Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
Data File : VX011875.D
Acq On : 28 Aug 2019 18:21
Operator : SY/SP
Sample : VX0828SBL01
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:43 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	342454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	481636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	442206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	239349	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	165552	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery = 108.96%			
35) Dibromofluoromethane	5.49	113	149290	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery = 102.02%			
50) Toluene-d8	8.71	98	577586	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery = 106.02%			
62) 4-Bromofluorobenzene	11.13	95	221170	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery = 101.78%			
Target Compounds						Qvalue
11) Tert butyl alcohol	3.03	59	3992	Below Cal	#	79
13) Acrolein	2.28	56	887	7.742	ug/l #	12
16) Acetone	2.43	43	24245	5.625	ug/l	95
18) Methyl Acetate	2.76	43	3329	Below Cal	#	85
25) 2-Butanone	4.68	43	4868	5.468	ug/l #	82
29) Tetrahydrofuran	5.14	42	1964	3.728	ug/l #	84
31) Cyclohexane	5.65	56	5703	1.290	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	21383	5.397	ug/l #	52
38) Carbon Tetrachloride	5.65	117	30078	7.792	ug/l #	16
49) 1,4-Dioxane	7.74	88	1404	79.609	ug/l #	81
51) 4-Methyl-2-Pentanone	8.63	43	32495	24.648	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	91	26.684	ug/l #	44
59) 2-Hexanone	9.49	43	29148	34.597	ug/l	98
68) m/p-Xylenes	10.35	106	8764	1.637	ug/l	96
69) o-Xylene	10.69	106	5205	1.033	ug/l	92
73) Isopropylbenzene	11.01	105	23095	1.671	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	109630	59.634	ug/l #	39
78) n-propylbenzene	11.36	91	33209	2.184	ug/l	98
79) 2-Chlorotoluene	11.41	91	10970	1.151	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	20395	1.759	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	109630	219.509	ug/l #	13
82) 4-Chlorotoluene	11.51	91	17021	1.541	ug/l	98
83) tert-Butylbenzene	11.77	119	22235	2.063	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	26395	2.400	ug/l	97
85) sec-Butylbenzene	11.94	105	36095	2.883	ug/l	100
86) p-Isopropyltoluene	12.06	119	37382	3.242	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11639	1.682	ug/l	99
88) 1,4-Dichlorobenzene	12.02	146	11639	1.737	ug/l	98
89) n-Butylbenzene	12.38	91	41392	4.327	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	13671	2.314	ug/l	100
93) 1,2,4-Trichlorobenzene	13.64	180	18375	4.482	ug/l	99
94) Hexachlorobutadiene	13.78	225	9641	3.226	ug/l	99
95) Naphthalene	13.83	128	38457	7.802	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	17798	5.351	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082819\
Data File : VX011875.D
Acq On : 28 Aug 2019 18:21
Operator : SY/SP
Sample : VX0828SBL01
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:43 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)

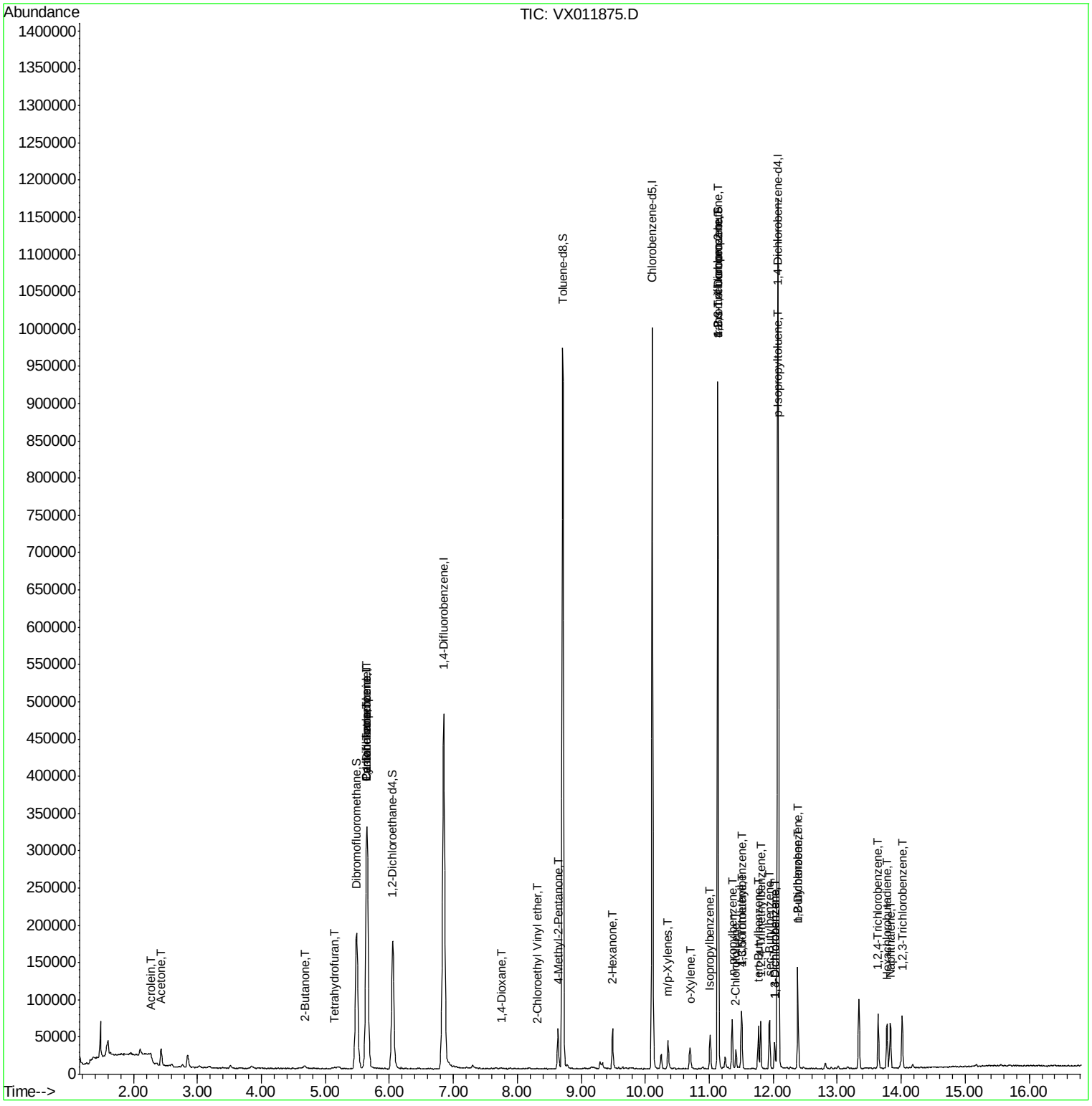
(#) = qualifier out of range (m) = manual integration (+) = signals summed

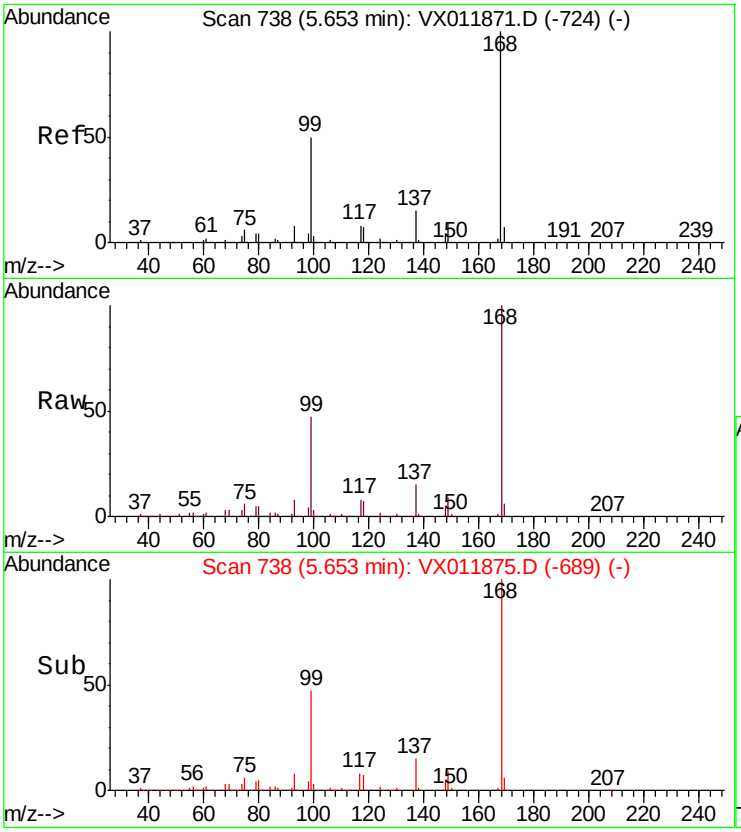
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082819\
Data File : VX011875.D
Acq On : 28 Aug 2019 18:21
Operator : SY/SP
Sample : VX0828SBL01
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 29 11:30:43 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



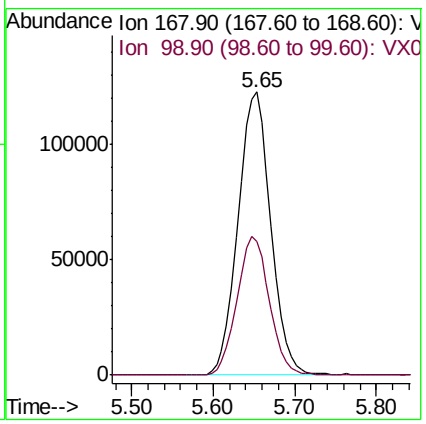


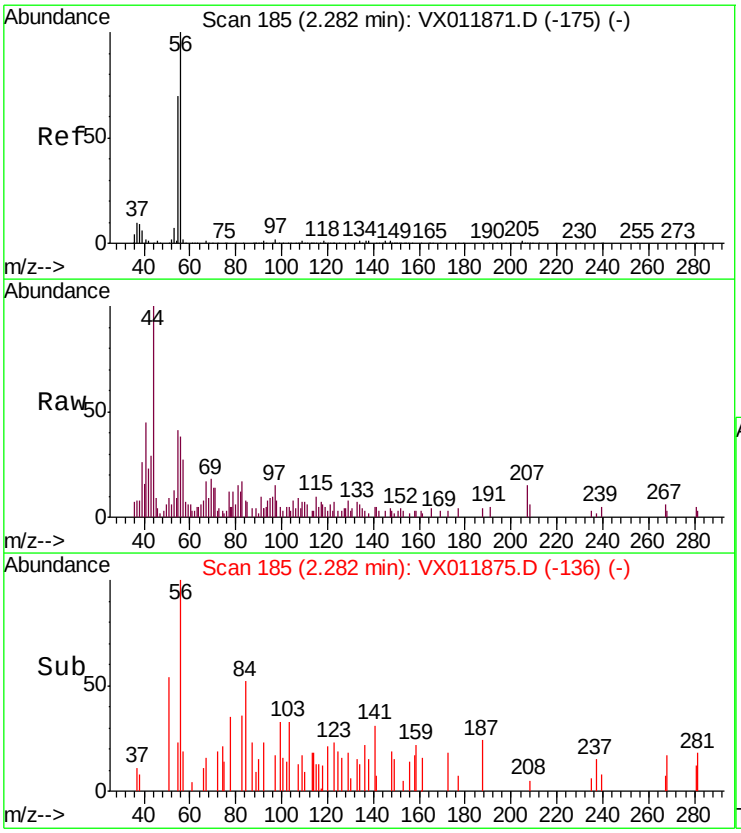
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 342454

Ion	Ratio	Lower	Upper
168	100		
99	47.4	39.6	59.4

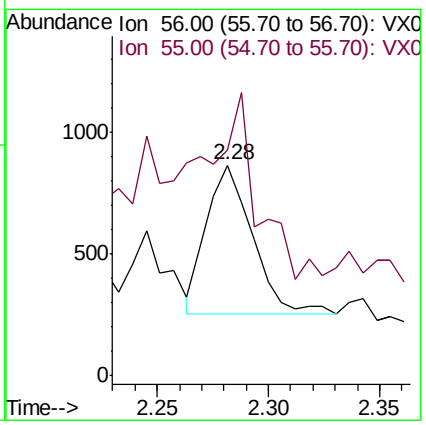


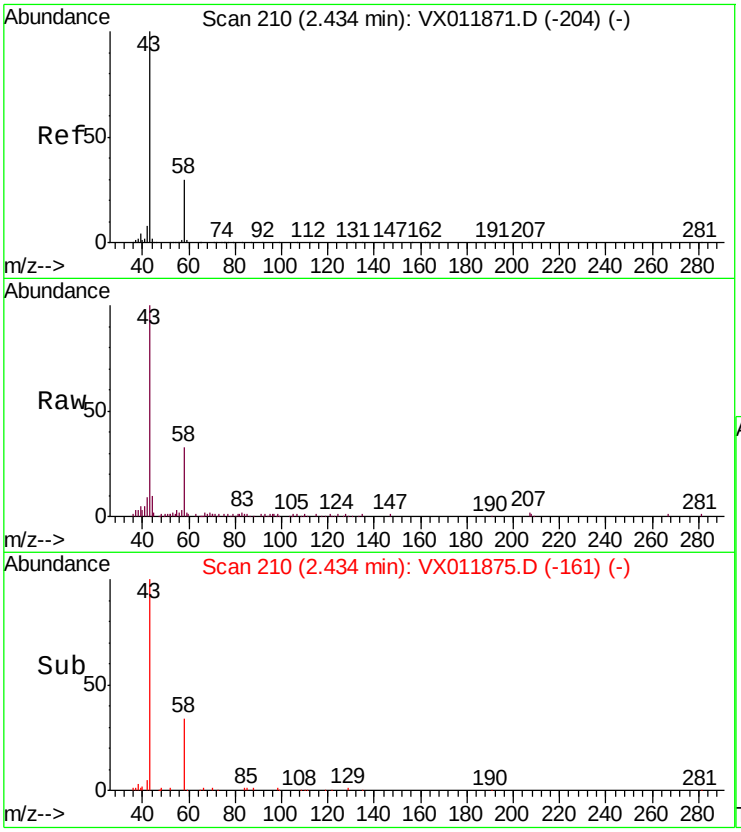


#13
Acrolein
Concen: 7.742 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 56 Resp: 887

