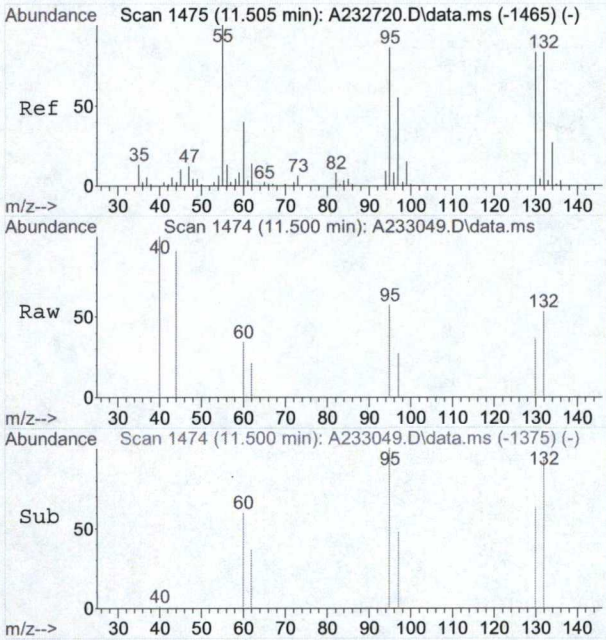
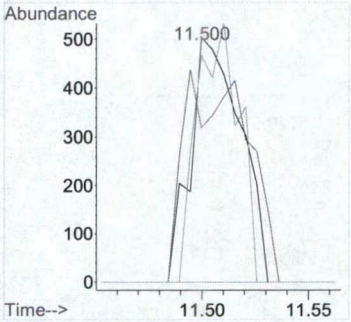
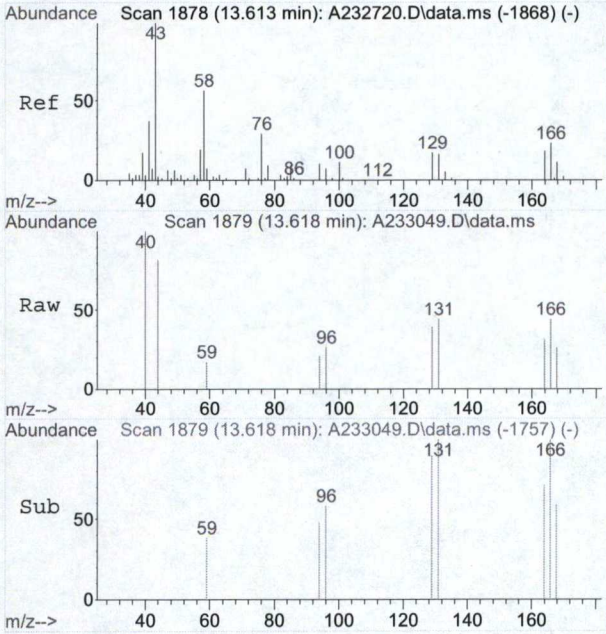


#62
trichloroethene
Concen: 0.42 ug/L
RT: 11.500 min Scan# 1474
Delta R.T. -0.006 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

Tgt Ion: 95 Resp: 834

Ion	Ratio	Lower	Upper
95	100		
130	63.4	66.7	126.7#
132	92.6	66.5	126.5

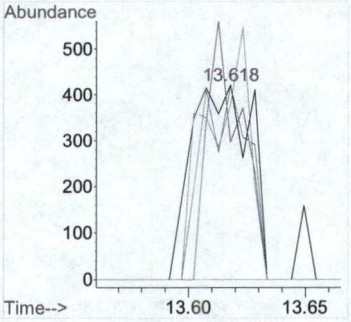




#81
tetrachloroethene
Concen: 0.35 ug/L
RT: 13.618 min Scan# 1879
Delta R.T. 0.005 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

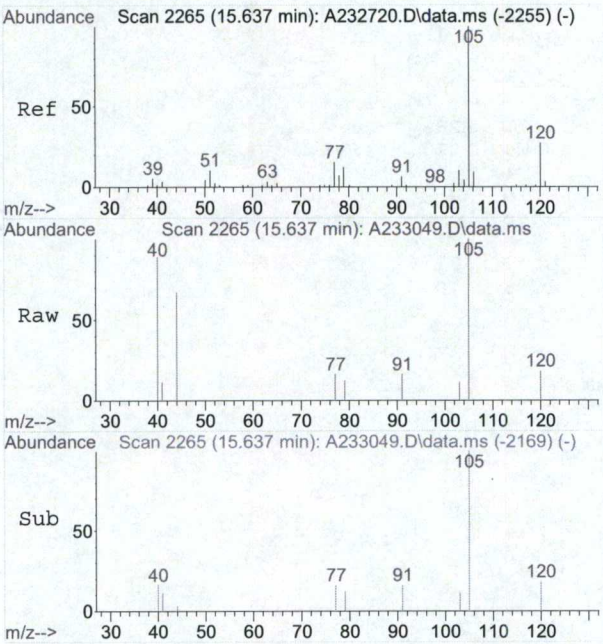
Tgt Ion:166 Resp: 750

Ion	Ratio	Lower	Upper
166	100		
164	70.5	48.1	108.1
129	89.8	42.8	102.8
131	99.5	40.9	100.9



7.1.9

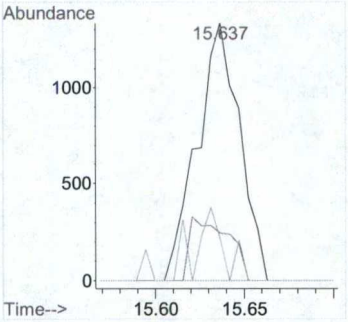
7

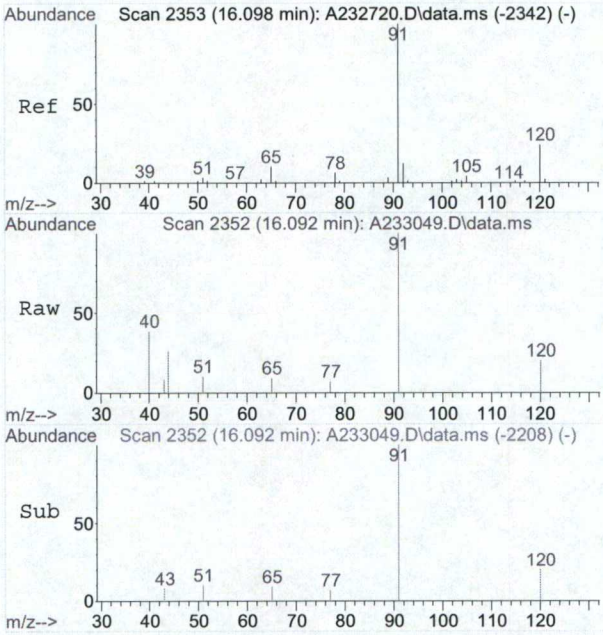


#96
isopropylbenzene
Concen: 0.24 ug/L
RT: 15.637 min Scan# 2265
Delta R.T. -0.000 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

Tgt Ion:105 Resp: 2198

Ion	Ratio	Lower	Upper
105	100		
120	18.2	7.4	47.4
77	16.0	0.0	35.4

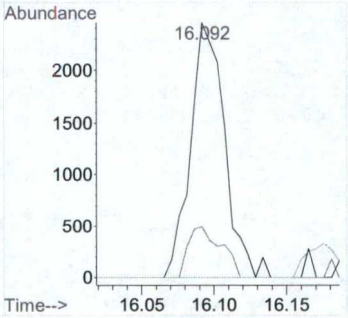




#104
n-propylbenzene
Concen: 0.38 ug/L
RT: 16.092 min Scan# 2352
Delta R.T. -0.006 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

