Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Time: Aug 21 04:30:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.04	168	195894	50.00	ug/l		-0.01
34) 1,4-Difluorobenzene	5.77	114	274843	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.92	117	288459	50.00	ug/l		-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	181216	50.00	ug/l		-0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.02	65	151408	40.04	ug/l		0.00
Spiked Amount 50.000			Recovery = 80.08%				
35) Dibromofluoromethane	4.30	113	14892	5.30	ug/l		-0.01
Spiked Amount 50.000			Recovery = 10.60%				
50) Toluene-d8	7.72	98	314868	50.41	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.82%				
62) 4-Bromofluorobenzene	11.51	95	167271	43.64	ug/l		-0.01
Spiked Amount 50.000			Recovery = 87.28%				
Target Compounds							Qvalue
3) Chloromethane	1.08	50	1412	Below Cal		#	69
5) Bromomethane	1.33	94	901	Below Cal			90
13) Acrolein	2.11	56	229	14.50	ug/l		99
16) Acetone	2.33	43	3829	Below Cal			98
18) Methyl Acetate	2.45	43	421	Below Cal		#	63
20) Methylene Chloride	2.28	84	6595	Below Cal			85
25) 2-Butanone	4.50	43	918	1.00	ug/l	#	63
51) 4-Methyl-2-Pentanone	8.43	43	7948	4.47	ug/l	#	55
56) Ethyl methacrylate	8.77	69	9687	5.26	ug/l	#	87
68) m/p-Xylenes	10.27	106	46114	12.88	ug/l		94
69) o-Xylene	10.83	106	30803	8.39	ug/l		93
73) Isopropylbenzene	11.23	105	16028	1.48	ug/l		99
74) N-amyl acetate	11.37	43	27041	8.77	ug/l	#	11
75) 1,1,2,2-Tetrachloroethane	11.76	83	7609	3.57	ug/l	#	1
76) 1,2,3-Trichloropropane	11.91	75	2061	1.09	ug/l	#	1
78) n-propylbenzene	11.69	91	48349	3.58	ug/l		99
79) 2-Chlorotoluene	11.81	91	32030	3.91	ug/l	#	46
80) 1,3,5-Trimethylbenzene	11.91	105	131938	13.43	ug/l		99
82) 4-Chlorotoluene	11.91	91	14967	1.67	ug/l	#	46
84) 1,2,4-Trimethylbenzene	12.29	105	404376	39.10	ug/l		99
85) sec-Butylbenzene	12.39	105	35456	2.78	ug/l		88
86) p-Isopropyltoluene	12.52	119	73796	6.54	ug/l		95
89) n-Butylbenzene	12.92	91	56177	5.15	ug/l		90
95) Naphthalene	14.53	128	56147	8.83	ug/l		98

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

Quantitation Report (Not Reviewed)

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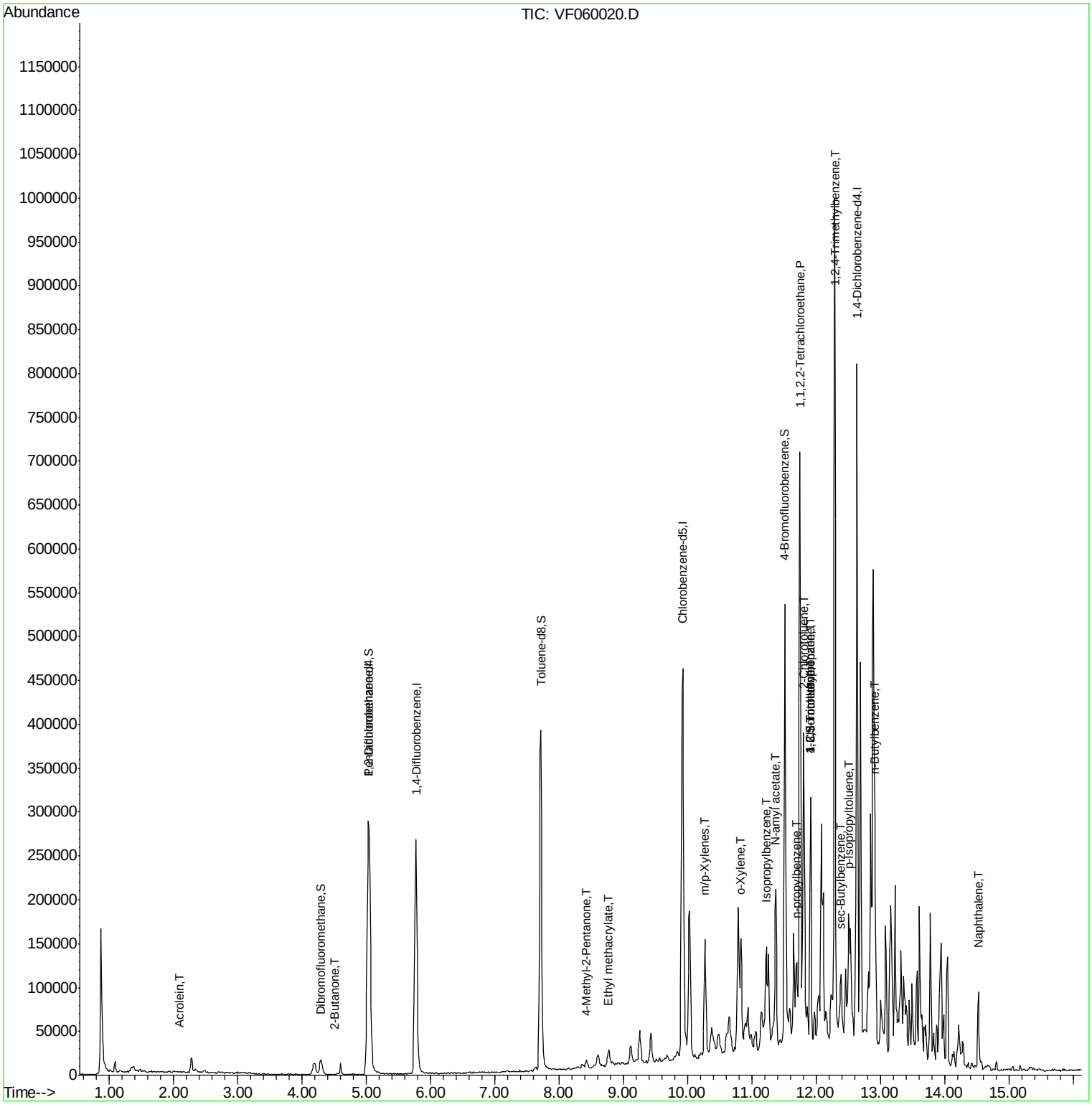
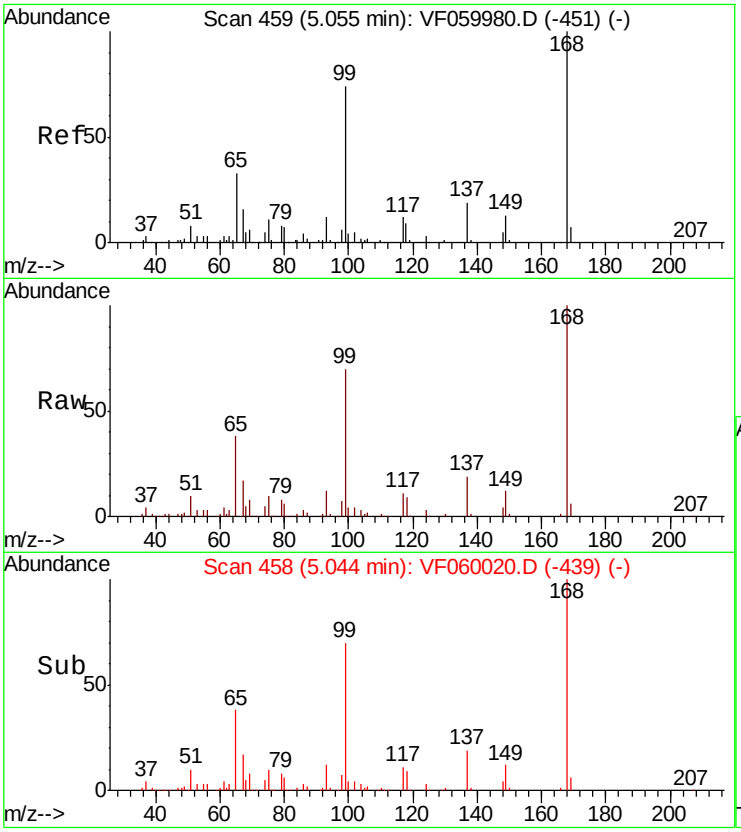
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Time: Aug 21 04:30:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration



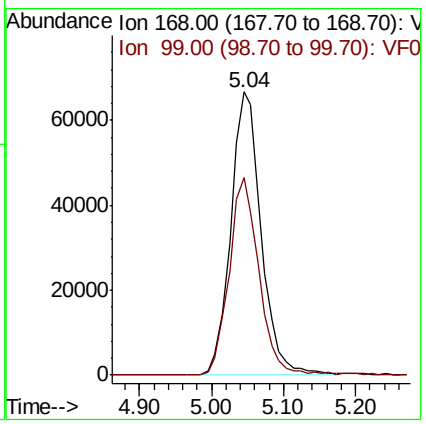


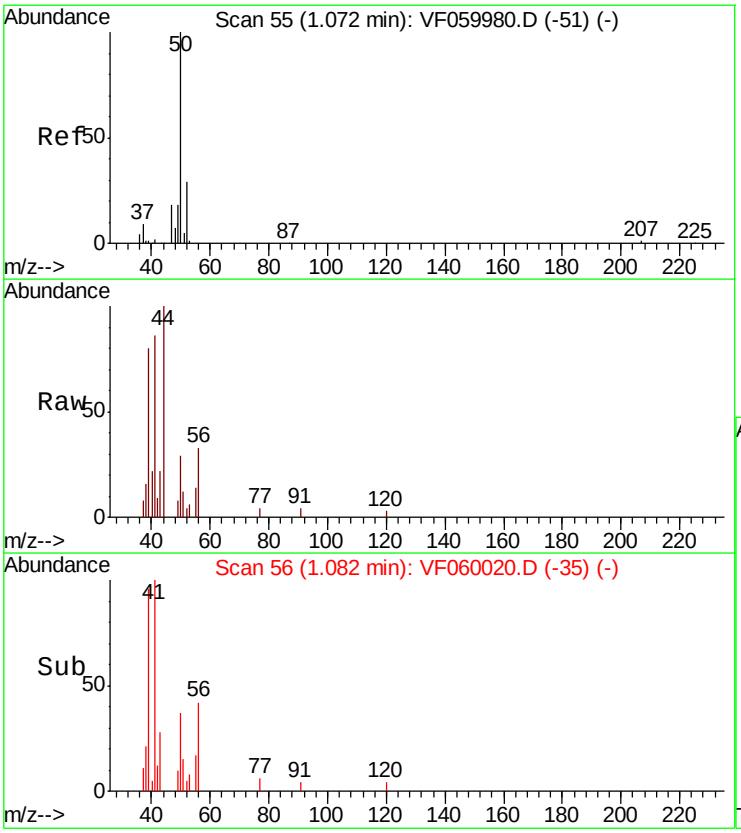
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.04 min Scan# 458
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion:168 Resp: 195894

