Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082819\
Data File : VX011876.D
Acq On : 28 Aug 2019 18:50
Operator : SY/SP
Sample : VX0828SBL02
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	369055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	511003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	461611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	250010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	154283	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery = 94.22%			
35) Dibromofluoromethane	5.49	113	138199	44.50	ug/l	0.00
Spiked Amount 50.000			Recovery = 89.00%			
50) Toluene-d8	8.71	98	544514	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery = 94.20%			
62) 4-Bromofluorobenzene	11.13	95	211346	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery = 91.66%			
Target Compounds						Qvalue
11) Tert butyl alcohol	3.03	59	3657	Below Cal		96
13) Acrolein	2.28	56	951	7.702	ug/l #	1
16) Acetone	2.43	43	23659	2.715	ug/l	91
18) Methyl Acetate	2.77	43	3191	Below Cal		92
25) 2-Butanone	4.68	43	3376	3.519	ug/l	95
29) Tetrahydrofuran	5.15	42	1055	1.858	ug/l #	49
31) Cyclohexane	5.65	56	6305	1.324	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	23532	5.598	ug/l #	51
38) Carbon Tetrachloride	5.65	117	31652	7.728	ug/l #	17
49) 1,4-Dioxane	7.75	88	1231	65.788	ug/l #	85
51) 4-Methyl-2-Pentanone	8.63	43	27911	19.954	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	169	26.772	ug/l #	44
59) 2-Hexanone	9.49	43	25668	28.715	ug/l	98
68) m/p-Xylenes	10.35	106	6737	1.205	ug/l	96
73) Isopropylbenzene	11.01	105	19403	1.344	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	105678	55.033	ug/l #	38
78) n-propylbenzene	11.35	91	28131	1.771	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	17867	1.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	105678	202.573	ug/l #	13
82) 4-Chlorotoluene	11.51	91	13144	1.139	ug/l	99
83) tert-Butylbenzene	11.77	119	18962	1.685	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	23267	2.025	ug/l	99
85) sec-Butylbenzene	11.94	105	30276	2.315	ug/l	98
86) p-Isopropyltoluene	12.06	119	33134	2.751	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	8721	1.207	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	8721	1.246	ug/l	95
89) n-Butylbenzene	12.38	91	35995	3.602	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	10994	1.782	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	16463	3.845	ug/l	97
94) Hexachlorobutadiene	13.78	225	8408	2.693	ug/l	99
95) Naphthalene	13.83	128	34114	6.626	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	15419	4.438	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082819\
Data File : VX011876.D
Acq On : 28 Aug 2019 18:50
Operator : SY/SP
Sample : VX0828SBL02
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

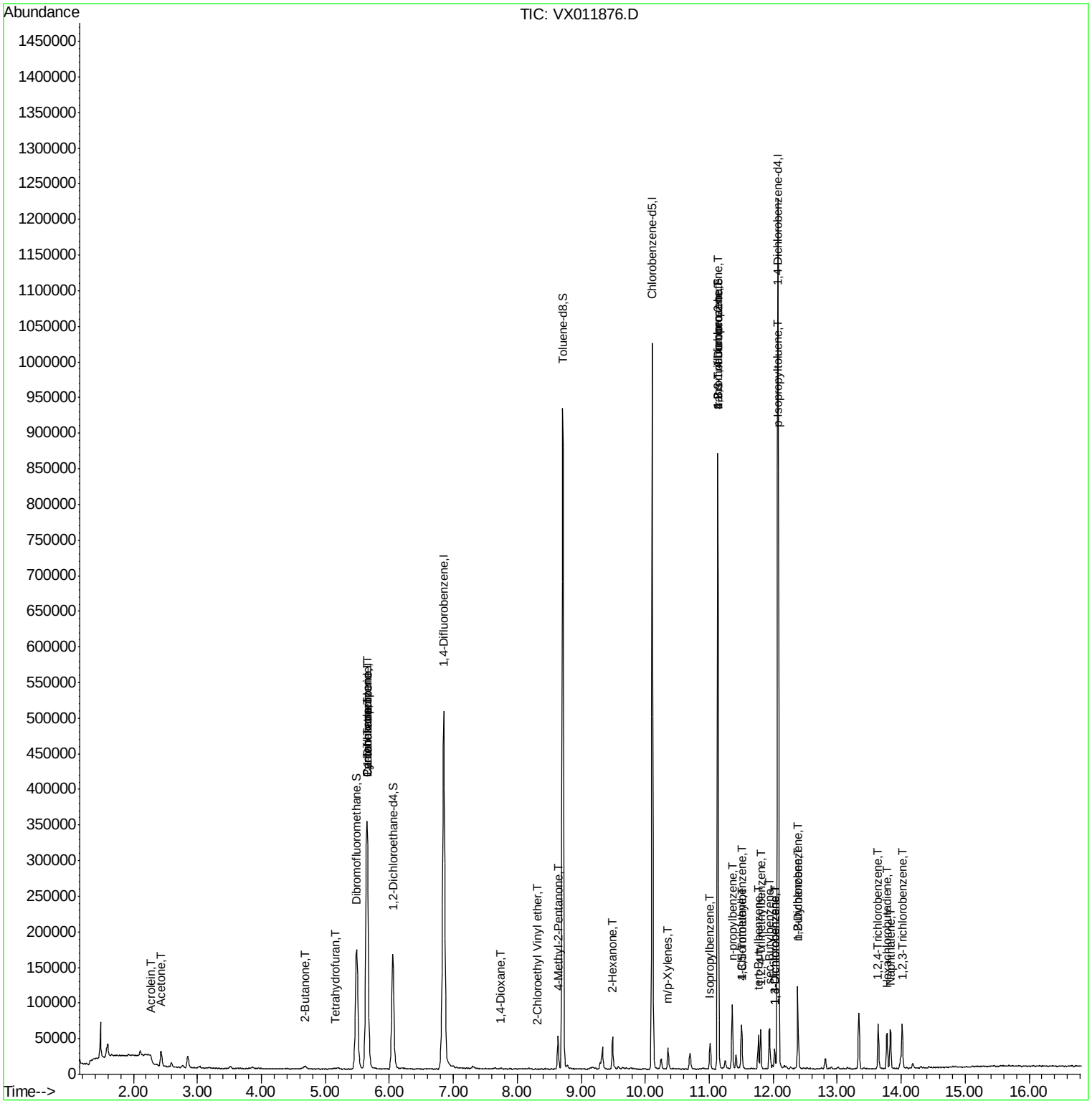
(#) = qualifier out of range (m) = manual integration (+) = signals summed

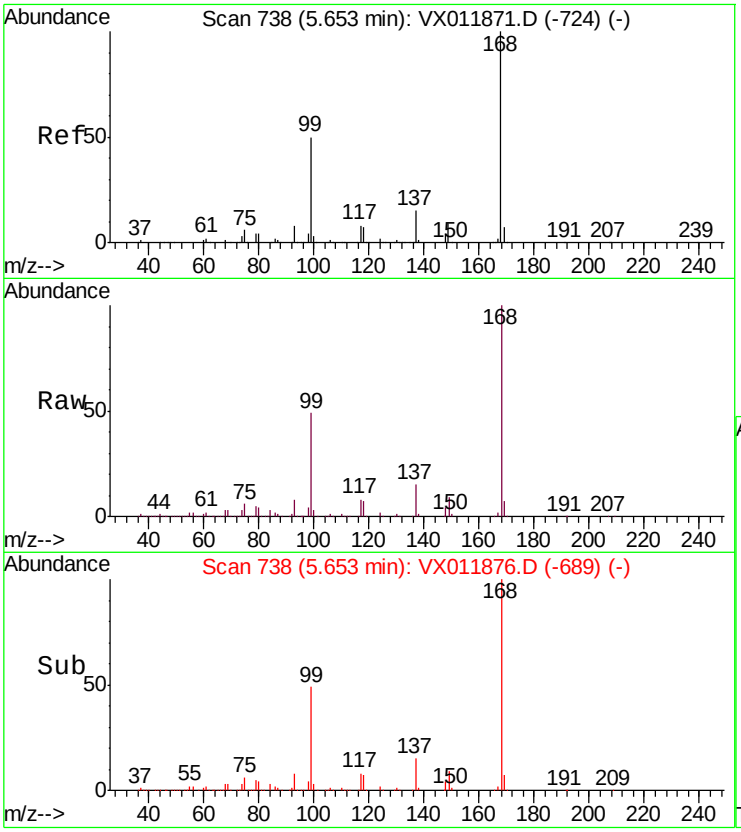
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082819\
Data File : VX011876.D
Acq On : 28 Aug 2019 18:50
Operator : SY/SP
Sample : VX0828SBL02
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration



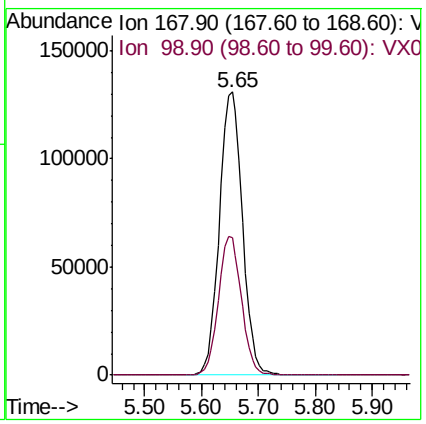


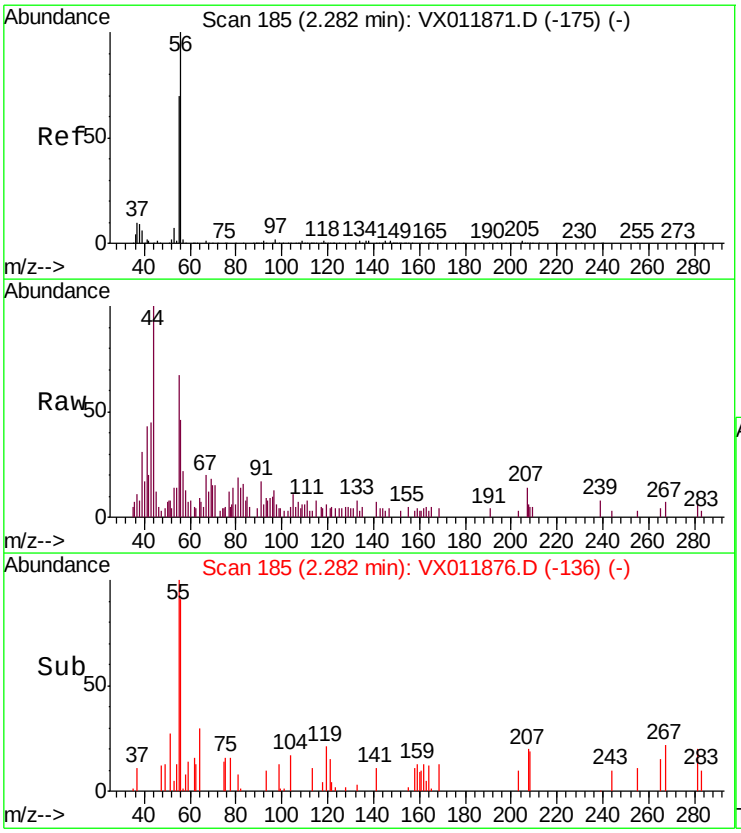
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 369055

Ion	Ratio	Lower	Upper
168	100		
99	48.4	39.6	59.4

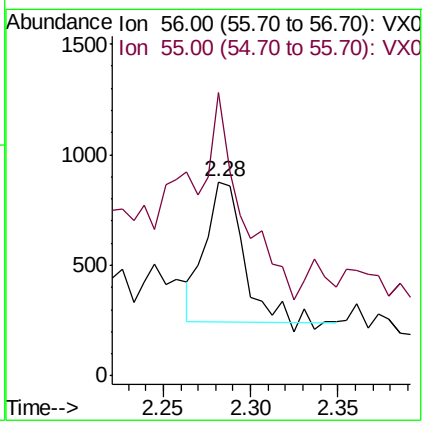


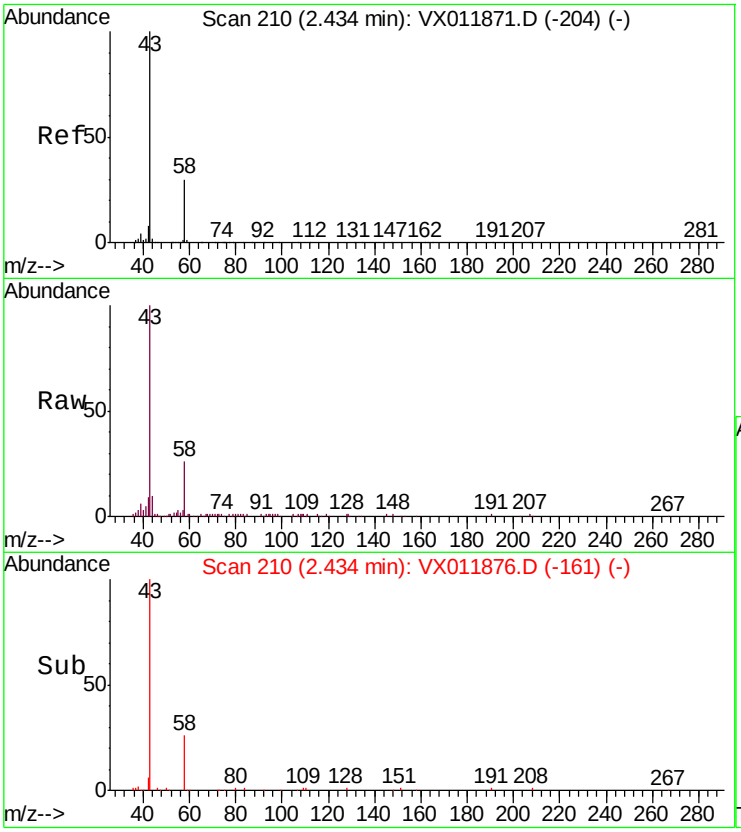


#13
Acrolein
Concen: 7.702 ug/l
RT: 2.28 min Scan# 185
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 56 Resp: 951