Tgt Ion: 91 Resp: 4030

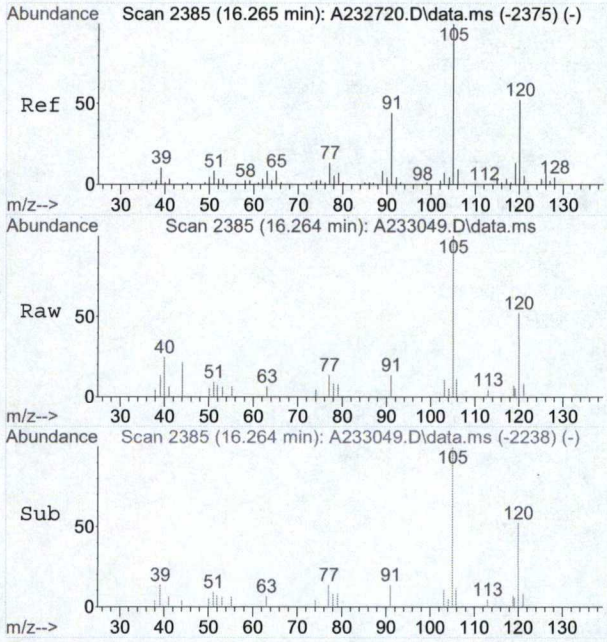
Ion	Ratio	Lower	Upper
91	100		
120	20.2	0.0	54.4
105	0.0	0.0	33.9



7.1.9

7

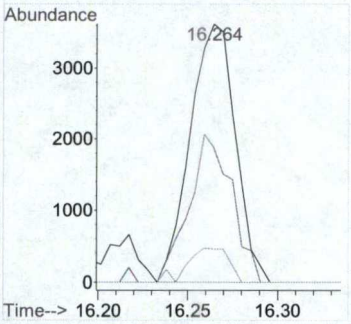
SGS ACCUTEST JC43355

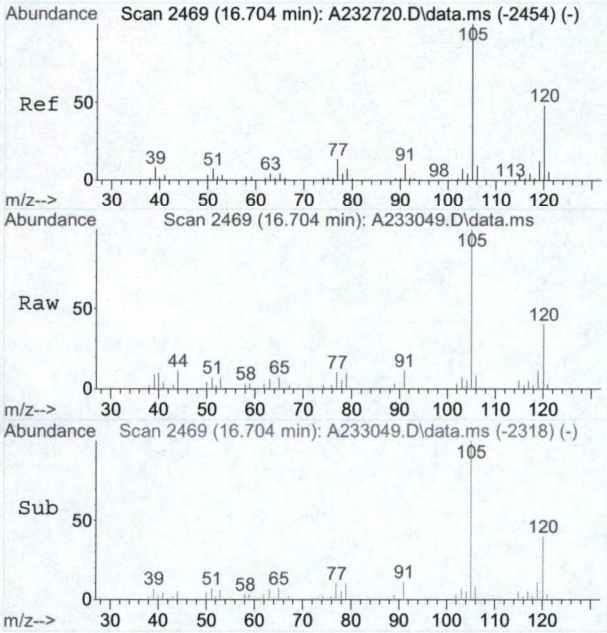


#107
1,3,5-trimethylbenzene
Concen: 0.80 ug/L
RT: 16.264 min Scan# 2385
Delta R.T. -0.001 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

Tgt Ion:105 Resp: 6304

Ion	Ratio	Lower	Upper
105	100		
120	51.9	21.7	81.7
119	12.6	0.0	42.8

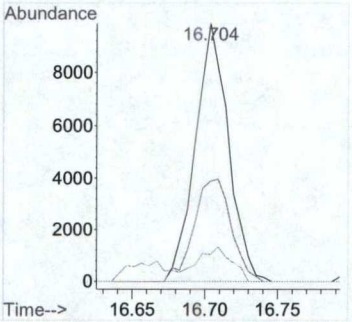




#109
1,2,4-trimethylbenzene
Concen: 2.02 ug/L
RT: 16.704 min Scan# 2469
Delta R.T. -0.000 min
Lab File: A233049.D
Acq: 18 May 2017 2:35 am

Tgt Ion:105 Resp: 15554

Ion	Ratio	Lower	Upper
105	100		
120	39.5	18.3	78.3
119	10.6	0.0	42.3



7.1.9 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233044.D
Acq On : 18 May 2017 12:07 am
Operator : Gabriela
Sample : jc43355-8
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: May 18 11:56:59 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Tert Butyl Alcohol-d9	7.837	65	388056	500.00 ug/L	0.00
5) pentafluorobenzene	10.211	168	198782	50.00 ug/L	0.00
52) 1,4-difluorobenzene	11.153	114	314751	50.00 ug/L	0.00
74) chlorobenzene-d5	14.553	117	284673	50.00 ug/L	0.00
98) 1,4-dichlorobenzene-d4	17.157	152	153482	50.00 ug/L	0.00
System Monitoring Compounds					
44) dibromofluoromethane (s)	10.232	113	112421	53.61 ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 107.22%		
53) 1,2-dichloroethane-d4 (s)	10.672	65	131075	50.28 ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 100.56%		
75) toluene-d8 (s)	12.895	98	369477	50.97 ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.94%		
99) 4-bromofluorobenzene (s)	15.844	95	125650	48.13 ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.26%		
Target Compounds					Qvalue
31) 1,1-dichloroethane	8.888	63	6246	1.46 ug/L	96
47) 1,1,1-trichloroethane	10.321	97	5110	1.22 ug/L	92
62) trichloroethene	11.498	95	796	0.39 ug/L #	67
81) tetrachloroethene	13.616	166	4205	1.93 ug/L	85

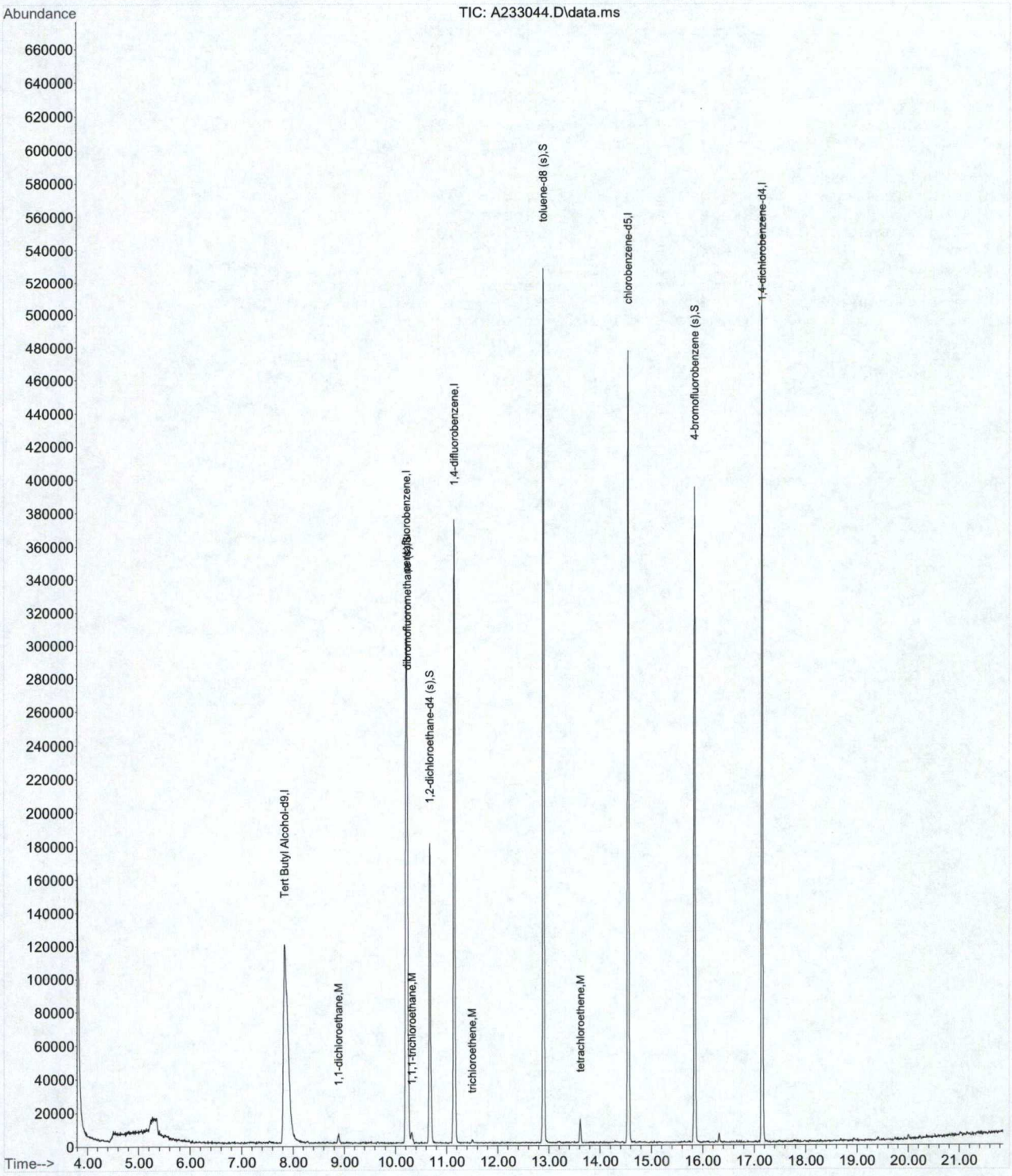
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.10 7