Ion	Ratio	Lower	Upper
168	100		
99	69.8	59.0	88.6

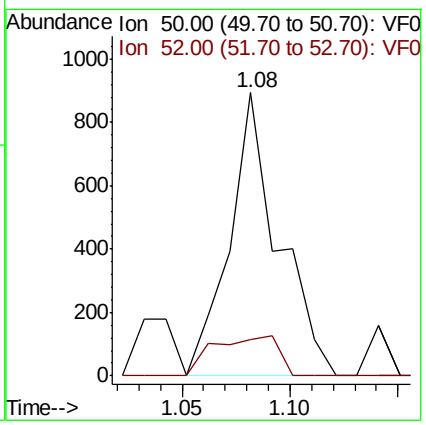


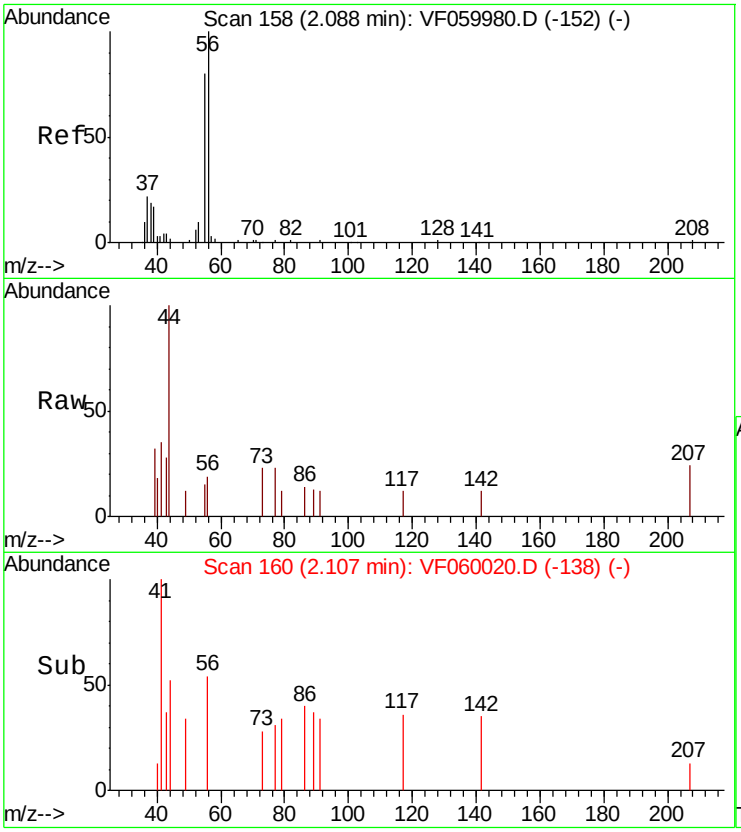


#3
Chloromethane
Concen: Below Cal
RT: 1.08 min Scan# 56
Delta R.T. 0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 50 Resp: 1412

Ion	Ratio	Lower	Upper
50	100		
52	12.9	23.6	35.4#



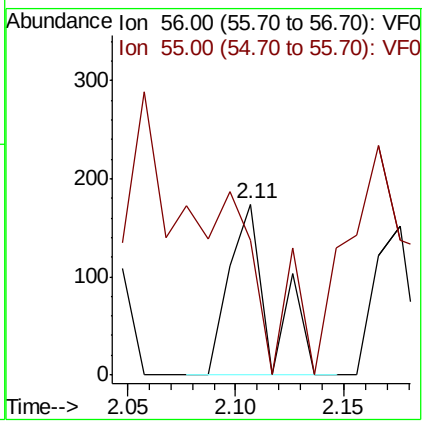


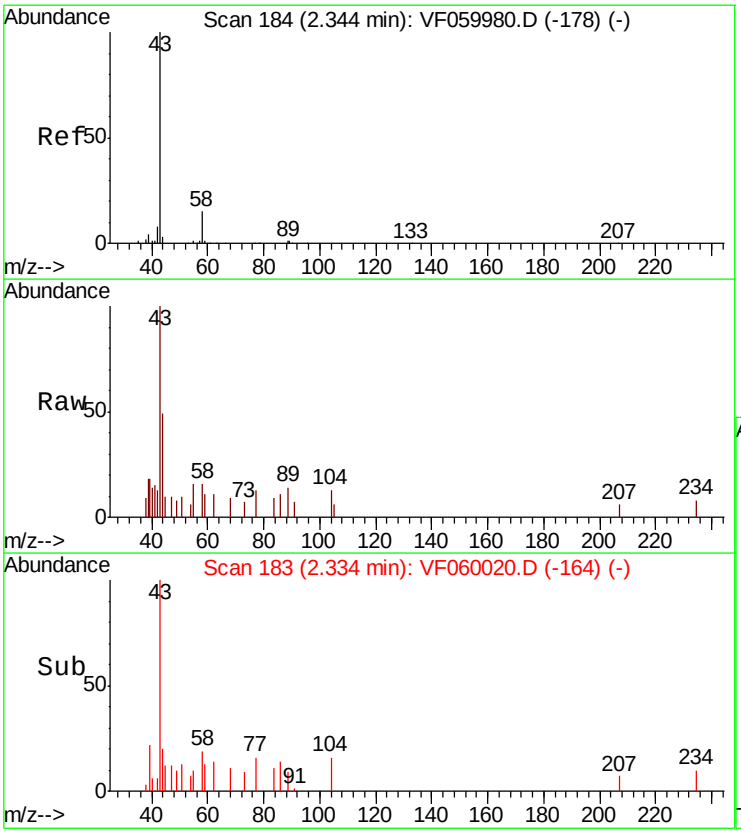
#13
Acrolein
Concen: 14.50 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion: 56 Resp: 229

Ion	Ratio	Lower	Upper
56	100		
55	78.7	63.8	95.6

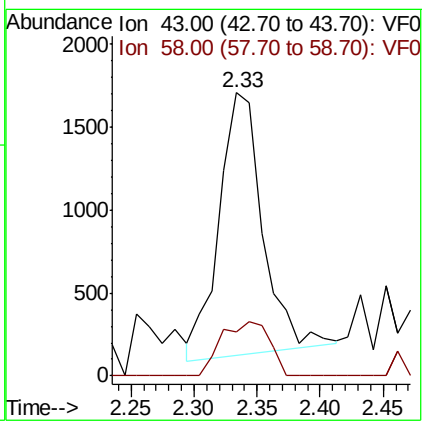


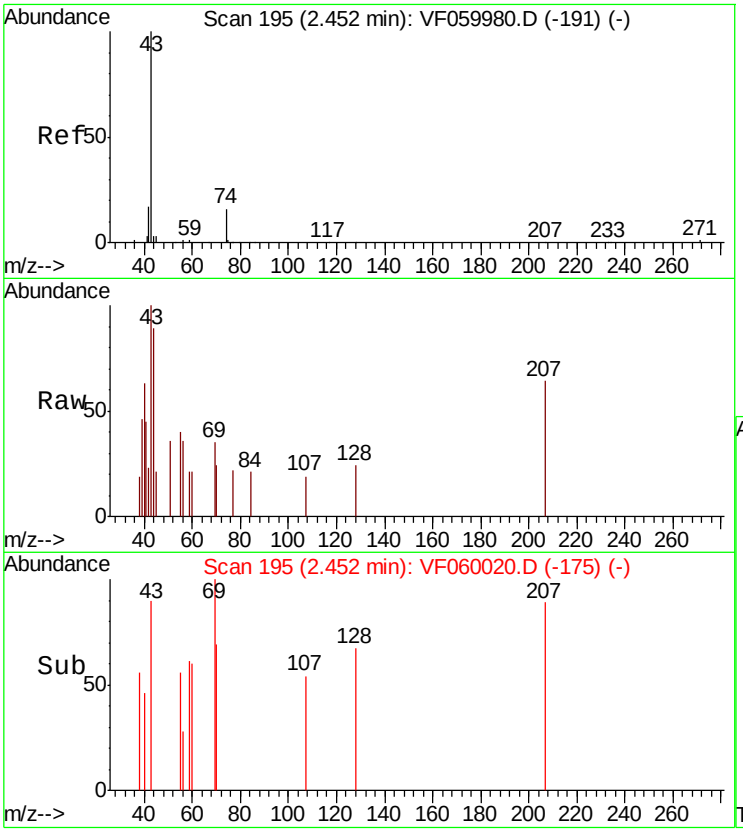


#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 43 Resp: 3829

Ion	Ratio	Lower	Upper
43	100		
58	15.8	11.9	17.9



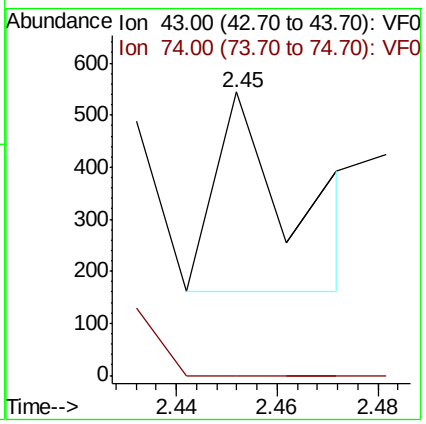


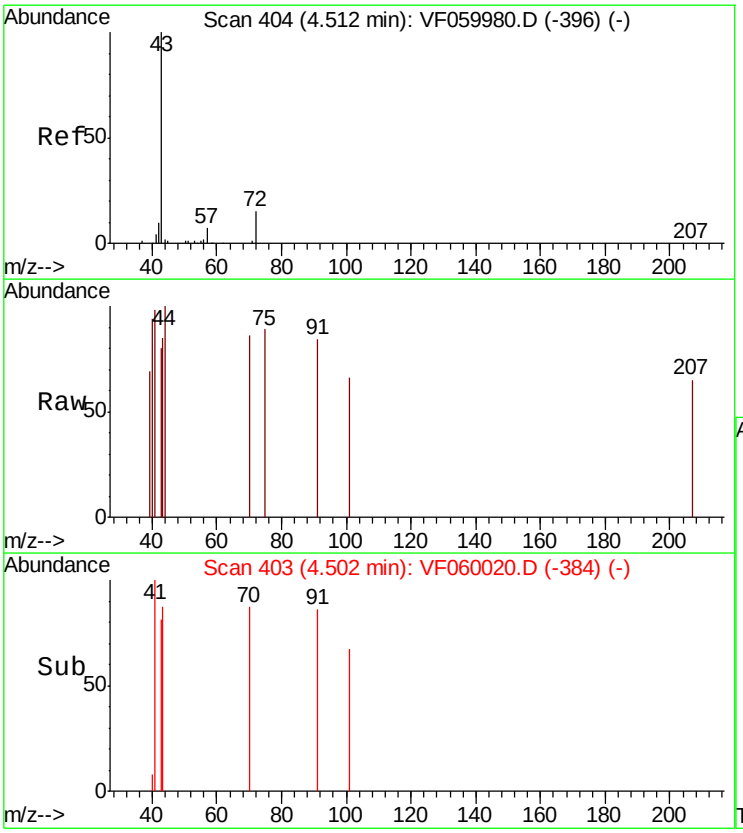
#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion: 43 Resp: 421