Ion	Ratio	Lower	Upper
56	100		
55	209.6	60.2	90.4#



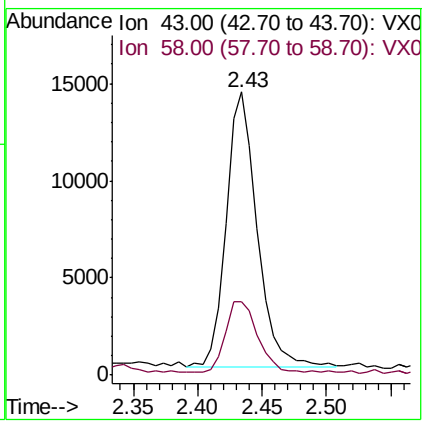


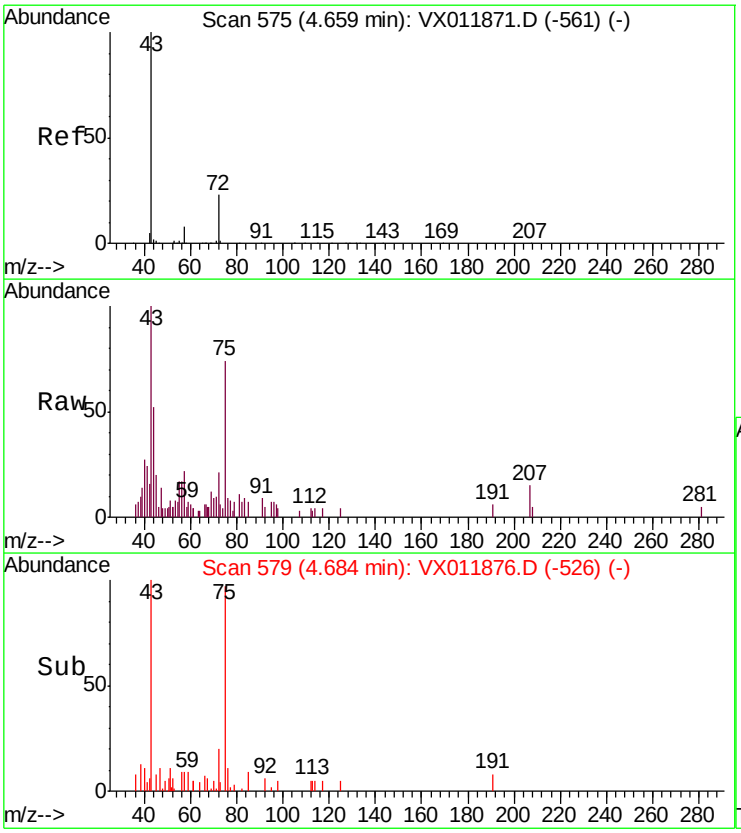
#16
Acetone
Concen: 2.715 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 23659

Ion	Ratio	Lower	Upper
43	100		
58	25.3	24.0	36.0

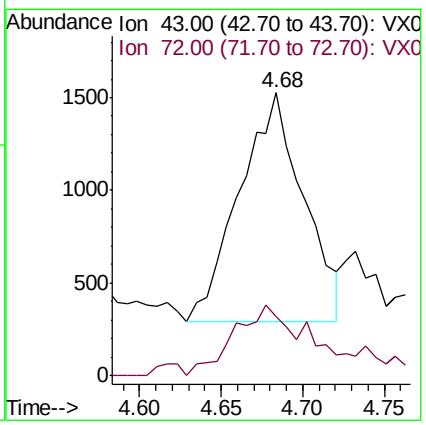


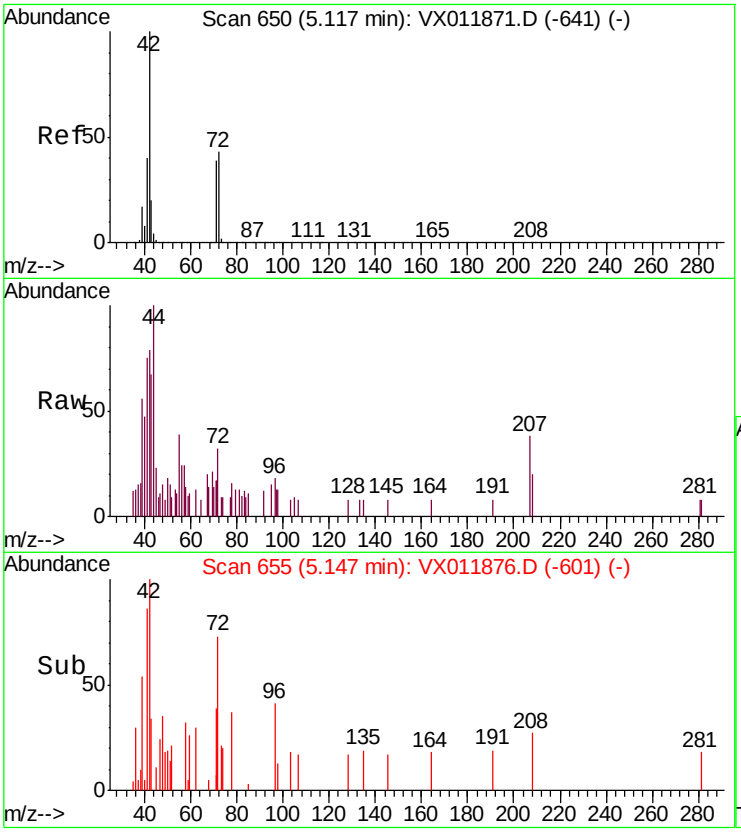


#25
2-Butanone
Concen: 3.519 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 43 Resp: 3376

Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.9	28.3



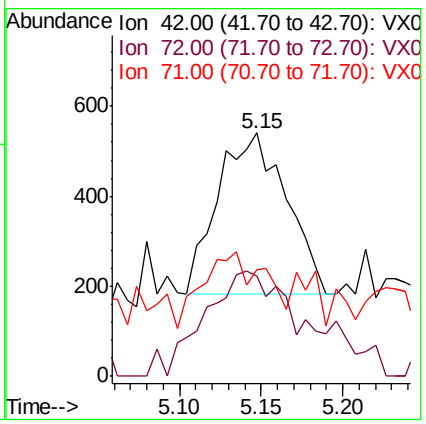


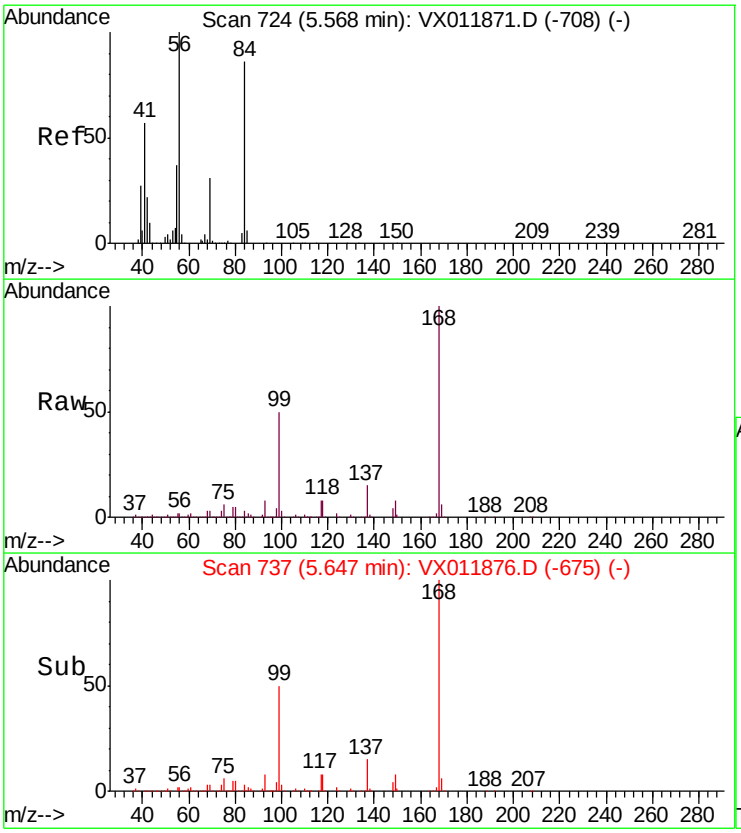
#29
Tetrahydrofuran
Concen: 1.858 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.03 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 42 Resp: 1055

Ion	Ratio	Lower	Upper
42	100		
72	98.8	35.4	53.2#
71	50.0	32.6	48.8#

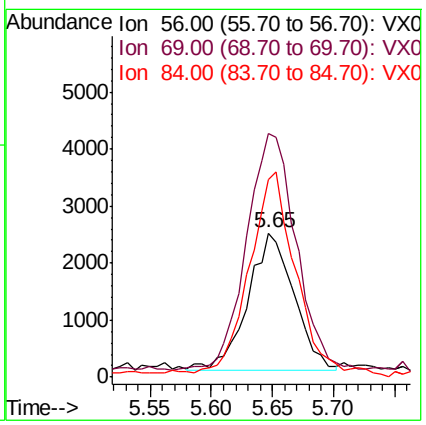


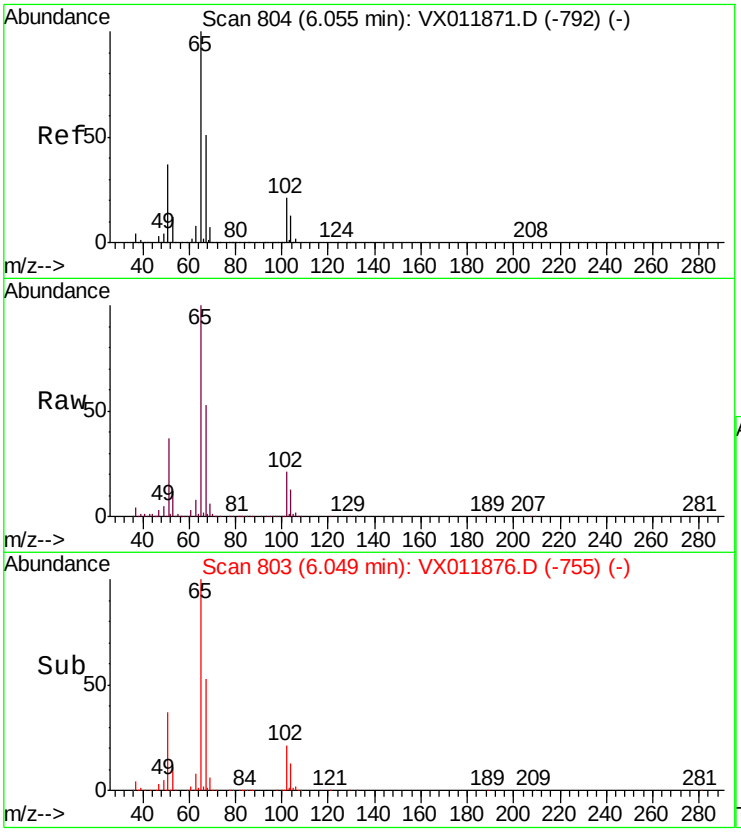


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.08 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 56 Resp: 6305

Ion	Ratio	Lower	Upper
56	100		
69	171.9	25.0	37.4#
84	151.6	68.6	103.0#



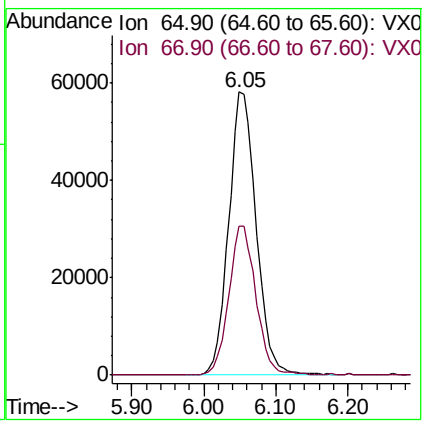


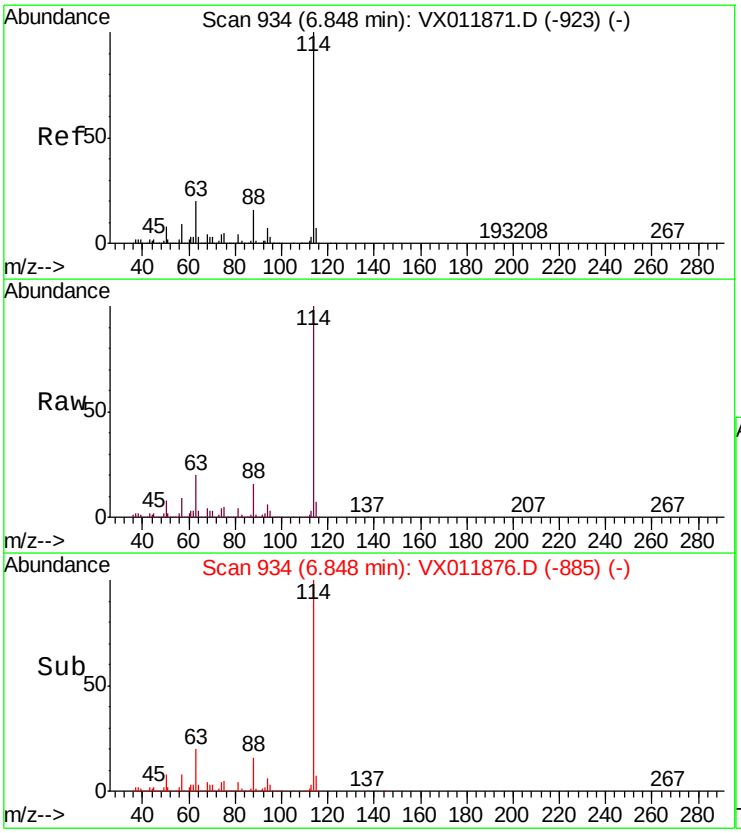
#33
1,2-Dichloroethane-d4
Concen: 47.108 ug/l
RT: 6.05 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 154283