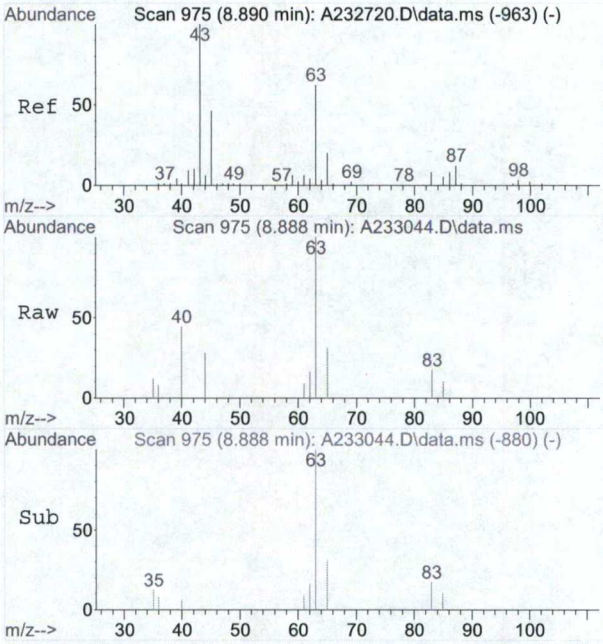
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233044.D
Acq On : 18 May 2017 12:07 am
Operator : Gabriela
Sample : jc43355-8
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: May 18 11:56:59 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration



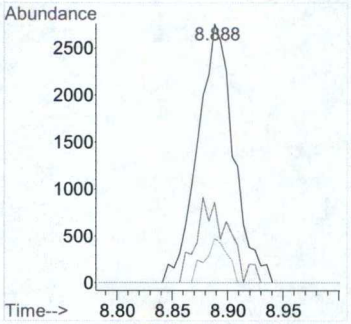
MA8806.m Thu May 18 12:06:26 2017

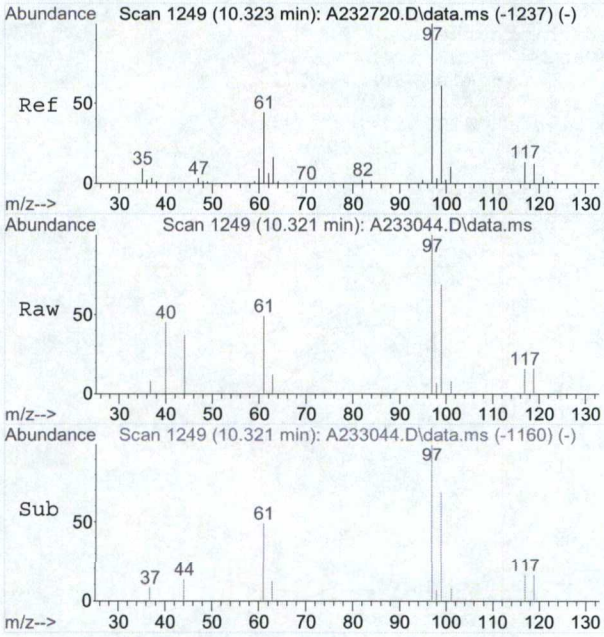


#31
1,1-dichloroethane
Concen: 1.46 ug/L
RT: 8.888 min Scan# 975
Delta R.T. -0.002 min
Lab File: A233044.D
Acq: 18 May 2017 12:07 am

Tgt Ion: 63 Resp: 6246

Ion	Ratio	Lower	Upper
63	100		
65	31.2	1.7	61.7
83	17.2	0.0	42.3

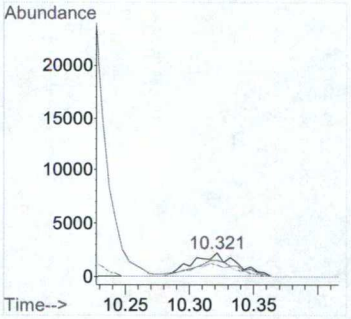




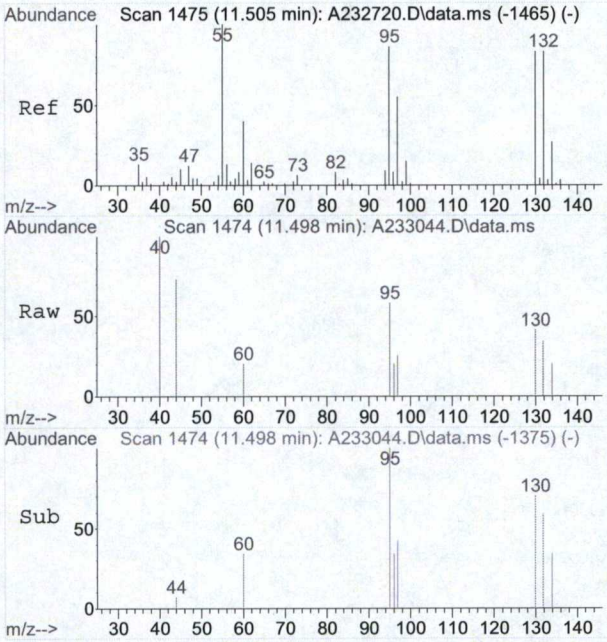
#47
1,1,1-trichloroethane
Concen: 1.22 ug/L
RT: 10.321 min Scan# 1249
Delta R.T. -0.002 min
Lab File: A233044.D
Acq: 18 May 2017 12:07 am