Ion	Ratio	Lower	Upper
56	100		
55	0.0	60.2	90.4#



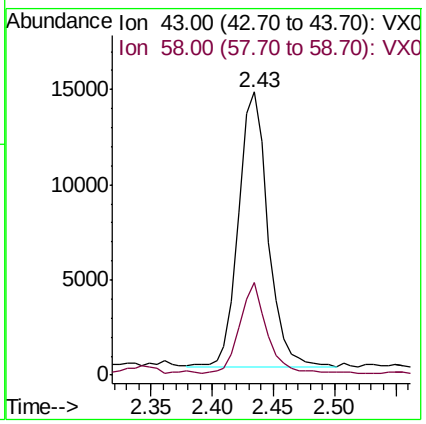


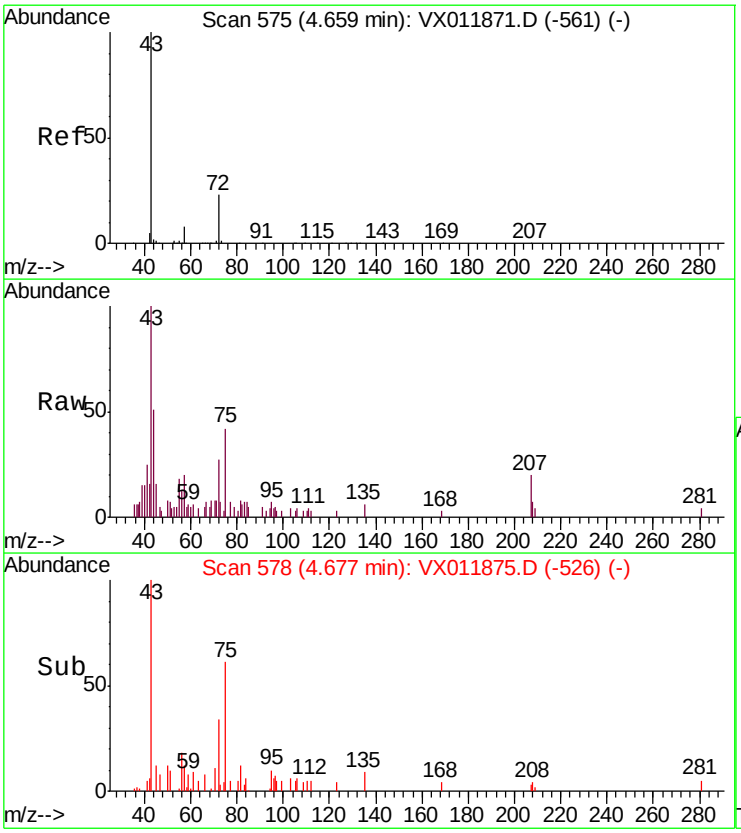
#16
Acetone
Concen: 5.625 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 24245

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.0	36.0

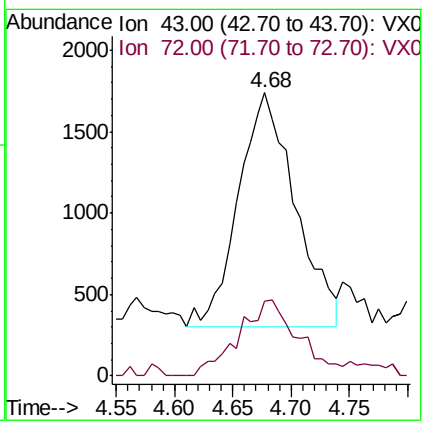


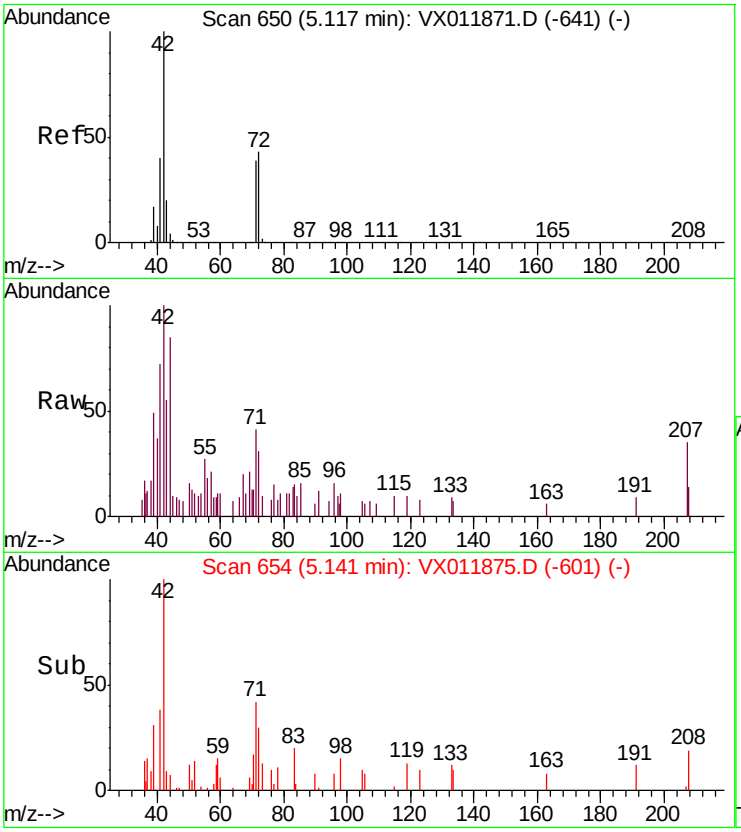


#25
2-Butanone
Concen: 5.468 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.02 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 43 Resp: 4868

Ion	Ratio	Lower	Upper
43	100		
72	32.2	18.9	28.3#



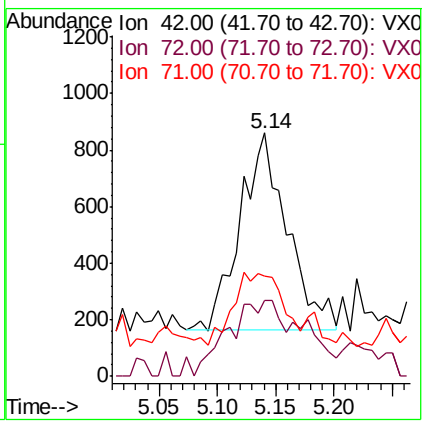


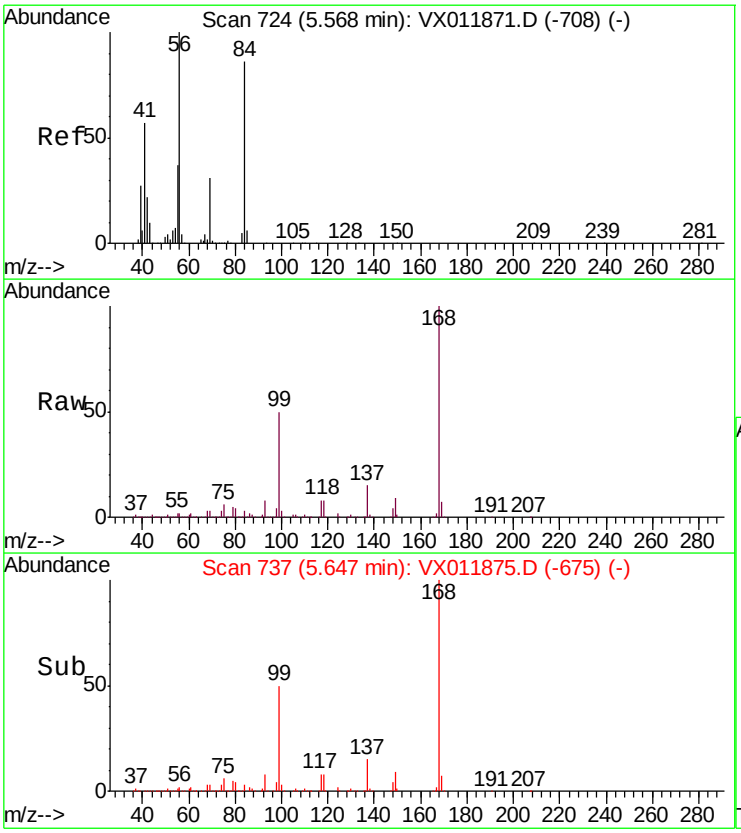
#29
Tetrahydrofuran
Concen: 3.728 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.02 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 42 Resp: 1964

Ion	Ratio	Lower	Upper
42	100		
72	26.5	35.4	53.2#
71	38.6	32.6	48.8

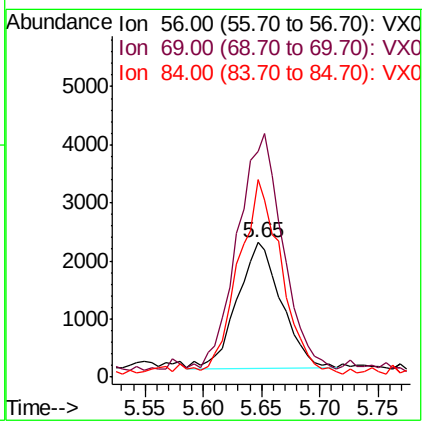


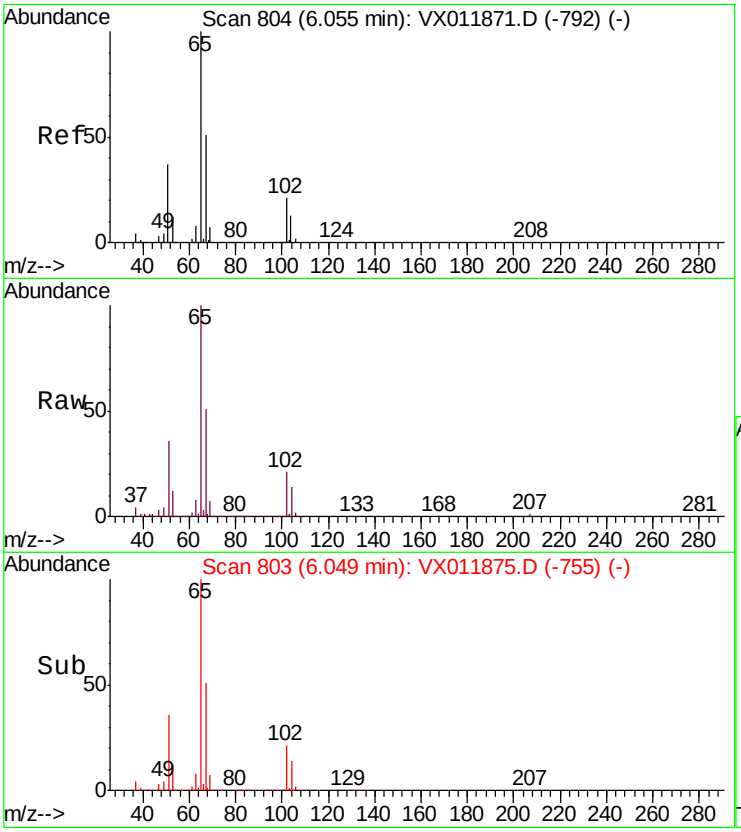


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.08 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 56 Resp: 5703

Ion	Ratio	Lower	Upper
56	100		
69	174.4	25.0	37.4#
84	153.5	68.6	103.0#



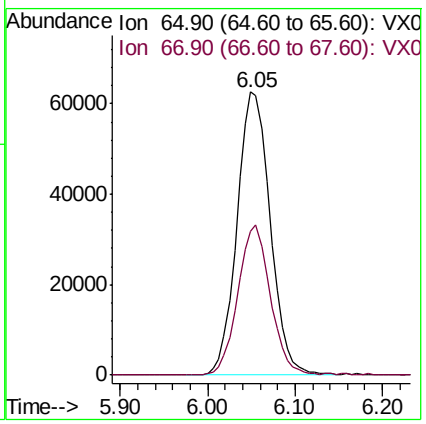


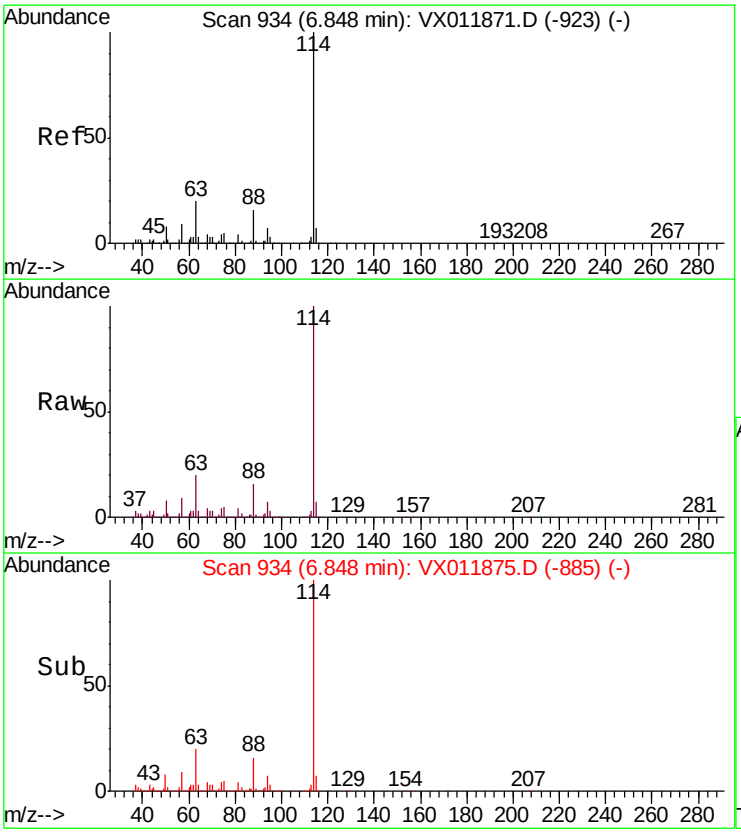
#33
1,2-Dichloroethane-d4
Concen: 54.475 ug/l
RT: 6.05 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 165552