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

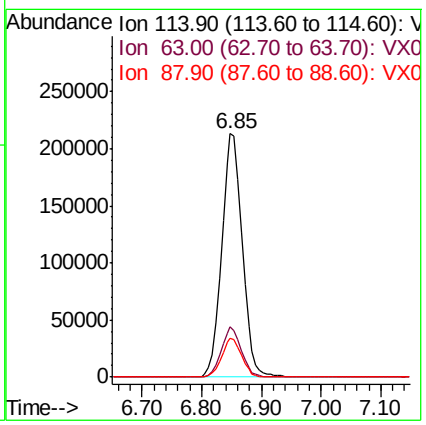


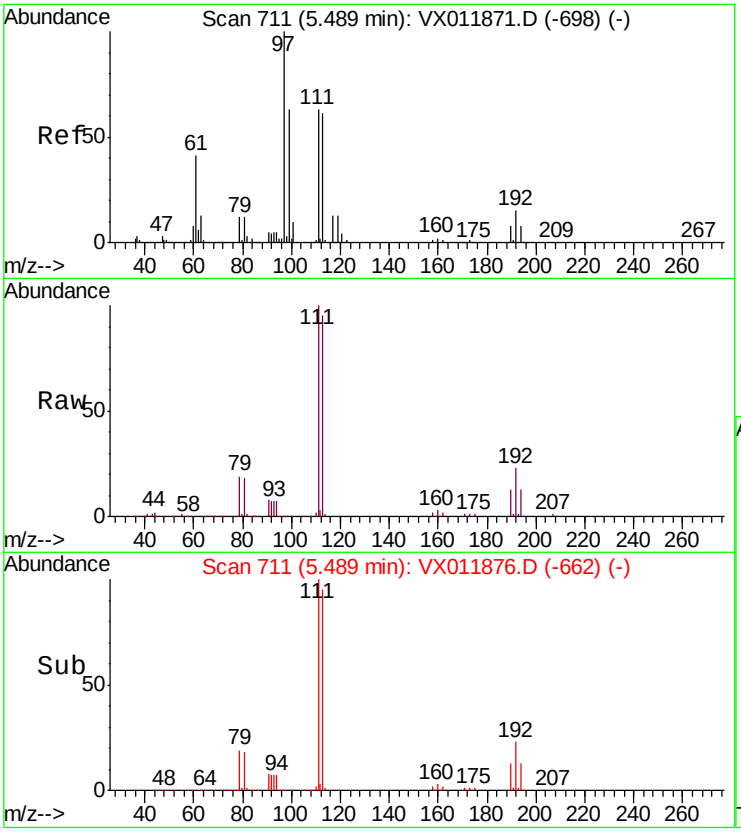


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 934
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:114 Resp: 511003

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.8
88	15.8	0.0	31.6



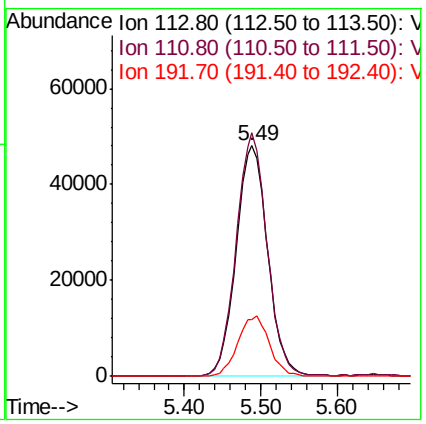


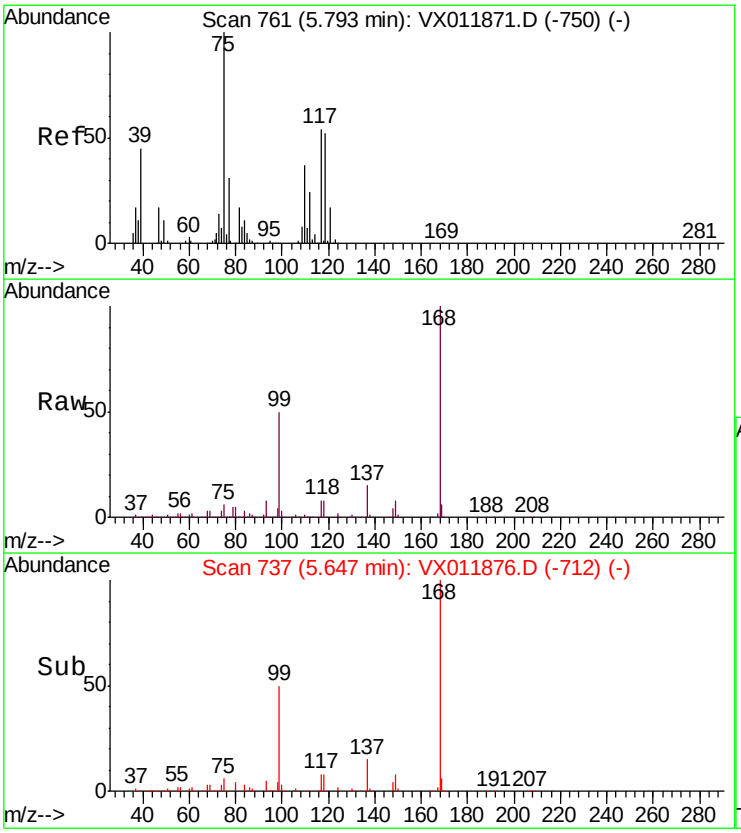
#35
Dibromofluoromethane
Concen: 44.503 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 138199

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	26.1	20.6	30.8

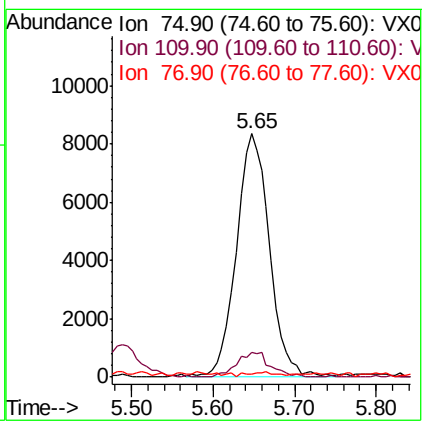


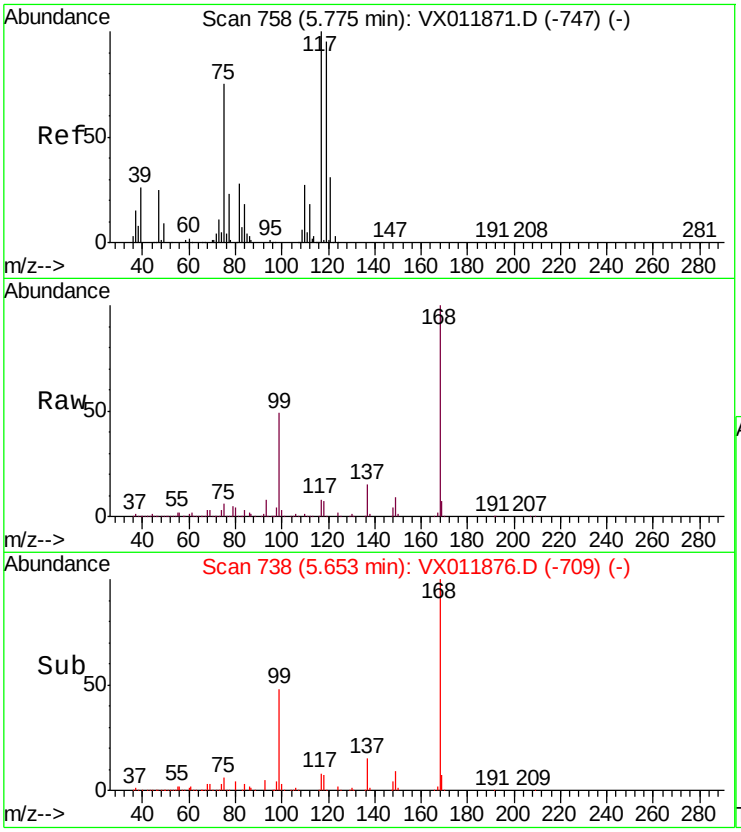


#36
1,1-Dichloropropene
Concen: 5.598 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.15 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 75 Resp: 23532

Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.5	55.5#
77	0.6	24.7	37.1#



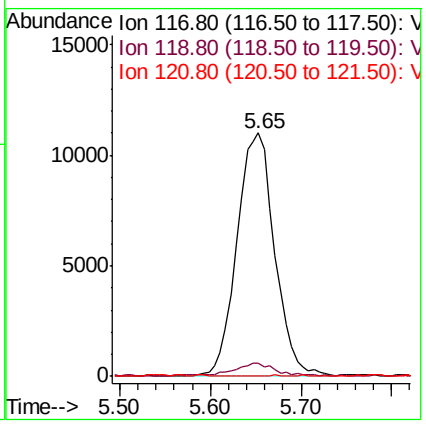


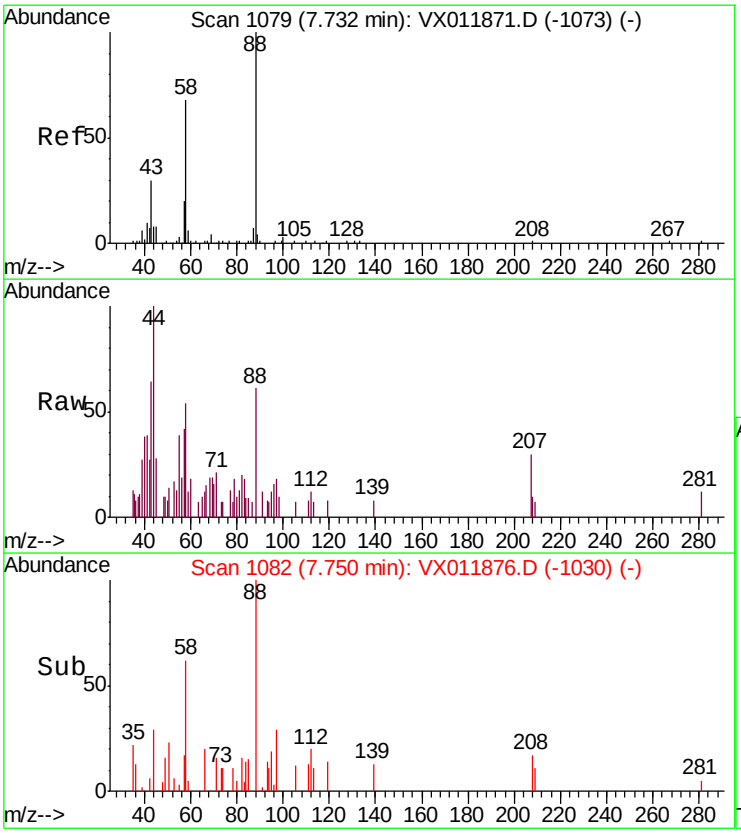
#38
Carbon Tetrachloride
Concen: 7.728 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.12 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 31652

Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.7	113.5#
121	0.0	25.1	37.7#

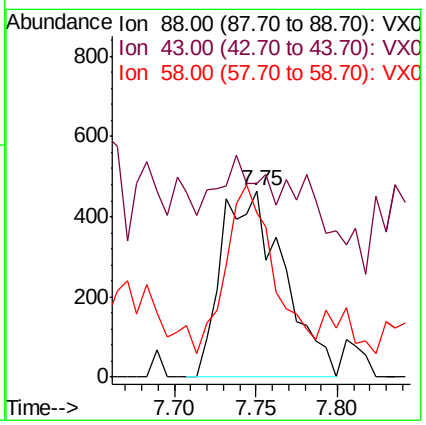


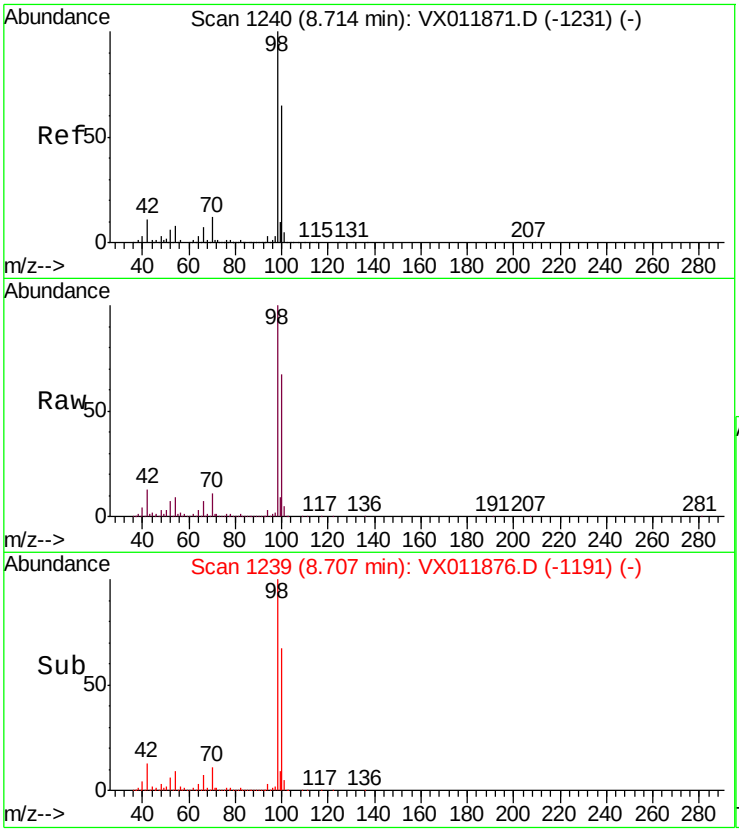


#49
1,4-Dioxane
Concen: 65.788 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 88 Resp: 1231