Tgt Ion: 97 Resp: 5110

Ion	Ratio	Lower	Upper
97	100		
99	68.5	32.6	92.6
61	49.0	14.2	74.2



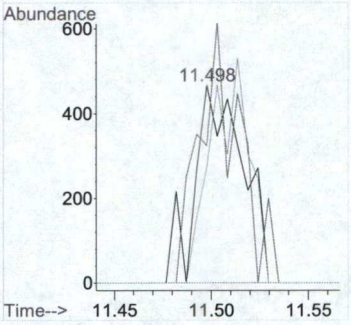
7.1.10 7

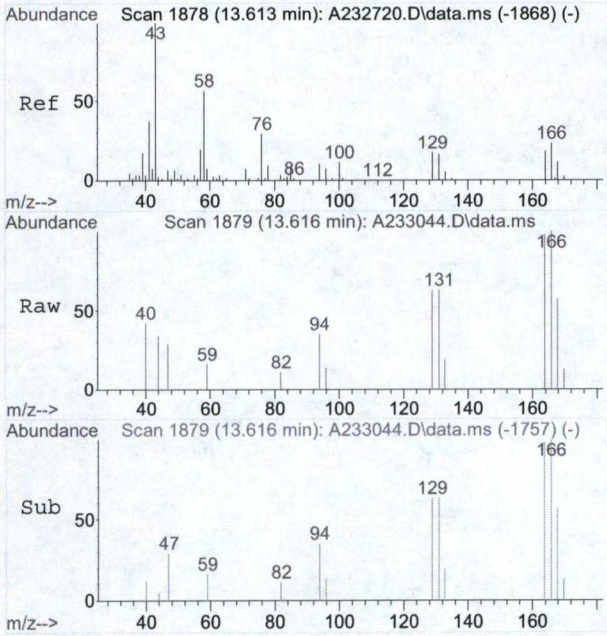


#62
trichloroethene
Concen: 0.39 ug/L
RT: 11.498 min Scan# 1474
Delta R.T. -0.007 min
Lab File: A233044.D
Acq: 18 May 2017 12:07 am

Tgt Ion: 95 Resp: 796

Ion	Ratio	Lower	Upper
95	100		
130	69.6	66.7	126.7
132	58.8	66.5	126.5#

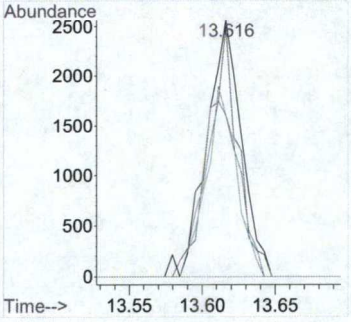




#81
tetrachloroethene
Concen: 1.93 ug/L
RT: 13.616 min Scan# 1879
Delta R.T. 0.003 min
Lab File: A233044.D
Acq: 18 May 2017 12:07 am

Tgt Ion:166 Resp: 4205

Ion	Ratio	Lower	Upper
166	100		
164	97.9	48.1	108.1
129	62.7	42.8	102.8
131	62.8	40.9	100.9



7.1.10 7

SGS ACCUTEST JC43355

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233054.D
Acq On : 18 May 2017 5:03 am
Operator : Gabriela
Sample : jc43355-9
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: May 18 12:01:47 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Tert Butyl Alcohol-d9	7.850	65	373705	500.00 ug/L	0.00
5) pentafluorobenzene	10.214	168	177961	50.00 ug/L	0.00
52) 1,4-difluorobenzene	11.156	114	294913	50.00 ug/L	0.00
74) chlorobenzene-d5	14.550	117	267650	50.00 ug/L	0.00
98) 1,4-dichlorobenzene-d4	17.155	152	141435	50.00 ug/L	0.00
System Monitoring Compounds					
44) dibromofluoromethane (s)	10.230	113	109289	58.22 ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 116.44%		
53) 1,2-dichloroethane-d4 (s)	10.674	65	130001	53.23 ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 106.46%		
75) toluene-d8 (s)	12.897	98	353303	51.83 ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 103.66%		
99) 4-bromofluorobenzene (s)	15.847	95	118554	49.28 ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.56%		
Target Compounds					Qvalue
42) chloroform	10.031	83	1555	0.45 ug/L	65
76) toluene	12.976	92	7504	1.64 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

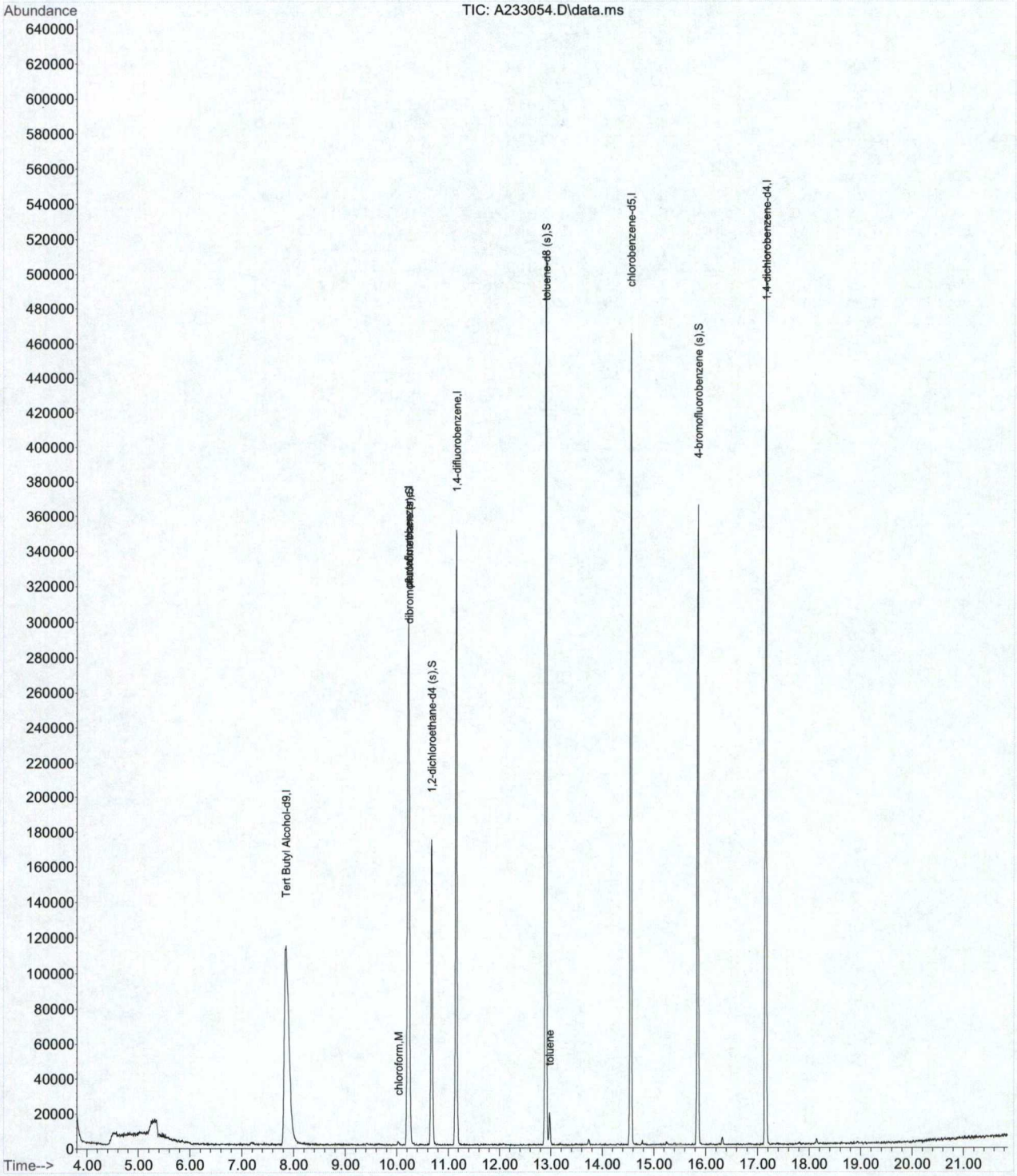
7.1.11

7

Quantitation Report (QT Reviewed)