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0

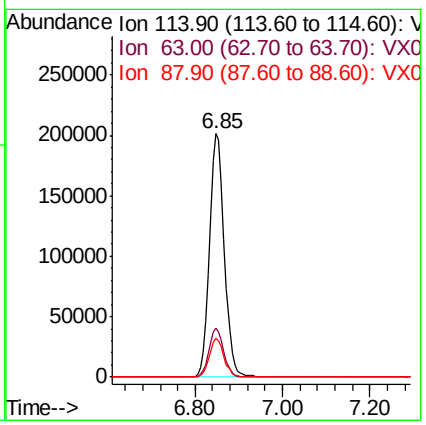


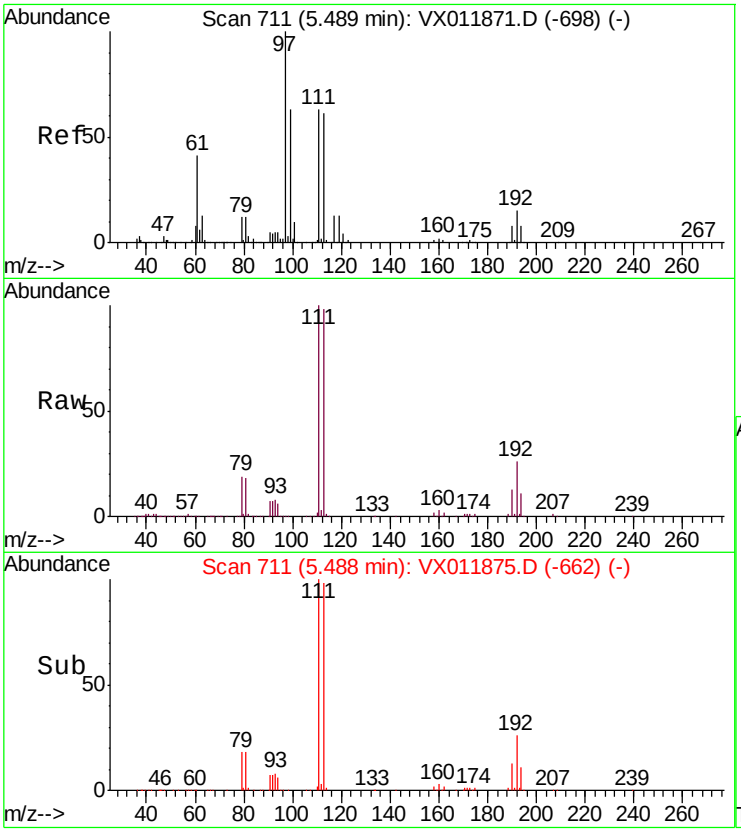


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 934
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:114 Resp: 481636

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.8
88	15.9	0.0	31.6



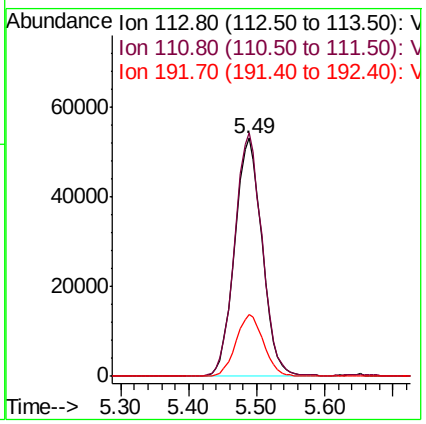


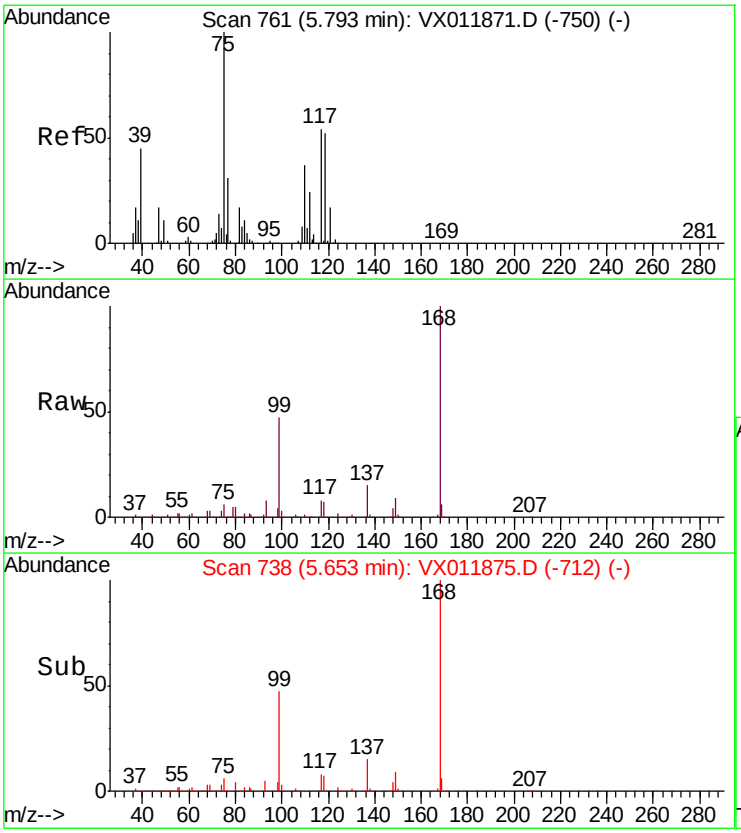
#35
Dibromofluoromethane
Concen: 51.005 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 149290

Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	26.2	20.6	30.8

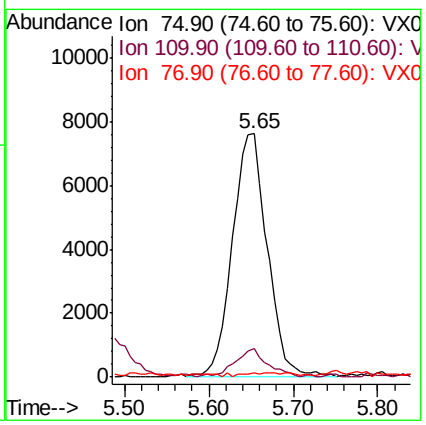


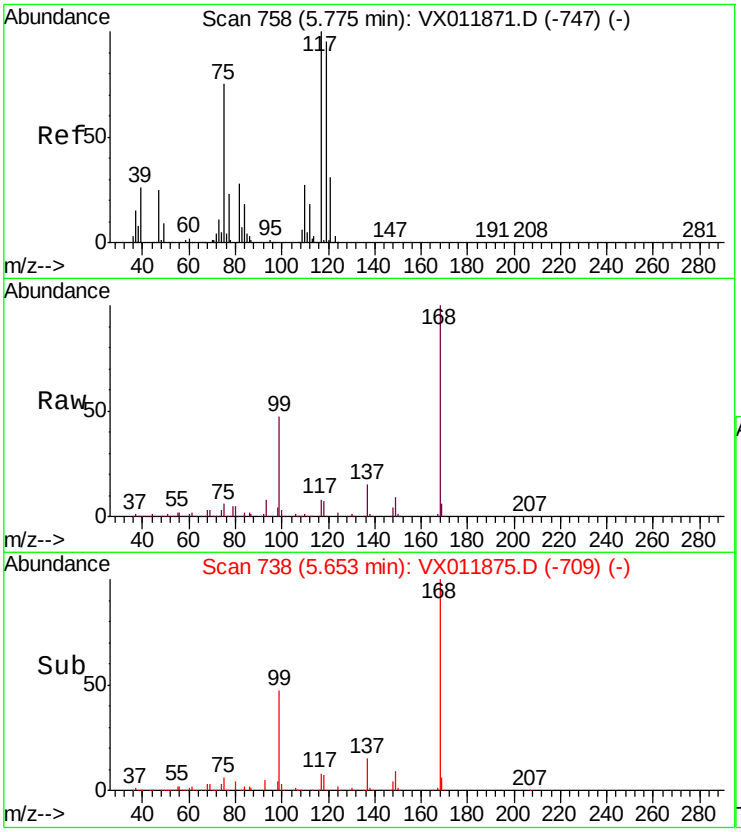


#36
1,1-Dichloropropene
Concen: 5.397 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.14 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 75 Resp: 21383

Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.5	55.5#
77	1.7	24.7	37.1#



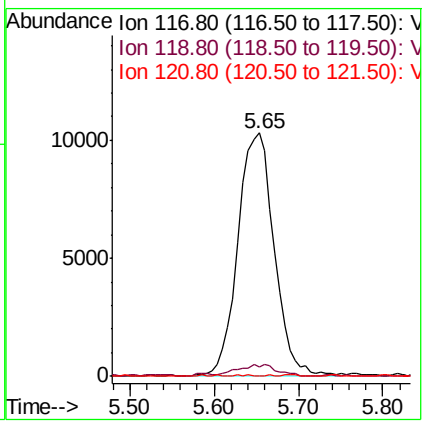


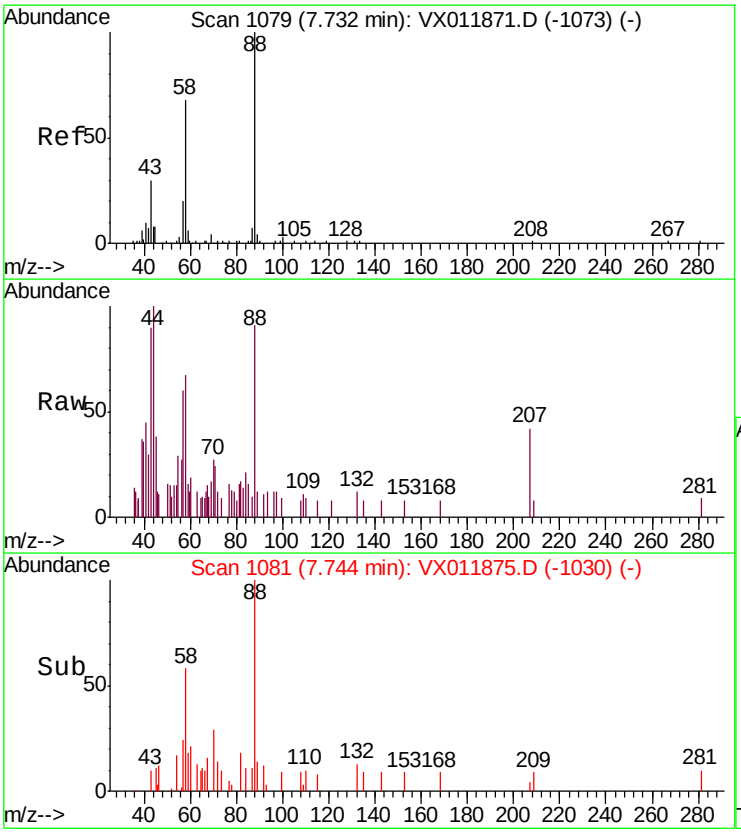
#38
Carbon Tetrachloride
Concen: 7.792 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.12 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 30078

Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.7	113.5#
121	0.0	25.1	37.7#

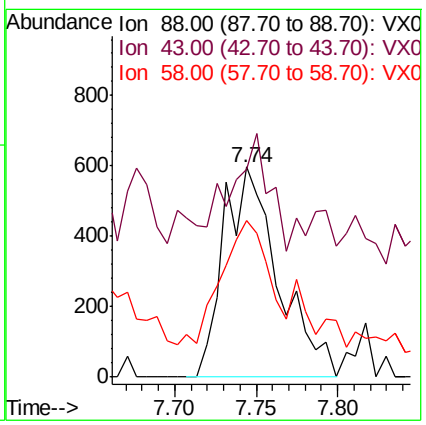


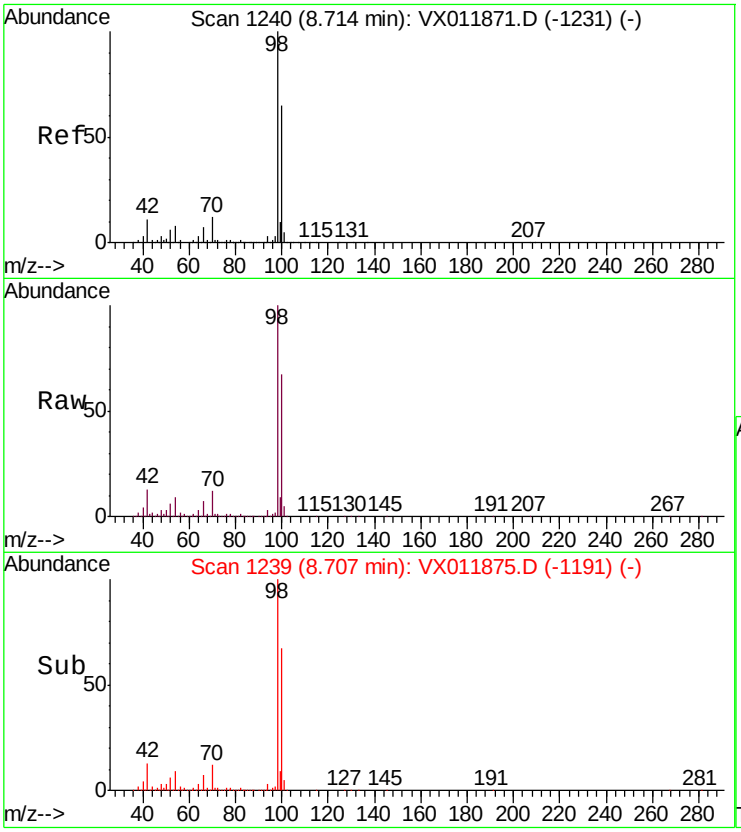


#49
1,4-Dioxane
Concen: 79.609 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 88 Resp: 1404

Ion	Ratio	Lower	Upper
88	100		
43	37.6	33.2	49.8
58	50.2	58.2	87.4#



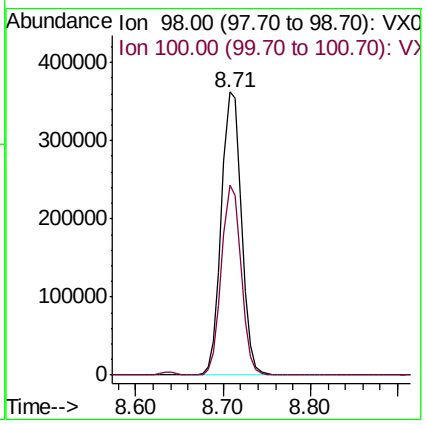


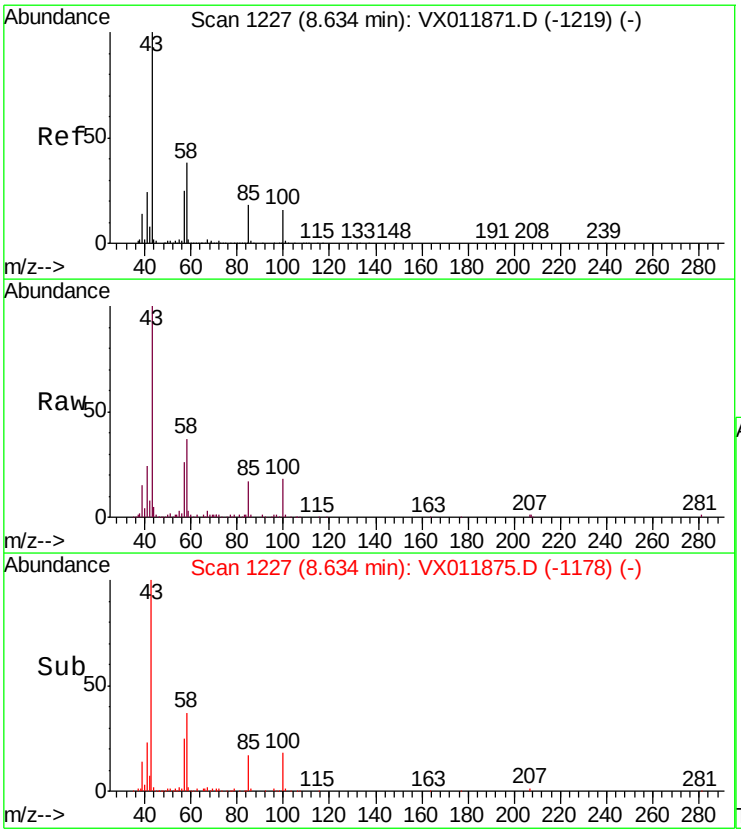
#50
Toluene-d8
Concen: 53.011 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 577586