Ion	Ratio	Lower	Upper
88	100		
43	19.2	33.2	49.8#
58	69.5	58.2	87.4



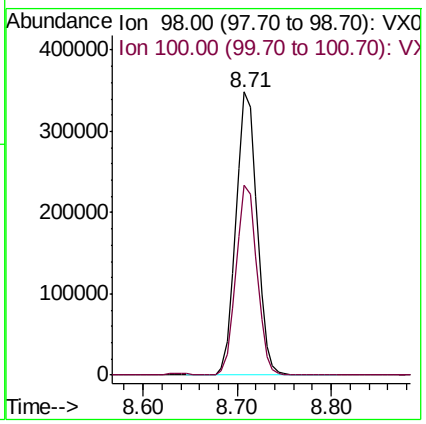


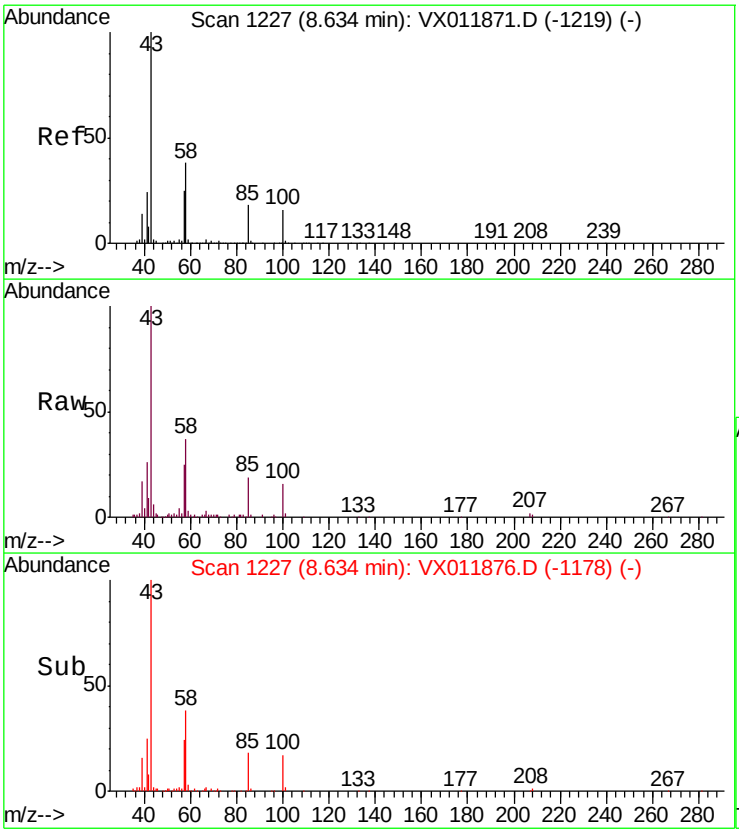
#50
Toluene-d8
Concen: 47.104 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 544514

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3

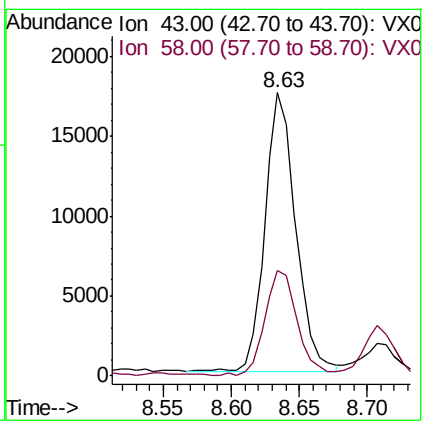


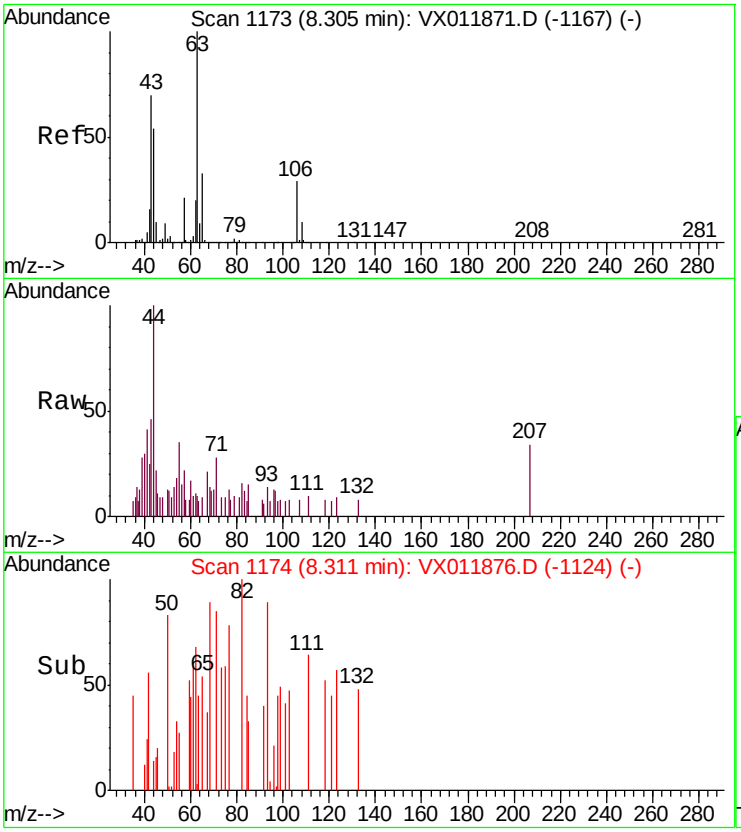


#51
4-Methyl-2-Pentanone
Concen: 19.954 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 43 Resp: 27911

Ion	Ratio	Lower	Upper
43	100		
58	39.8	30.8	46.2



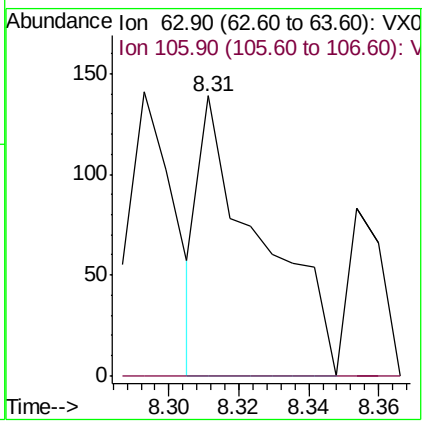


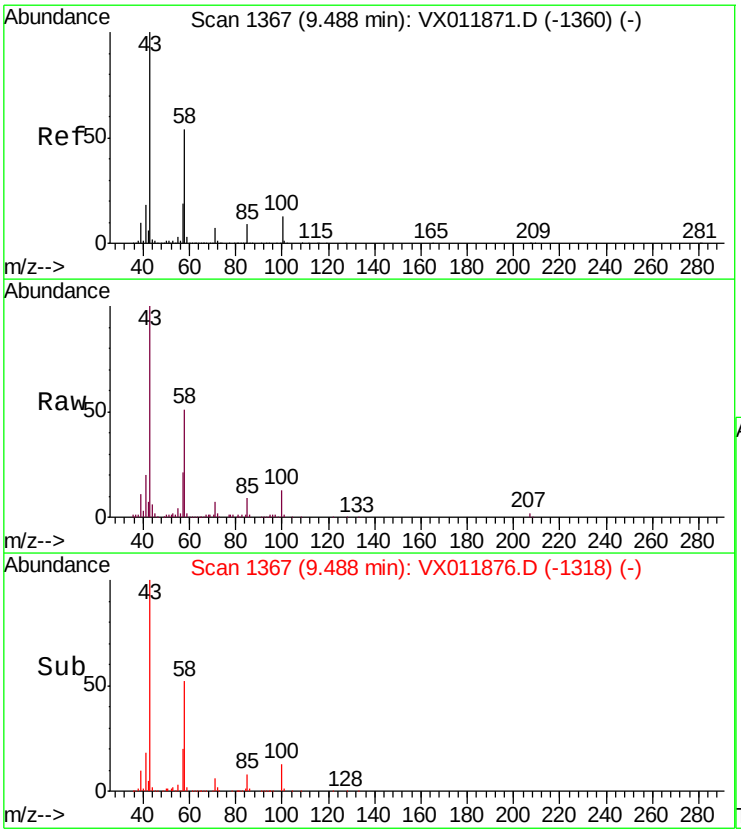
#58
2-Chloroethyl Vinyl ether
Concen: 26.772 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 63 Resp: 169

Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.6	36.8#

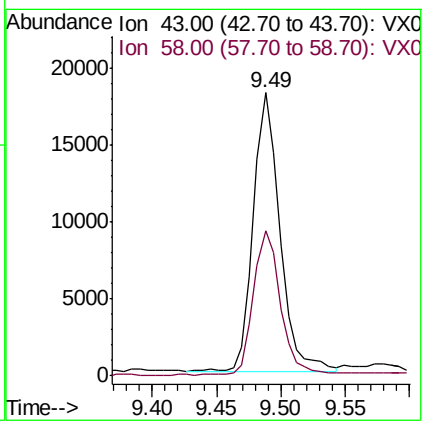


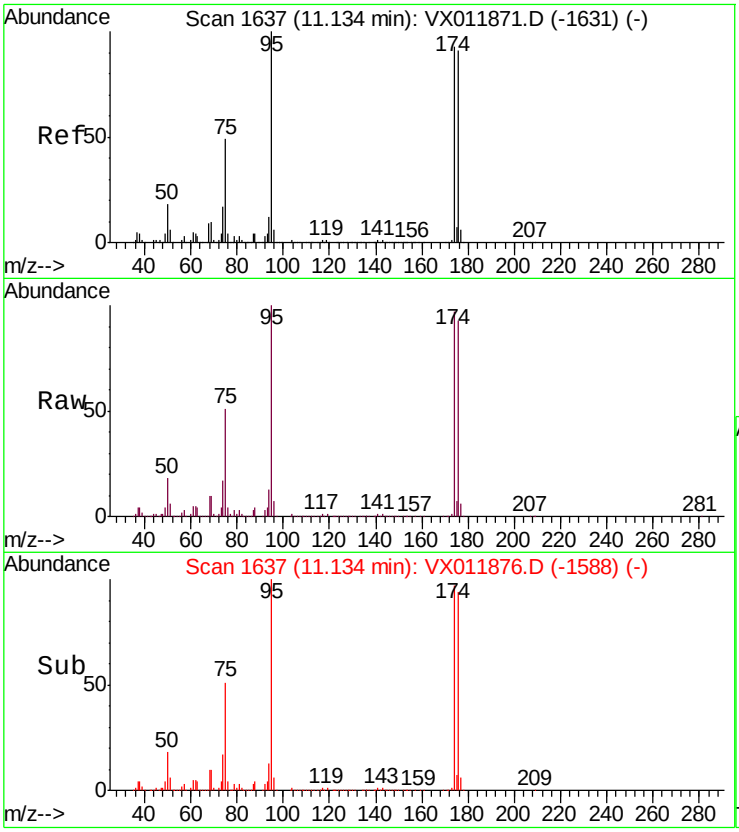


#59
2-Hexanone
Concen: 28.715 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 43 Resp: 25668

Ion	Ratio	Lower	Upper
43	100		
58	54.7	26.7	80.1



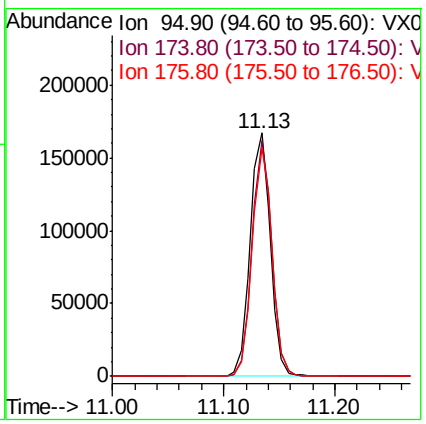


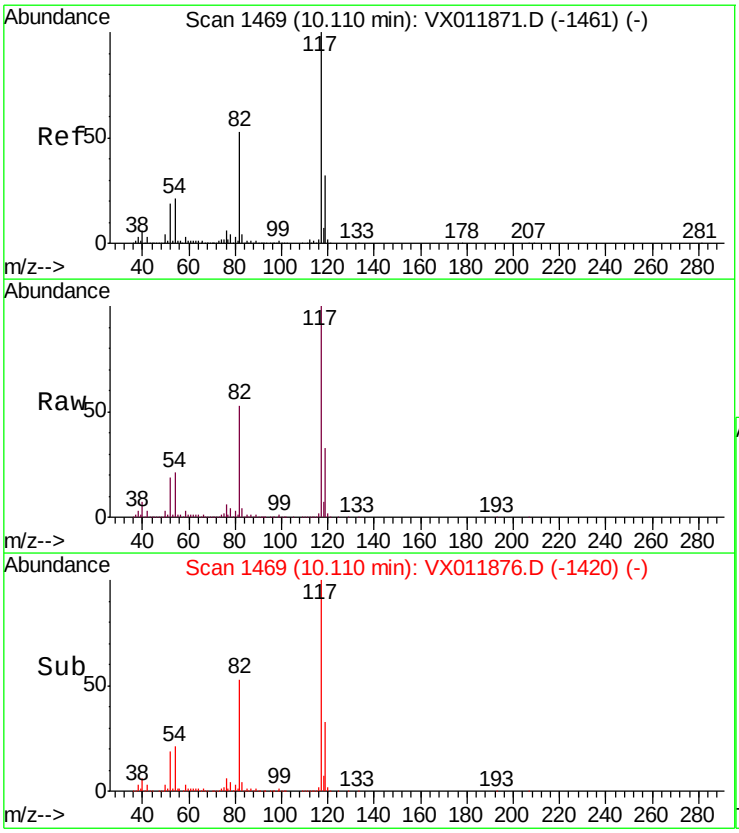
#62
4-Bromofluorobenzene
Concen: 45.832 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 211346

Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	189.2
176	92.4	0.0	185.6

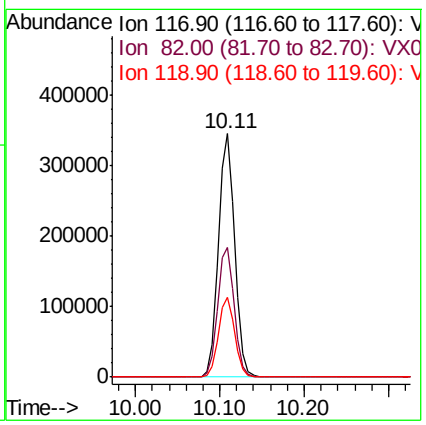


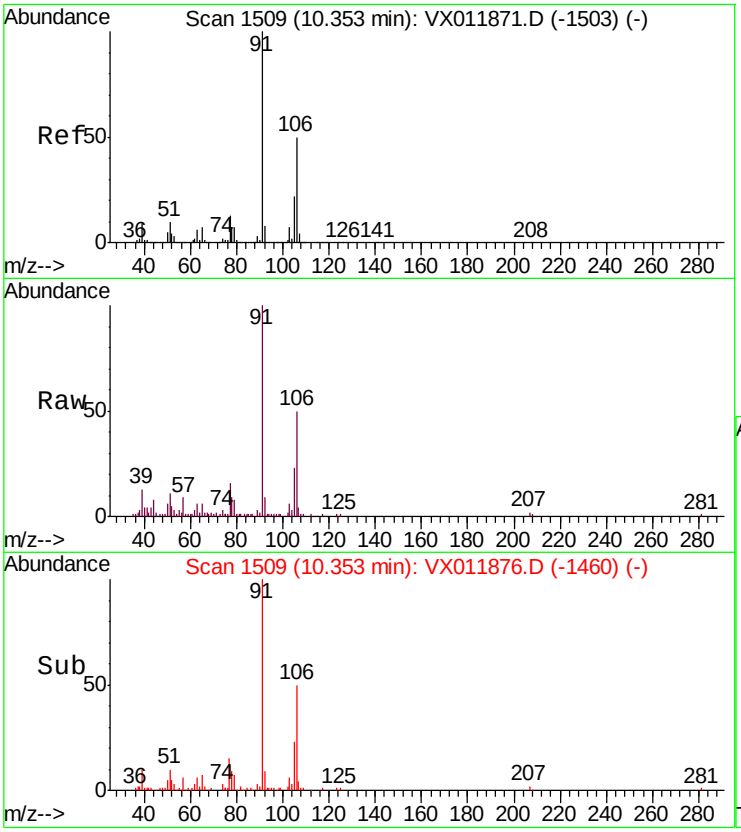


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:117 Resp: 461611

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	33.0	25.5	38.3



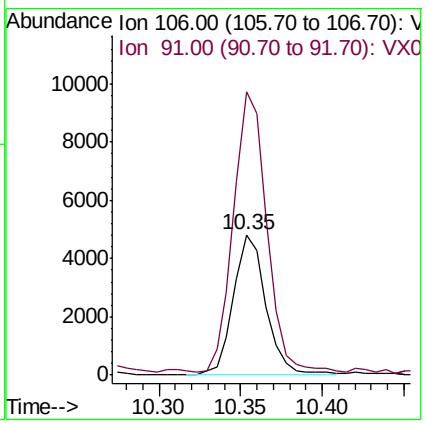


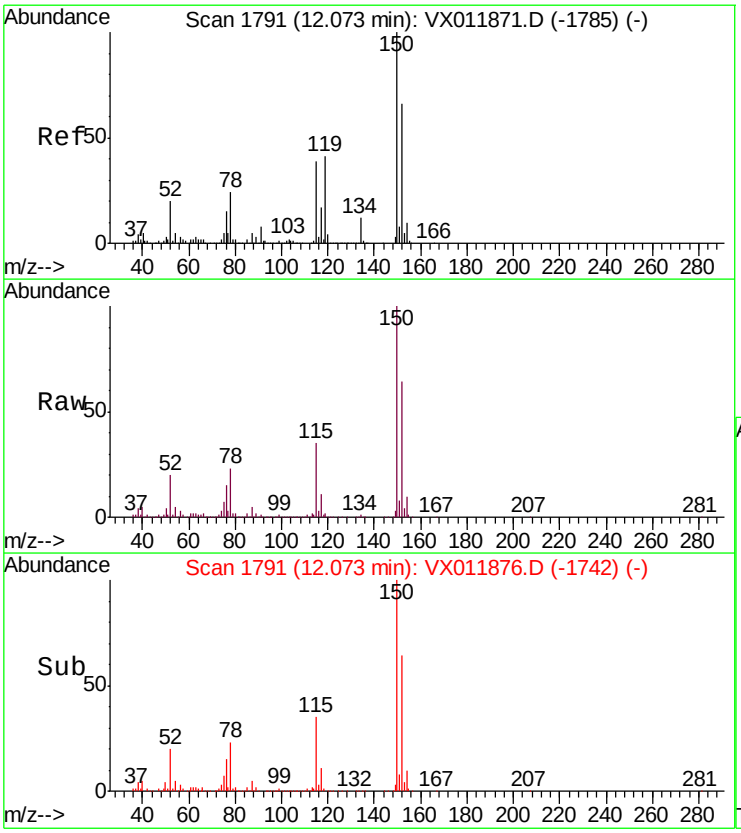
#68
m/p-Xylenes
Concen: 1.205 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 6737

Ion	Ratio	Lower	Upper
106	100		
91	204.1	158.9	238.3

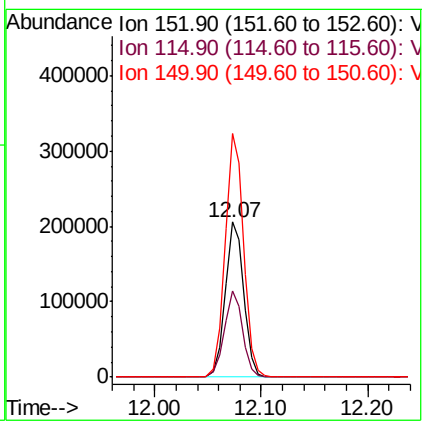


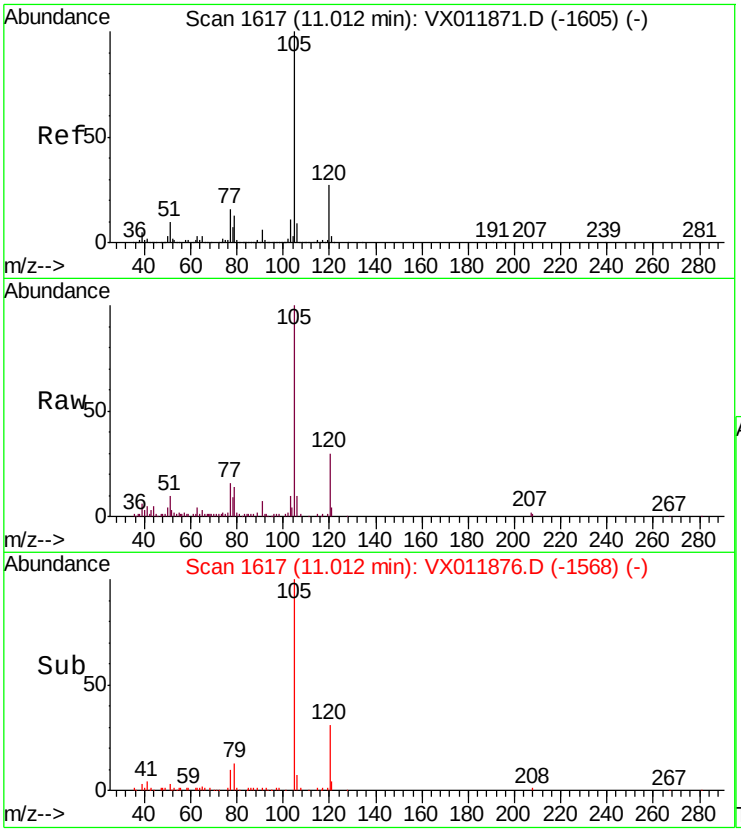


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:152 Resp: 250010

Ion	Ratio	Lower	Upper
152	100		
115	55.0	36.0	108.1
150	156.5	0.0	341.4



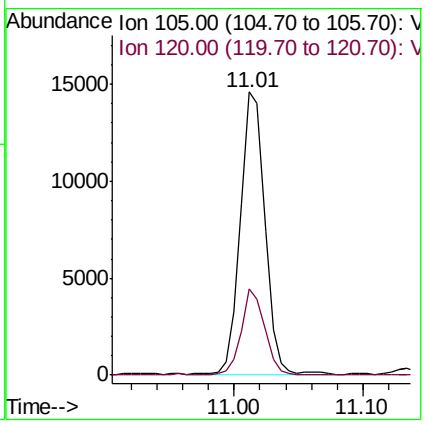


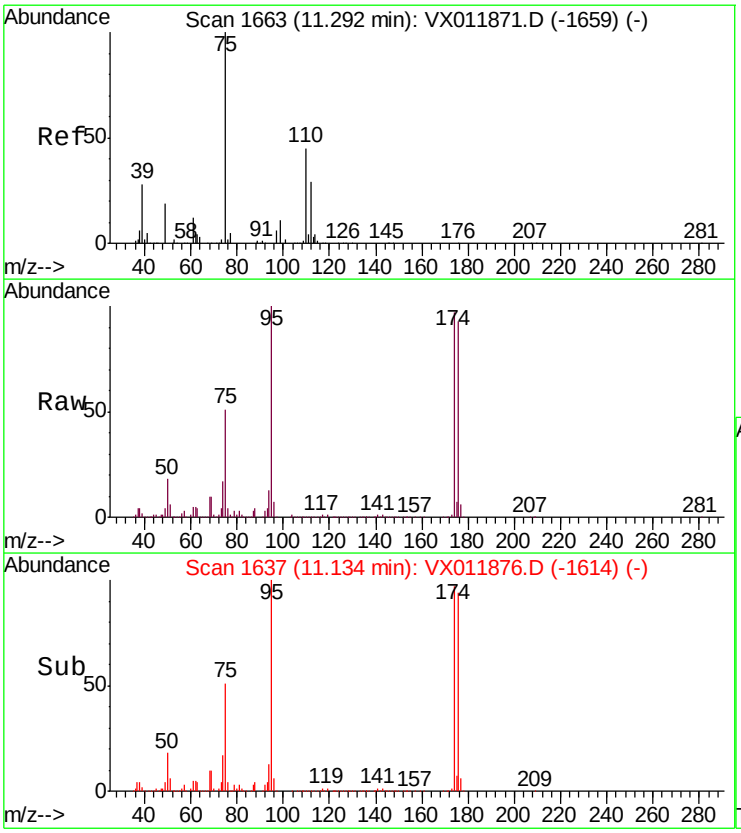
#73
Isopropylbenzene
Concen: 1.344 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 19403

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.8	41.3

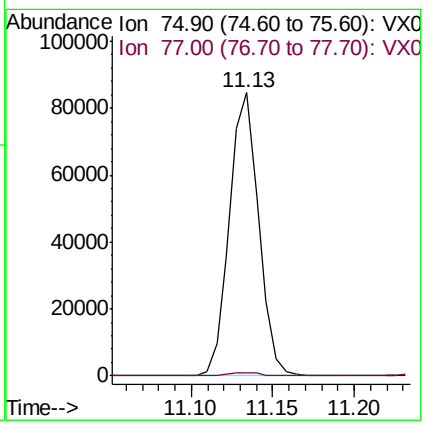


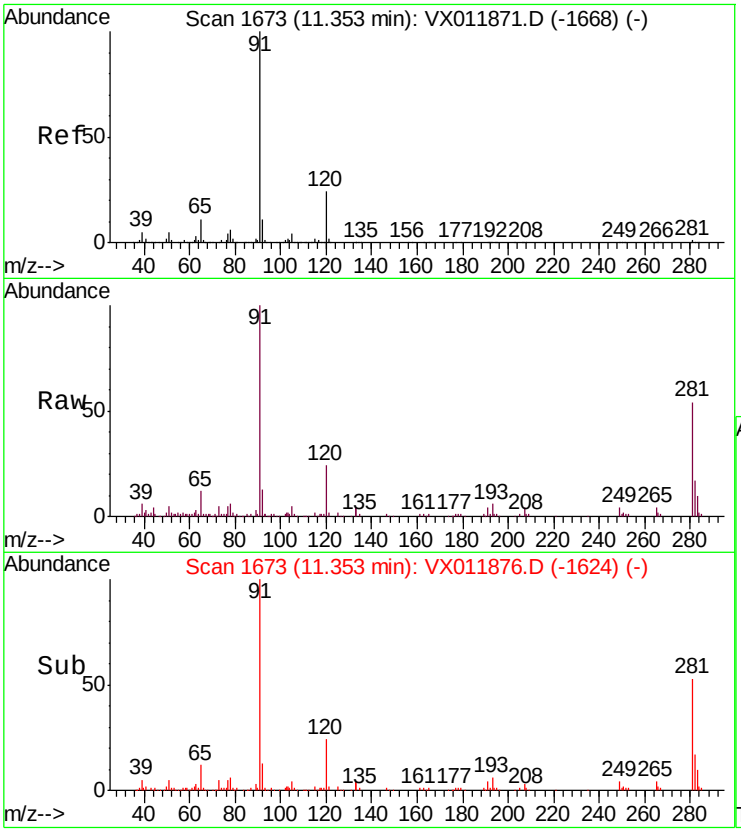


#76
1,2,3-Trichloropropane
Concen: 55.033 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 75 Resp: 105678

Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.5	58.5#



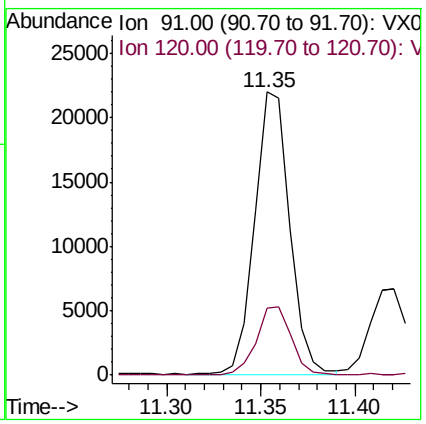


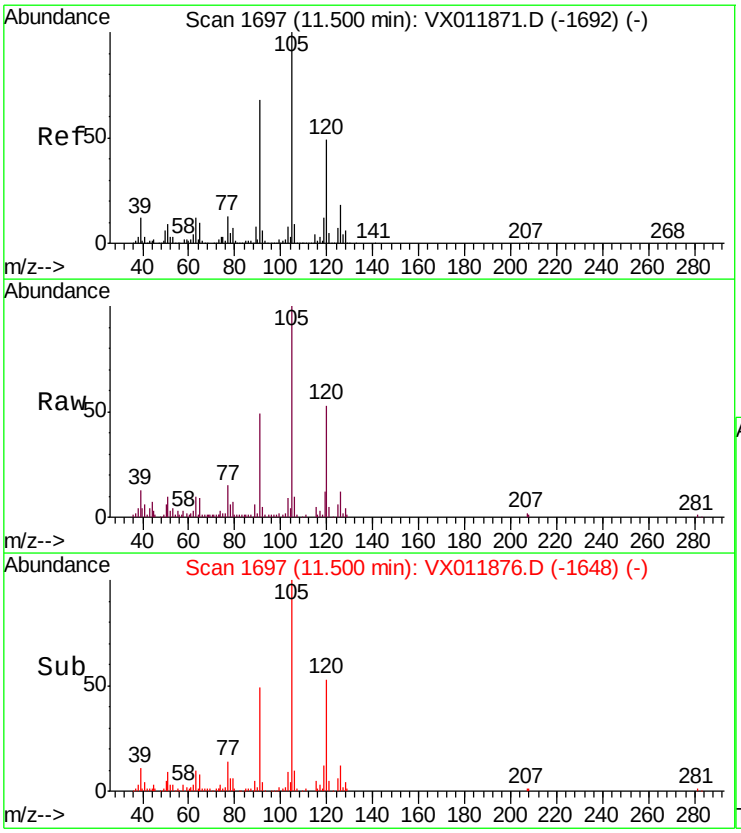
#78
n-propylbenzene
Concen: 1.771 ug/l
RT: 11.35 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 28131

Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.2	36.6

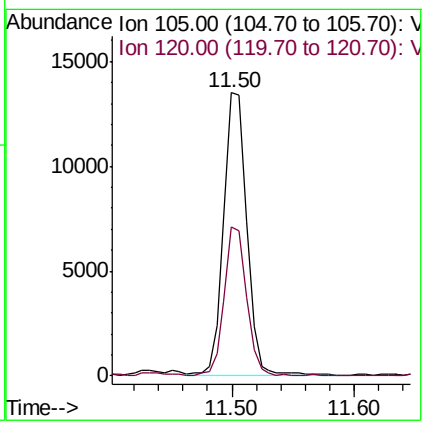


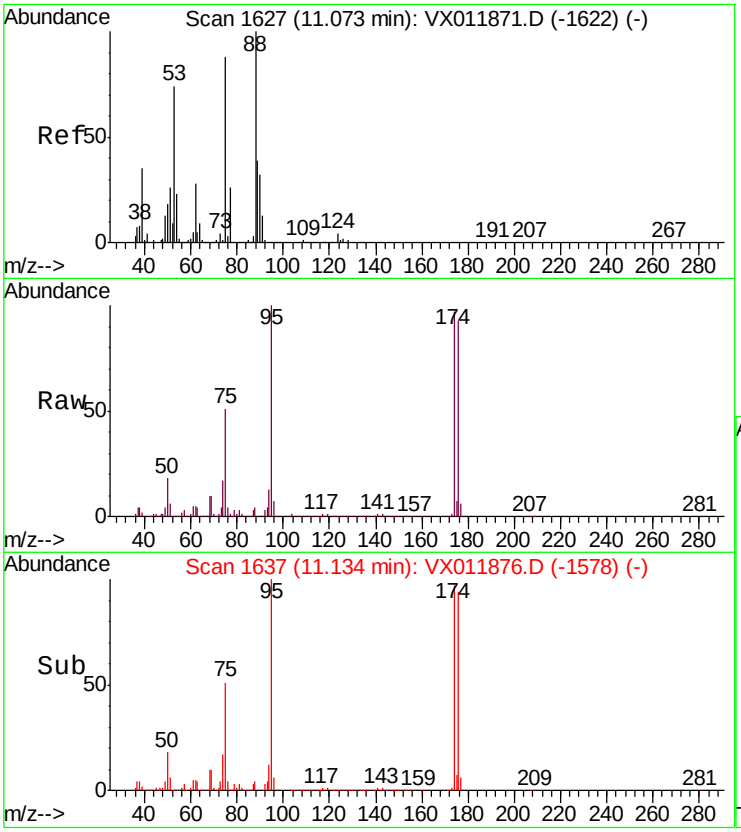


#80
1,3,5-Trimethylbenzene
Concen: 1.475 ug/l
RT: 11.50 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:105 Resp: 17867

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.9	74.8



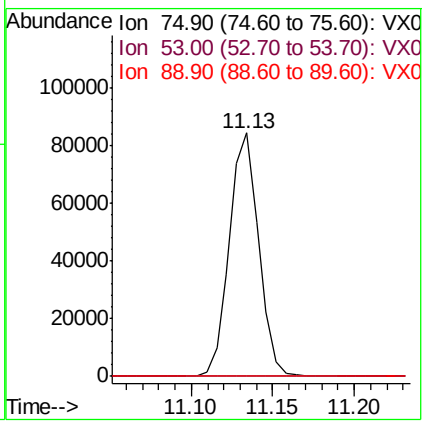


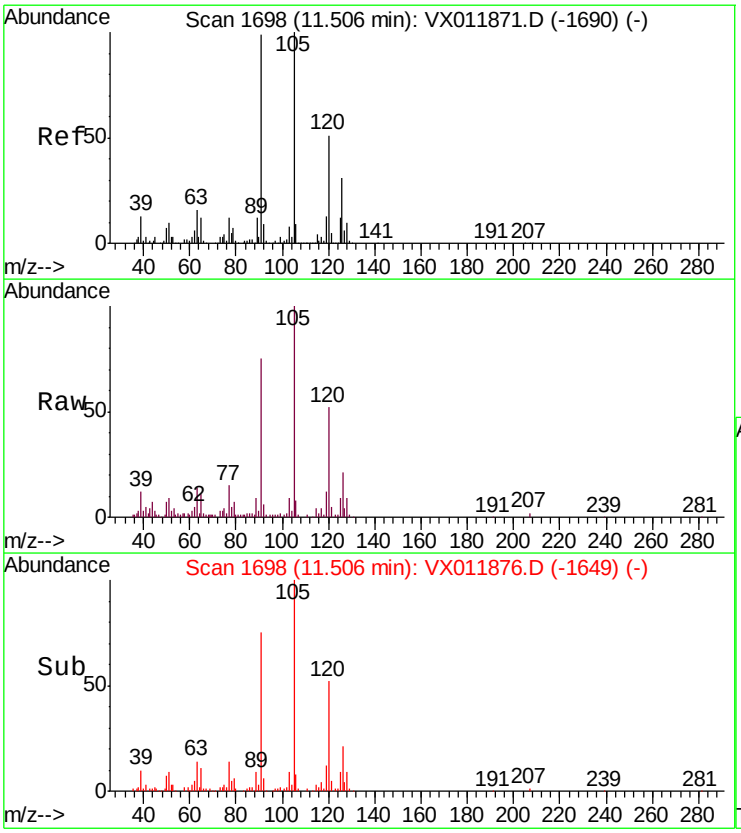
#81
trans-1,4-Dichloro-2-butene
Concen: 202.573 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 105678

Ion	Ratio	Lower	Upper
75	100		
53	0.1	73.3	109.9#
89	0.0	37.4	56.0#

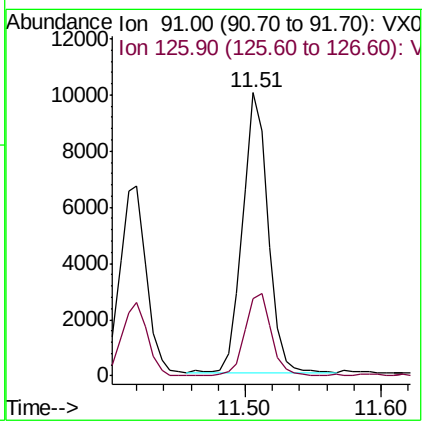


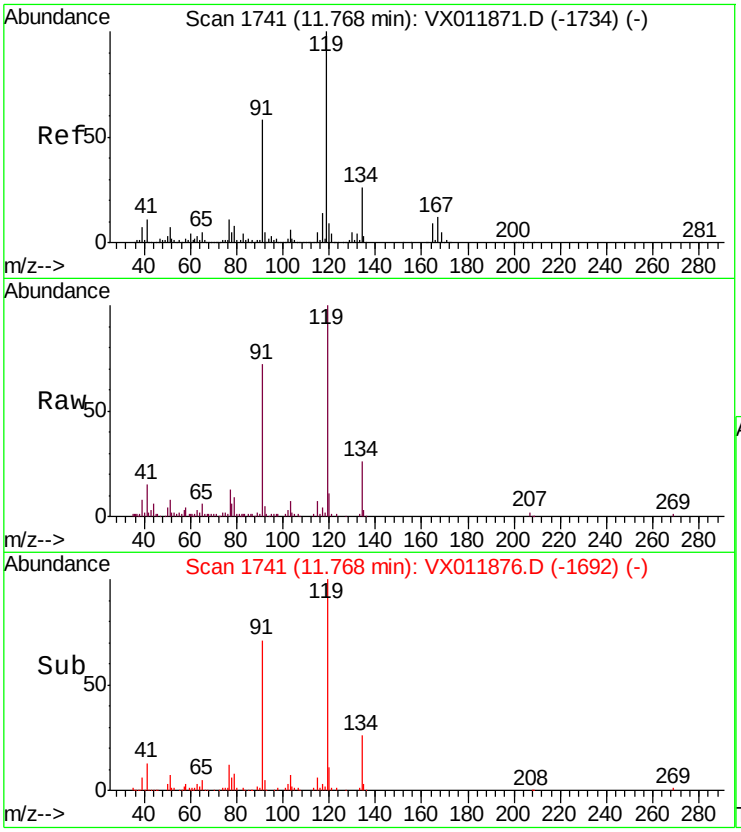


#82
4-Chlorotoluene
Concen: 1.139 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion: 91 Resp: 13144

Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2



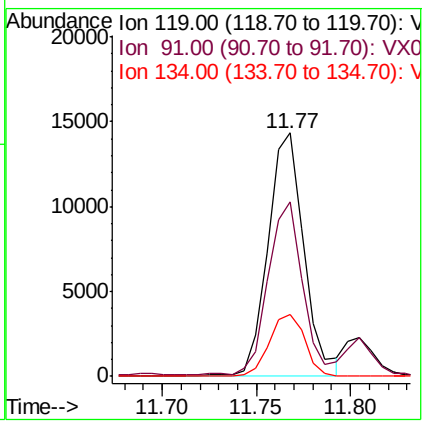


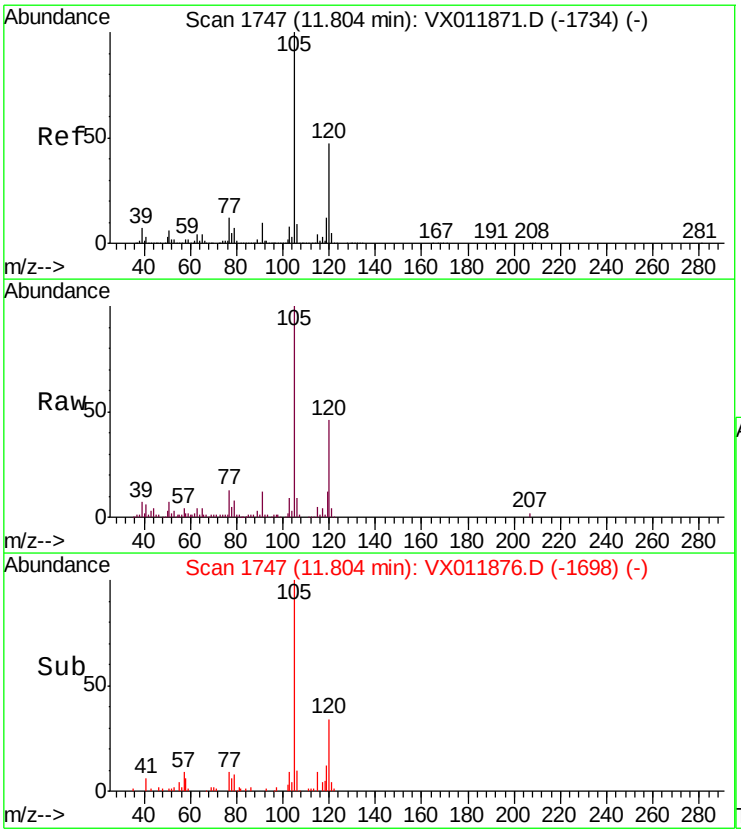
#83
tert-Butylbenzene
Concen: 1.685 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 18962