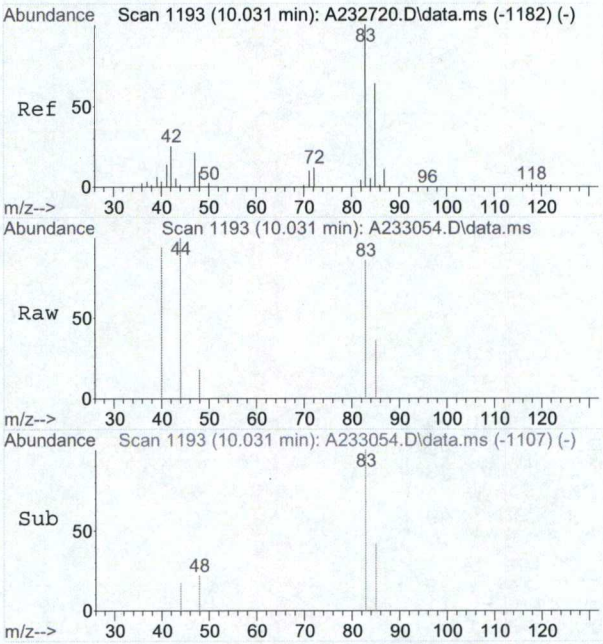
Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233054.D
Acq On : 18 May 2017 5:03 am
Operator : Gabriela
Sample : jc43355-9
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: May 18 12:01:47 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration



MA8806.m Thu May 18 12:06:58 2017

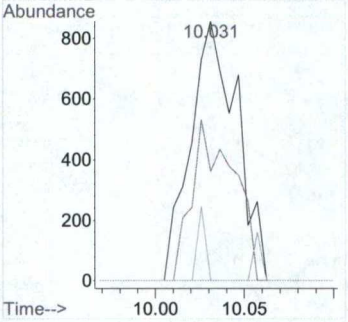
SGS ACCUTEST JC43355

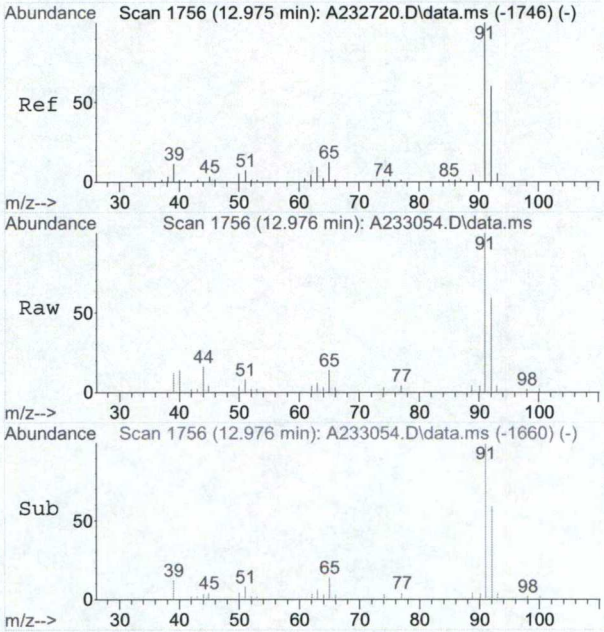


#42
chloroform
Concen: 0.45 ug/L
RT: 10.031 min Scan# 1193
Delta R.T. 0.001 min
Lab File: A233054.D
Acq: 18 May 2017 5:03 am

Tgt Ion: 83 Resp: 1555

Ion	Ratio	Lower	Upper
83	100		
85	42.2	34.1	94.1
47	0.0	0.0	56.4

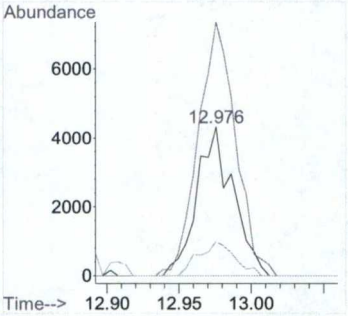




#76
toluene
Concen: 1.64 ug/L
RT: 12.976 min Scan# 1756
Delta R.T. 0.001 min
Lab File: A233054.D
Acq: 18 May 2017 5:03 am

Tgt Ion: 92 Resp: 7504

Ion	Ratio	Lower	Upper
92	100		
91	169.5	147.4	187.4
65	23.0	0.2	40.2



7.1.11

7

SGS ACCUTEST JC43355

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233055.D
Acq On : 18 May 2017 5:33 am
Operator : Gabriela
Sample : jc43355-10
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: May 18 12:02:11 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.842	65	368900	500.00	ug/L	0.00
5) pentafluorobenzene	10.211	168	180802	50.00	ug/L	0.00
52) 1,4-difluorobenzene	11.152	114	297877	50.00	ug/L	0.00
74) chlorobenzene-d5	14.552	117	270967	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	17.156	152	142397	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	10.232	113	108028	56.64	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 113.28%			
53) 1,2-dichloroethane-d4 (s)	10.676	65	131029	53.11	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 106.22%			
75) toluene-d8 (s)	12.899	98	350788	50.84	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.68%			
99) 4-bromofluorobenzene (s)	15.844	95	115587	47.72	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.44%			
Target Compounds						Qvalue
31) 1,1-dichloroethane	8.893	63	2533	0.65	ug/L	85
47) 1,1,1-trichloroethane	10.315	97	5735	1.50	ug/L	92
62) trichloroethene	11.508	95	1535	0.79	ug/L	79
81) tetrachloroethene	13.616	166	13986	6.76	ug/L	94

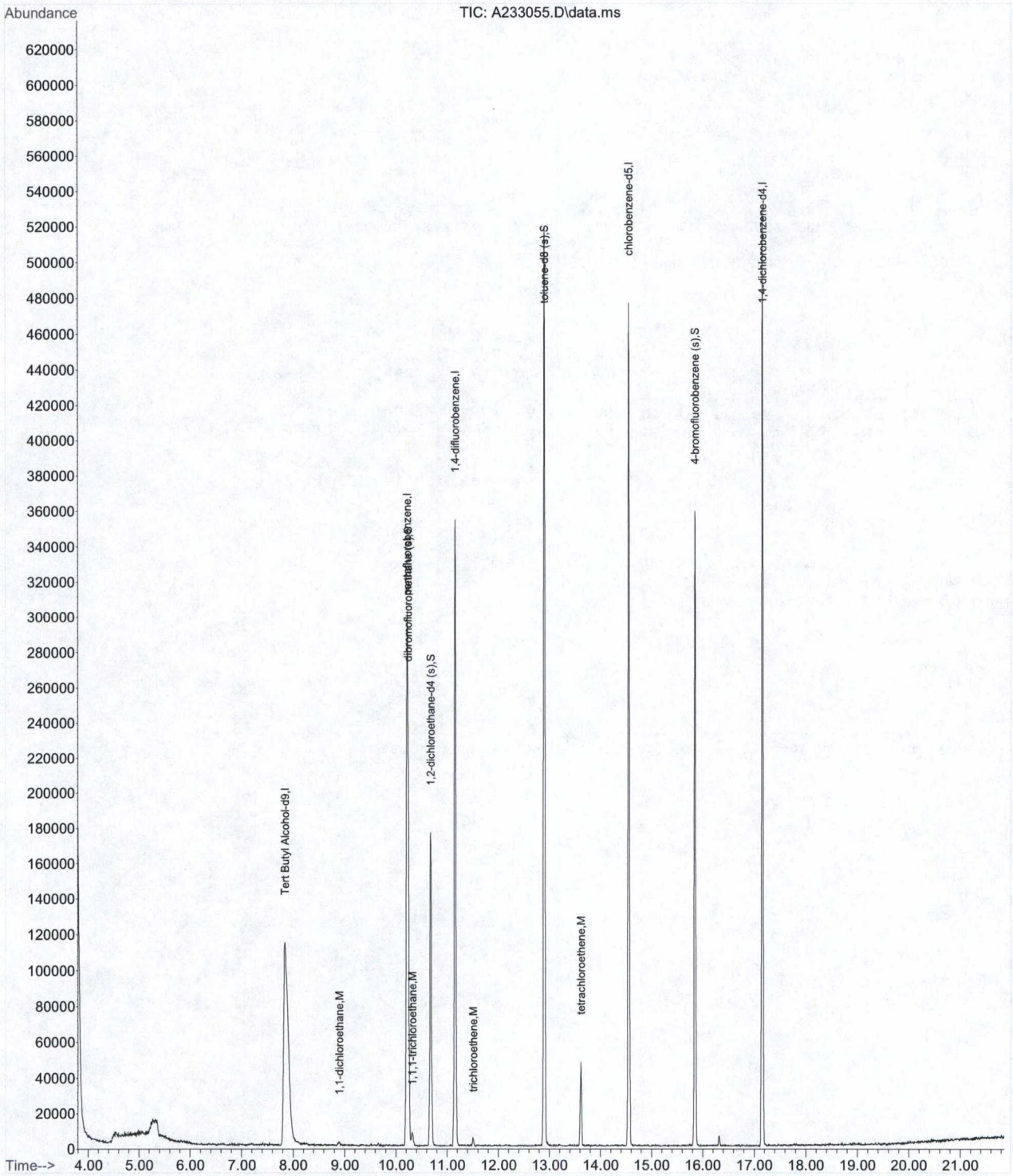
(#) = qualifier out of range (m) = manual integration (+) = signals summed

