Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF073118\
Data File : VF059738.D
Acq On : 1 Aug 2018 6:26
Operator : VA/AP
Sample : J3825-19
Misc : 5.85g/5mL/MSVOA_F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:39:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.04	168	188345	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.77	114	265462	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.92	117	216505	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	103493	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.02	65	163519	48.31	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.62%				
35) Dibromofluoromethane	4.29	113	129619	47.01	ug/l		0.00
Spiked Amount 50.000			Recovery = 94.02%				
50) Toluene-d8	7.71	98	200194	31.14	ug/l		0.00
Spiked Amount 50.000			Recovery = 62.28%				
62) 4-Bromofluorobenzene	11.51	95	98168	27.58	ug/l		0.00
Spiked Amount 50.000			Recovery = 55.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.99	85	213	Below Cal		#	44
3) Chloromethane	1.10	50	632	Below Cal		#	38
4) Vinyl Chloride	1.20	62	124	Below Cal		#	47
5) Bromomethane	1.36	94	484	Below Cal		#	50
6) Chloroethane	1.44	64	90	Below Cal		#	1
10) Methyl Iodide	1.79	142	104	Below Cal		#	20
11) Tert butyl alcohol	2.68	59	752	4.074	ug/l	#	74
13) Acrolein	2.08	56	289	19.847	ug/l		96
15) Acrylonitrile	3.08	53	463	2.179	ug/l	#	60
16) Acetone	2.34	43	21529	35.360	ug/l	#	93
17) Carbon Disulfide	1.72	76	71	Below Cal		#	71
20) Methylene Chloride	2.28	84	3683	Below Cal		#	75
21) trans-1,2-Dichloroethene	2.45	96	373	Below Cal		#	1
28) Bromochloromethane	3.77	49	76	Below Cal		#	59
31) Cyclohexane	3.75	56	62	Below Cal		#	15
36) 1,1-Dichloropropene	4.43	75	312	Below Cal		#	46
37) Ethyl Acetate	4.32	43	438	Below Cal		#	19
41) Methacrylonitrile	4.92	41	140	Below Cal		#	58
49) 1,4-Dioxane	6.59	88	63	Below Cal		#	21
52) Toluene	7.77	92	674	Below Cal		#	36
68) m/p-Xylenes	10.11	106	76	Below Cal		#	1
78) n-propylbenzene	11.69	91	65	Below Cal		#	54
79) 2-Chlorotoluene	11.82	91	73	Below Cal		#	44
80) 1,3,5-Trimethylbenzene	11.91	105	67	Below Cal		#	31
82) 4-Chlorotoluene	11.99	91	61	Below Cal		#	44
84) 1,2,4-Trimethylbenzene	12.29	105	207	Below Cal		#	33
85) sec-Butylbenzene	12.40	105	223	Below Cal		#	57
86) p-Isopropyltoluene	12.54	119	121	Below Cal		#	49
87) 1,3-Dichlorobenzene	12.57	146	255	Below Cal		#	24
88) 1,4-Dichlorobenzene	12.65	146	339	Below Cal		#	37
89) n-Butylbenzene	12.92	91	244	Below Cal		#	81
91) 1,2-Dichlorobenzene	13.02	146	161	Below Cal		#	24
93) 1,2,4-Trichlorobenzene	14.27	180	293	Below Cal		#	45

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059738.D
Acq On : 1 Aug 2018 6:26
Operator : VA/AP
Sample : J3825-19
Misc : 5.85g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:39:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

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

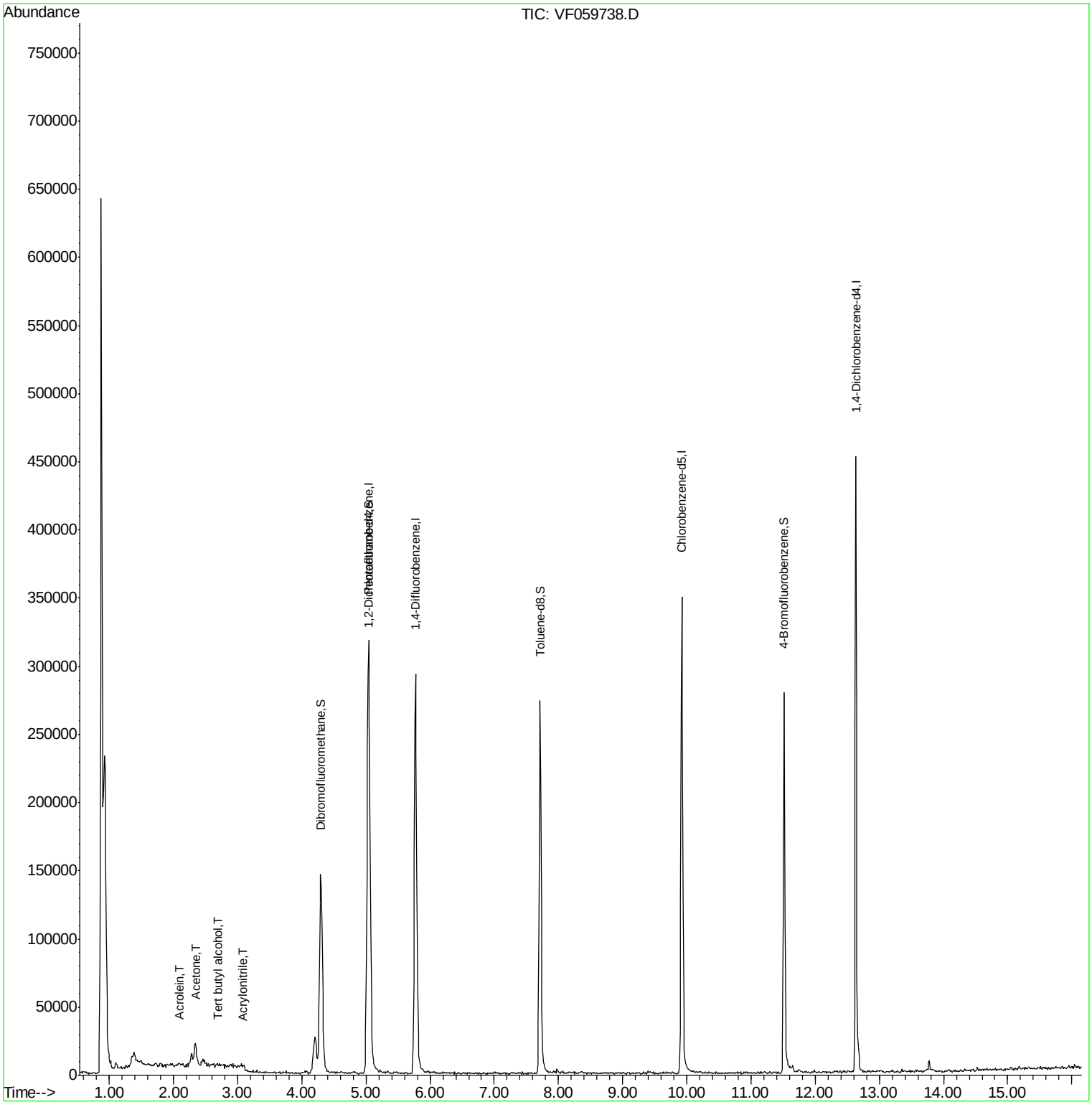
(#) = qualifier out of range (m) = manual integration (+) = signals summed

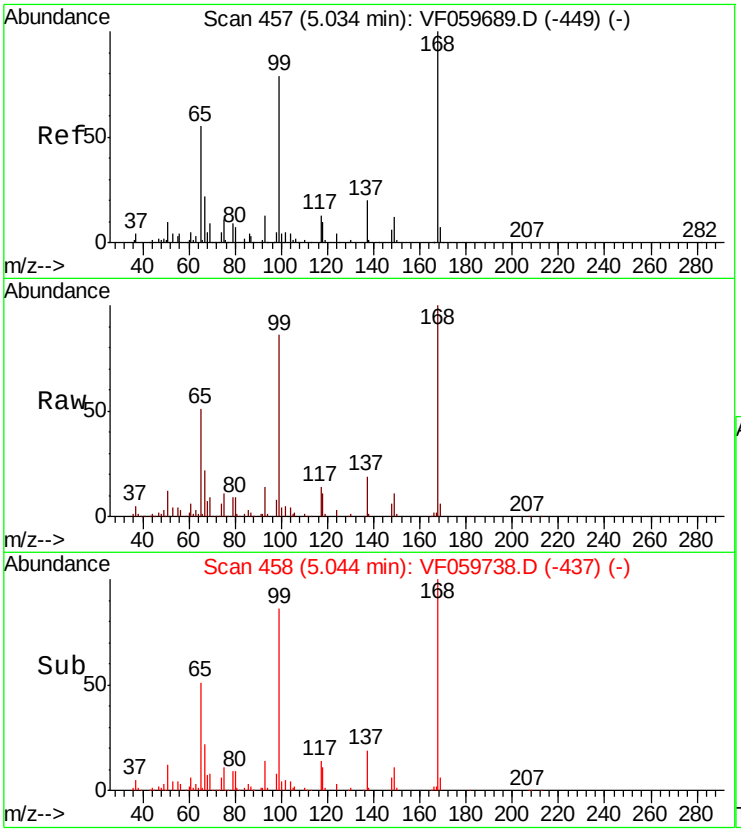
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059738.D
Acq On : 1 Aug 2018 6:26
Operator : VA/AP
Sample : J3825-19
Misc : 5.85g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:39:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration



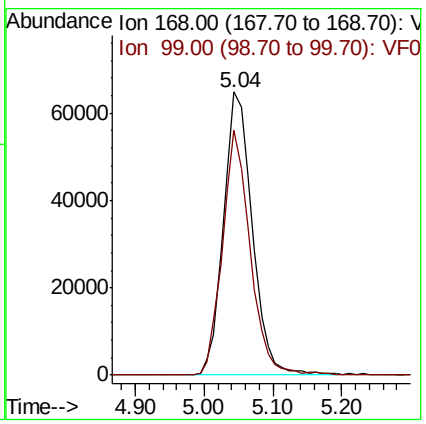


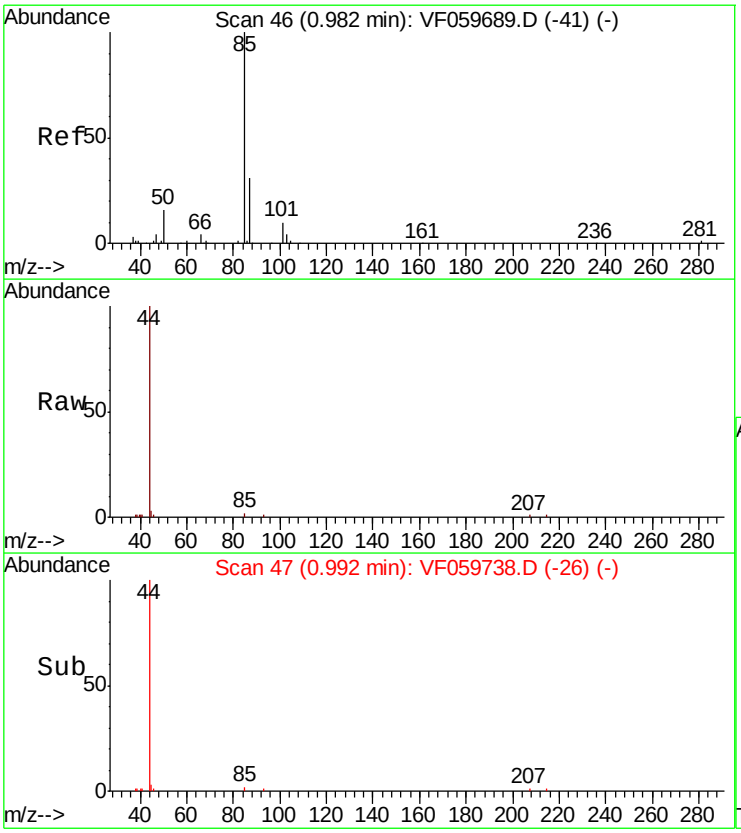
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 188345