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3

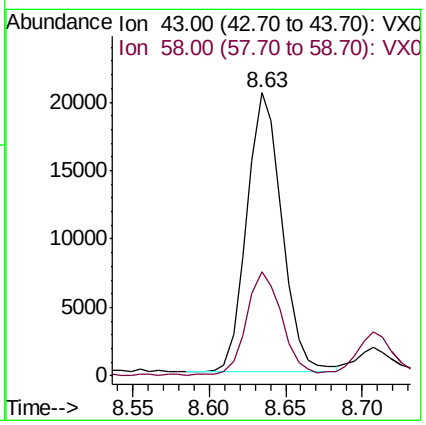


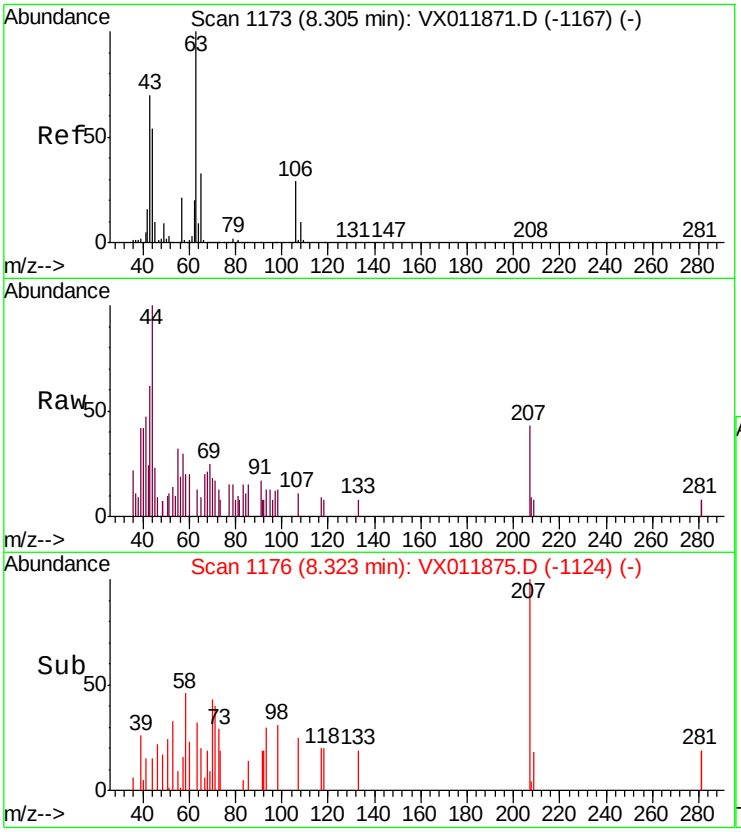


#51
4-Methyl-2-Pentanone
Concen: 24.648 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 43 Resp: 32495

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.8	46.2



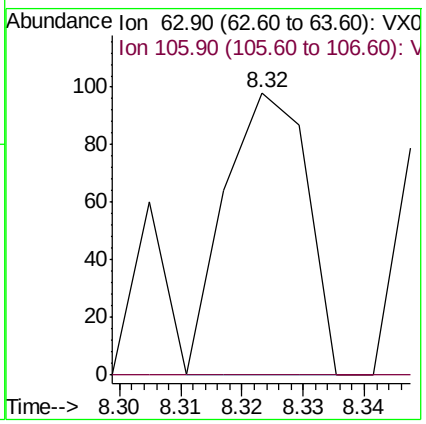


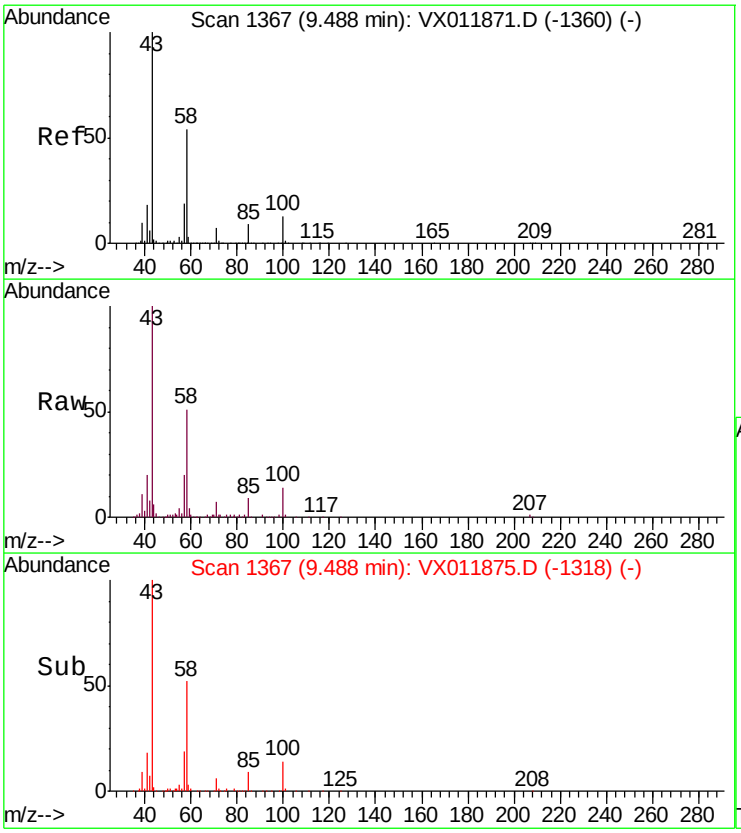
#58
2-Chloroethyl Vinyl ether
Concen: 26.684 ug/l
RT: 8.32 min Scan# 1176
Delta R.T. 0.02 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 63 Resp: 91

Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.6	36.8#

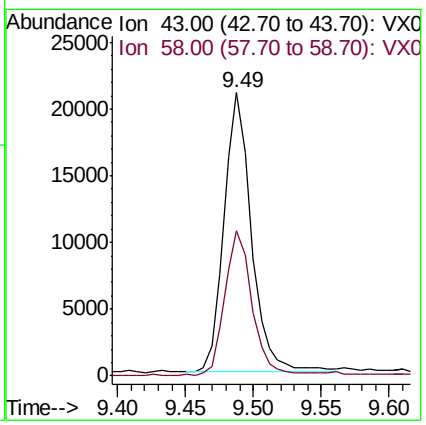


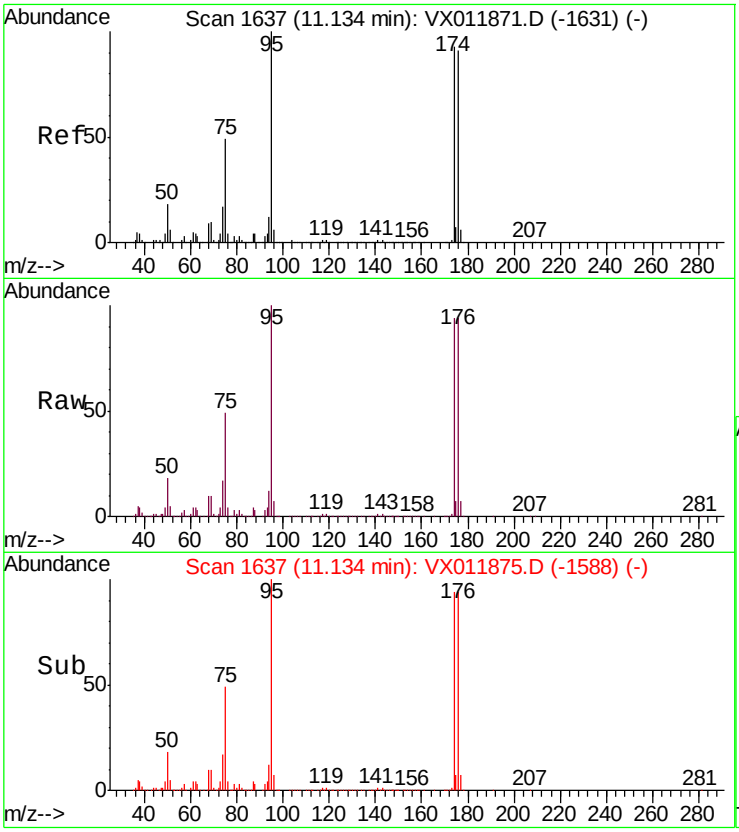


#59
2-Hexanone
Concen: 34.597 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 43 Resp: 29148

Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.7	80.1



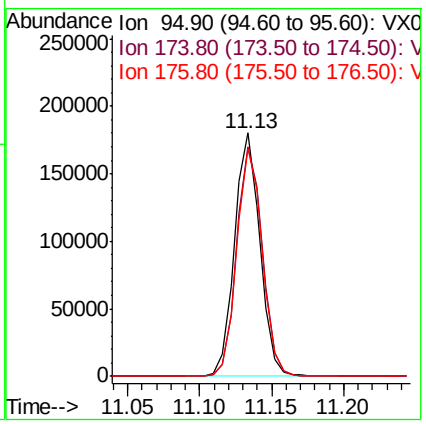


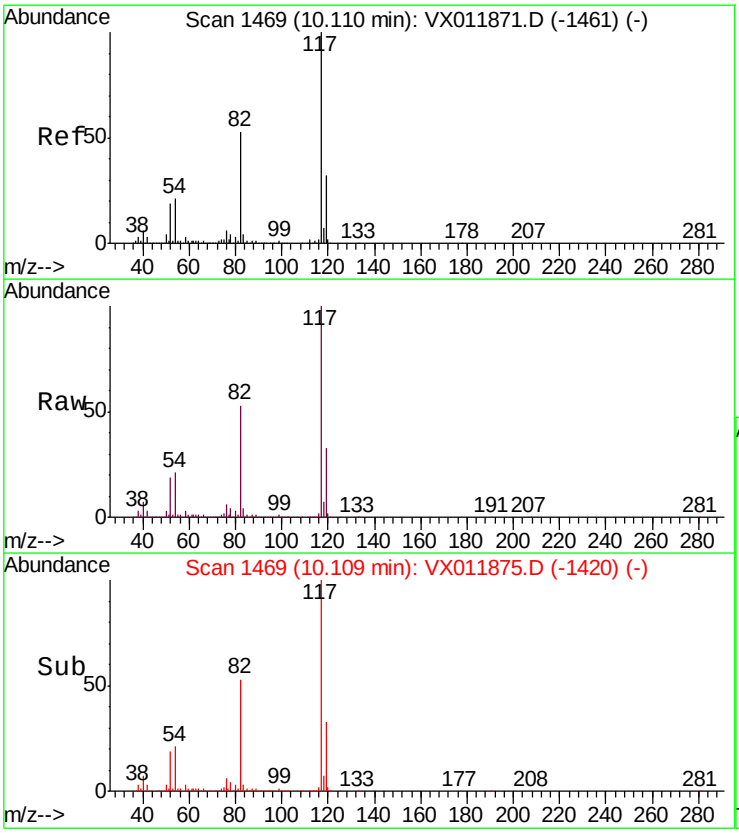
#62
4-Bromofluorobenzene
Concen: 50.887 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 221170

Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	189.2
176	93.7	0.0	185.6

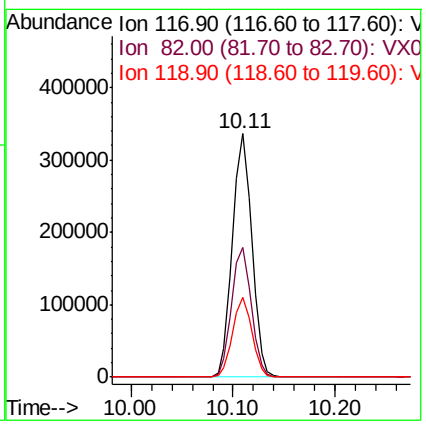


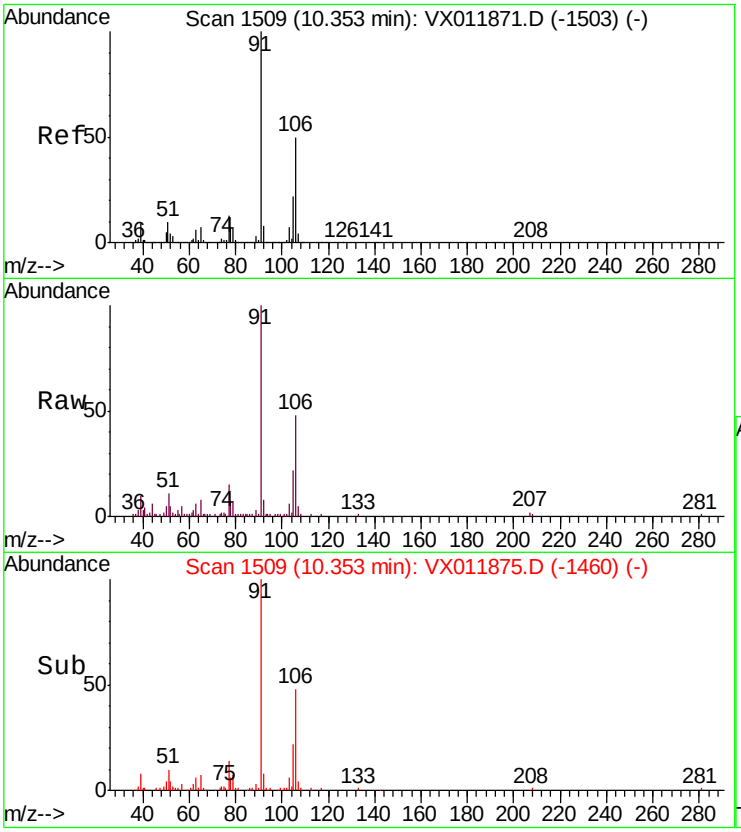


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:117 Resp: 442206

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	32.7	25.5	38.3



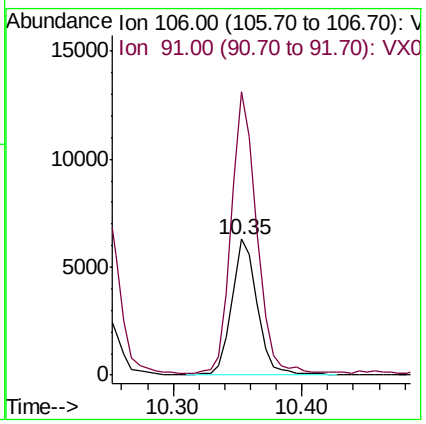


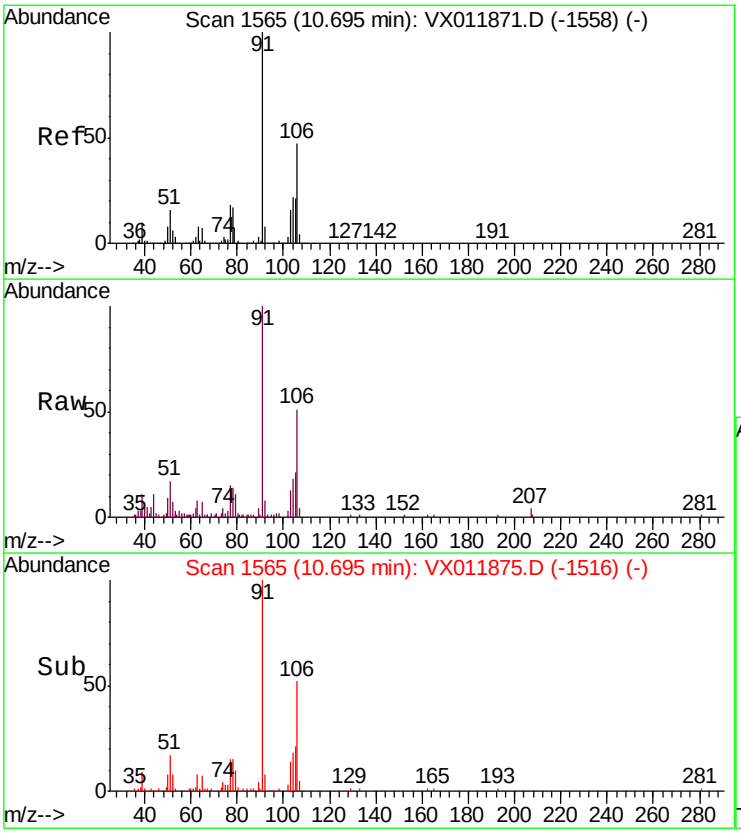
#68
m/p-Xylenes
Concen: 1.637 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 8764

Ion	Ratio	Lower	Upper
106	100		
91	204.8	158.9	238.3

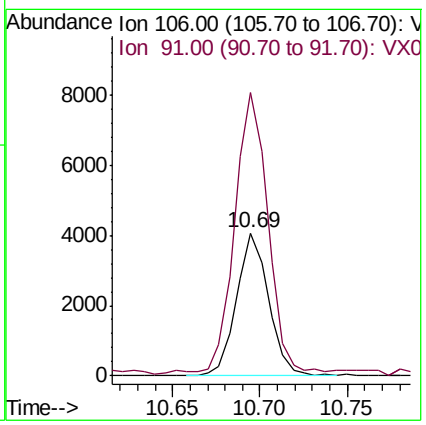


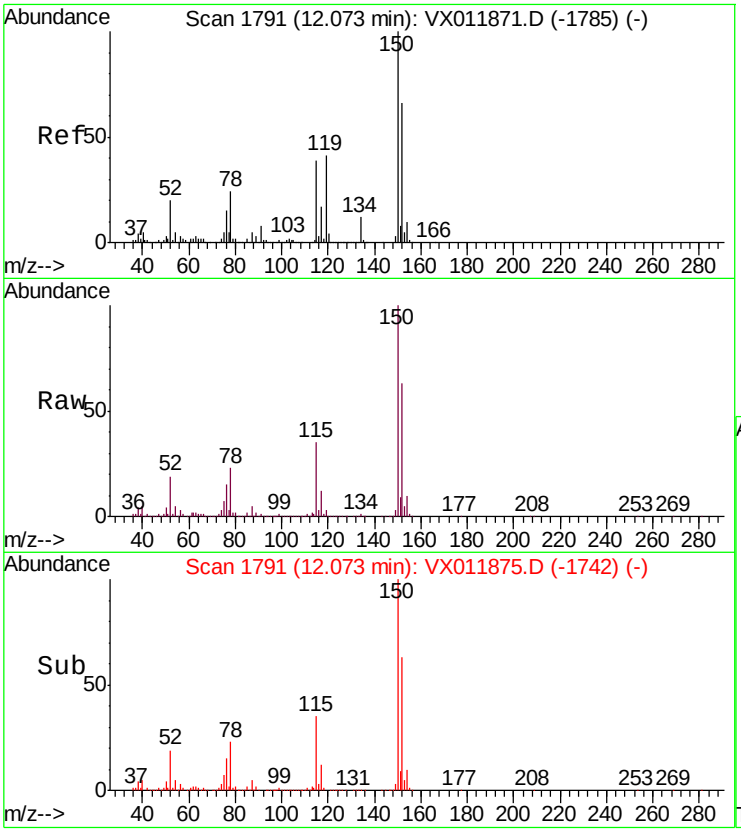


#69
o-Xylene
Concen: 1.033 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:106 Resp: 5205

Ion	Ratio	Lower	Upper
106	100		
91	198.7	105.6	316.8



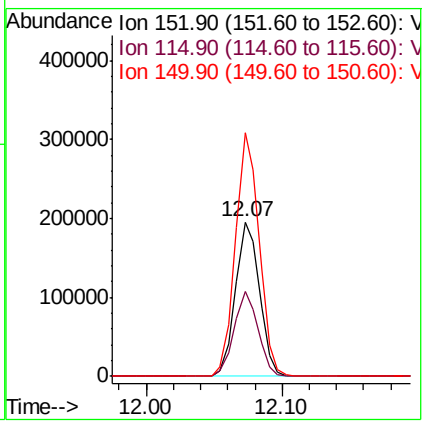


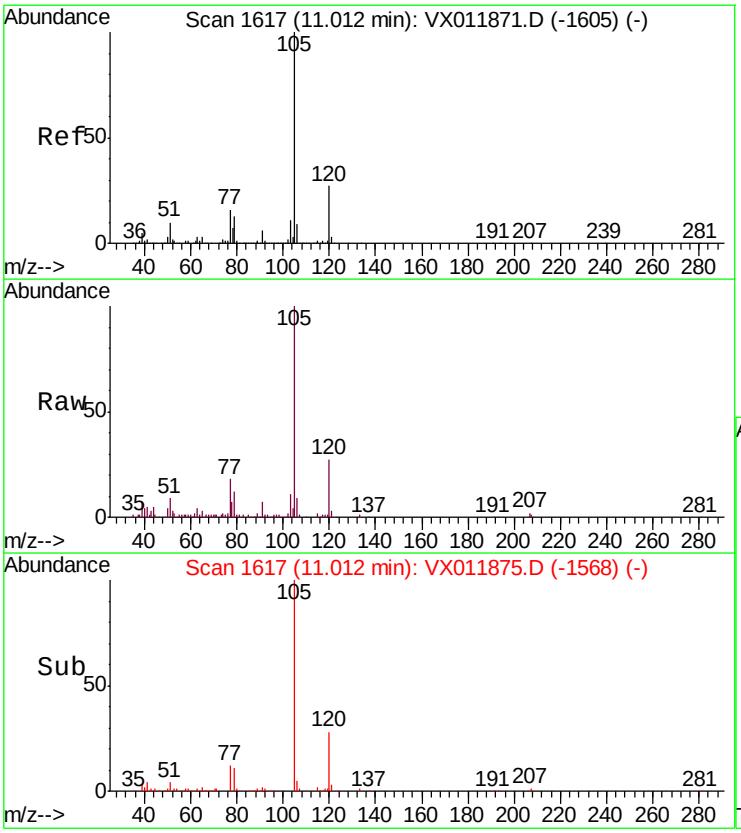
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:152 Resp: 239349

Ion	Ratio	Lower	Upper
152	100		
115	54.9	36.0	108.1
150	156.2	0.0	341.4

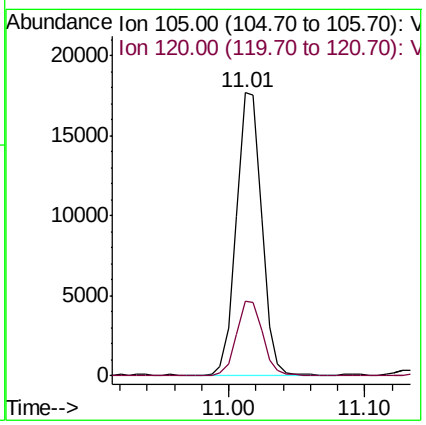


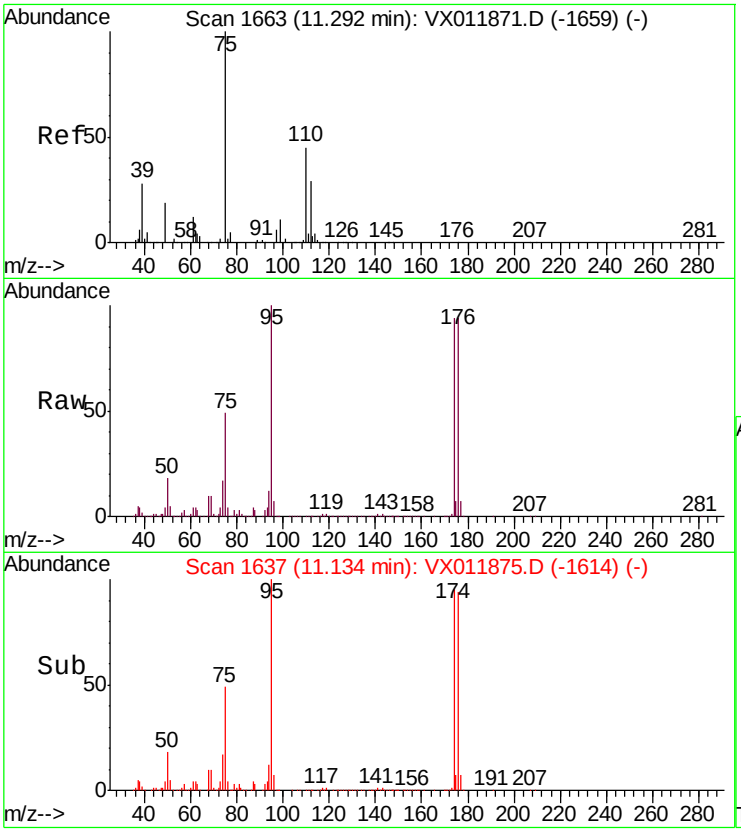


#73
Isopropylbenzene
Concen: 1.671 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:105 Resp: 23095

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.8	41.3



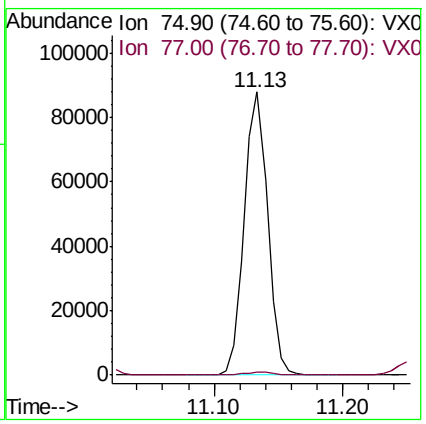


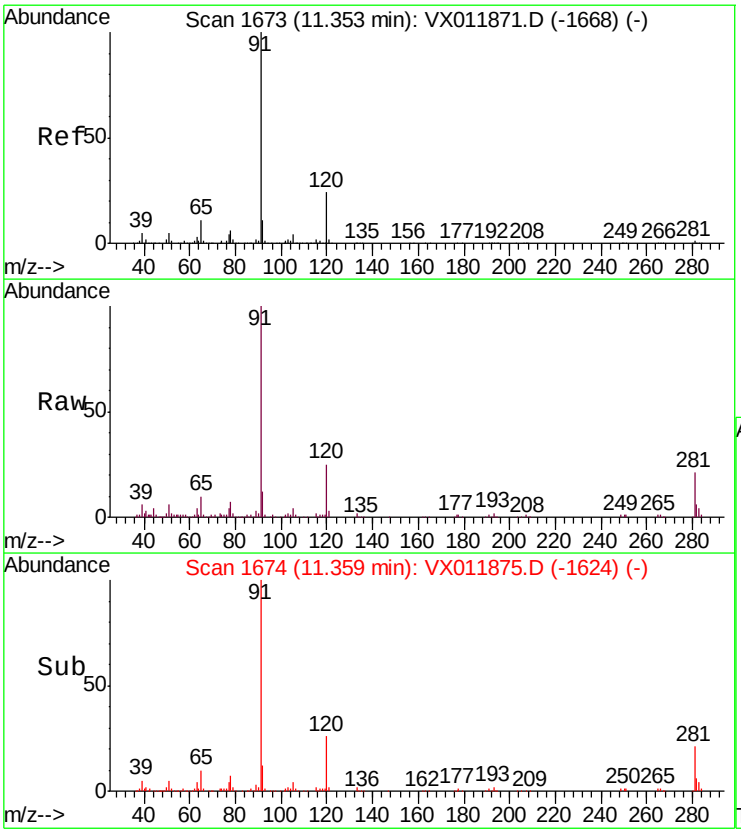
#76
1,2,3-Trichloropropane
Concen: 59.634 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 109630

Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.5	58.5#

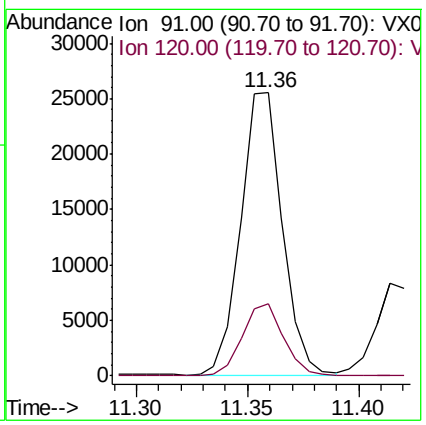


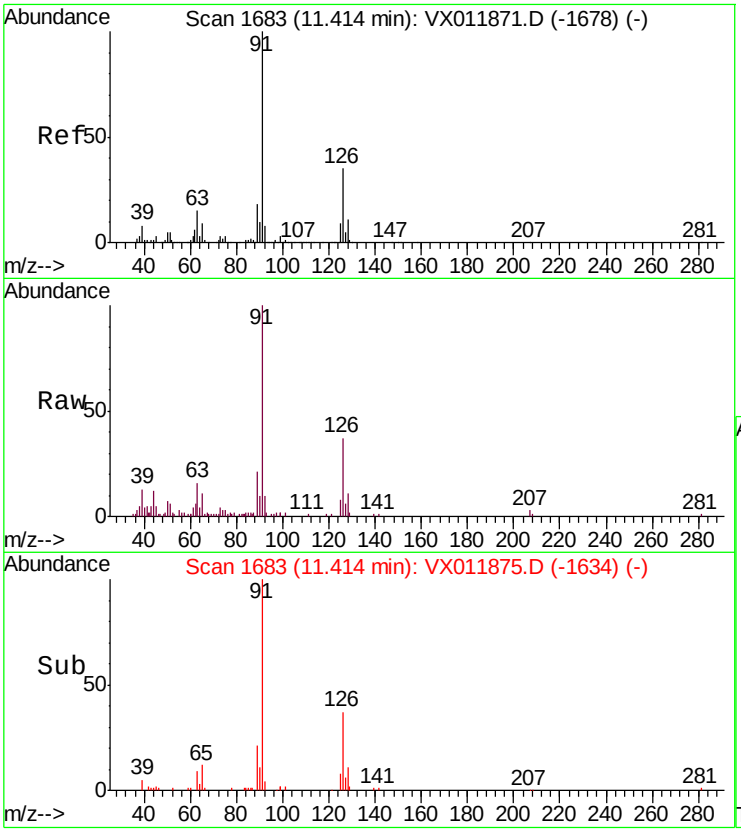


#78
n-propylbenzene
Concen: 2.184 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 91 Resp: 33209

Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.2	36.6



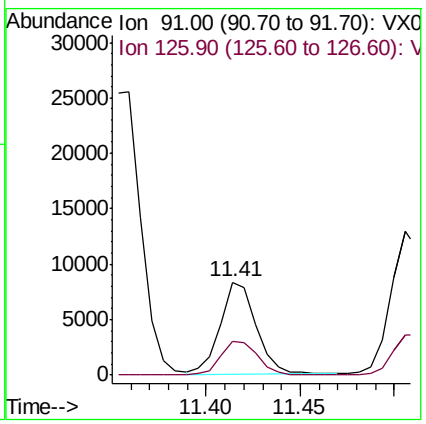


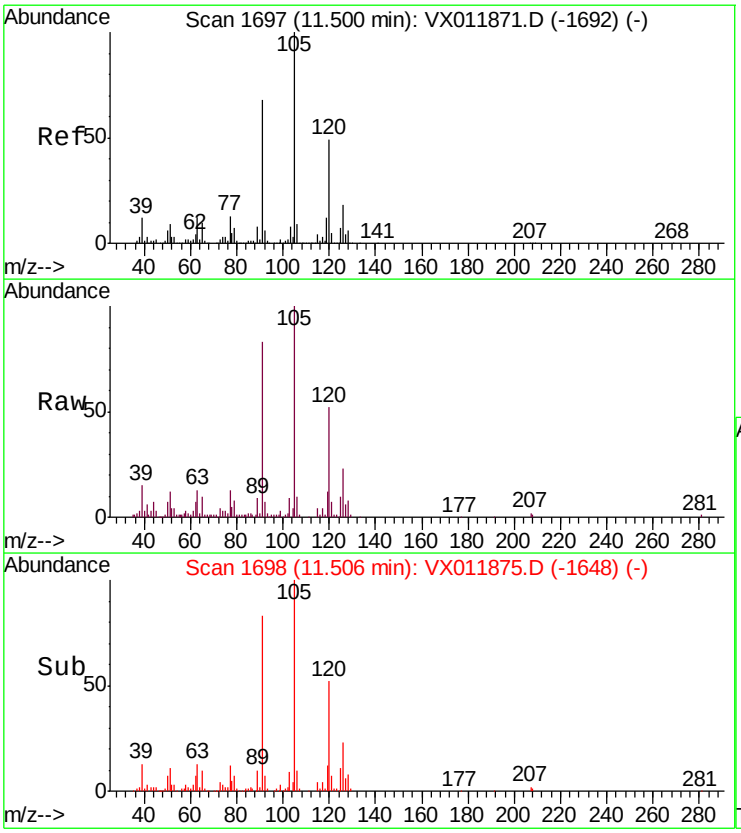
#79
2-Chlorotoluene
Concen: 1.151 ug/l
RT: 11.41 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 10970

Ion	Ratio	Lower	Upper
91	100		
126	38.1	17.9	53.7

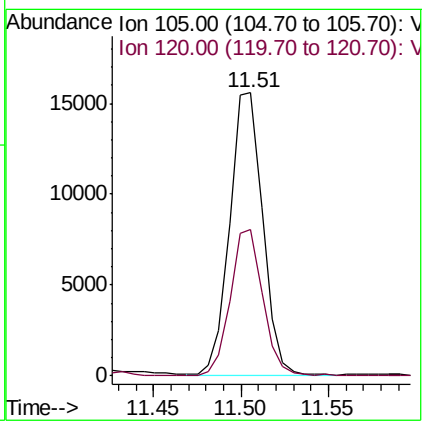


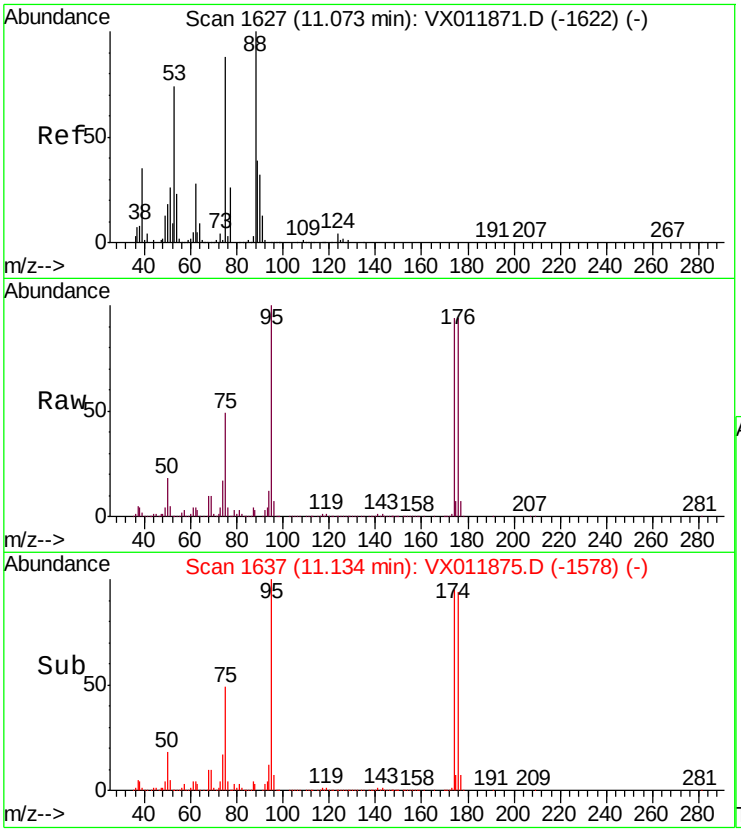


#80
1,3,5-Trimethylbenzene
Concen: 1.759 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:105 Resp: 20395

Ion	Ratio	Lower	Upper
105	100		
120	51.7	24.9	74.8



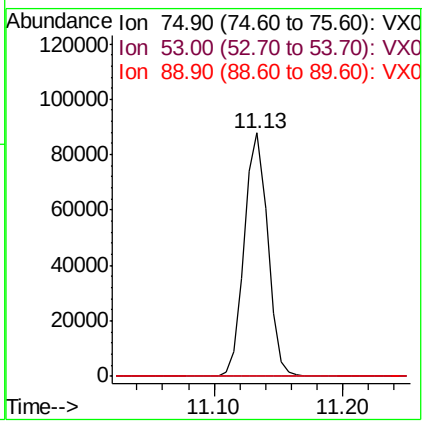


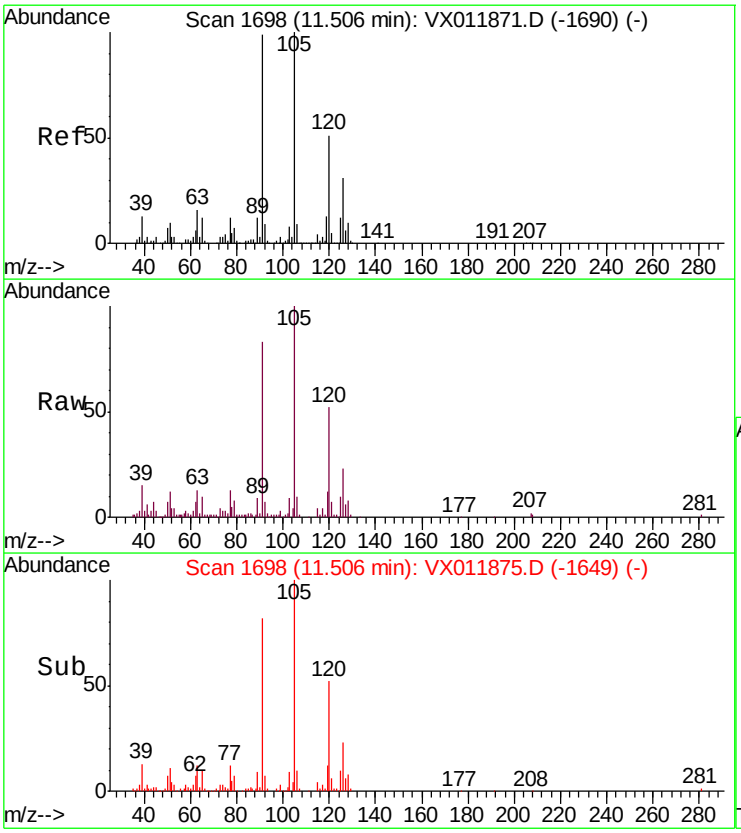
#81
trans-1,4-Dichloro-2-butene
Concen: 219.509 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 109630

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

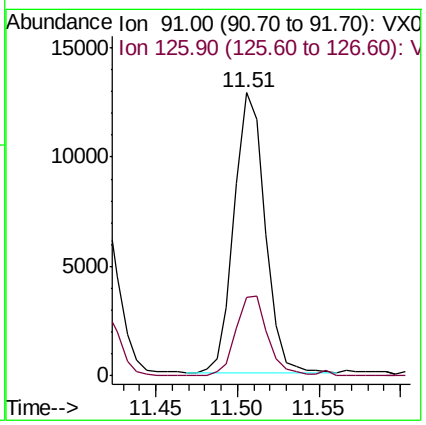


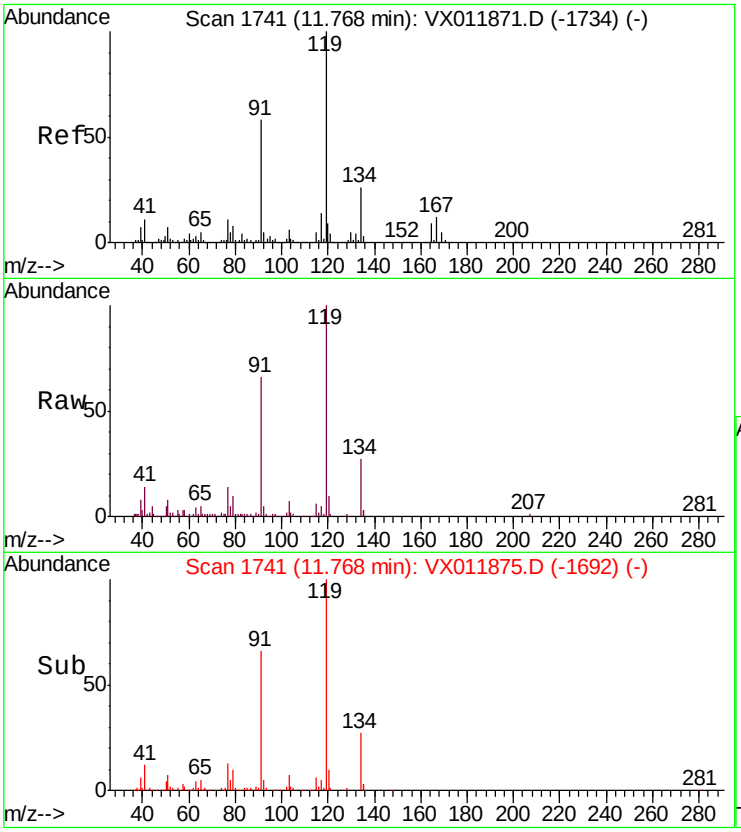


#82
4-Chlorotoluene
Concen: 1.541 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion: 91 Resp: 17021