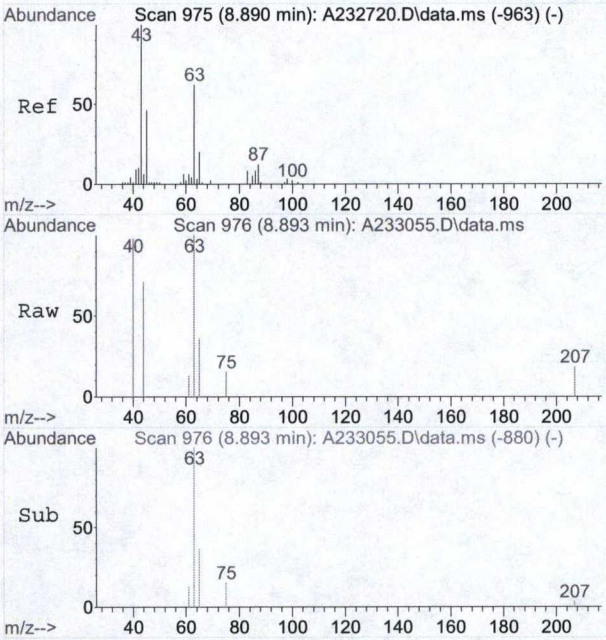
7.1.12 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233055.D
Acq On : 18 May 2017 5:33 am
Operator : Gabriela
Sample : jc43355-10
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: May 18 12:02:11 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

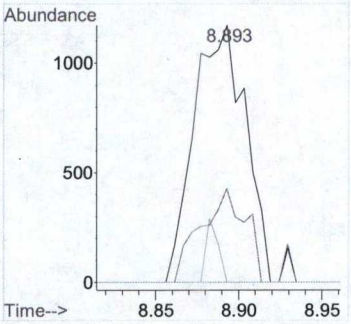


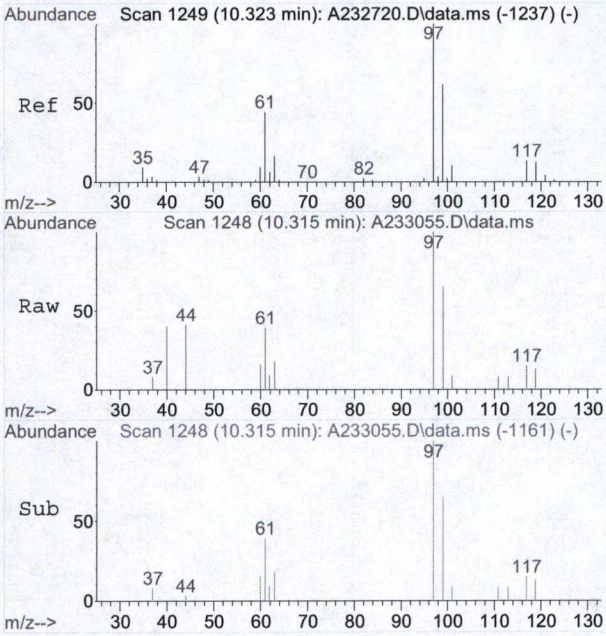


#31
1,1-dichloroethane
Concen: 0.65 ug/L
RT: 8.893 min Scan# 976
Delta R.T. 0.002 min
Lab File: A233055.D
Acq: 18 May 2017 5:33 am

Tgt Ion: 63 Resp: 2533

Ion	Ratio	Lower	Upper
63	100		
65	36.3	1.7	61.7
83	0.0	0.0	42.3

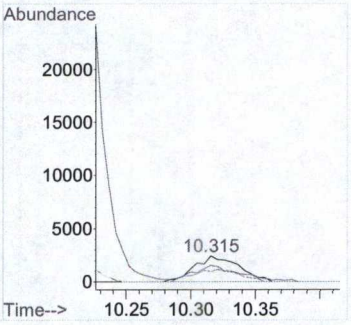




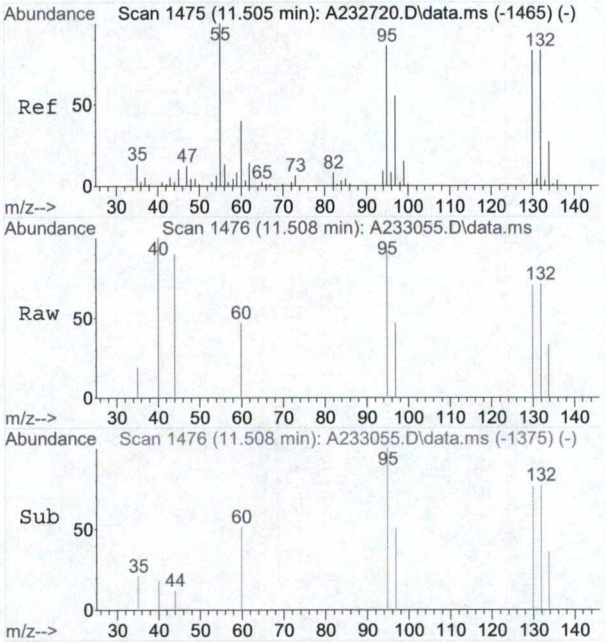
#47
1,1,1-trichloroethane
Concen: 1.50 ug/L
RT: 10.315 min Scan# 1248
Delta R.T. -0.008 min
Lab File: A233055.D
Acq: 18 May 2017 5:33 am

Tgt Ion: 97 Resp: 5735

Ion	Ratio	Lower	Upper
97	100		
99	56.7	32.6	92.6
61	39.4	14.2	74.2



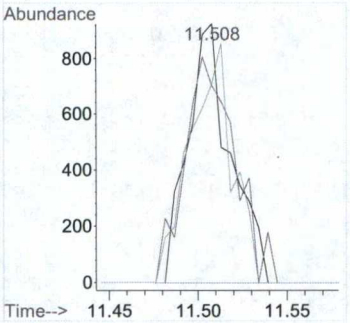
7.1.12 7

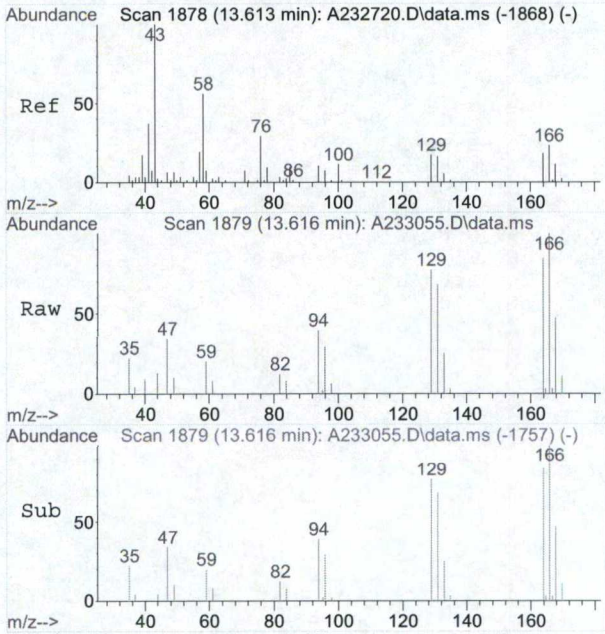


#62
trichloroethene
Concen: 0.79 ug/L
RT: 11.508 min Scan# 1476
Delta R.T. 0.002 min
Lab File: A233055.D
Acq: 18 May 2017 5:33 am