Ion	Ratio	Lower	Upper
168	100		
99	86.4	63.3	94.9

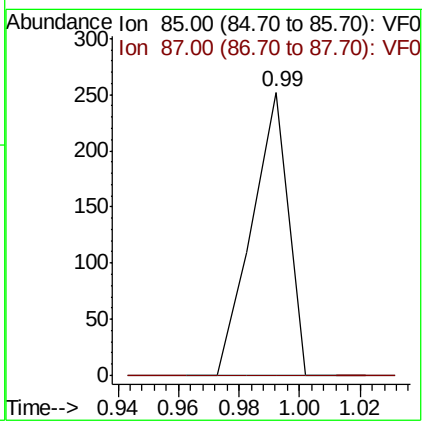


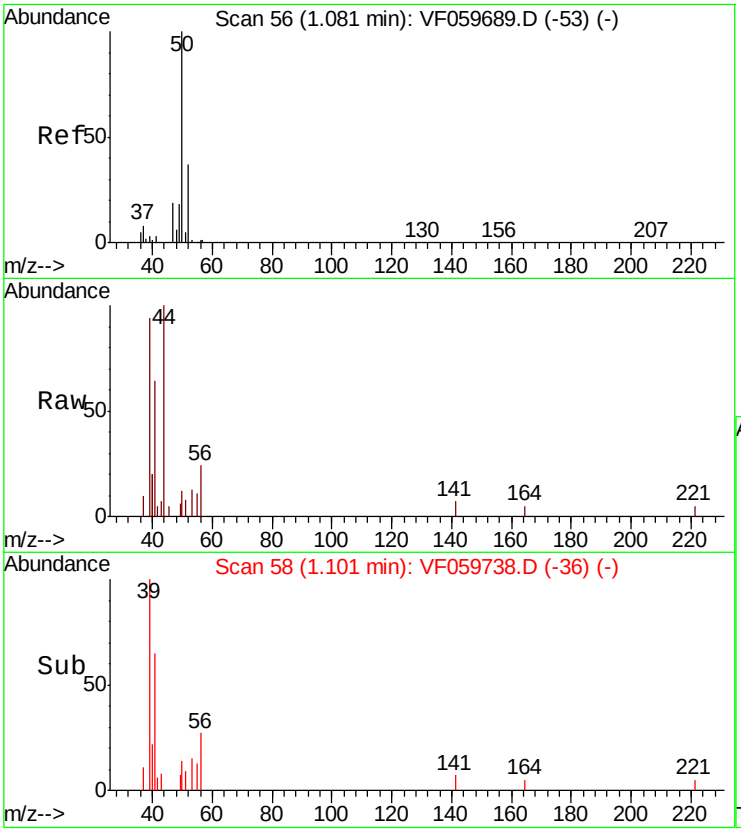


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.99 min Scan# 47
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 85 Resp: 213

Ion	Ratio	Lower	Upper
85	100		
87	0.0	15.3	45.8#



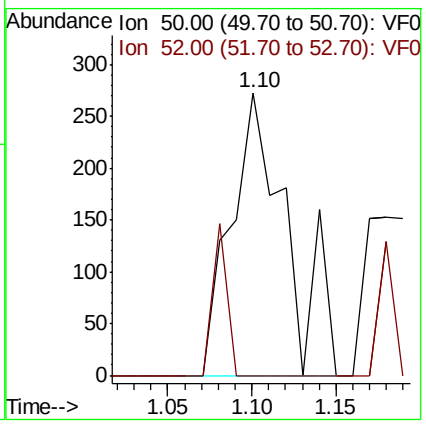


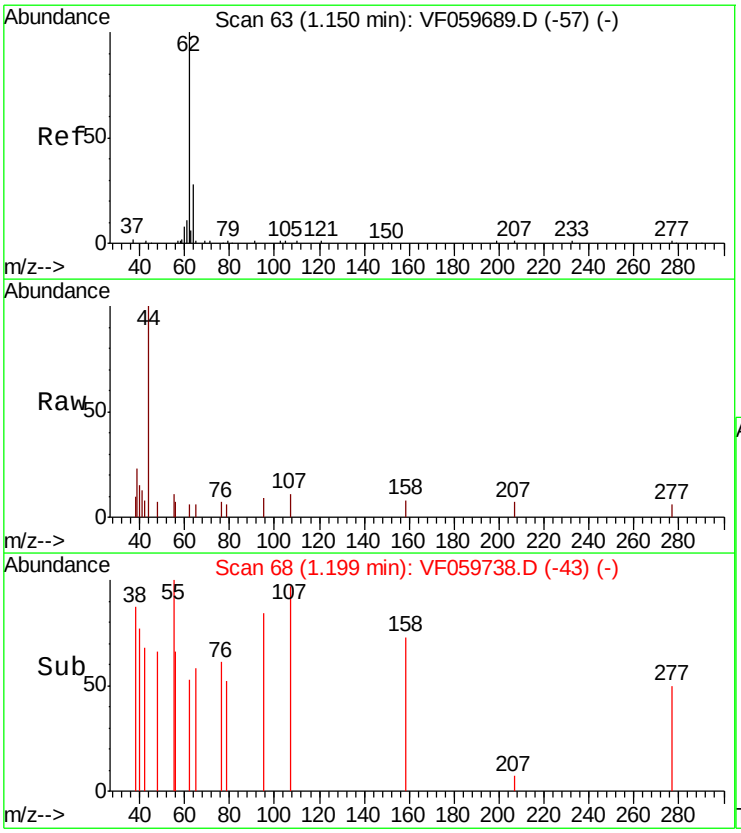
#3
Chloromethane
Concen: Below Cal
RT: 1.10 min Scan# 58
Delta R.T. 0.02 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 50 Resp: 632

Ion	Ratio	Lower	Upper
50	100		
52	0.0	29.1	43.7#

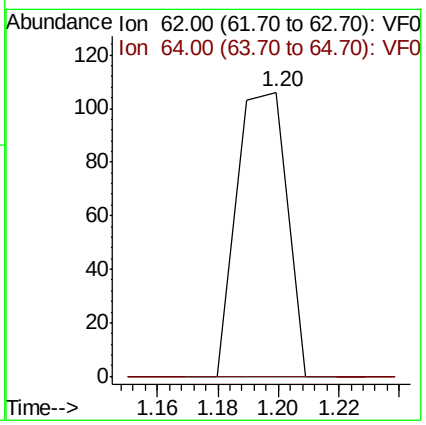


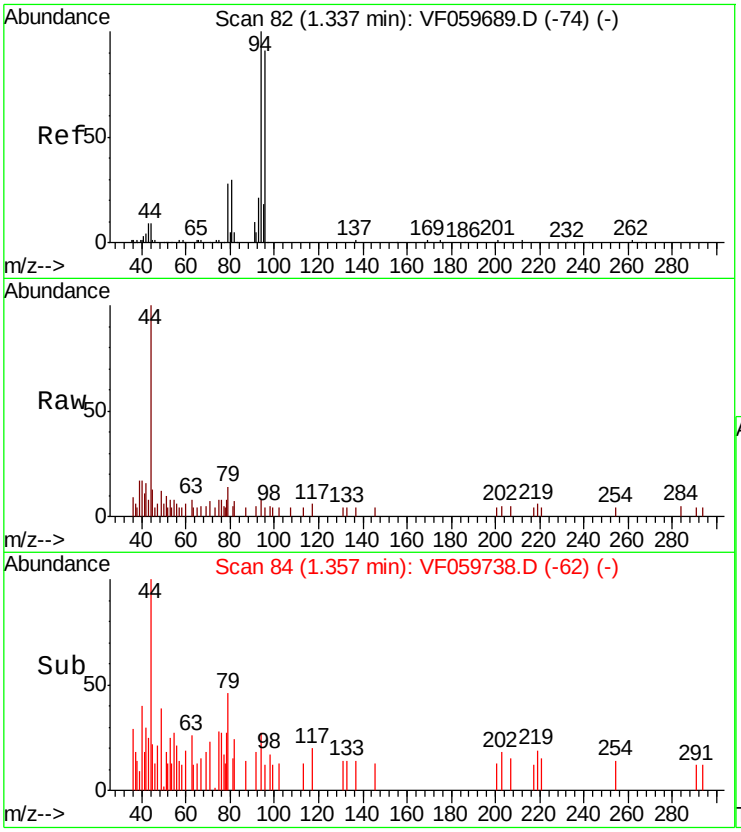


#4
Vinyl Chloride
Concen: Below Cal
RT: 1.20 min Scan# 68
Delta R.T. 0.05 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 62 Resp: 124

Ion	Ratio	Lower	Upper
62	100		
64	0.0	22.6	33.8#



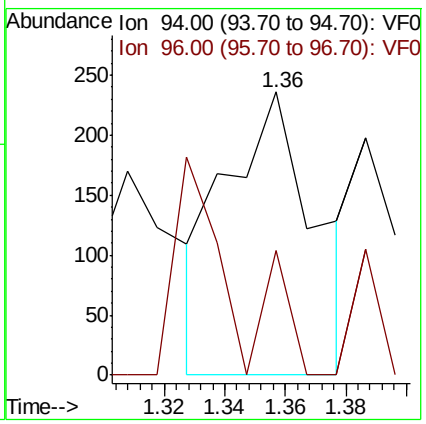


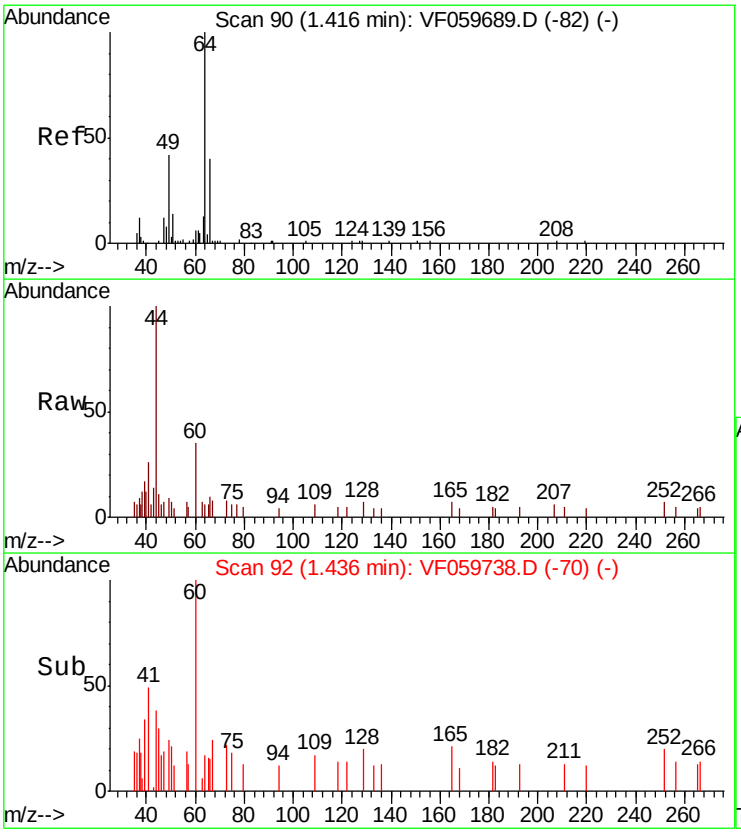
#5
Bromomethane
Concen: Below Cal
RT: 1.36 min Scan# 84
Delta R.T. 0.02 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 94 Resp: 484