Ion	Ratio	Lower	Upper
91	100		
126	29.5	15.4	46.2



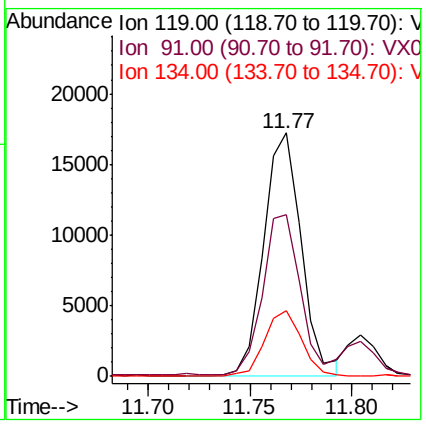


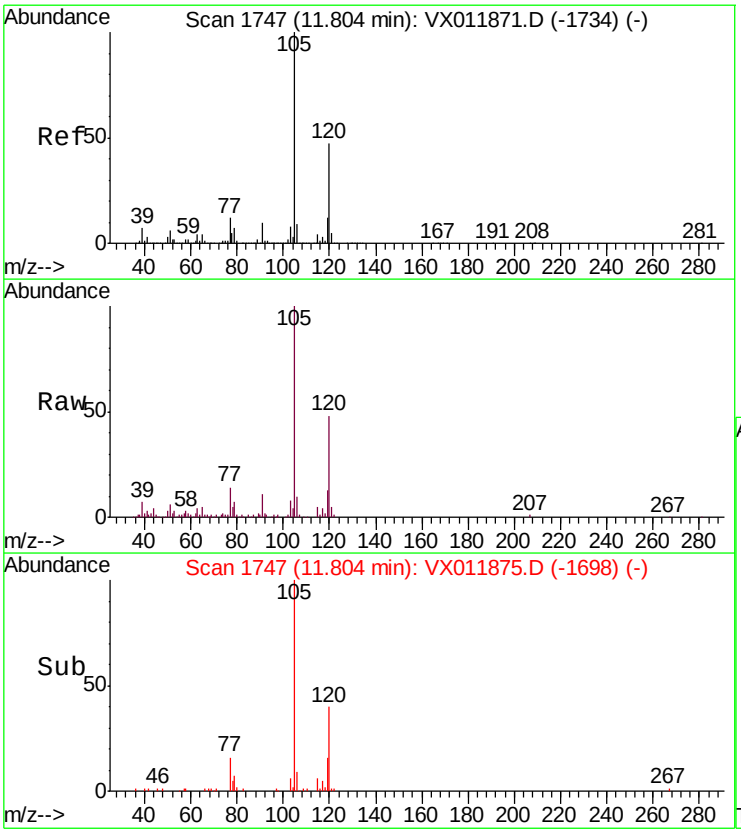
#83
tert-Butylbenzene
Concen: 2.063 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 22235

Ion	Ratio	Lower	Upper
119	100		
91	64.9	28.6	85.8
134	26.5	12.4	37.2

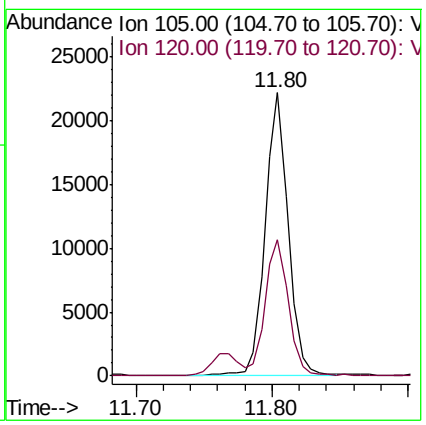


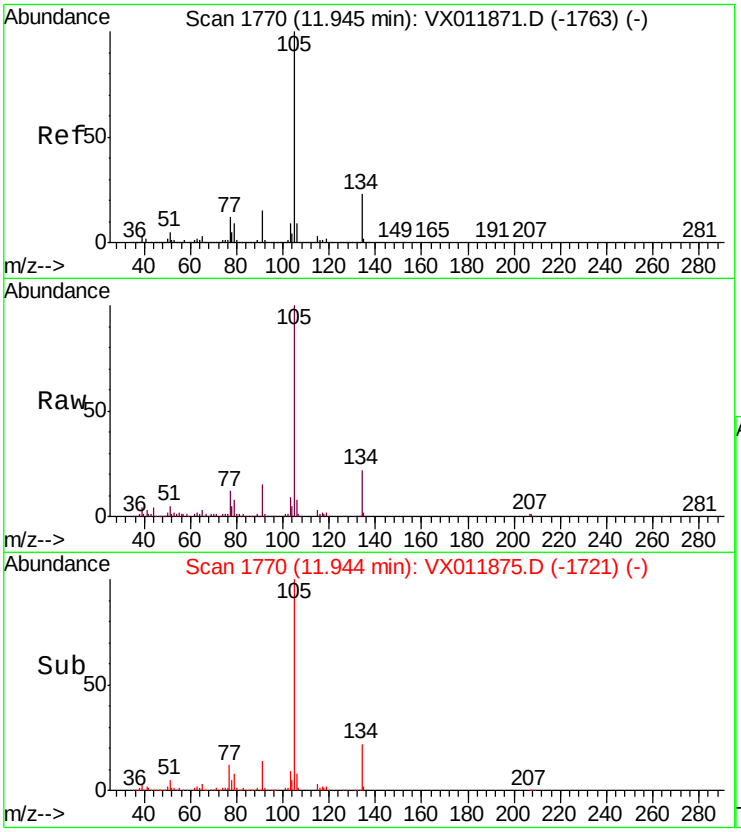


#84
1,2,4-Trimethylbenzene
Concen: 2.400 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:105 Resp: 26395

Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.4	70.0



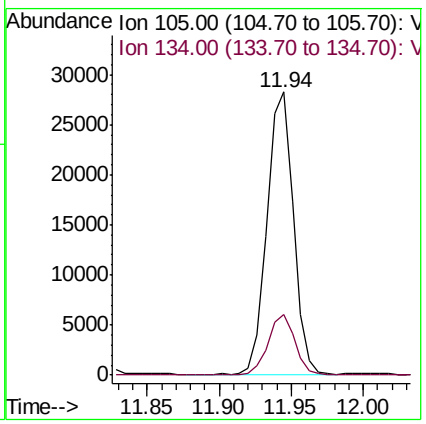


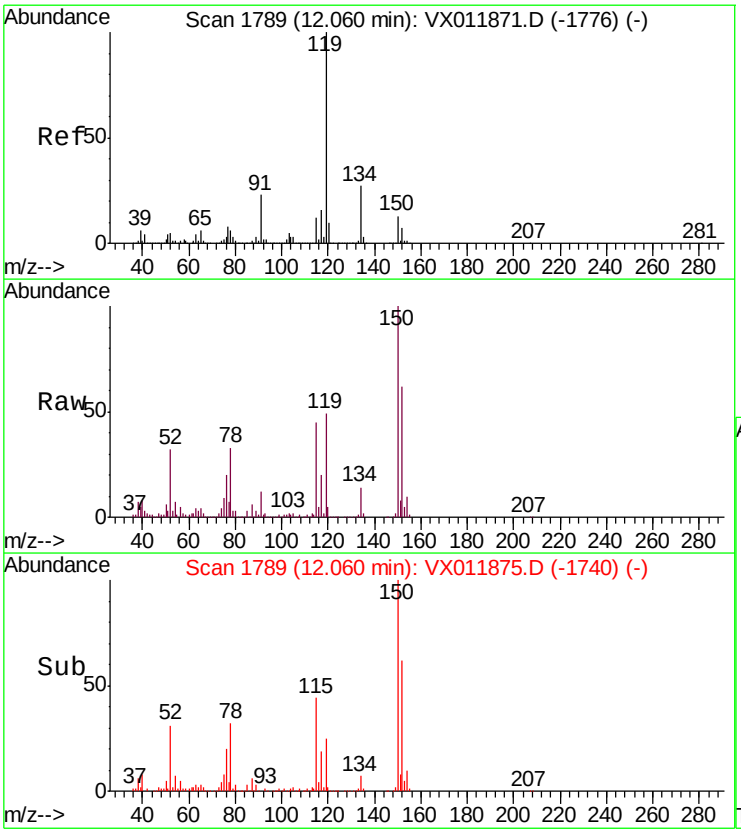
#85
sec-Butylbenzene
Concen: 2.883 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 36095

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.9	32.9

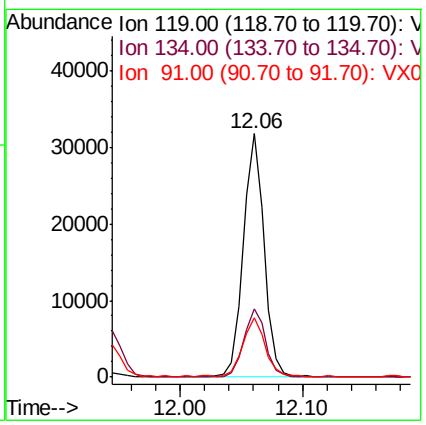


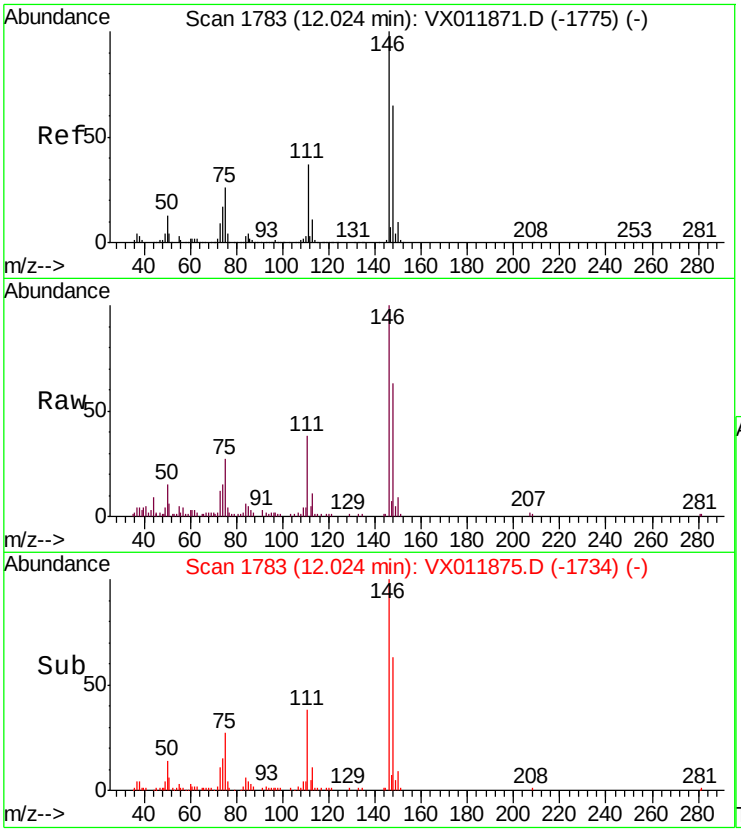


#86
p-Isopropyltoluene
Concen: 3.242 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:119 Resp: 37382

Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.5	40.5
91	26.1	11.7	35.0



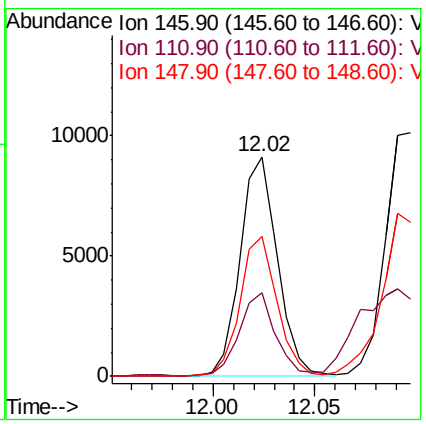


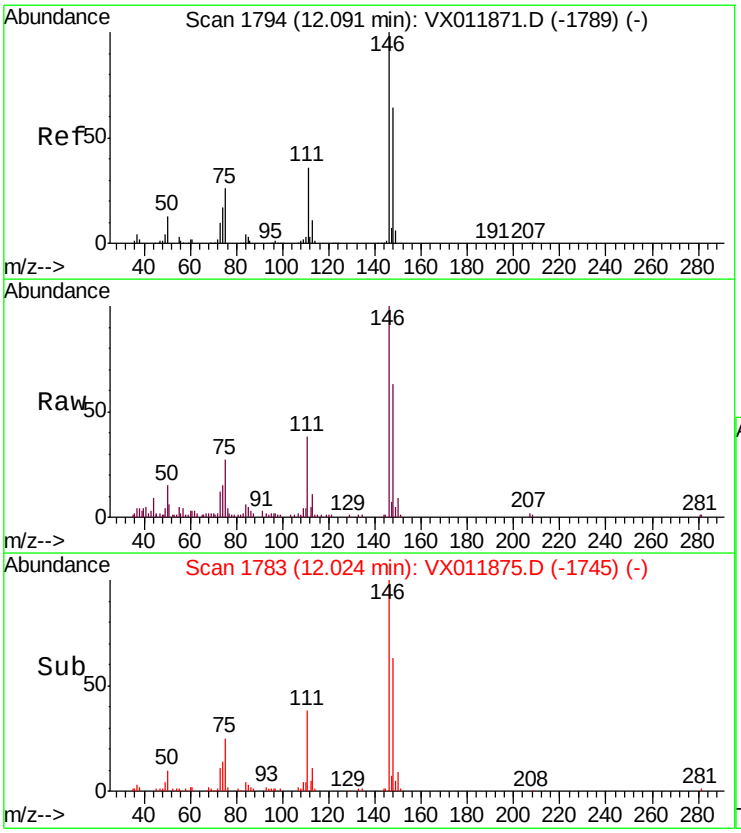
#87
1,3-Dichlorobenzene
Concen: 1.682 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 11639

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	63.5	32.0	96.2

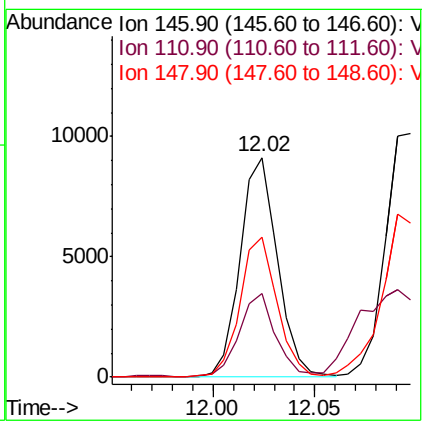


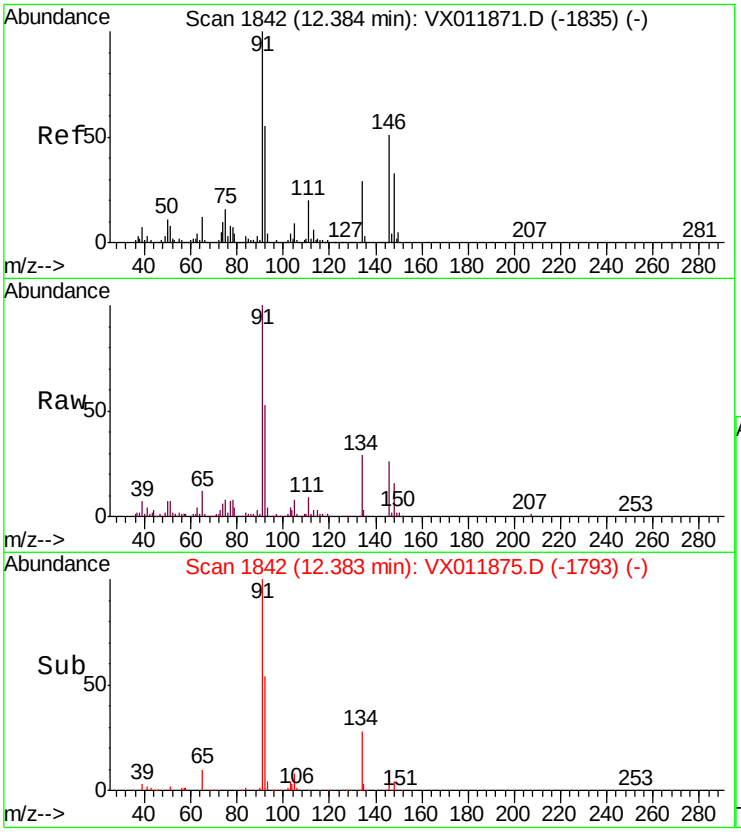


#88
1,4-Dichlorobenzene
Concen: 1.737 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.07 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:146 Resp: 11639