Tgt Ion: 95 Resp: 1535

Ion	Ratio	Lower	Upper
95	100		
130	75.8	66.7	126.7
132	76.6	66.5	126.5

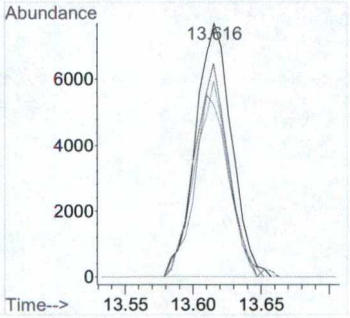




#81
tetrachloroethene
Concen: 6.76 ug/L
RT: 13.616 min Scan# 1879
Delta R.T. 0.002 min
Lab File: A233055.D
Acq: 18 May 2017 5:33 am

Tgt Ion:166 Resp: 13986

Ion	Ratio	Lower	Upper
166	100		
164	86.8	48.1	108.1
129	77.1	42.8	102.8
131	67.9	40.9	100.9



7.1.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233056.D
Acq On : 18 May 2017 6:03 am
Operator : Gabriela
Sample : jc43355-11
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: May 18 12:02:41 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.836	65	353135	500.00	ug/L	0.00
5) pentafluorobenzene	10.215	168	180843	50.00	ug/L	0.00
52) 1,4-difluorobenzene	11.152	114	297657	50.00	ug/L	0.00
74) chlorobenzene-d5	14.551	117	271966	50.00	ug/L	0.00
98) 1,4-dichlorobenzene-d4	17.156	152	144072	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	10.236	113	111099	58.24	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 116.48%			
53) 1,2-dichloroethane-d4 (s)	10.676	65	130529	52.95	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 105.90%			
75) toluene-d8 (s)	12.898	98	355550	51.34	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 102.68%			
99) 4-bromofluorobenzene (s)	15.848	95	117419	47.92	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.84%			
Target Compounds						Qvalue
31) 1,1-dichloroethane	8.892	63	2670	0.69	ug/L	86
37) cis-1,2-dichloroethene	9.651	96	529	0.24	ug/L #	50
47) 1,1,1-trichloroethane	10.320	97	1531	0.40	ug/L	60
62) trichloroethene	11.502	95	1110	0.57	ug/L #	70
81) tetrachloroethene	13.610	166	820	0.39	ug/L #	73
96) isopropylbenzene	15.634	105	2023	0.23	ug/L	96
104) n-propylbenzene	16.094	91	3600	0.35	ug/L	76
107) 1,3,5-trimethylbenzene	16.261	105	5724	0.75	ug/L	84
109) 1,2,4-trimethylbenzene	16.701	105	15268	2.06	ug/L	96

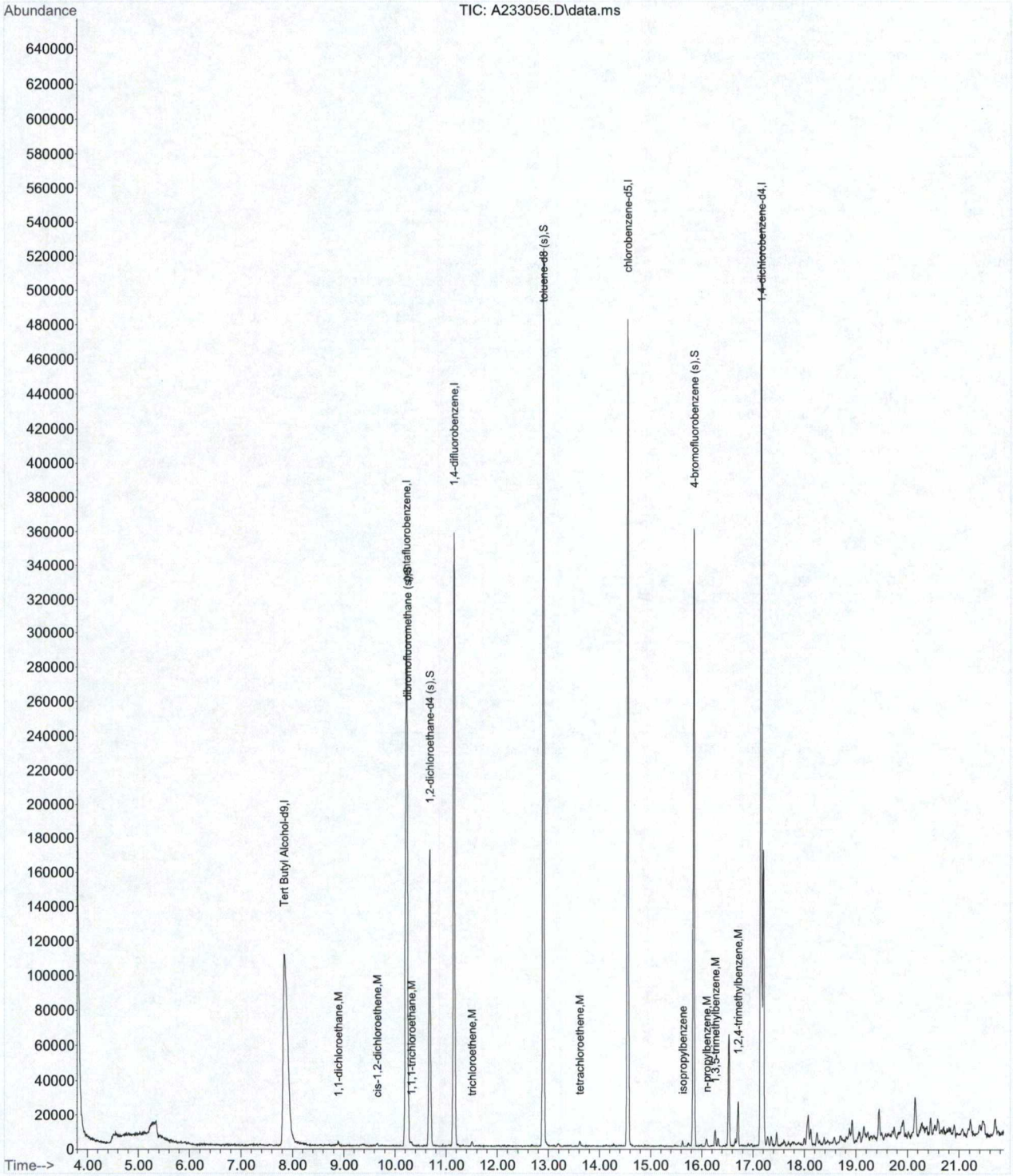
(#) = qualifier out of range (m) = manual integration (+) = signals summed