Ion	Ratio	Lower	Upper
94	100		
96	44.1	73.6	110.4#

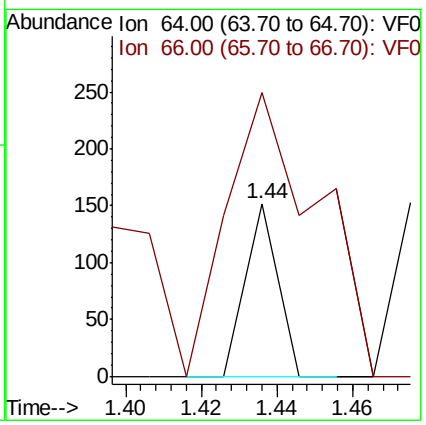


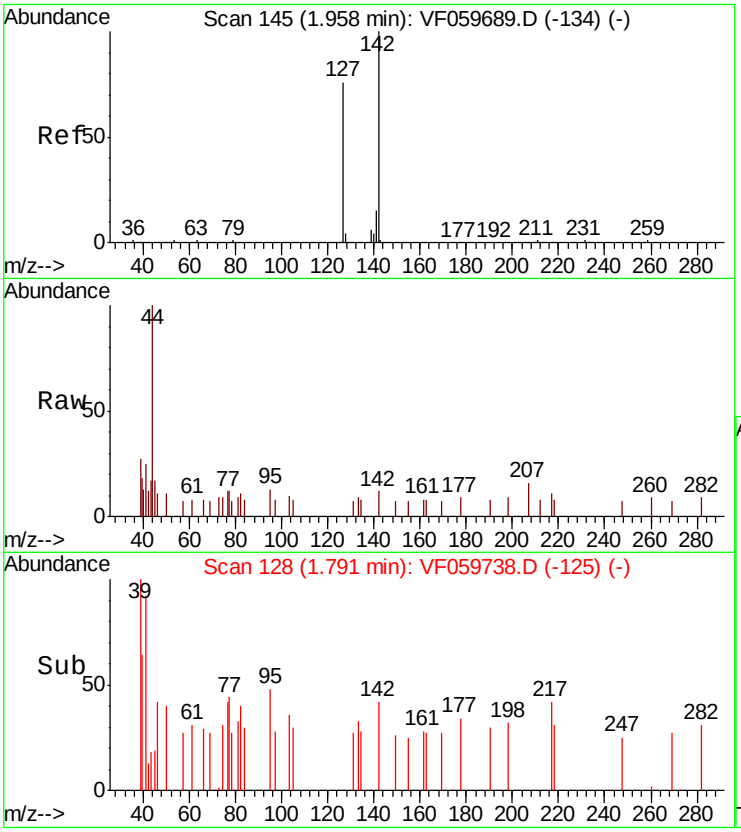


#6
Chloroethane
Concen: Below Cal
RT: 1.44 min Scan# 92
Delta R.T. 0.02 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 64 Resp: 90

Ion	Ratio	Lower	Upper
64	100		
66	300.7	32.6	49.0#



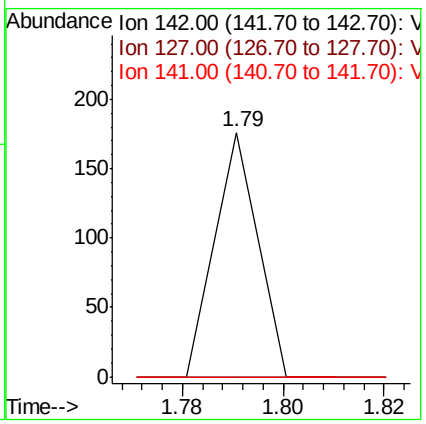


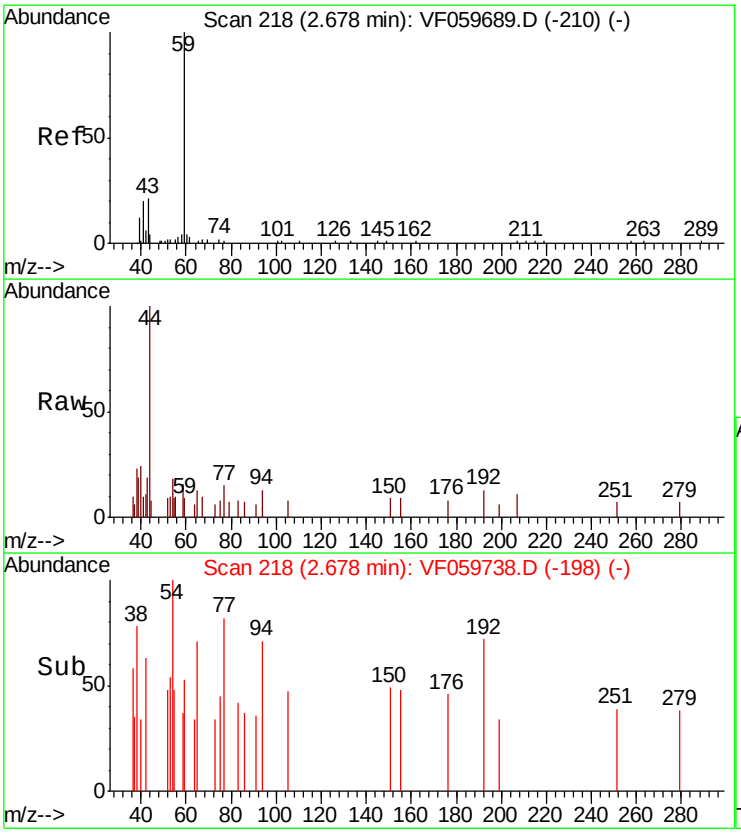
#10
Methyl Iodide
Concen: Below Cal
RT: 1.79 min Scan# 128
Delta R.T. -0.17 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:142 Resp: 104

Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#

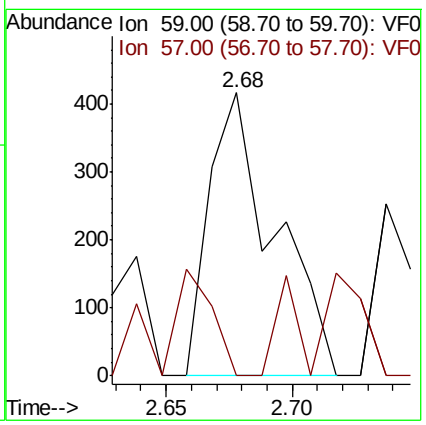


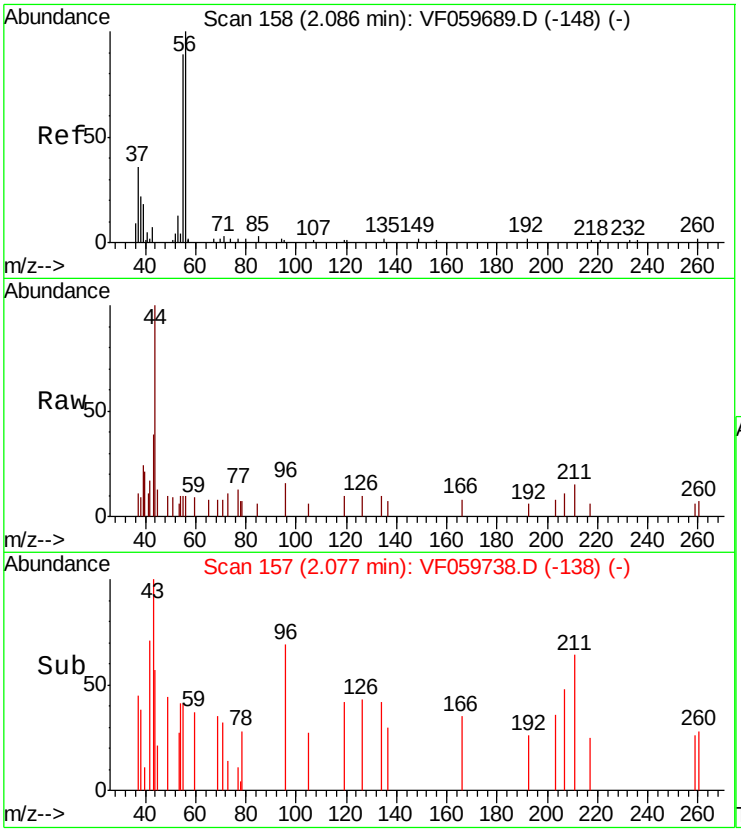


#11
Tert butyl alcohol
Concen: 4.074 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 59 Resp: 752

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

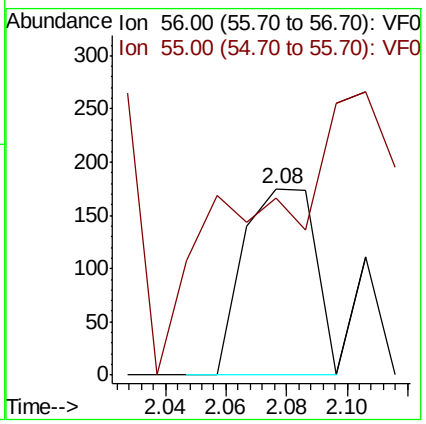




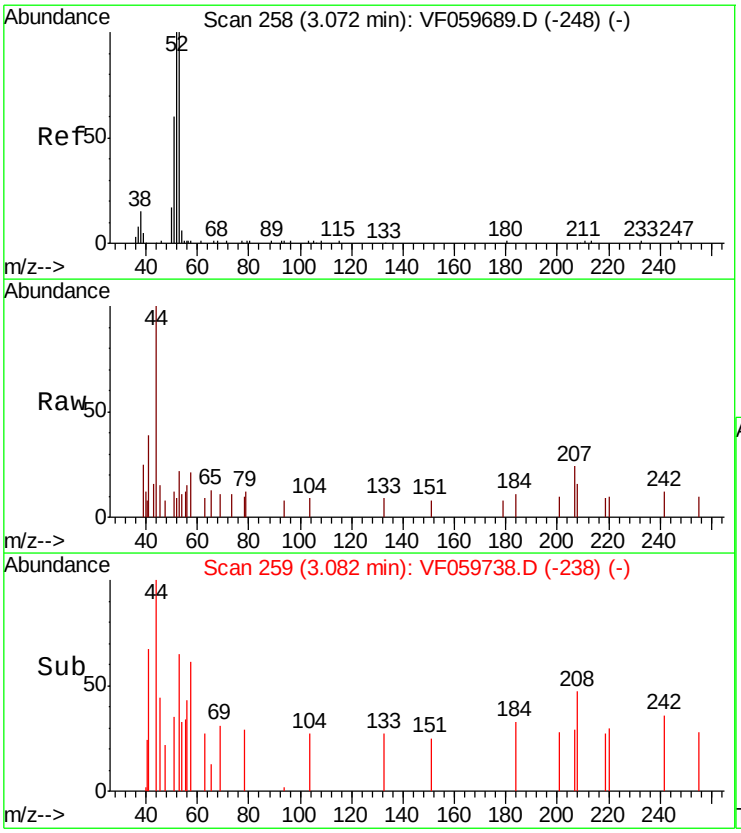
#13
Acrolein
Concen: 19.847 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 56 Resp: 289

Ion	Ratio	Lower	Upper
56	100		
55	94.9	73.2	109.8



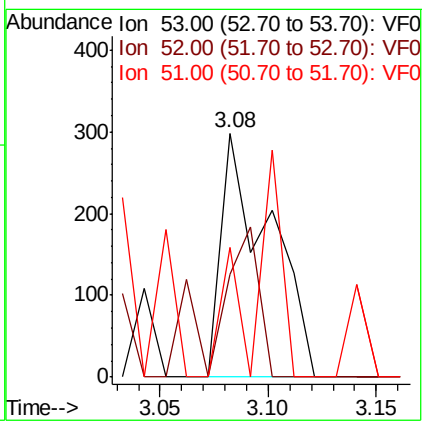
Instrument :
MSVOA_F
ClientSampleId :