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	63.5	32.3	96.8



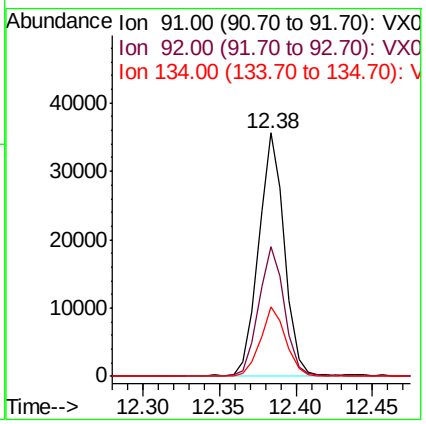


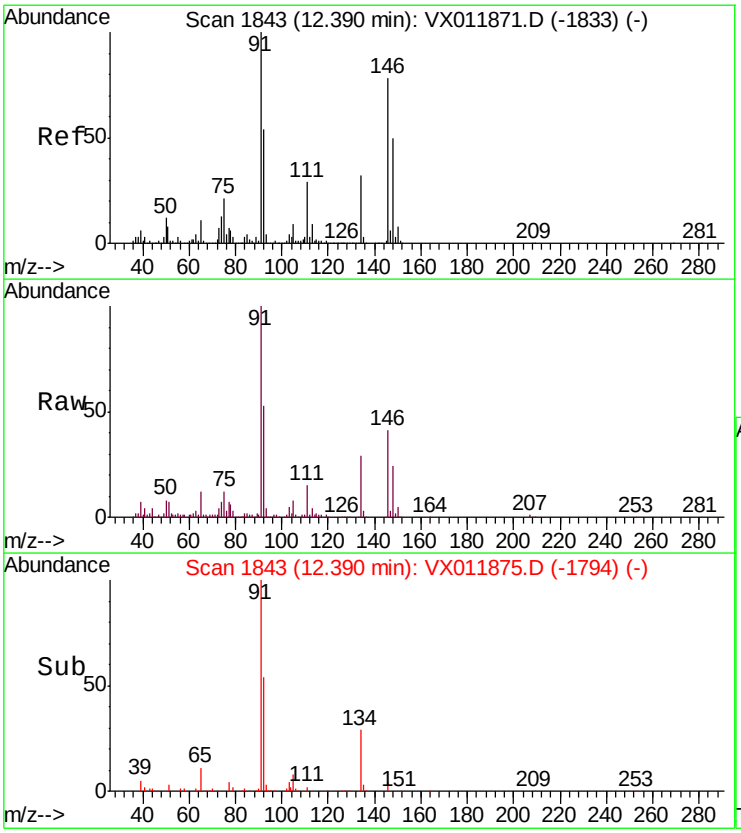
#89
n-Butylbenzene
Concen: 4.327 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 41392

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	28.6	14.4	43.4

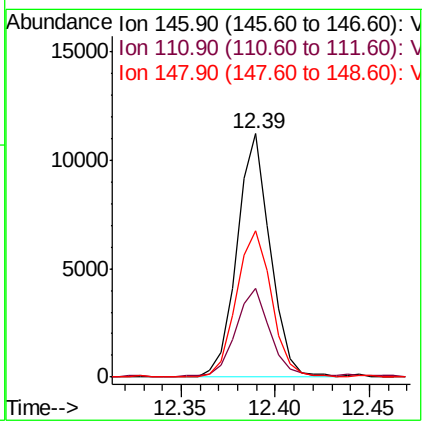


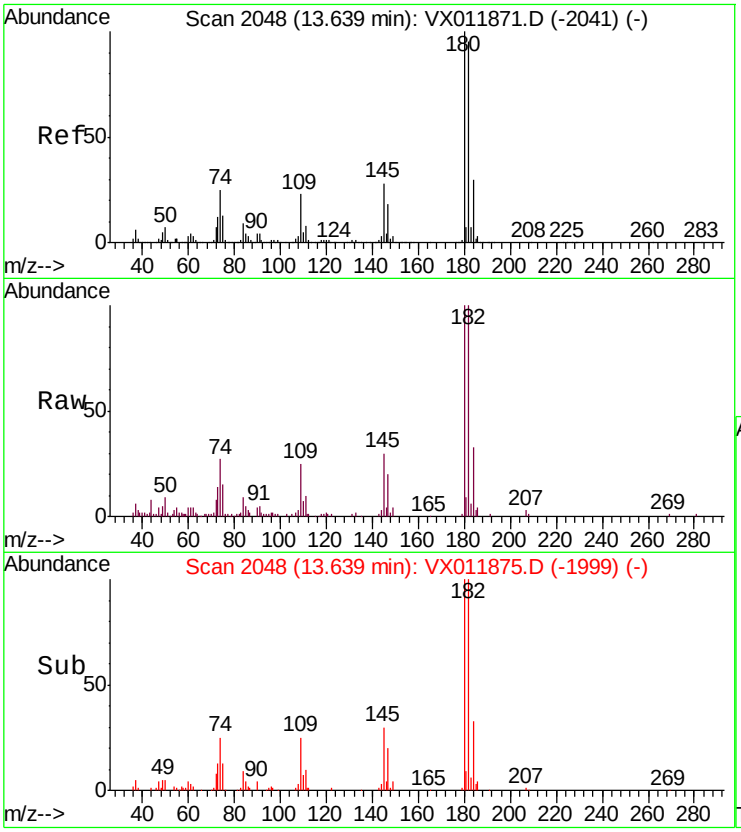


#91
1,2-Dichlorobenzene
Concen: 2.314 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:146 Resp: 13671

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.8	32.0	96.0



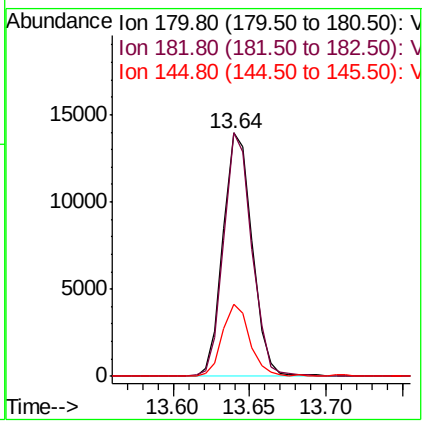


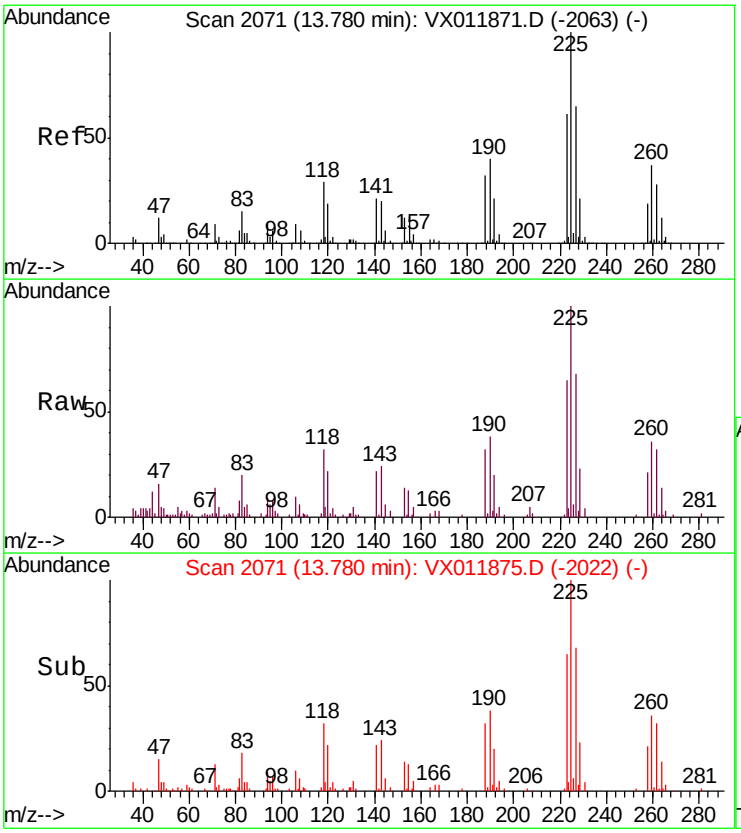
#93
1,2,4-Trichlorobenzene
Concen: 4.482 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 18375

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	28.0	13.8	41.4

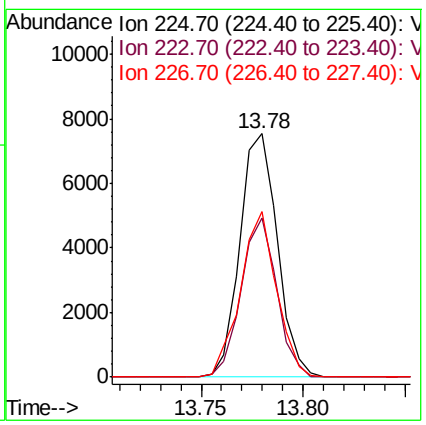


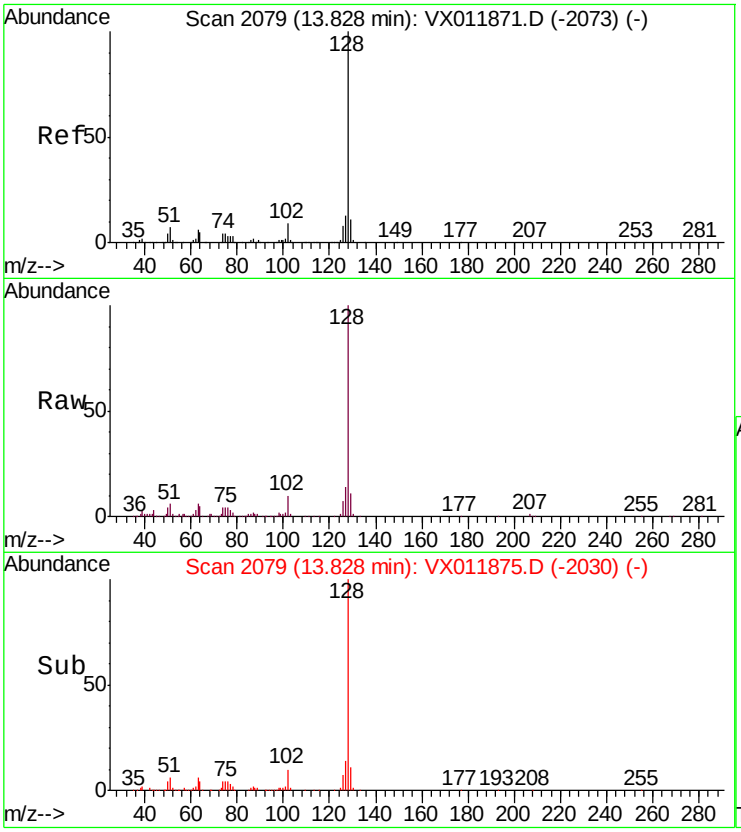


#94
Hexachlorobutadiene
Concen: 3.226 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:225 Resp: 9641

Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.8
227	65.6	32.5	97.5



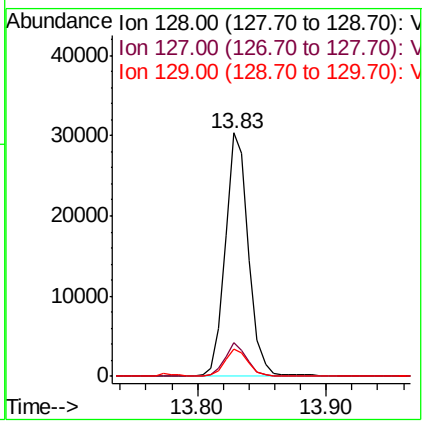


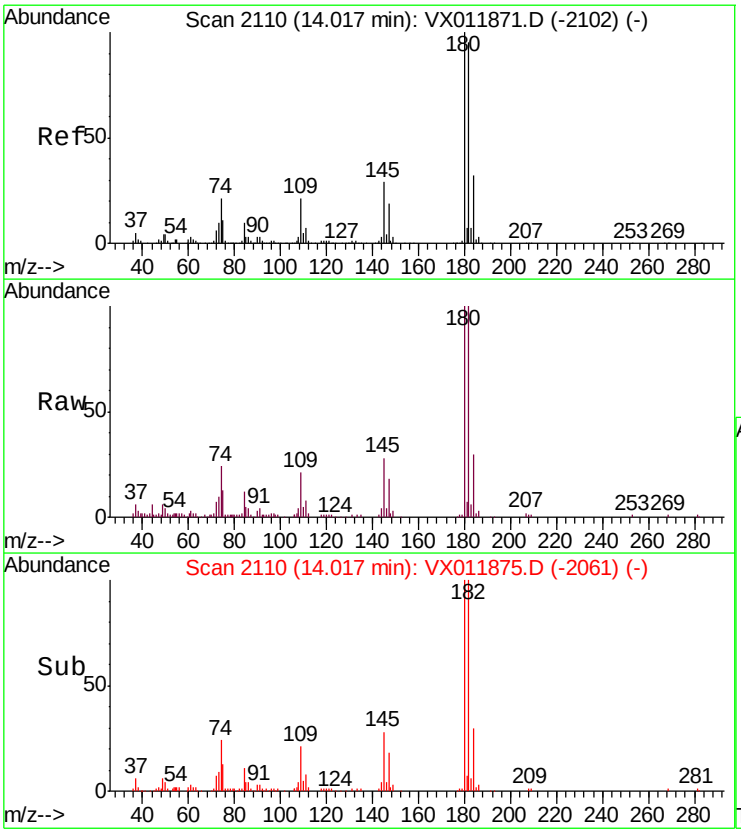
#95
Naphthalene
Concen: 7.802 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 38457

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.5	9.0	13.4





#96
1,2,3-Trichlorobenzene
Concen: 5.351 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011875.D
Acq: 28 Aug 2019 18:21

Tgt Ion:180 Resp: 17798

Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.9	143.7
145	31.3	14.9	44.7