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.3	18.5#

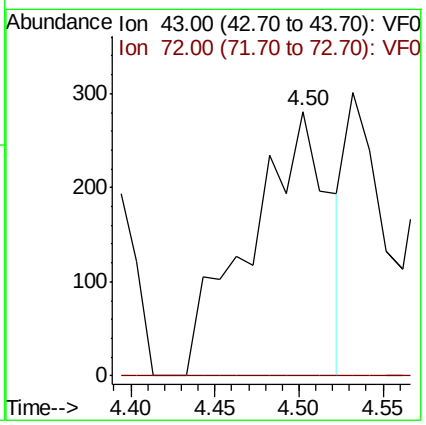


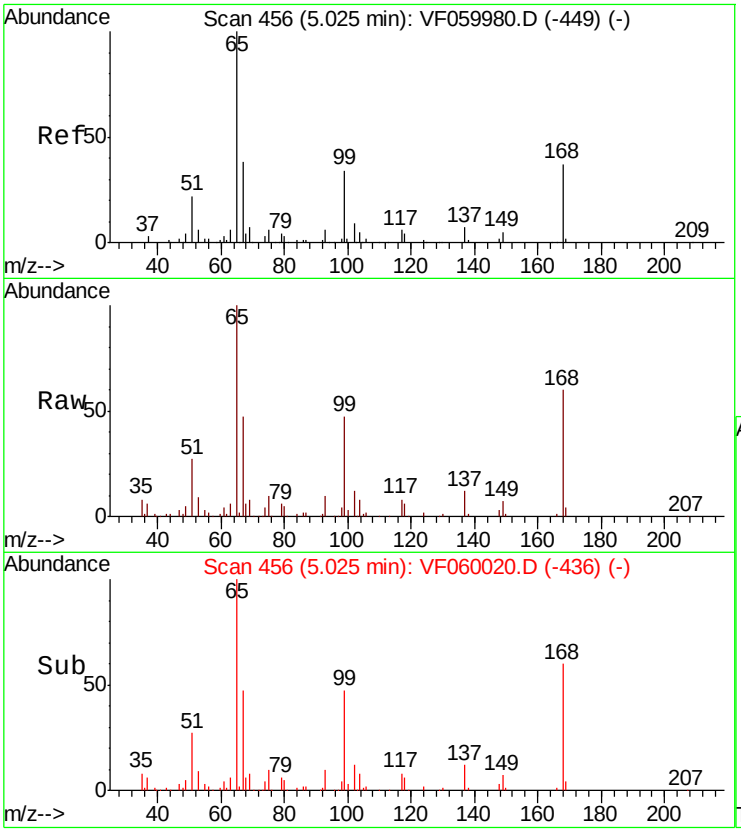


#25
2-Butanone
Concen: 1.00 ug/l
RT: 4.50 min Scan# 403
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 43 Resp: 918

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.5	18.7#



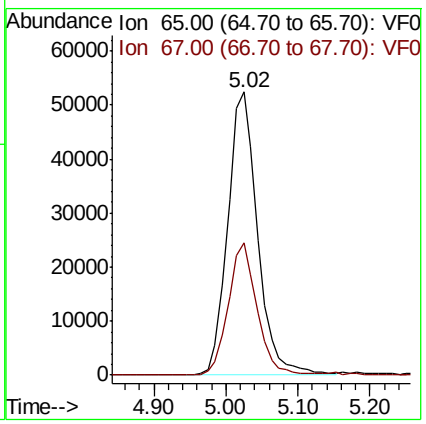


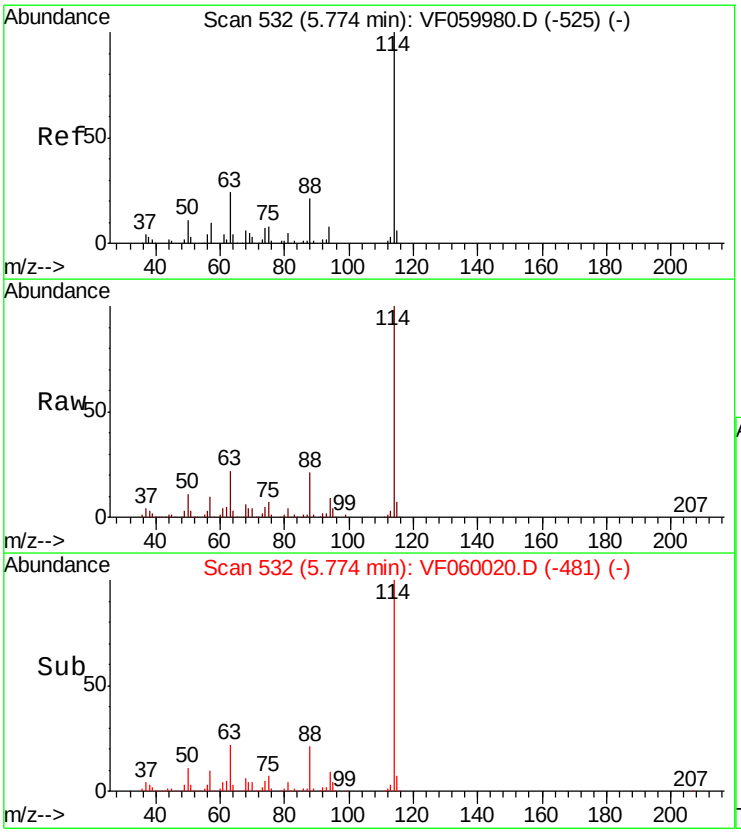
#33
1,2-Dichloroethane-d4
Concen: 40.04 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion: 65 Resp: 151408

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	82.6

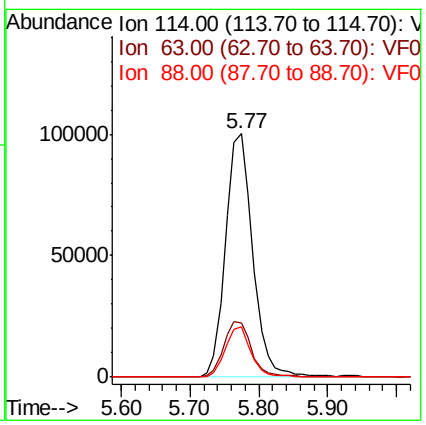


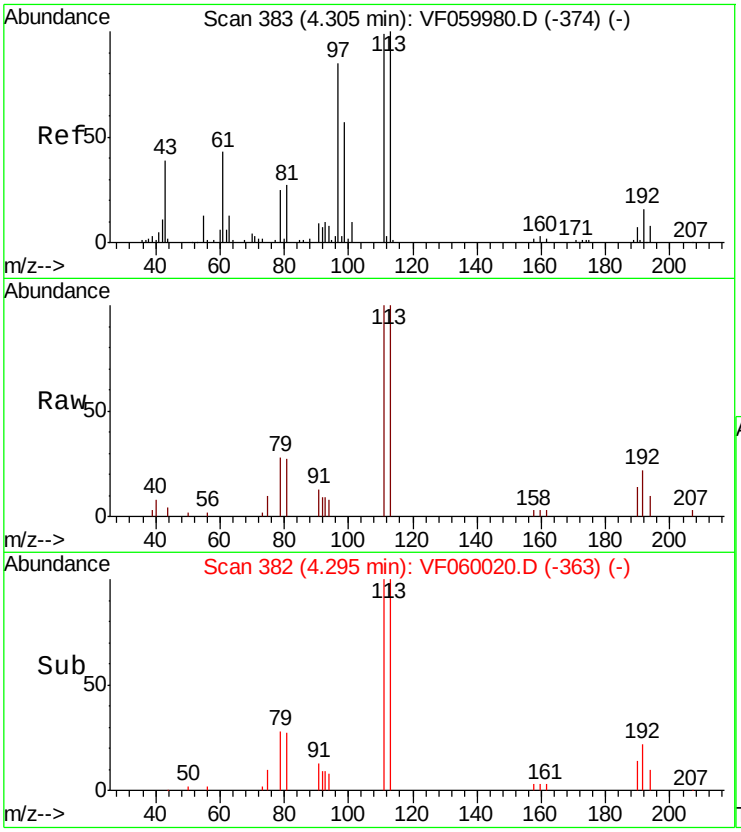


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.77 min Scan# 532
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:114 Resp: 274843

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	48.6
88	20.7	0.0	42.8



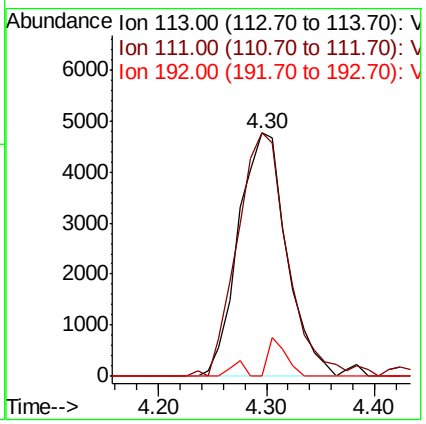


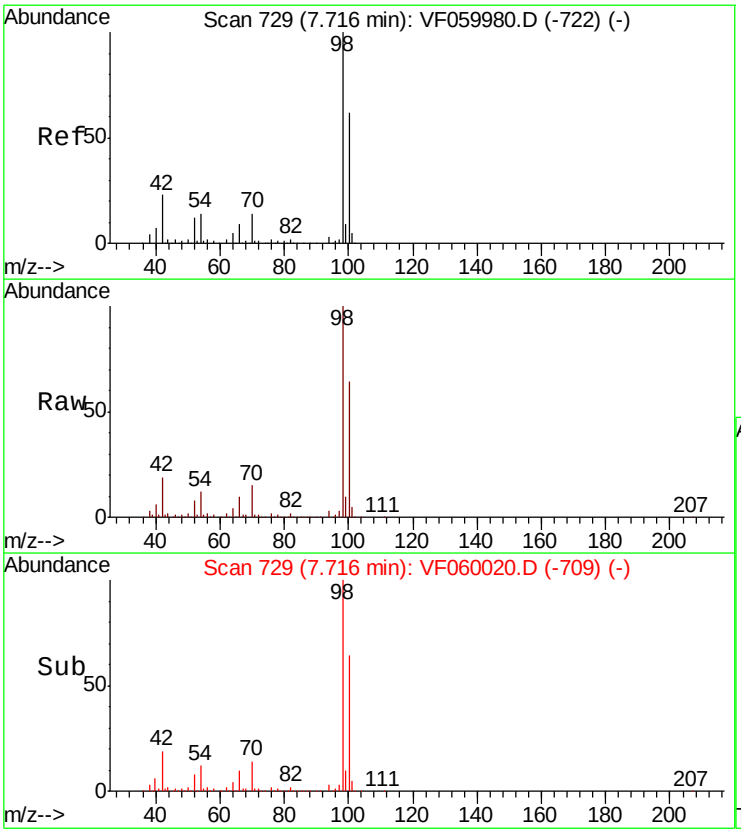
#35
Dibromofluoromethane
Concen: 5.30 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion:113 Resp: 14892