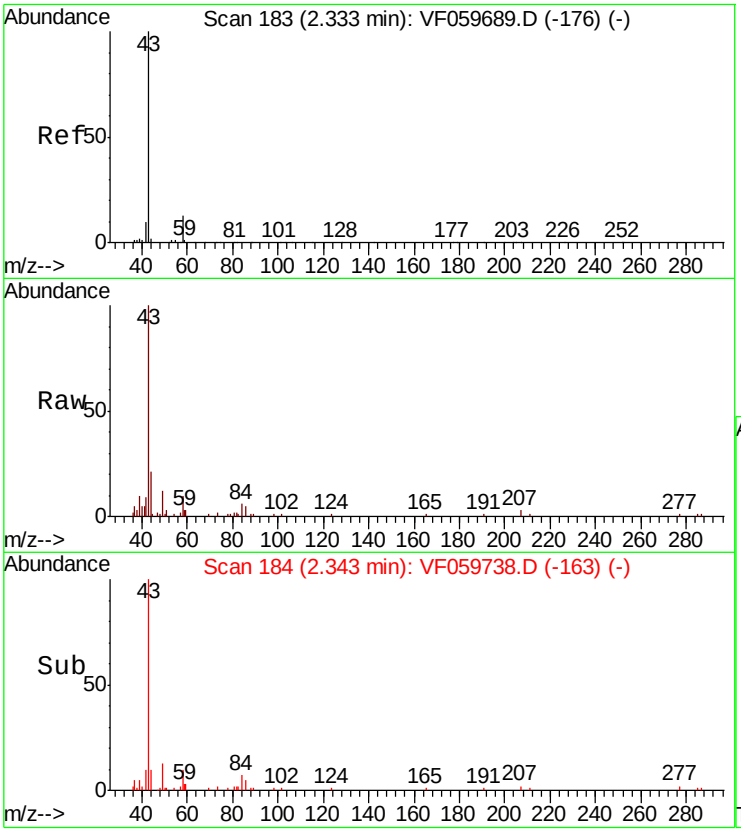


#15
Acrylonitrile
Concen: 2.179 ug/l
RT: 3.08 min Scan# 259
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 53 Resp: 463

Ion	Ratio	Lower	Upper
53	100		
52	42.3	80.3	120.5#
51	53.4	49.4	74.0



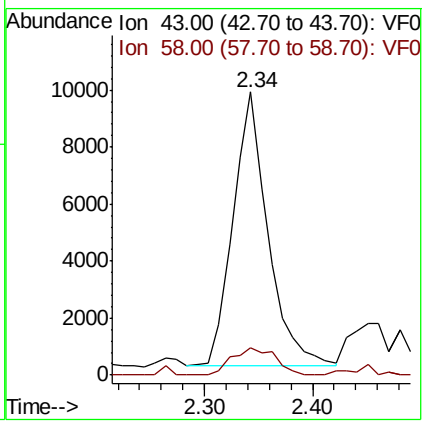


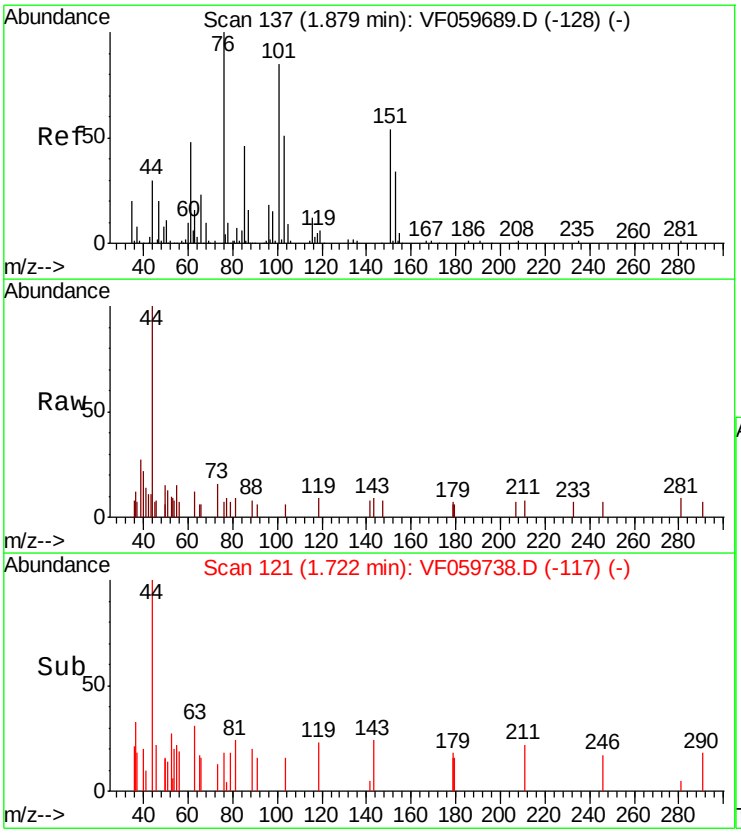
#16
Acetone
Concen: 35.360 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 21529

Ion	Ratio	Lower	Upper
43	100		
58	9.7	10.1	15.1#

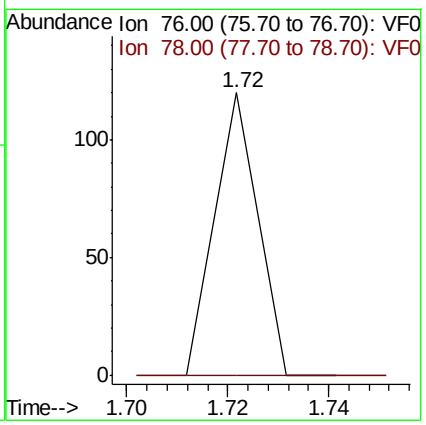


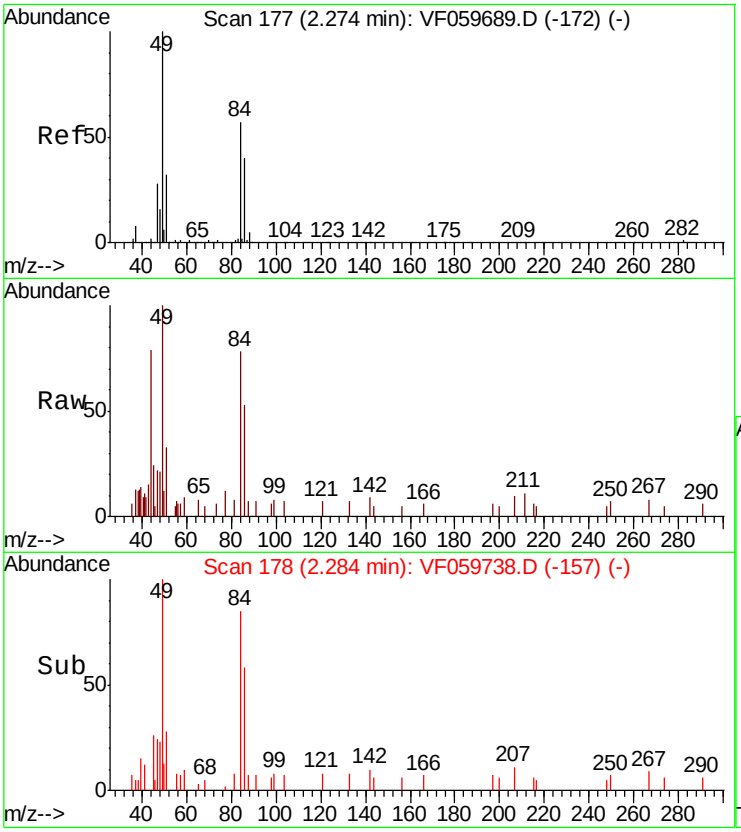


#17
Carbon Disulfide
Concen: Below Cal
RT: 1.72 min Scan# 121
Delta R.T. -0.16 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 76 Resp: 71

Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.9	13.3#



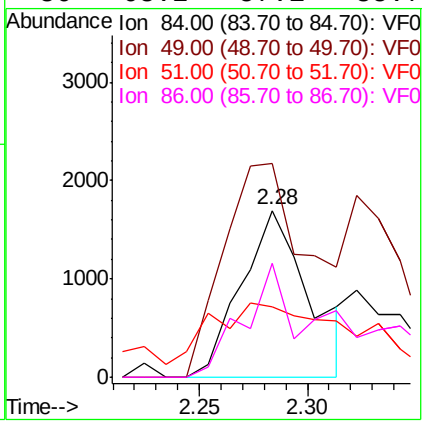


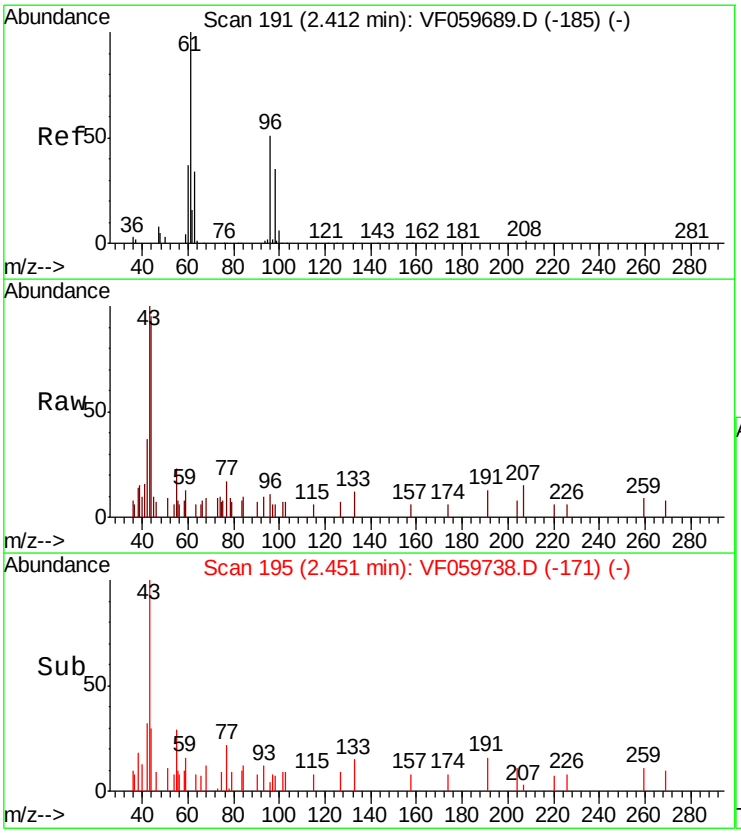
#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 3683

Ion	Ratio	Lower	Upper
84	100		
49	128.2	142.2	213.4#
51	42.4	46.2	69.2#
86	68.2	57.1	85.7

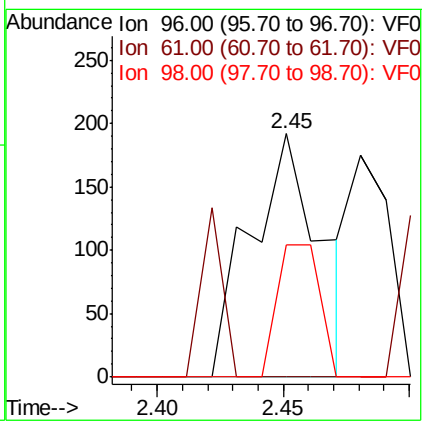


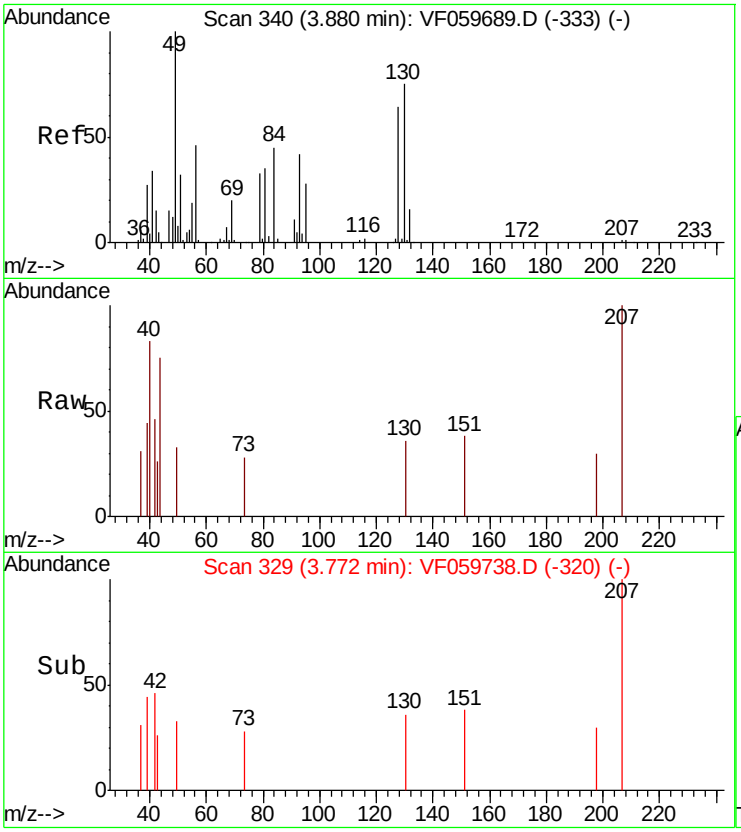


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.04 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 96 Resp: 373

Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.0#
98	54.2	55.0	82.4#



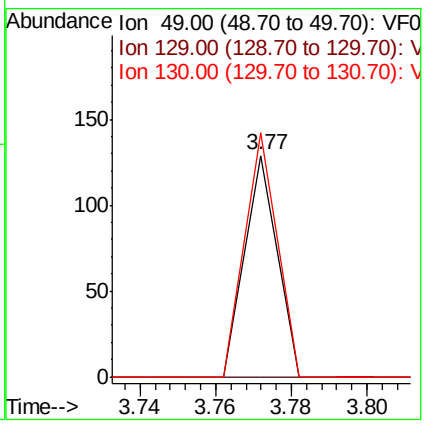


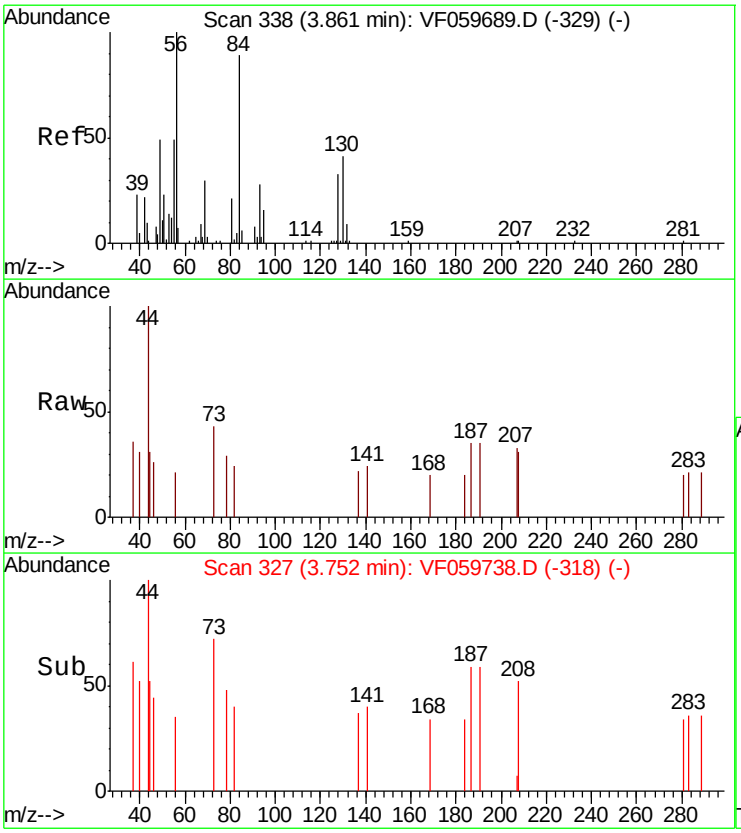
#28
Bromochloromethane
Concen: Below Cal
RT: 3.77 min Scan# 329
Delta R.T. -0.11 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 49 Resp: 76

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	110.1	59.6	89.4#

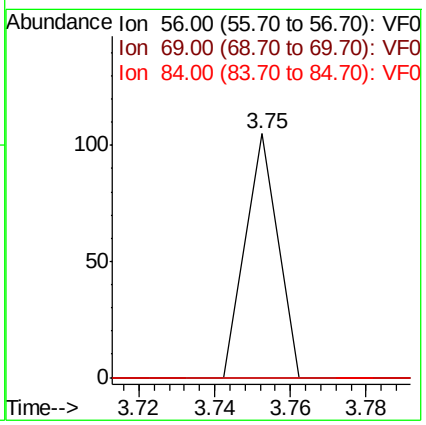


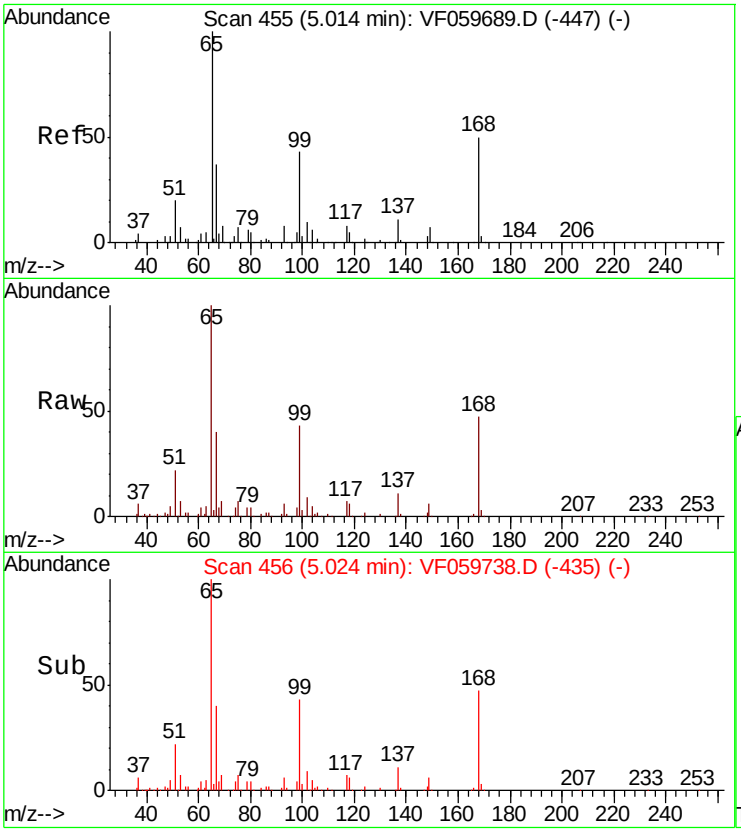


#31
Cyclohexane
Concen: Below Cal
RT: 3.75 min Scan# 327
Delta R.T. -0.11 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 56 Resp: 62

Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.7	35.5#
84	0.0	71.1	106.7#



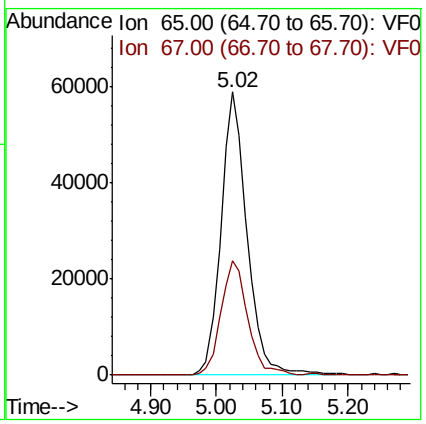


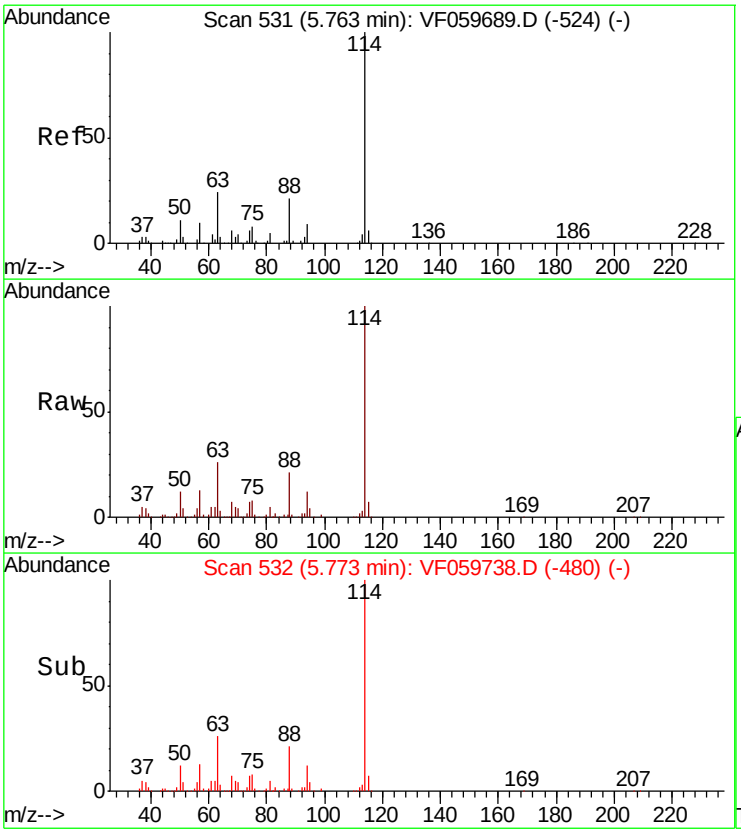
#33
1,2-Dichloroethane-d4
Concen: 48.308 ug/l
RT: 5.02 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 163519

Ion	Ratio	Lower	Upper
65	100		
67	40.2	0.0	84.6

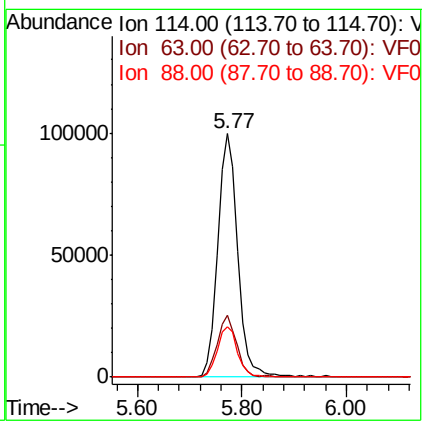


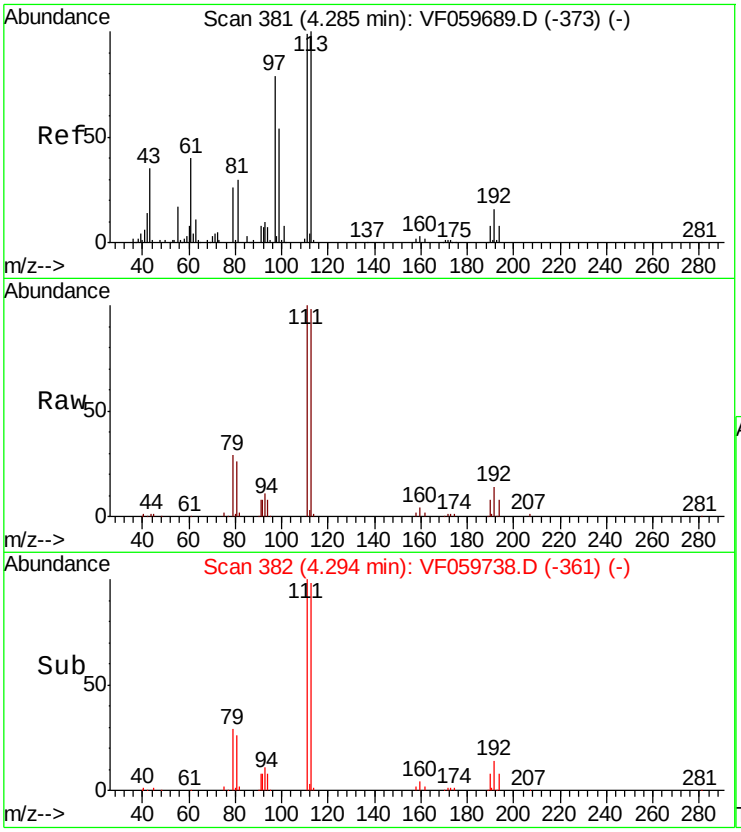


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 532
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:114 Resp: 265462

Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	47.4
88	20.8	0.0	41.2



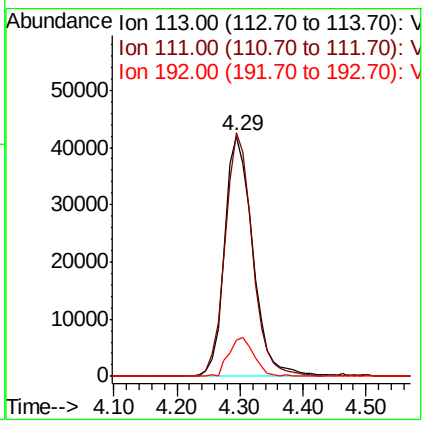


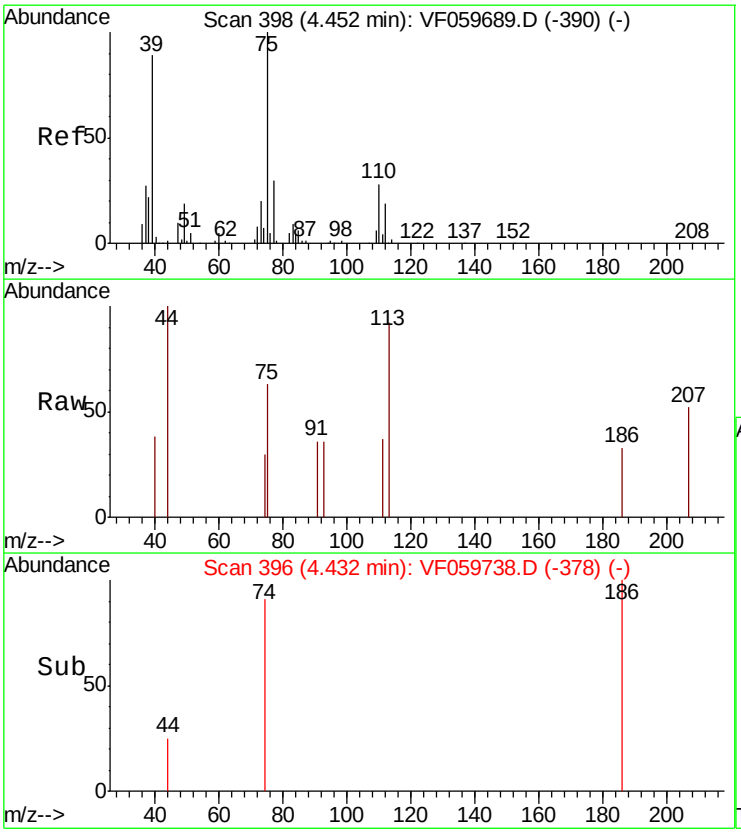
#35
Dibromofluoromethane
Concen: 47.011 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 129619

Ion	Ratio	Lower	Upper
113	100		
111	101.5	79.0	118.4
192	15.1	13.2	19.8

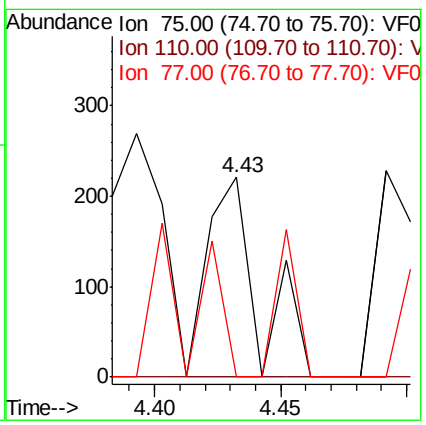


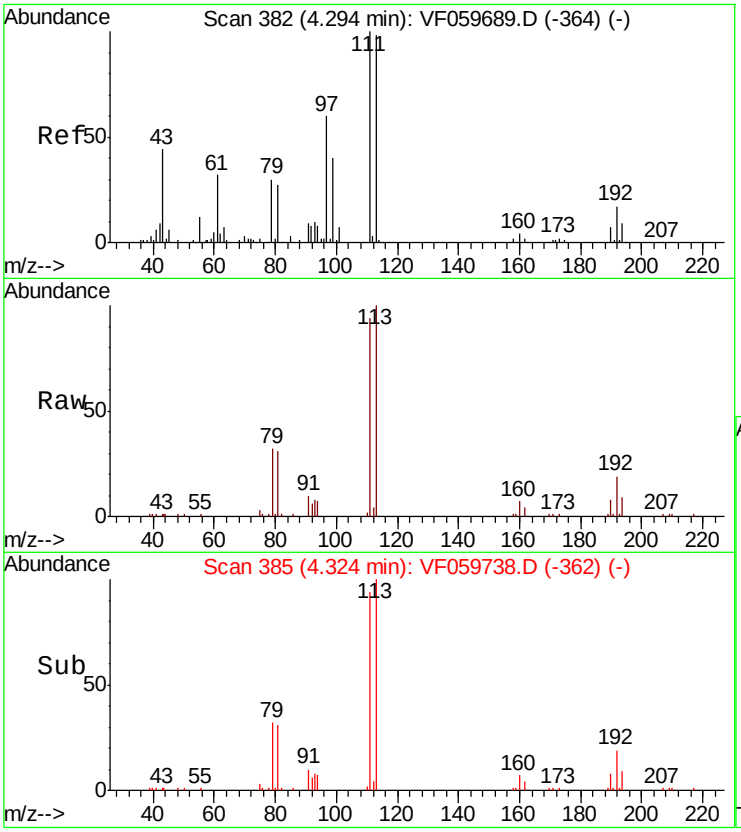


#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.43 min Scan# 396
Delta R.T. -0.02 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 75 Resp: 312

Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.0	41.9#
77	0.0	24.2	36.2#



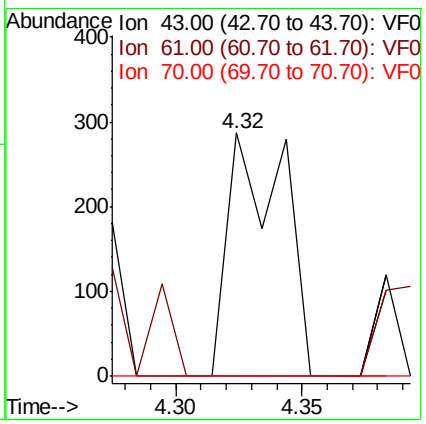


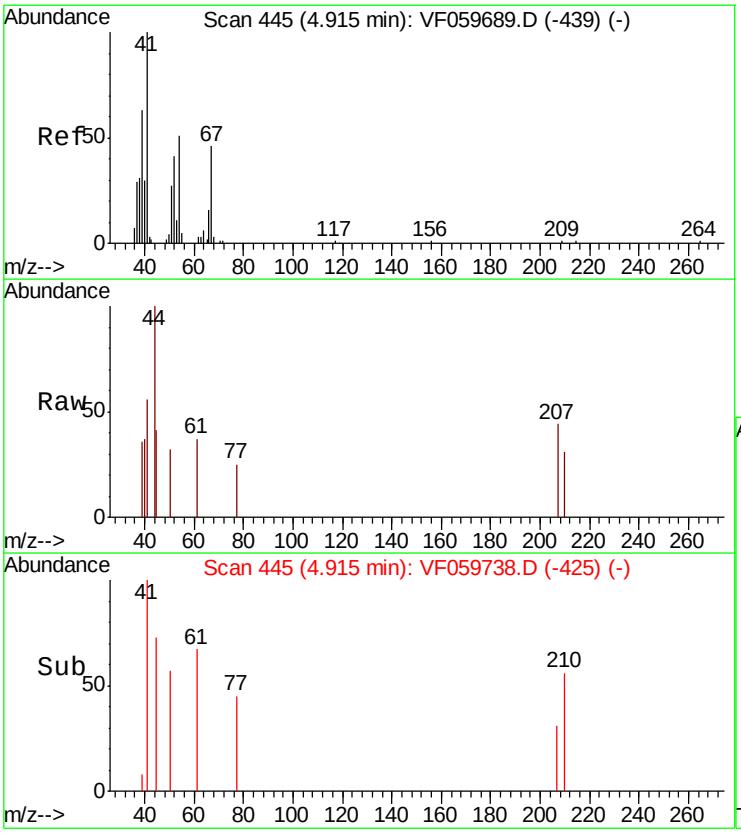
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 438

Ion	Ratio	Lower	Upper
43	100		
61	0.0	58.2	87.2#
70	0.0	6.0	9.0#

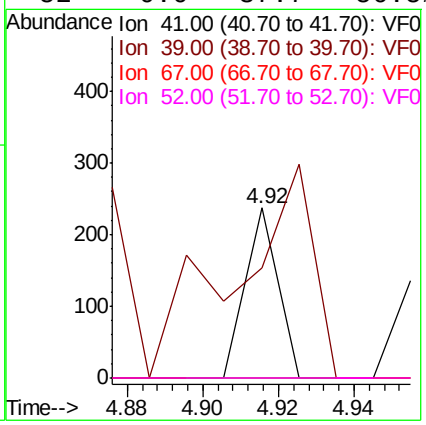


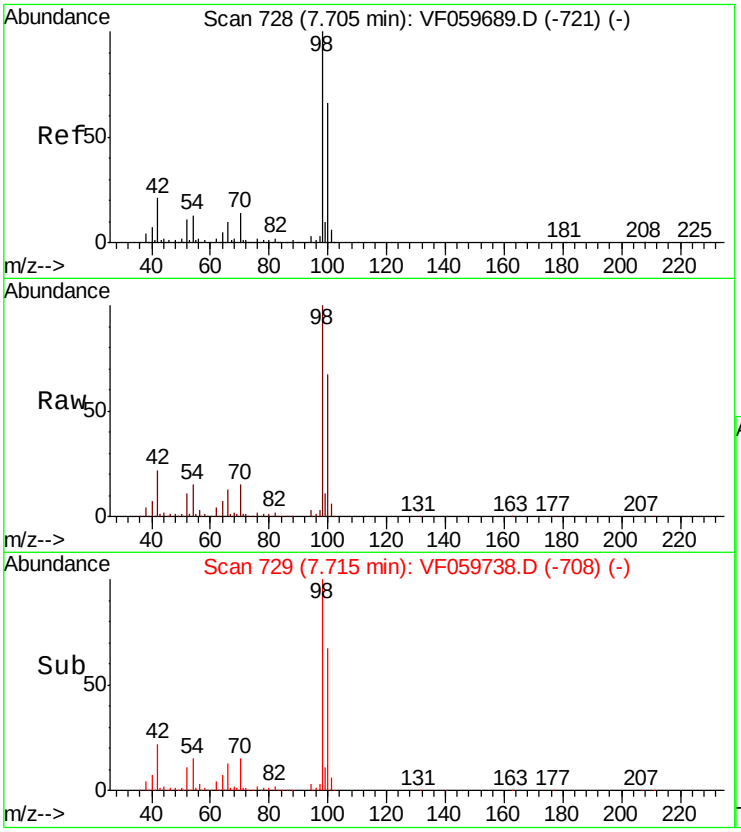


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 41 Resp: 140

Ion	Ratio	Lower	Upper
41	100		
39	65.0	55.2	82.8
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