Ion	Ratio	Lower	Upper
119	100		
91	67.1	28.6	85.8
134	25.3	12.4	37.2

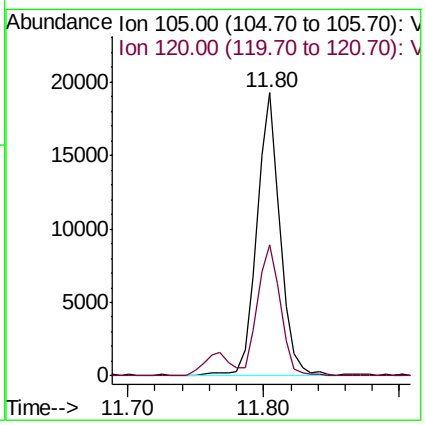


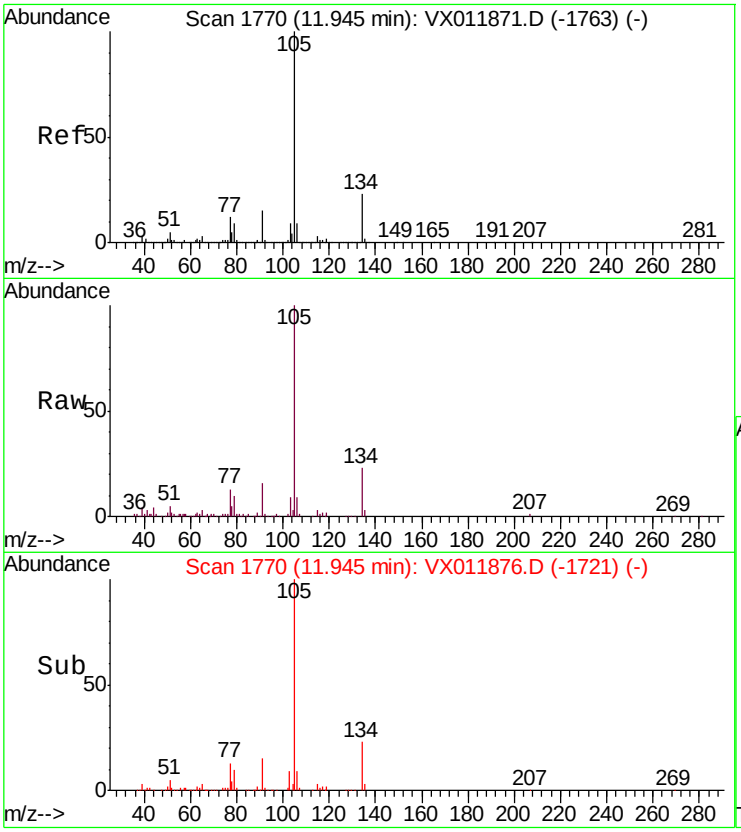


#84
1,2,4-Trimethylbenzene
Concen: 2.025 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:105 Resp: 23267

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0



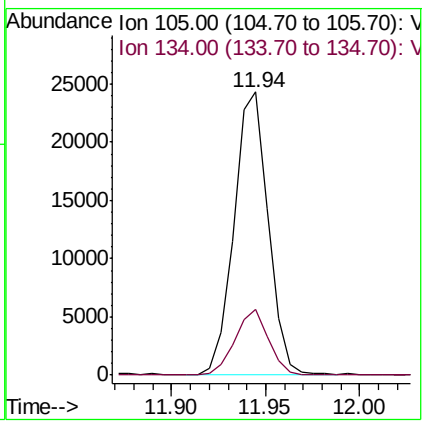


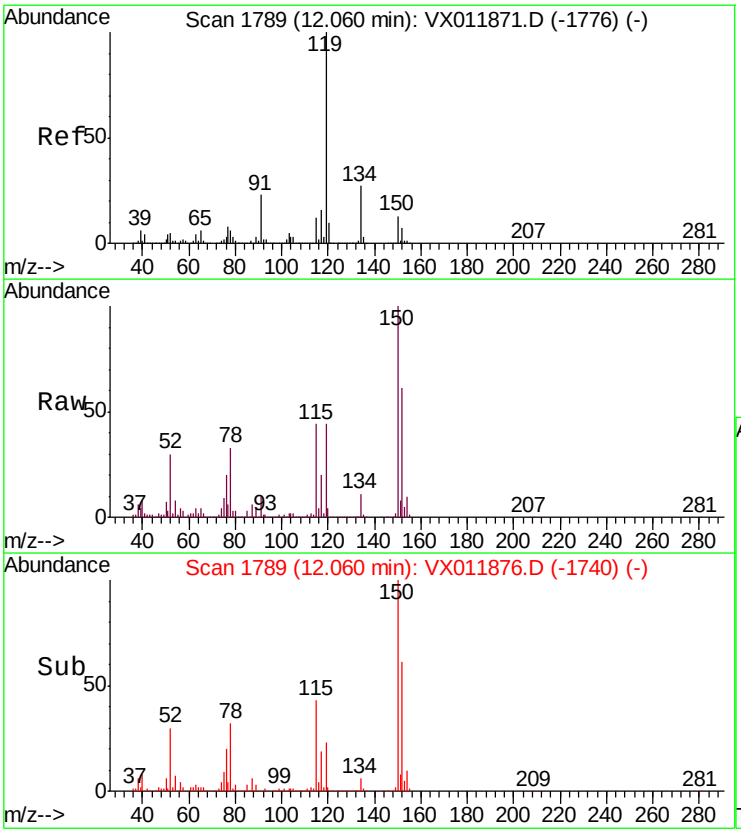
#85
sec-Butylbenzene
Concen: 2.315 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 30276

Ion	Ratio	Lower	Upper
105	100		
134	22.8	10.9	32.9

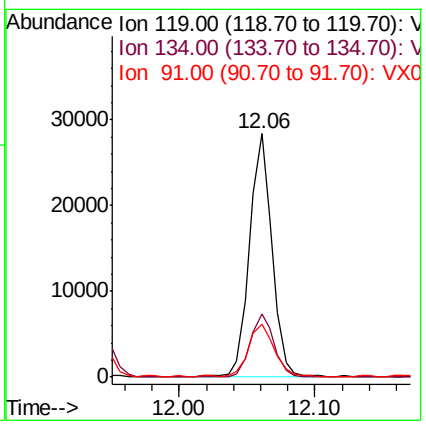


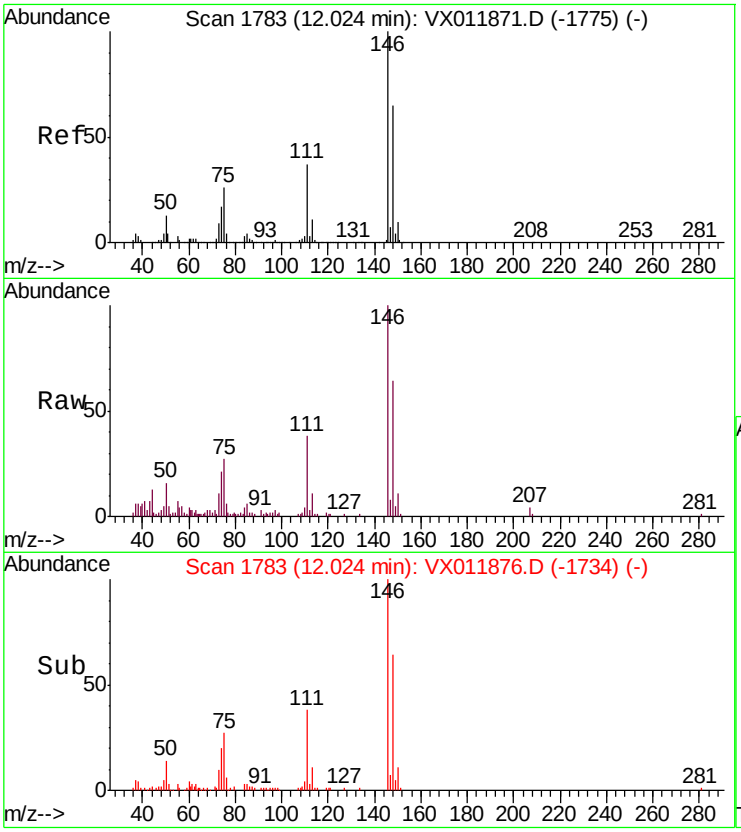


#86
p-Isopropyltoluene
Concen: 2.751 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:119 Resp: 33134

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.5
91	24.1	11.7	35.0



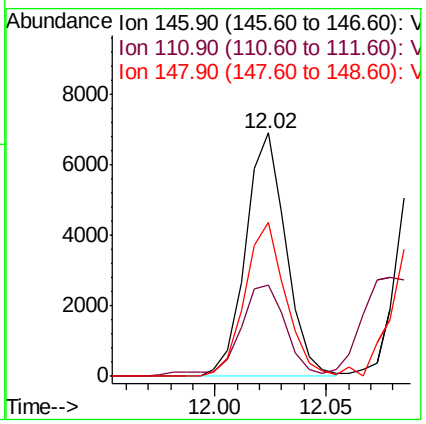


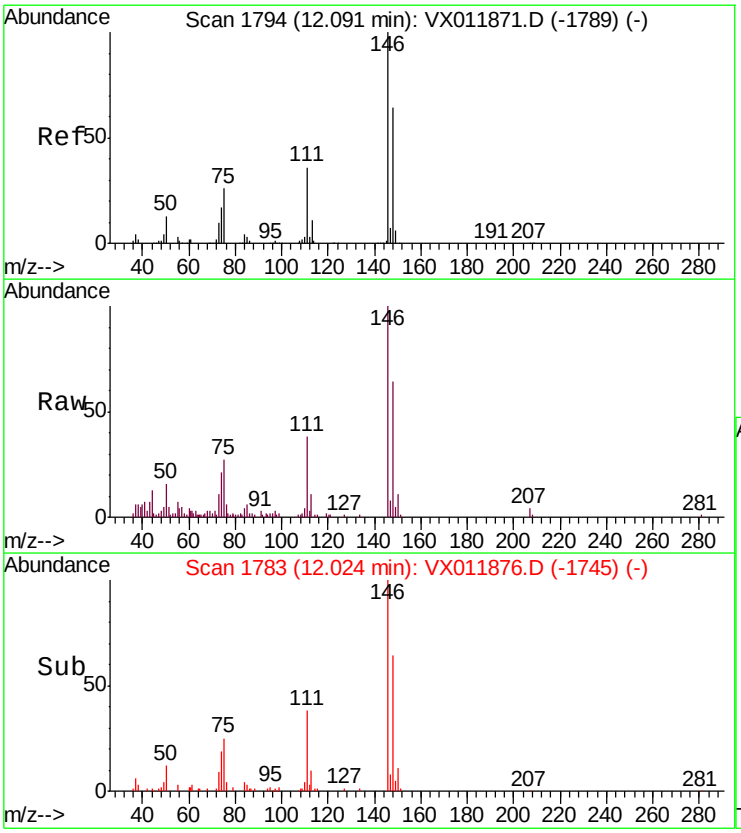
#87
1,3-Dichlorobenzene
Concen: 1.207 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 8721

Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.8	56.3
148	63.7	32.0	96.2

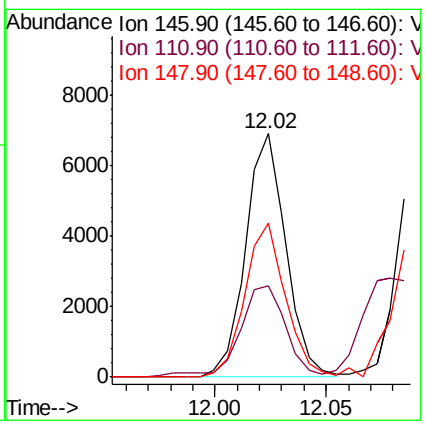


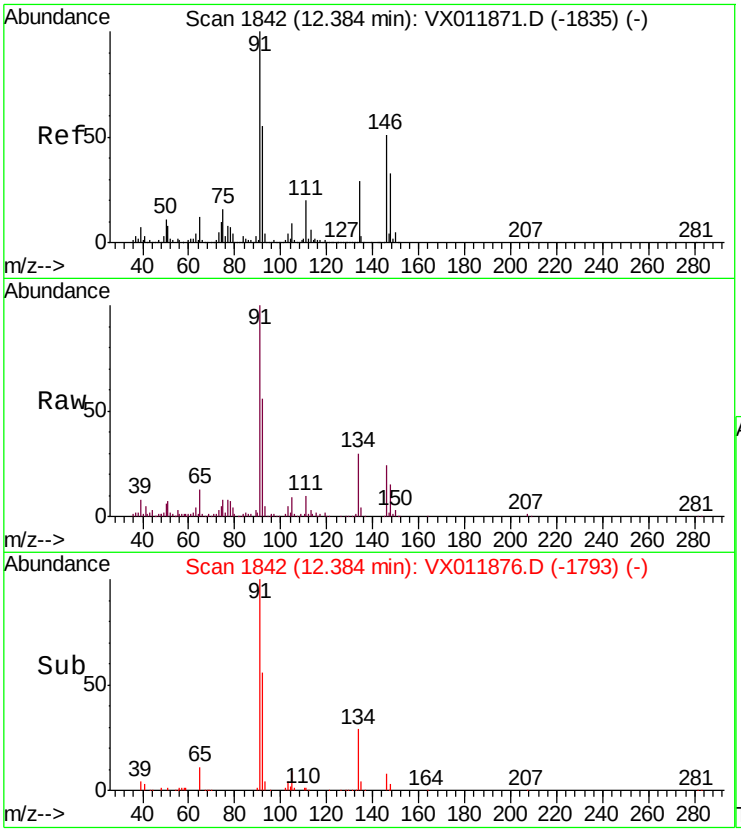


#88
1,4-Dichlorobenzene
Concen: 1.246 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.07 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:146 Resp: 8721

Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.3	54.8
148	63.7	32.3	96.8



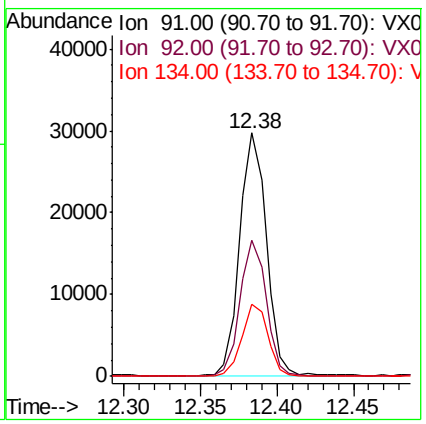


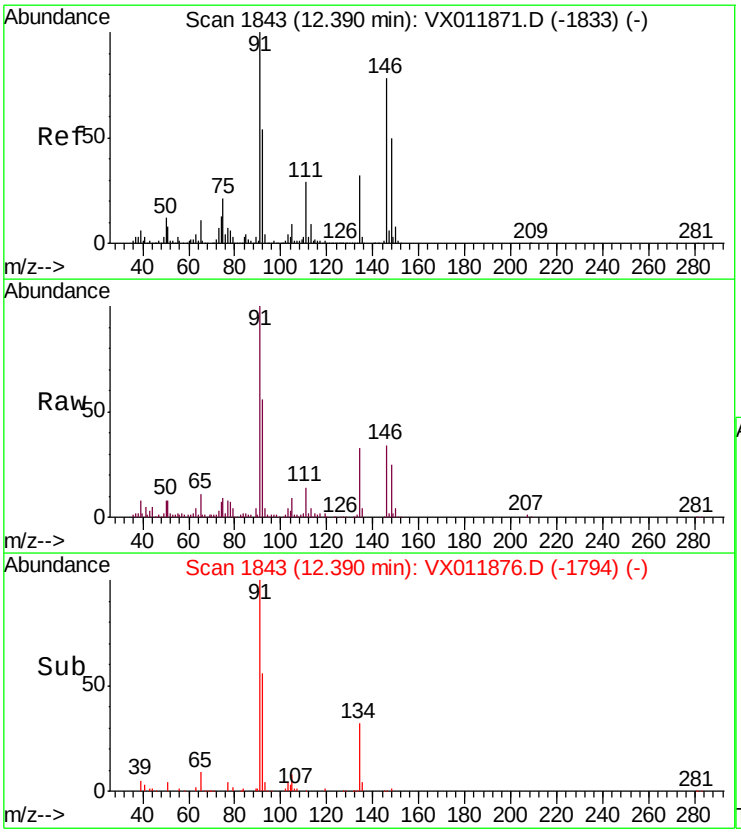
#89
n-Butylbenzene
Concen: 3.602 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 35995

Ion	Ratio	Lower	Upper
91	100		
92	55.9	27.6	82.7
134	29.3	14.4	43.4

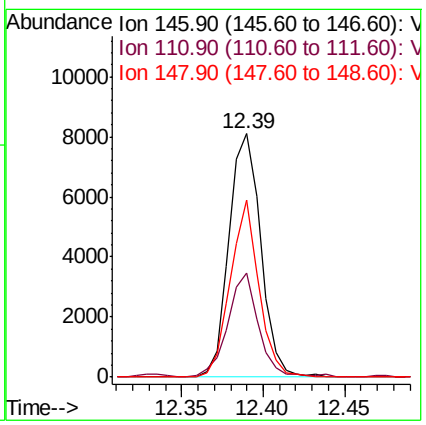


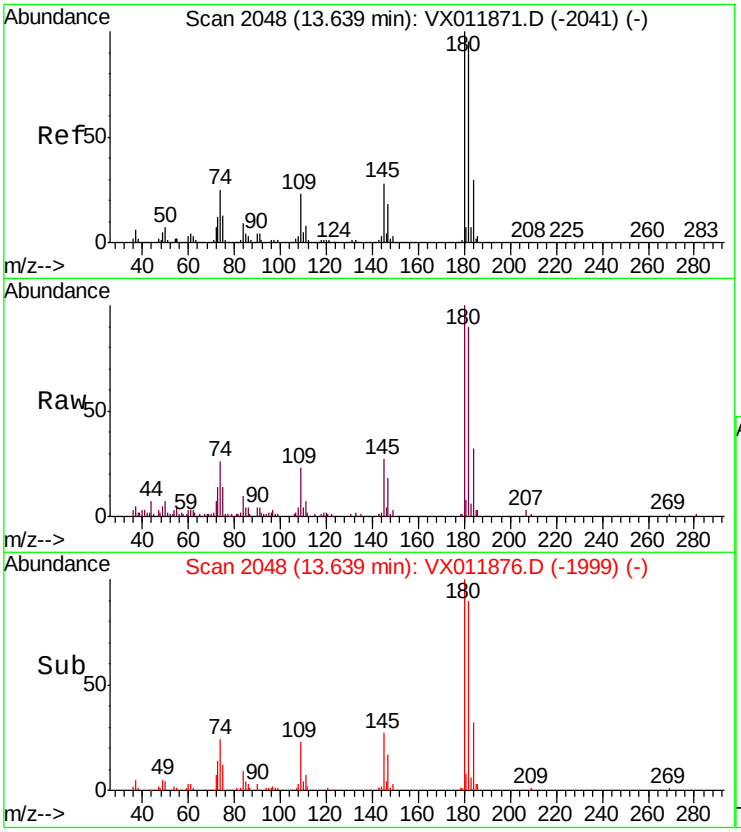


#91
1,2-Dichlorobenzene
Concen: 1.782 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:146 Resp: 10994

Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.3	57.9
148	65.3	32.0	96.0



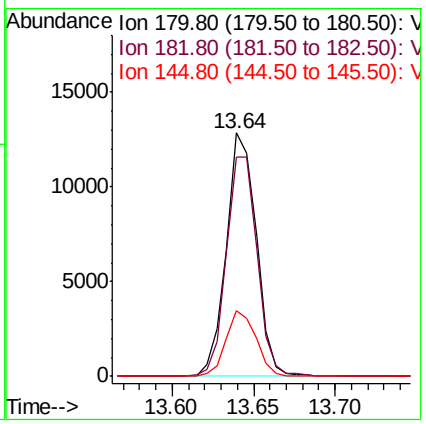


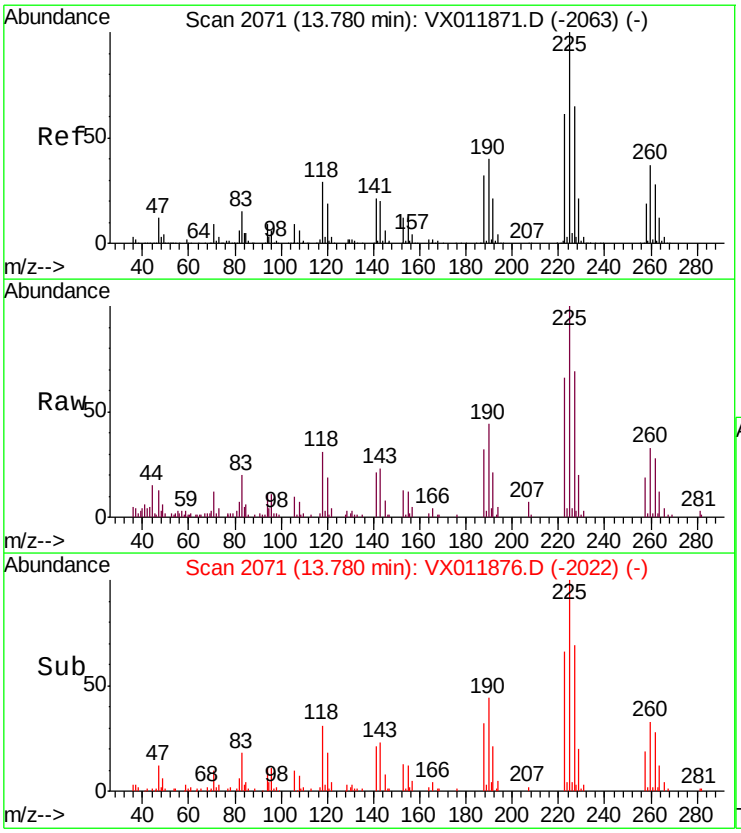
#93
1,2,4-Trichlorobenzene
Concen: 3.845 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 16463

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.7
145	26.7	13.8	41.4

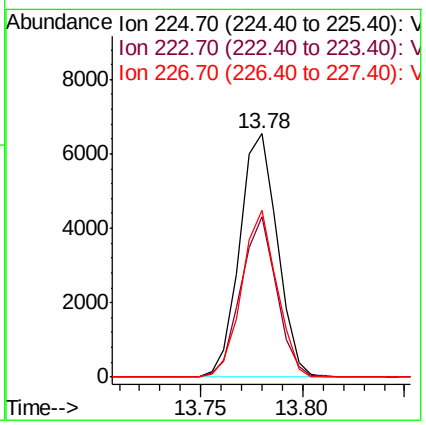


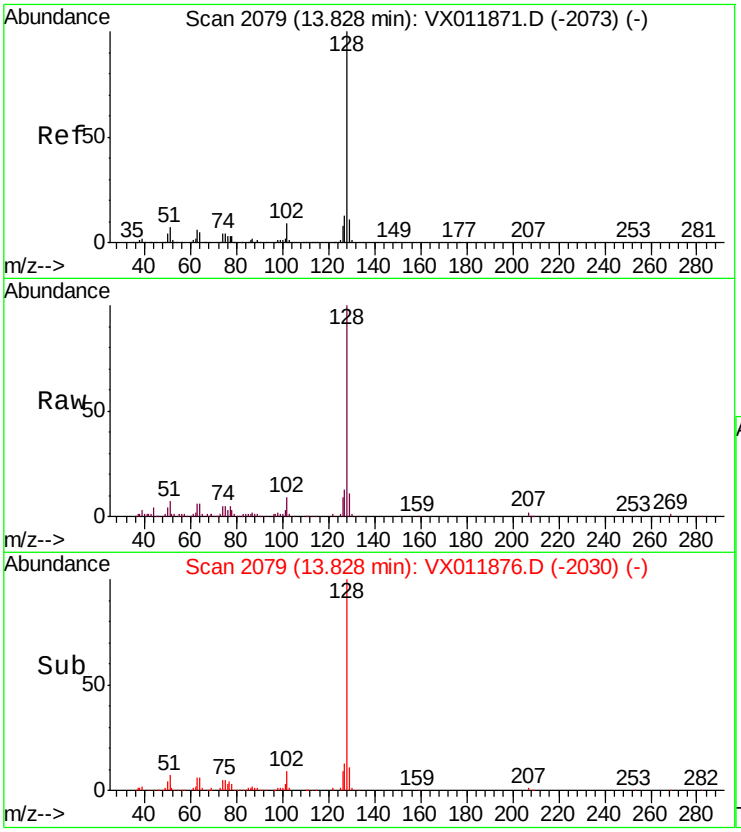


#94
Hexachlorobutadiene
Concen: 2.693 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:225 Resp: 8408

Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.8
227	63.9	32.5	97.5



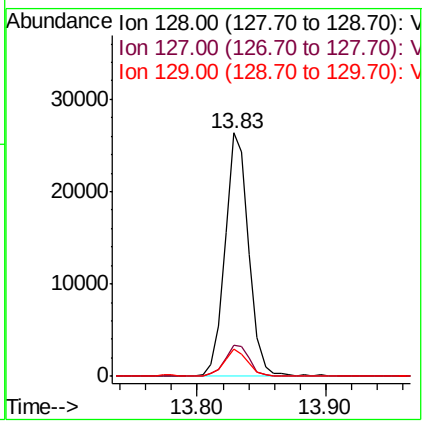


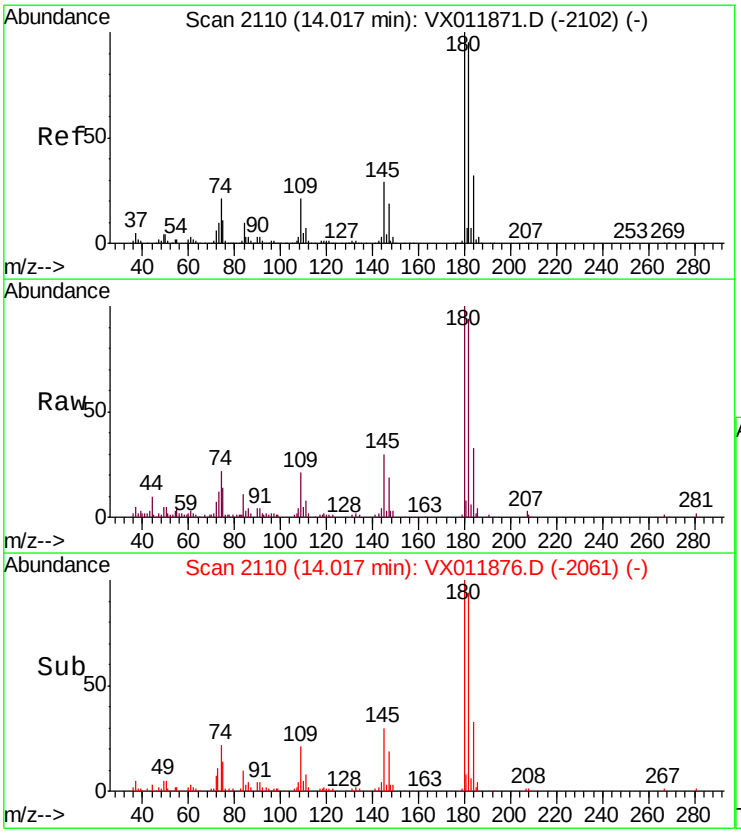
#95
Naphthalene
Concen: 6.626 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 34114

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	9.0	13.4





#96
1,2,3-Trichlorobenzene
Concen: 4.438 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011876.D
Acq: 28 Aug 2019 18:50

Tgt Ion:180 Resp: 15419

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	32.1	14.9	44.7