Ion	Ratio	Lower	Upper
113	100		
111	100.1	79.5	119.3
192	0.0	12.4	18.6#

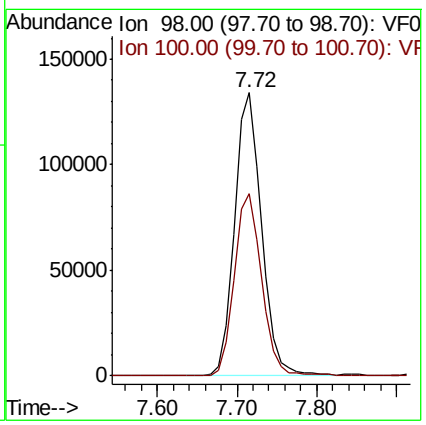


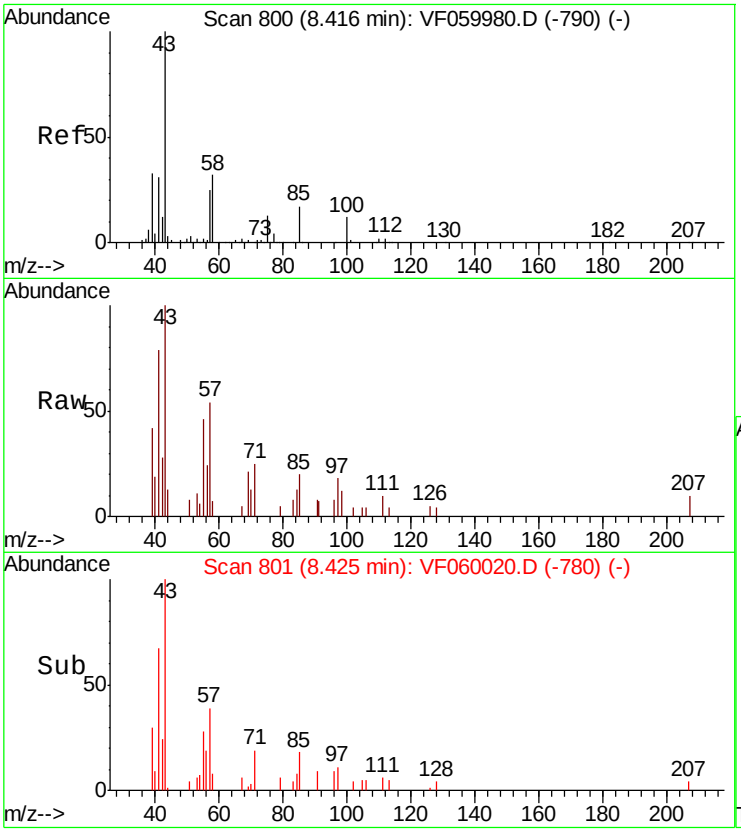


#50
Toluene-d8
Concen: 50.41 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 98 Resp: 314868

Ion	Ratio	Lower	Upper
98	100		
100	64.4	49.8	74.8



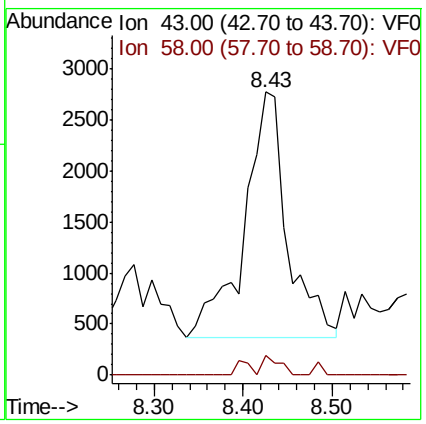


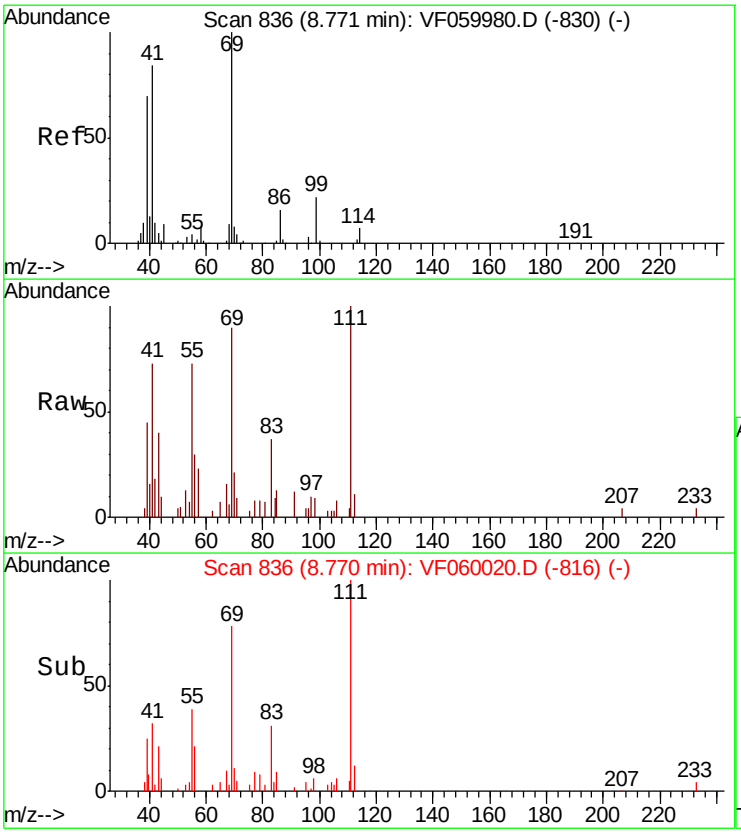
#51
4-Methyl-2-Pentanone
Concen: 4.47 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion: 43 Resp: 7948

Ion	Ratio	Lower	Upper
43	100		
58	7.0	25.6	38.4#

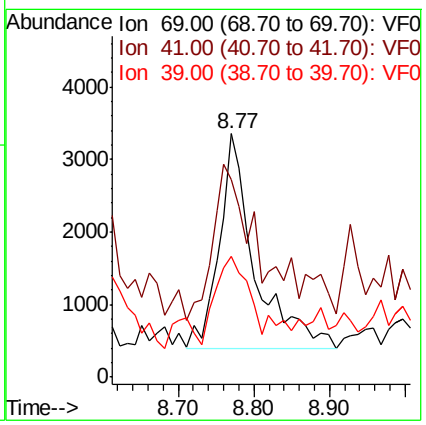


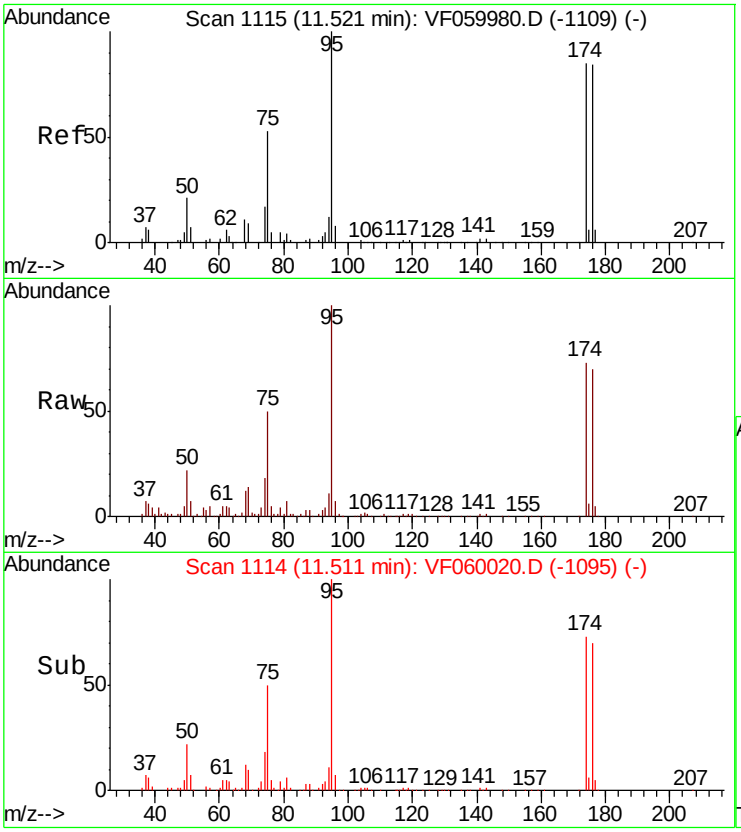


#56
Ethyl methacrylate
Concen: 5.26 ug/l
RT: 8.77 min Scan# 836
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 69 Resp: 9687

Ion	Ratio	Lower	Upper
69	100		
41	81.0	67.8	101.6
39	49.7	55.8	83.6#



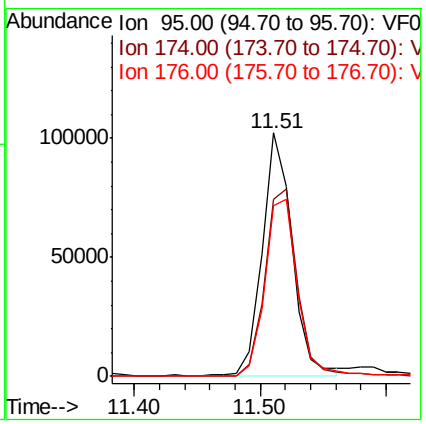


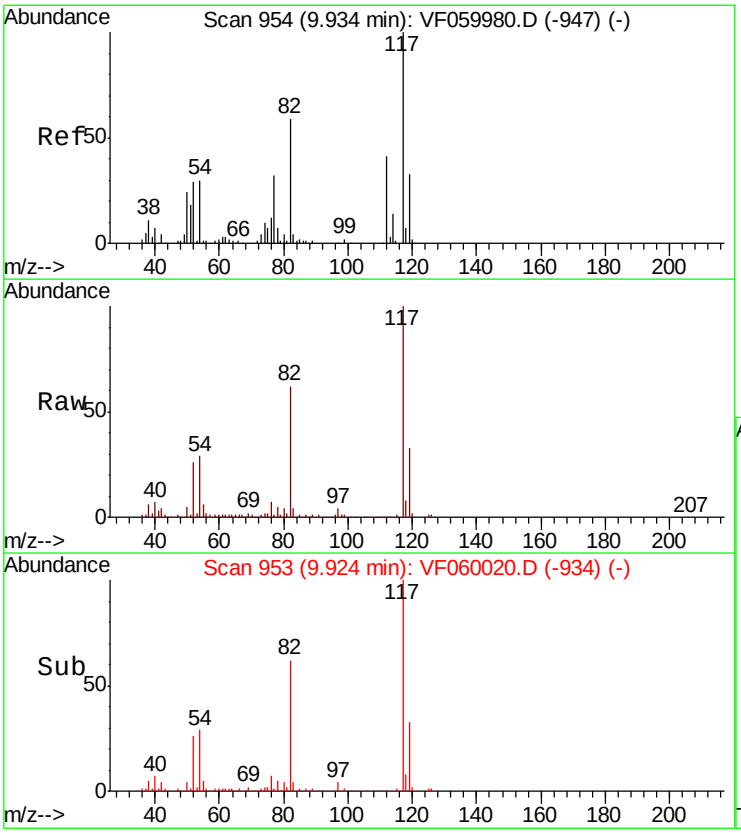
#62
4-Bromofluorobenzene
Concen: 43.64 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion: 95 Resp: 167271