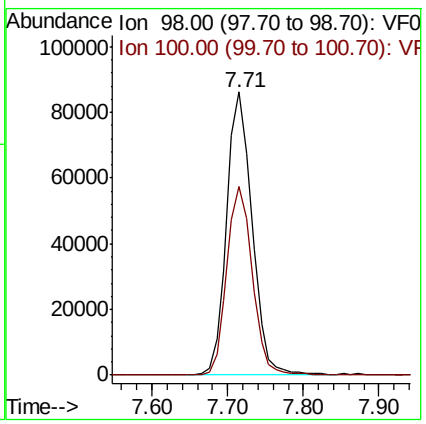


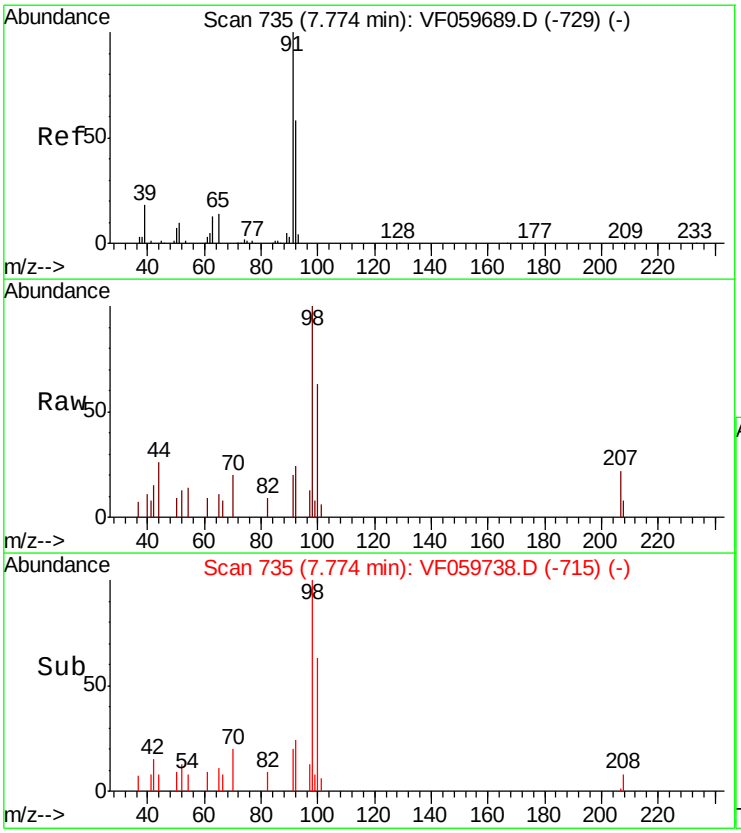
#50
Toluene-d8
Concen: 31.136 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 200194

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2

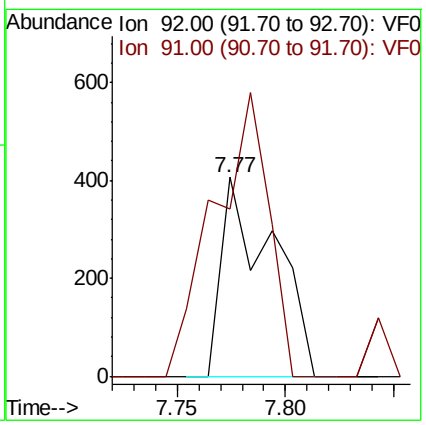


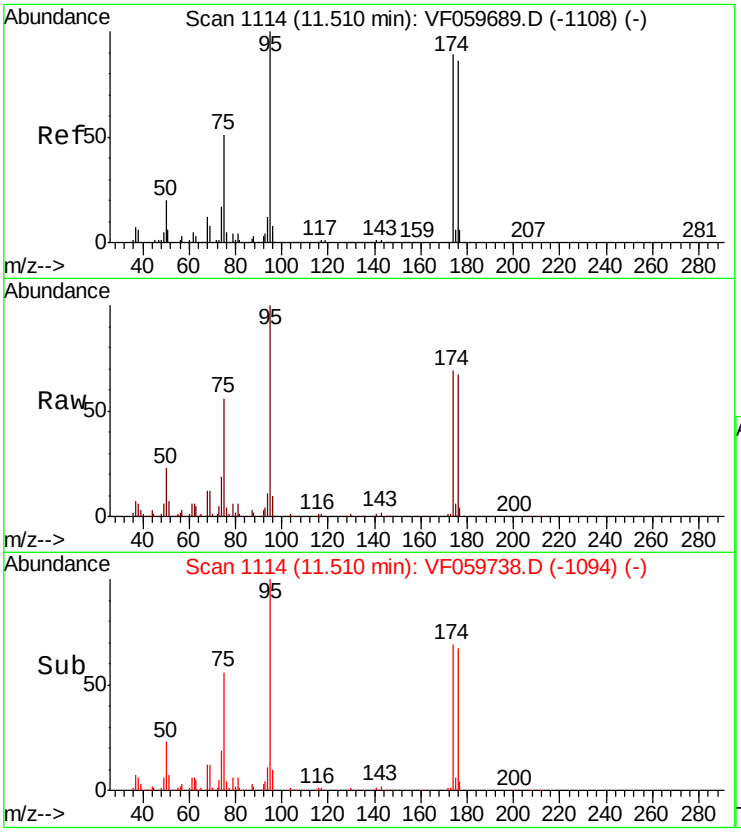


#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 92 Resp: 674

Ion	Ratio	Lower	Upper
92	100		
91	84.5	139.0	208.4#



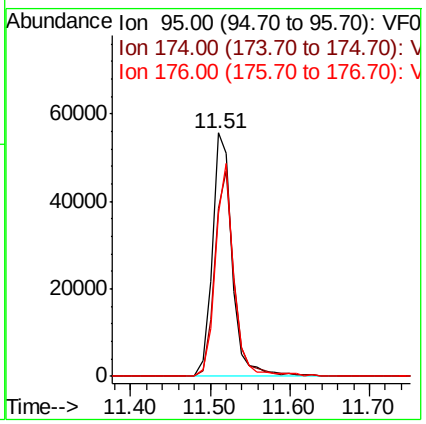


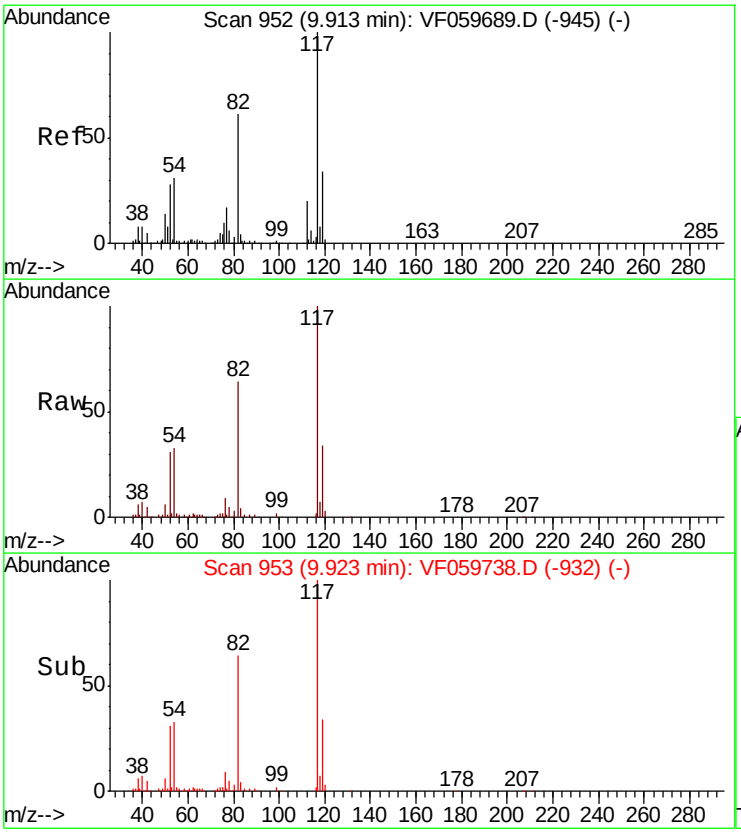
#62
4-Bromofluorobenzene
Concen: 27.579 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 98168

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	178.4
176	66.9	0.0	173.0

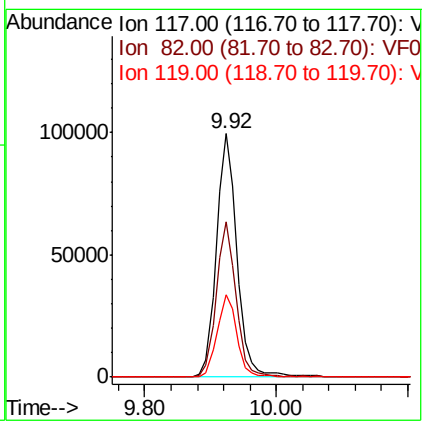


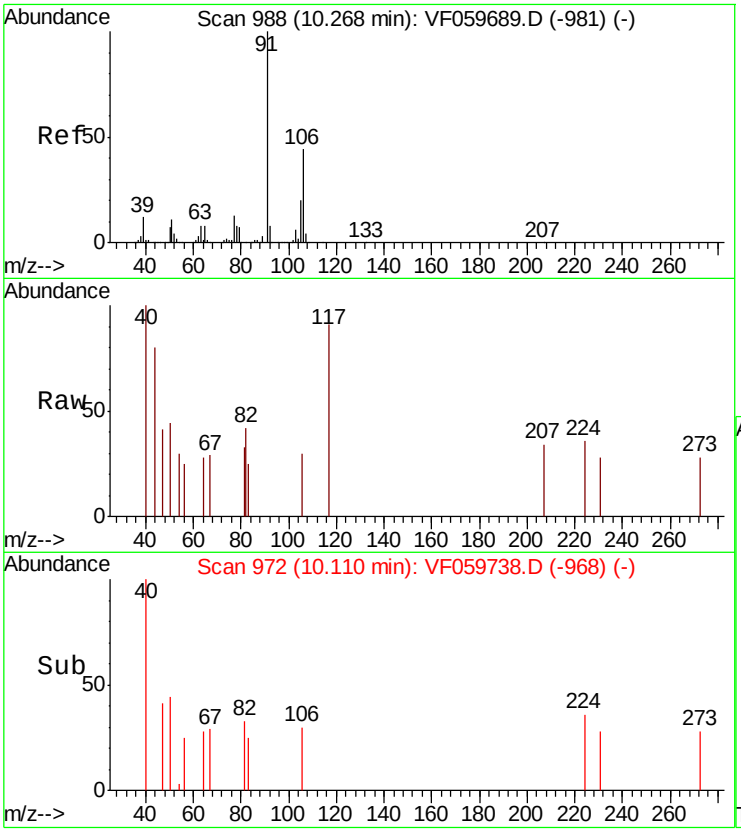


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:117 Resp: 216505

Ion	Ratio	Lower	Upper
117	100		
82	63.6	49.0	73.4
119	33.7	27.3	40.9



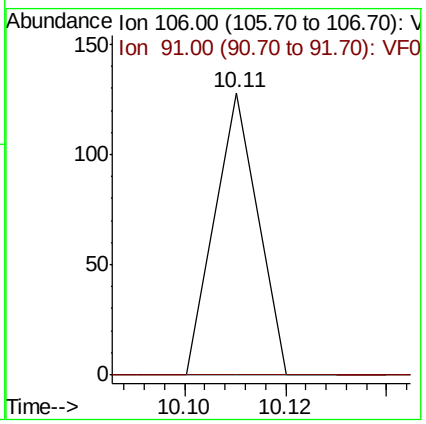


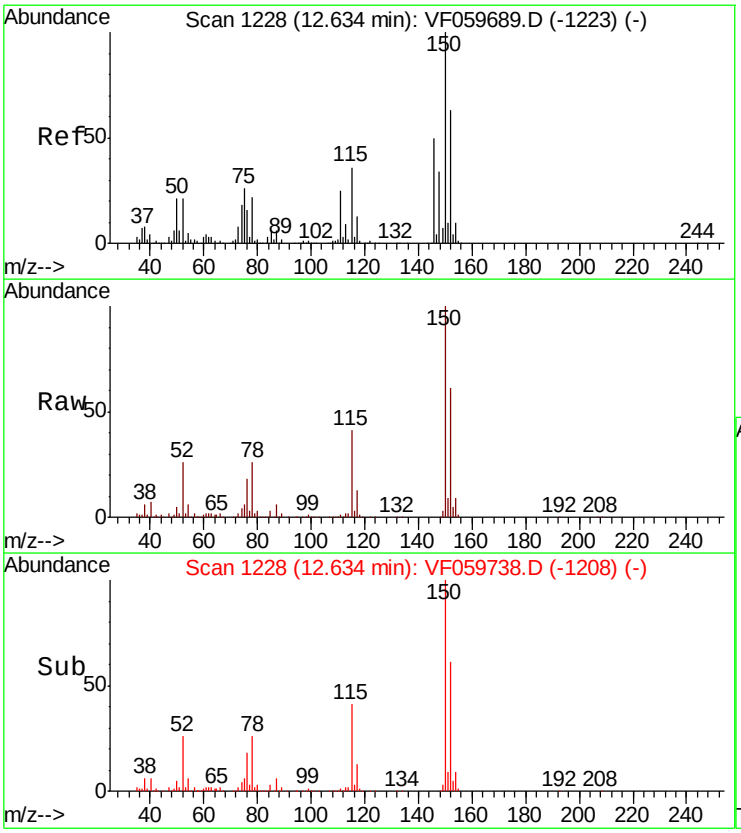
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.11 min Scan# 972
Delta R.T. -0.16 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 76