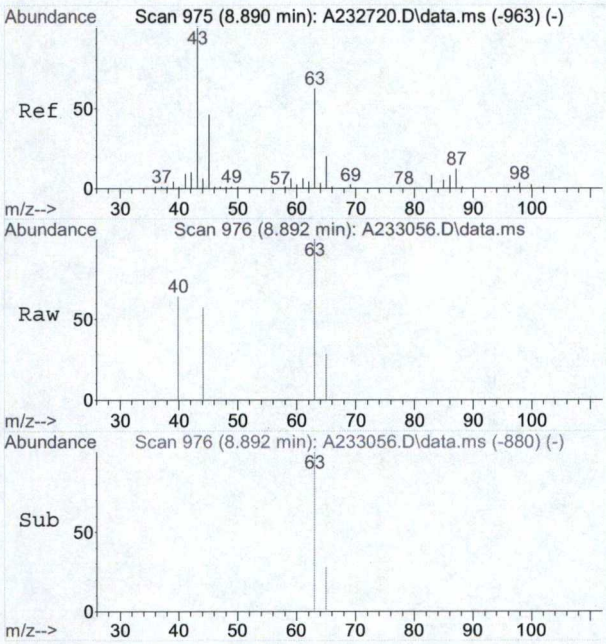
7.1.13 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\A\va8819-8820\
Data File : A233056.D
Acq On : 18 May 2017 6:03 am
Operator : Gabriela
Sample : jc43355-11
Misc : MS16089,VA8820,5,,,,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: May 18 12:02:41 2017
Quant Method : C:\MSDCHEM\1\METHODS\MA8806.m
Quant Title : SW 846 8260C DB624 60m x 0.25mm x 1.4um
QLast Update : Wed May 10 09:10:51 2017
Response via : Initial Calibration

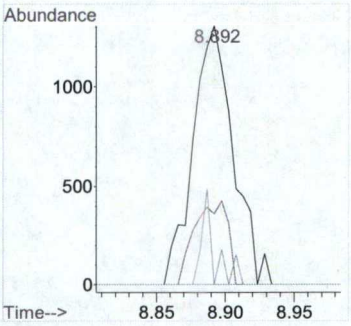


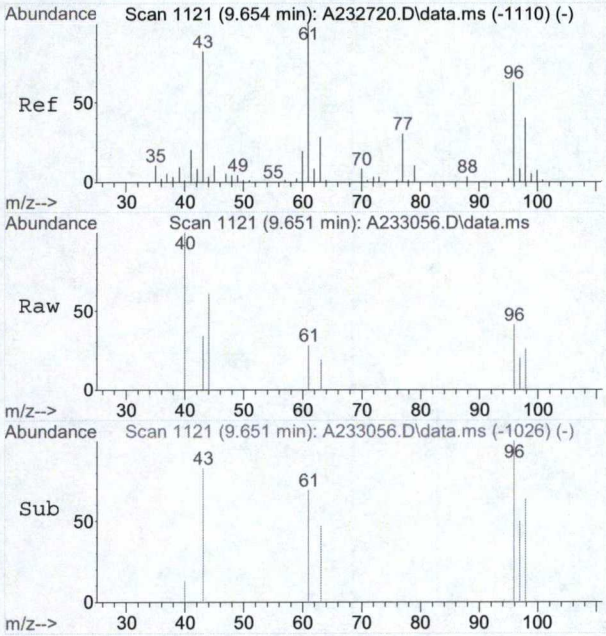


#31
1,1-dichloroethane
Concen: 0.69 ug/L
RT: 8.892 min Scan# 976
Delta R.T. 0.002 min
Lab File: A233056.D
Acq: 18 May 2017 6:03 am

Tgt Ion: 63 Resp: 2670

Ion	Ratio	Lower	Upper
63	100		
65	27.7	1.7	61.7
83	0.0	0.0	42.3

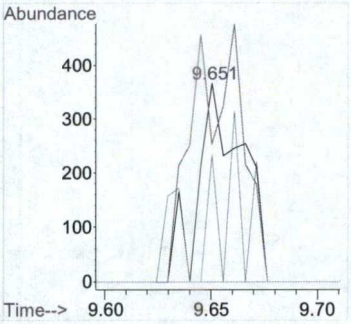




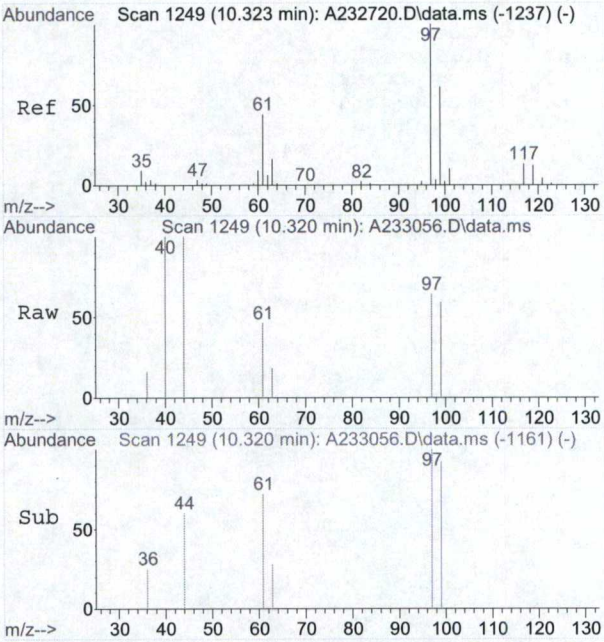
#37
cis-1,2-dichloroethene
Concen: 0.24 ug/L
RT: 9.651 min Scan# 1121
Delta R.T. -0.003 min
Lab File: A233056.D
Acq: 18 May 2017 6:03 am

Tgt Ion: 96 Resp: 529

Ion	Ratio	Lower	Upper
96	100		
61	69.4	131.7	191.7#
98	63.7	34.1	94.1



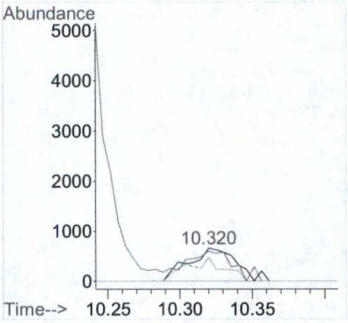
7.1.13 7

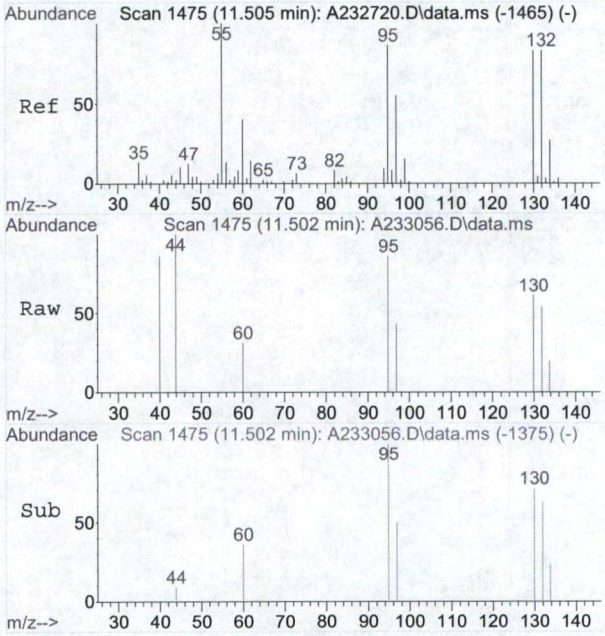


#47
1,1,1-trichloroethane
Concen: 0.40 ug/L
RT: 10.320 min Scan# 1249
Delta R.T. -0.003 min
Lab File: A233056.D
Acq: 18 May 2017 6:03 am

Tgt Ion: 97 Resp: 1531

Ion	Ratio	Lower	Upper
97	100		
99	92.0	32.6	92.6
61	72.4	14.2	74.2

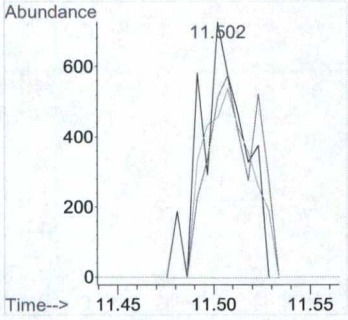




#62
trichloroethene
Concen: 0.57 ug/L
RT: 11.502 min Scan# 1475
Delta R.T. -0.003 min
Lab File: A233056.D
Acq: 18 May 2017 6:03 am

Tgt Ion: 95 Resp: 1110

Ion	Ratio	Lower	Upper
95	100		
130	70.7	66.7	126.7
132	62.9	66.5	126.5#



7.1.13

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