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	169.8
176	70.0	0.0	167.8

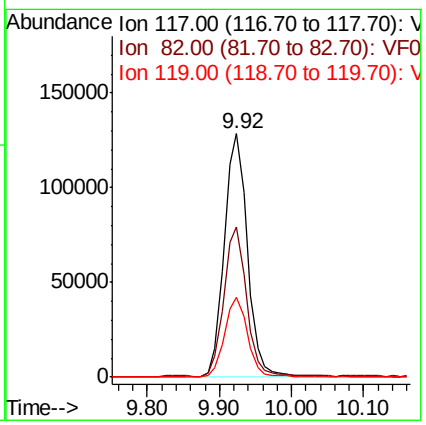


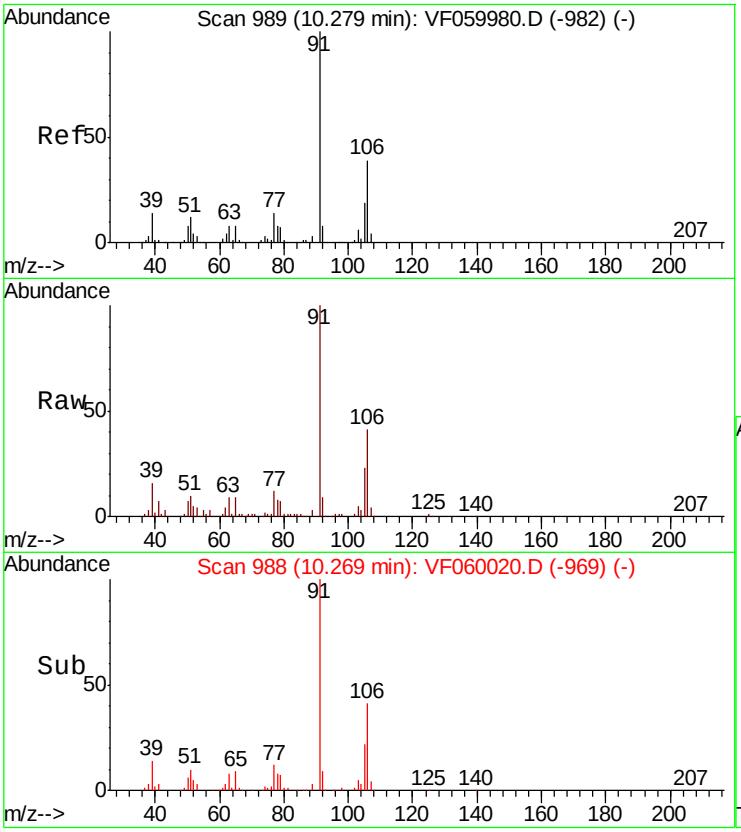


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:117 Resp: 288459

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.2	70.8
119	32.8	26.1	39.1



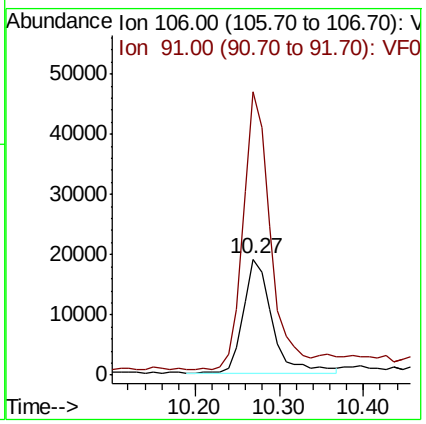


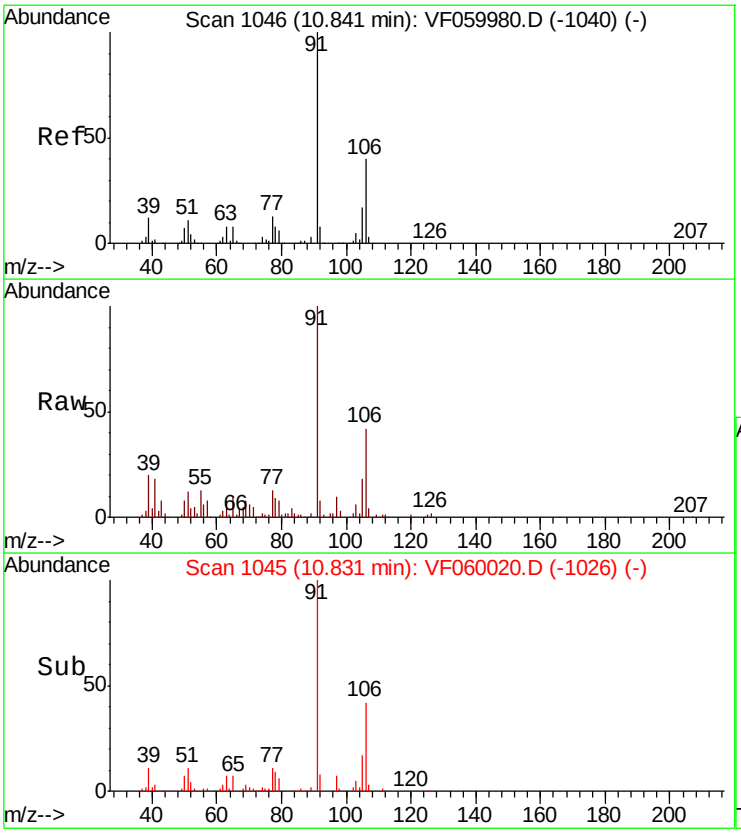
#68
m/p-Xylenes
Concen: 12.88 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion:106 Resp: 46114

Ion	Ratio	Lower	Upper
106	100		
91	243.9	203.5	305.3

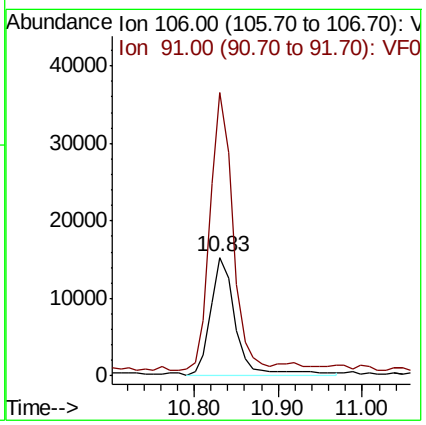


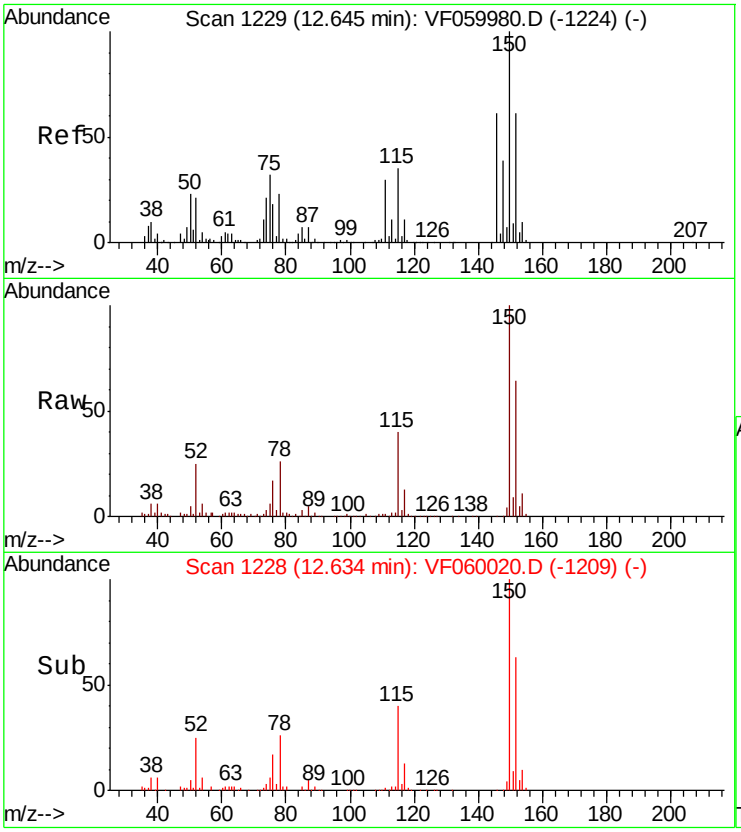


#69
o-Xylene
Concen: 8.39 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:106 Resp: 30803

Ion	Ratio	Lower	Upper
106	100		
91	238.4	125.4	376.2



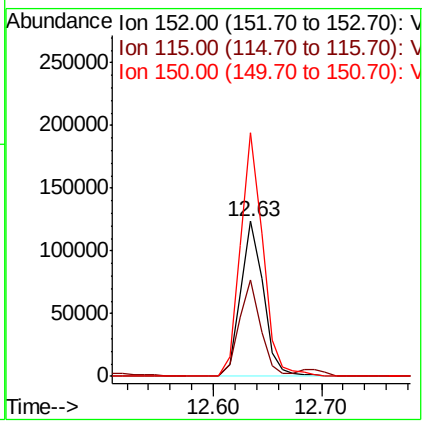


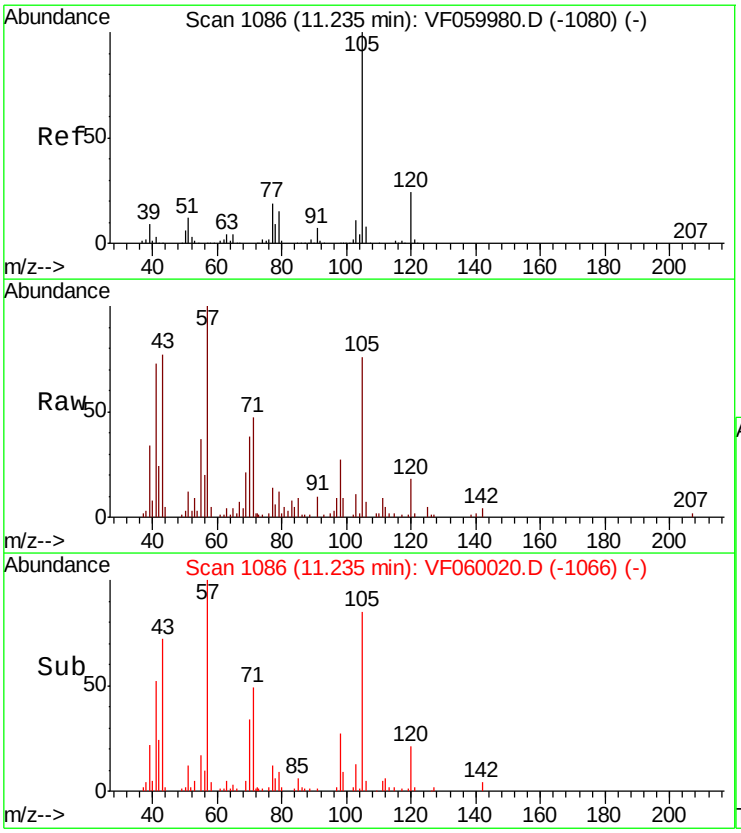
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion:152 Resp: 181216

Ion	Ratio	Lower	Upper
152	100		
115	62.6	29.1	87.3
150	157.3	0.0	330.2

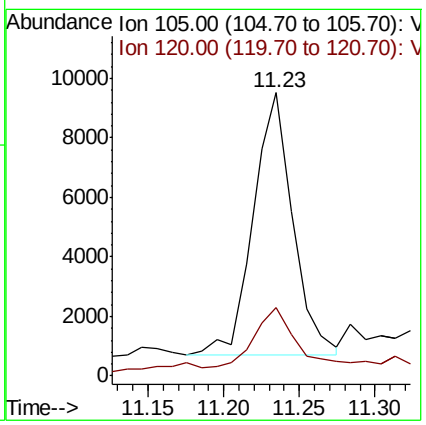


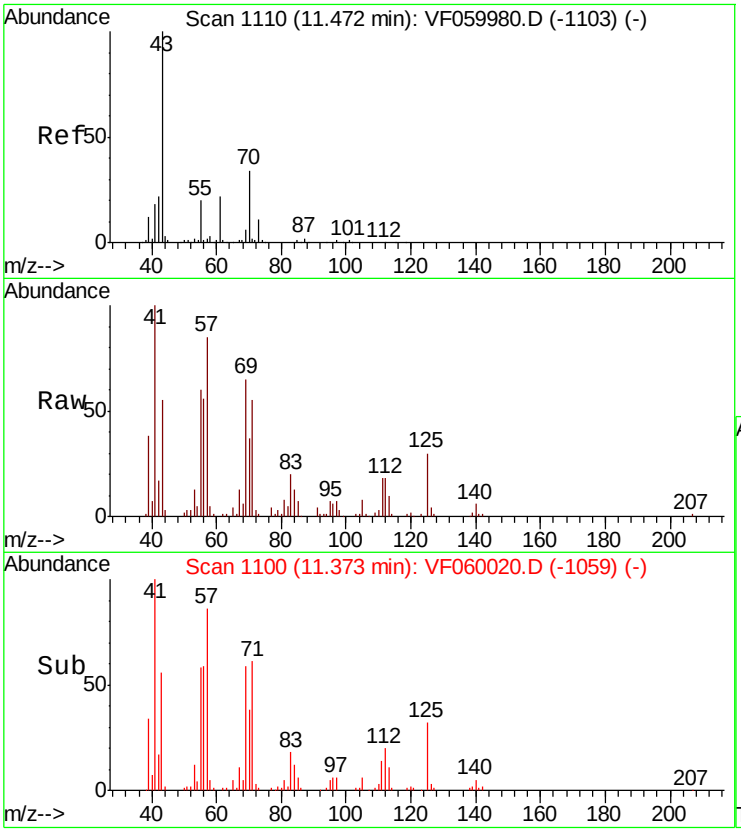


#73
Isopropylbenzene
Concen: 1.48 ug/l
RT: 11.23 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:105 Resp: 16028

Ion	Ratio	Lower	Upper
105	100		
120	24.2	11.9	35.5



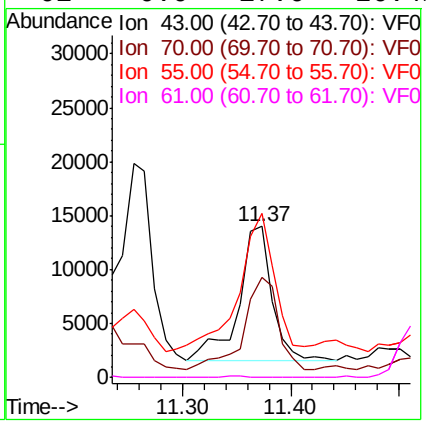


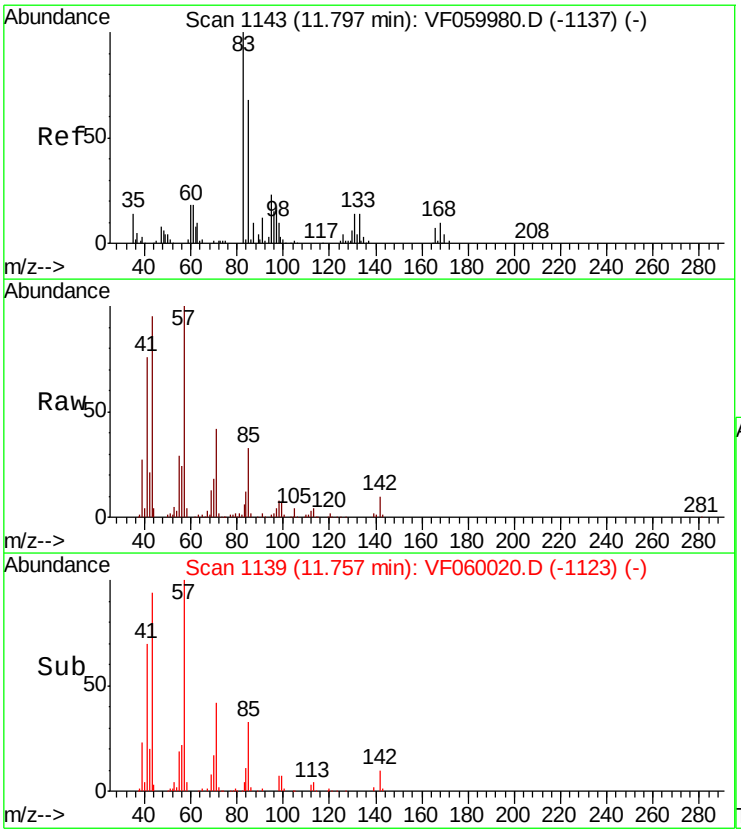
#74
N-amyl acetate
Concen: 8.77 ug/l
RT: 11.37 min Scan# 1100
Delta R.T. -0.10 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument : MSVOA_F
ClientSampleId : Y-1802

Tgt Ion: 43 Resp: 27041

Ion	Ratio	Lower	Upper
43	100		
70	66.3	27.2	40.8#
55	108.8	16.4	24.6#
61	0.0	17.6	26.4#

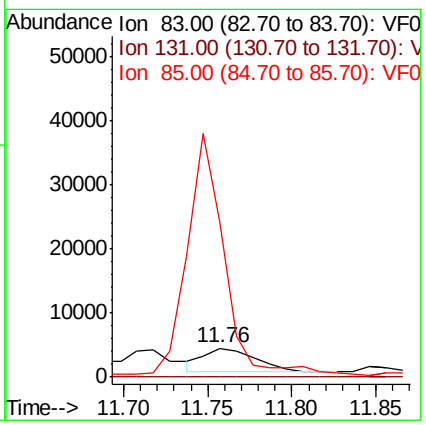


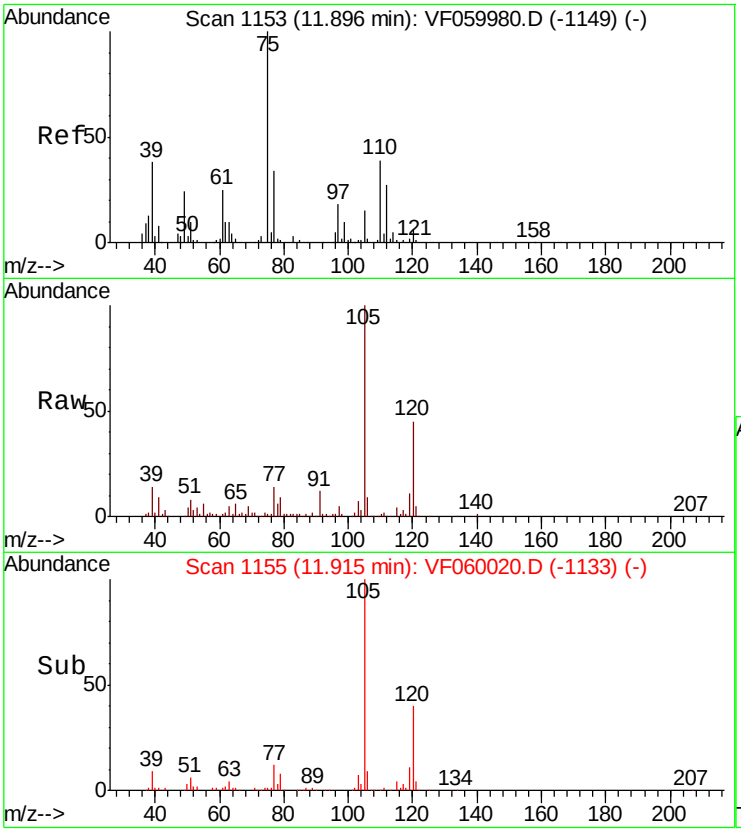


#75
1,1,2,2-Tetrachloroethane
Concen: 3.57 ug/l
RT: 11.76 min Scan# 1139
Delta R.T. -0.04 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 83 Resp: 7609

Ion	Ratio	Lower	Upper
83	100		
131	0.0	7.2	21.6#
85	536.5	34.1	102.2#



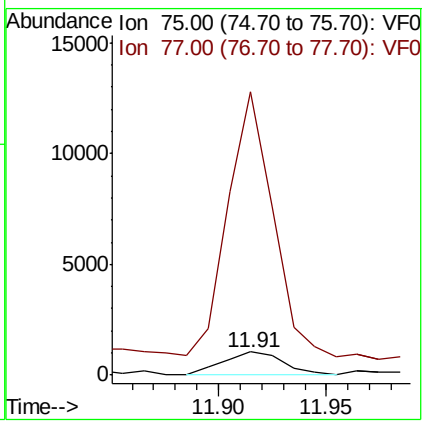


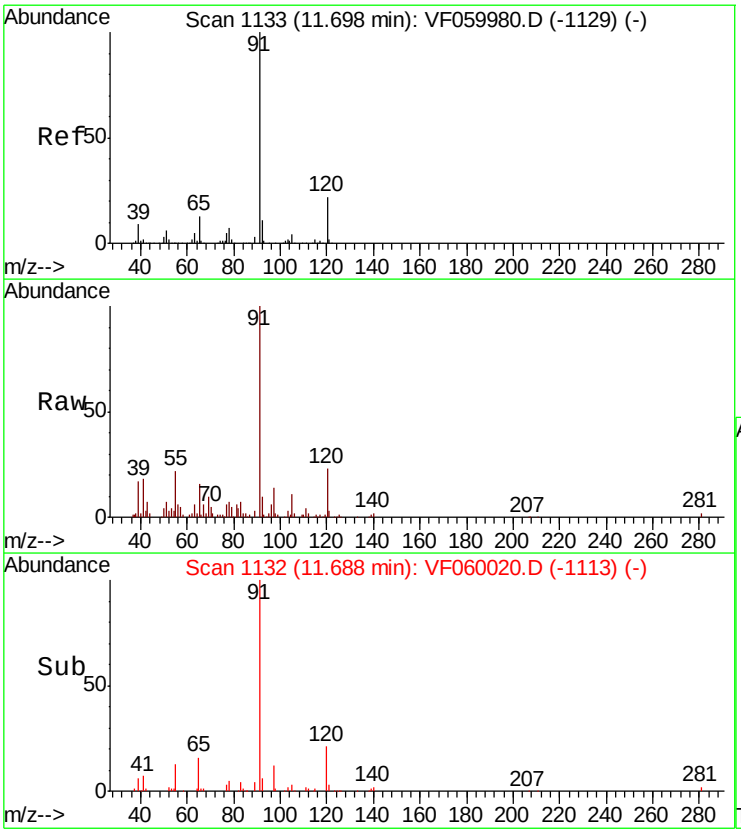
#76
1,2,3-Trichloropropane
Concen: 1.09 ug/l
RT: 11.91 min Scan# 1155
Delta R.T. 0.02 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion: 75 Resp: 2061

Ion	Ratio	Lower	Upper
75	100		
77	1217.3	17.1	51.3#

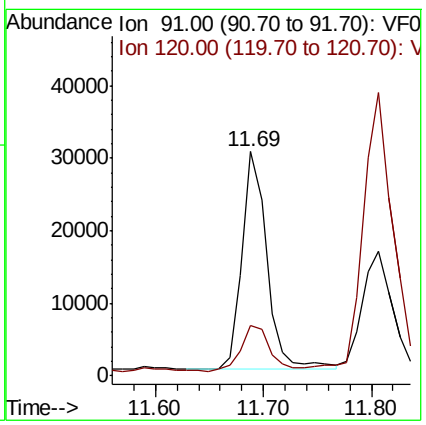


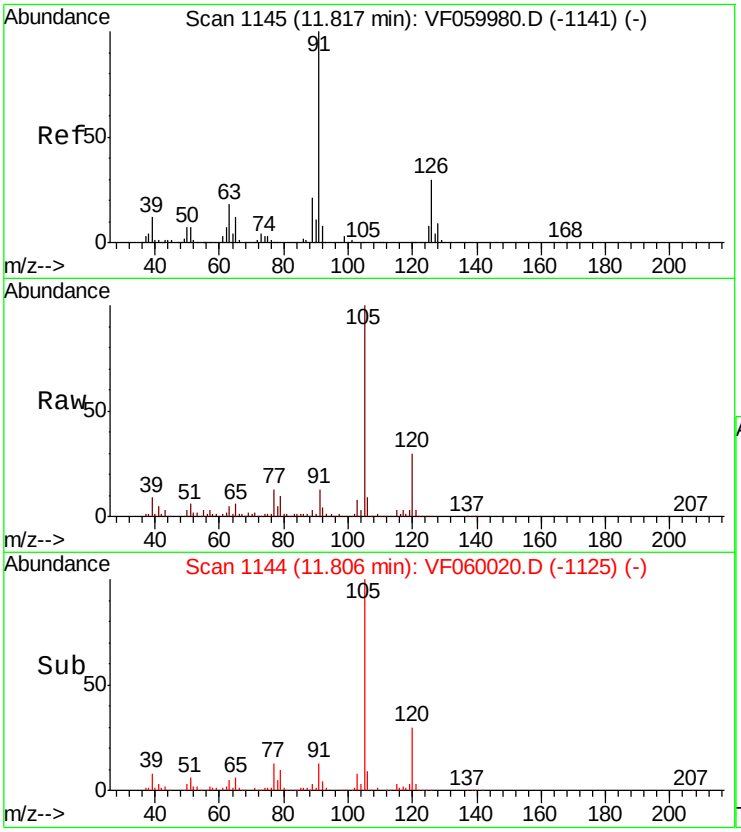


#78
n-propylbenzene
Concen: 3.58 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion: 91 Resp: 48349

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.0	33.0



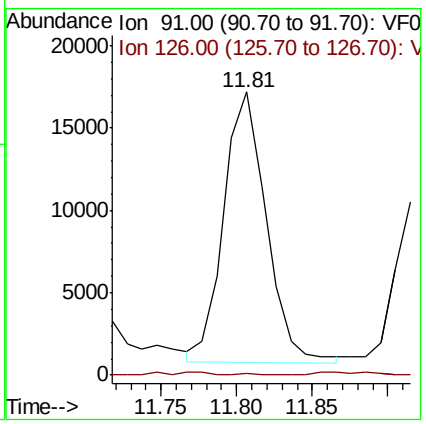


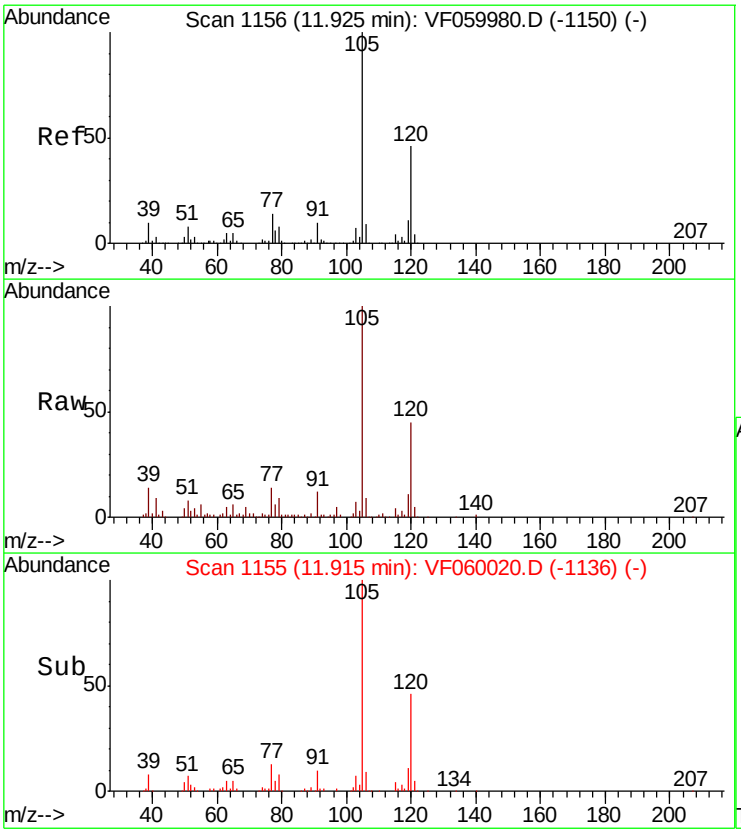
#79
2-Chlorotoluene
Concen: 3.91 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion: 91 Resp: 32030

Ion	Ratio	Lower	Upper
91	100		
126	0.6	14.7	44.1#

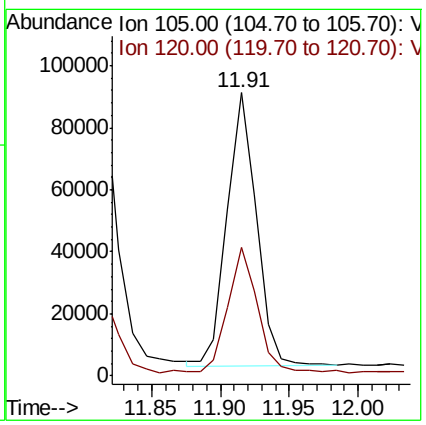


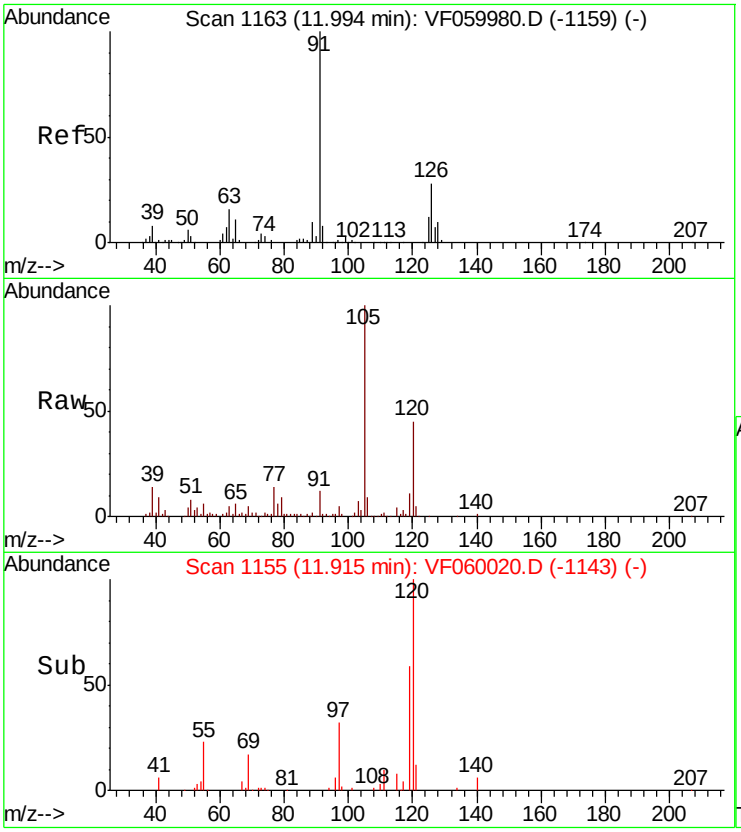


#80
1,3,5-Trimethylbenzene
Concen: 13.43 ug/l
RT: 11.91 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:105 Resp: 131938

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7



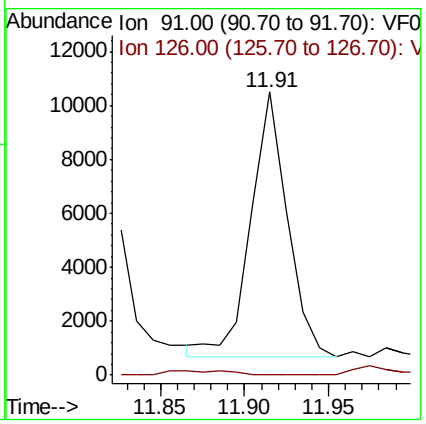


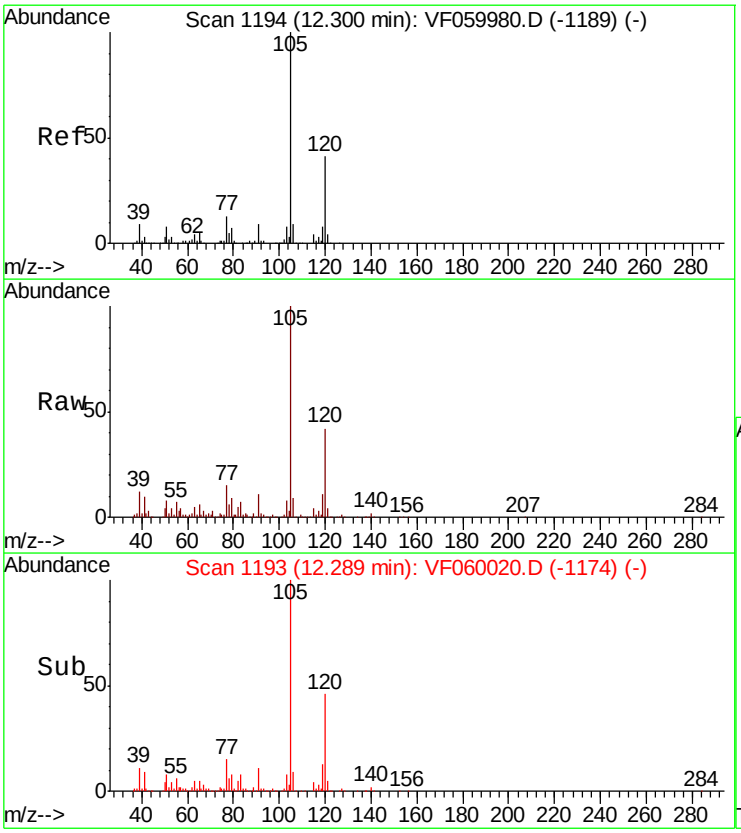
#82
4-Chlorotoluene
Concen: 1.67 ug/l
RT: 11.91 min Scan# 1155
Delta R.T. -0.08 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion: 91 Resp: 14967

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	42.4#

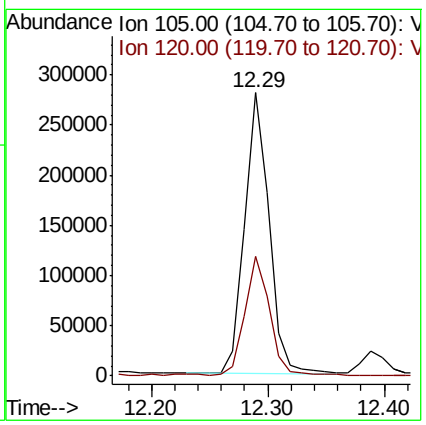


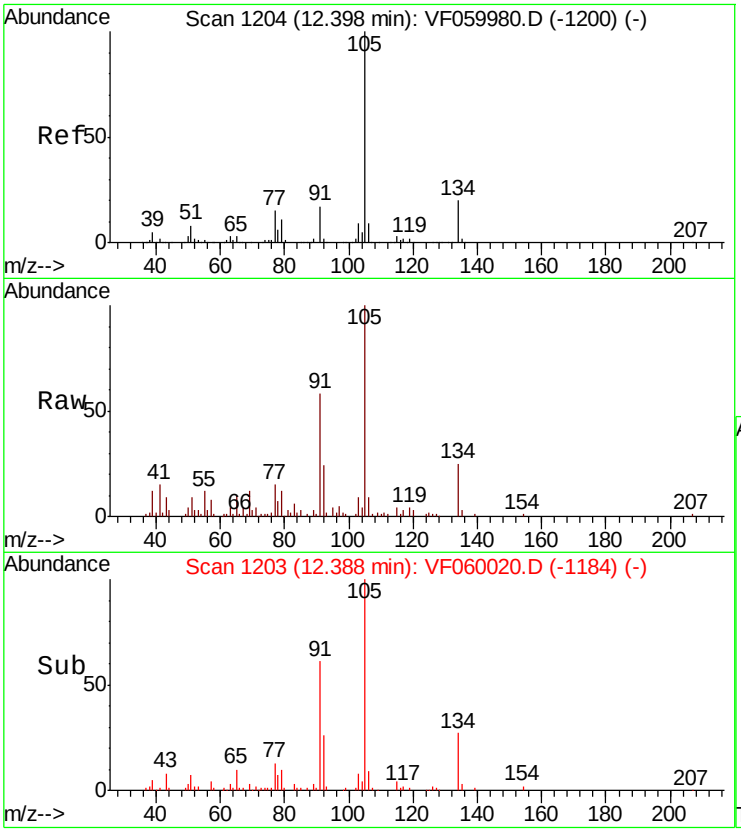


#84
1,2,4-Trimethylbenzene
Concen: 39.10 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:105 Resp: 404376

Ion	Ratio	Lower	Upper
105	100		
120	42.4	20.9	62.7



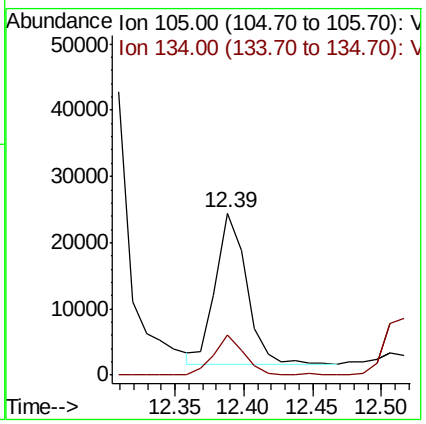


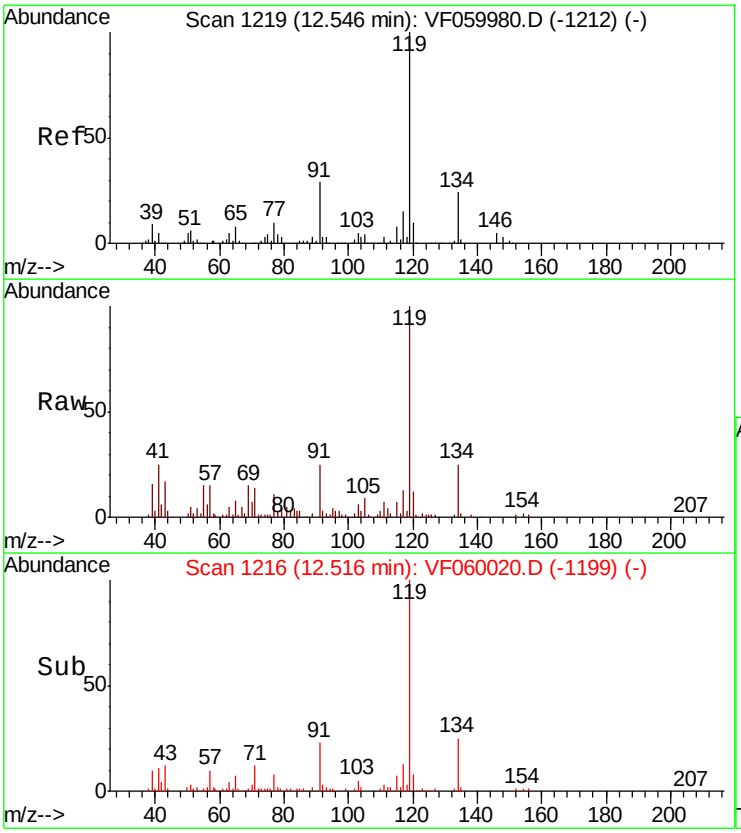
#85
sec-Butylbenzene
Concen: 2.78 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion:105 Resp: 35456

Ion	Ratio	Lower	Upper
105	100		
134	25.0	9.8	29.5

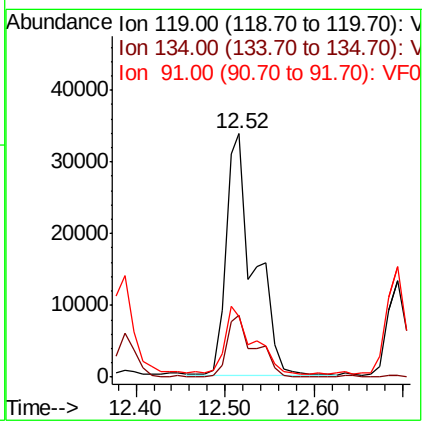


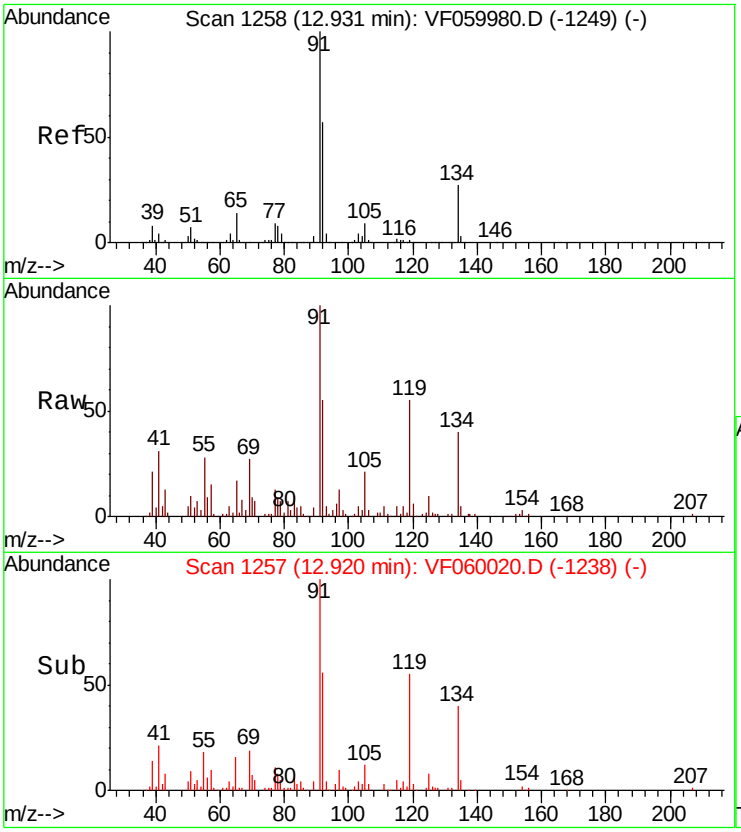


#86
p-Isopropyltoluene
Concen: 6.54 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. -0.03 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:119 Resp: 73796

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.1	36.3
91	24.6	14.4	43.4



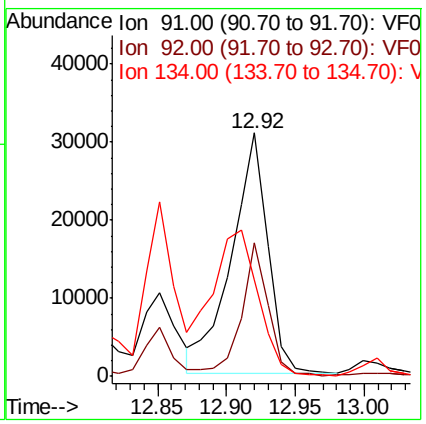


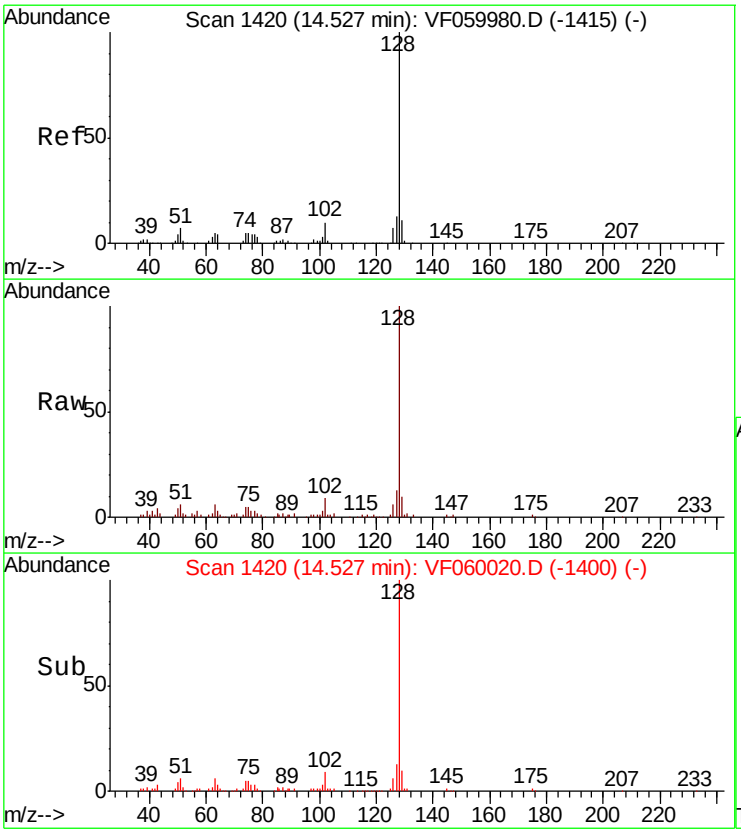
#89
n-Butylbenzene
Concen: 5.15 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tgt Ion: 91 Resp: 56177

Ion	Ratio	Lower	Upper
91	100		
92	55.0	28.7	86.3
134	39.7	13.3	39.9





#95
Naphthalene
Concen: 8.83 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion:128 Resp: 56147

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.1	9.0	13.4