Ion	Ratio	Lower	Upper
106	100		
91	0.0	181.7	272.5#

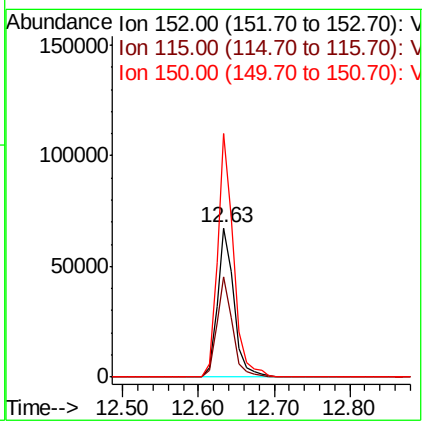


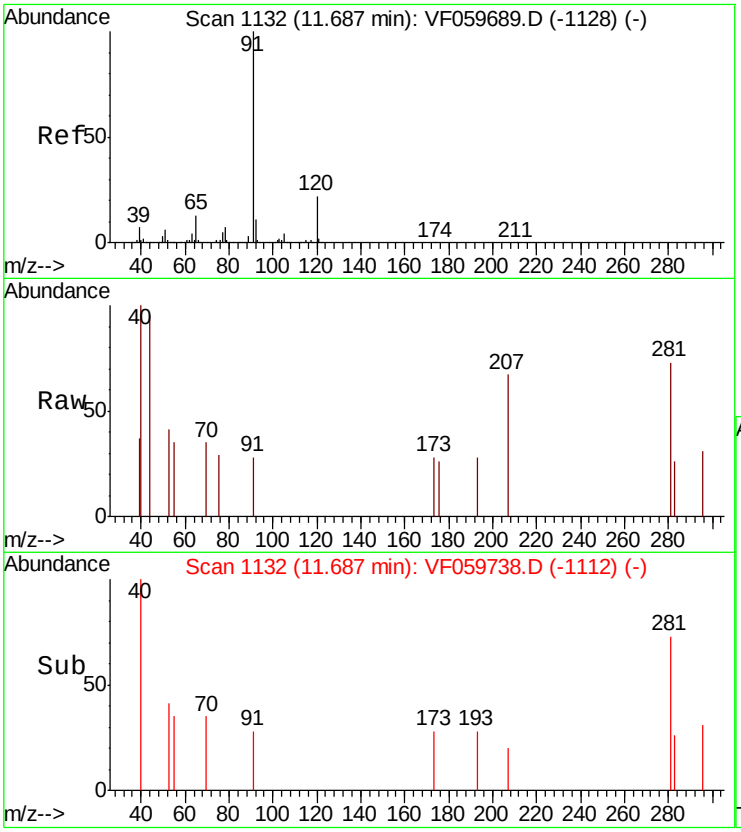


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:152 Resp: 103493

Ion	Ratio	Lower	Upper
152	100		
115	67.2	28.2	84.6
150	163.3	0.0	316.2



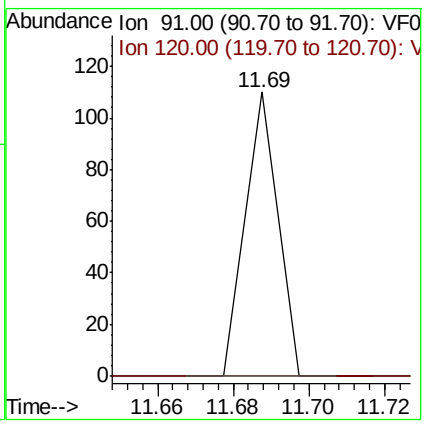


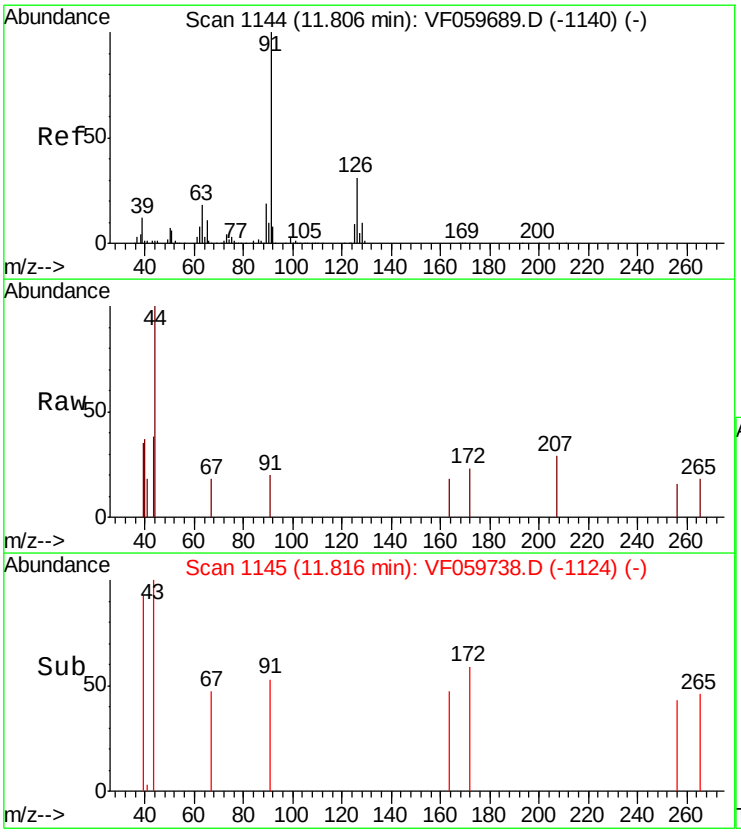
#78
n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 65

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0#

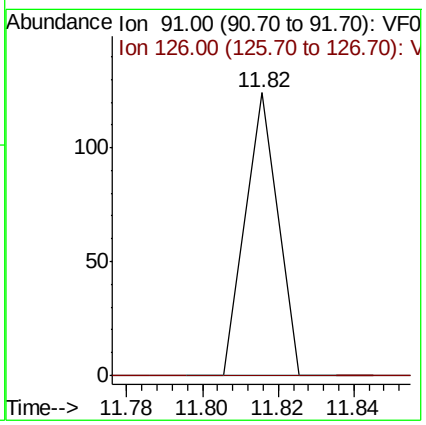


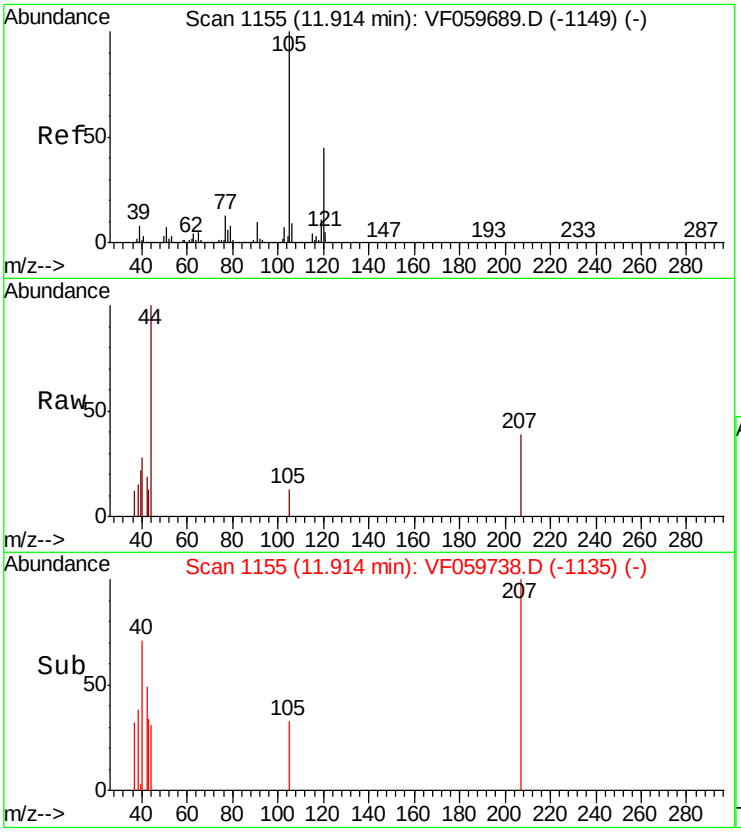


#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.82 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 91 Resp: 73

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.4	46.2#



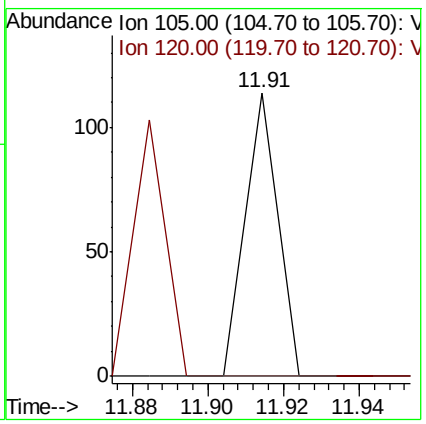


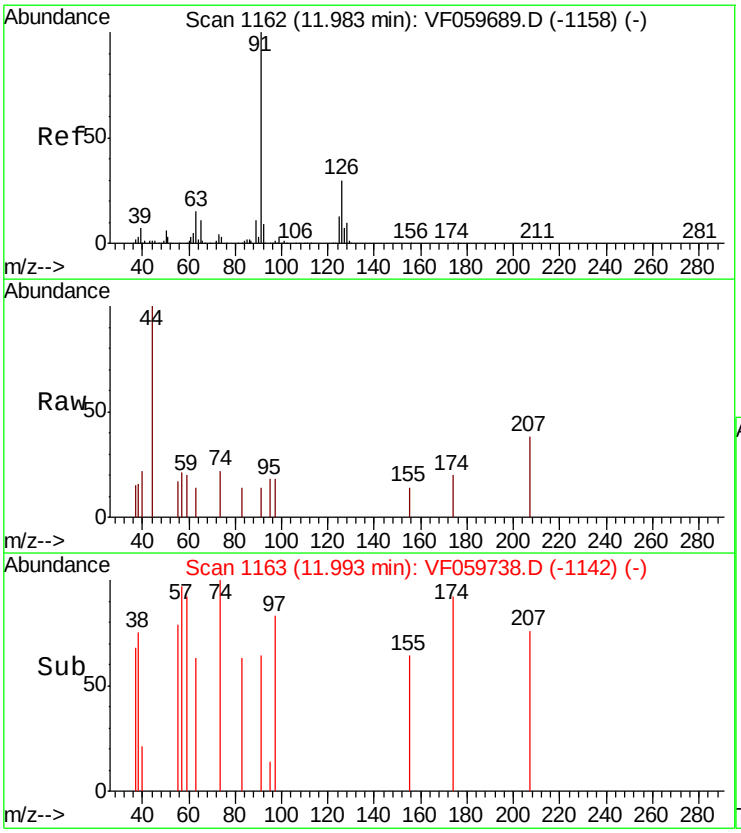
#80
1,3,5-Trimethylbenzene
Concen: Below Cal
RT: 11.91 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 67

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	68.0#

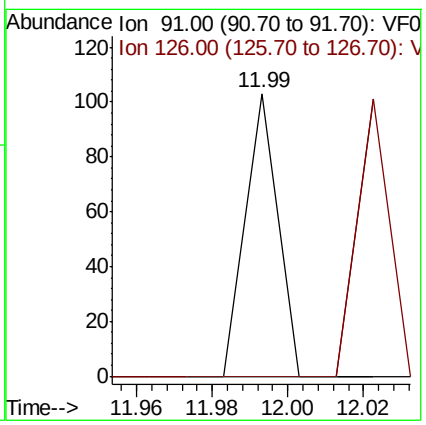


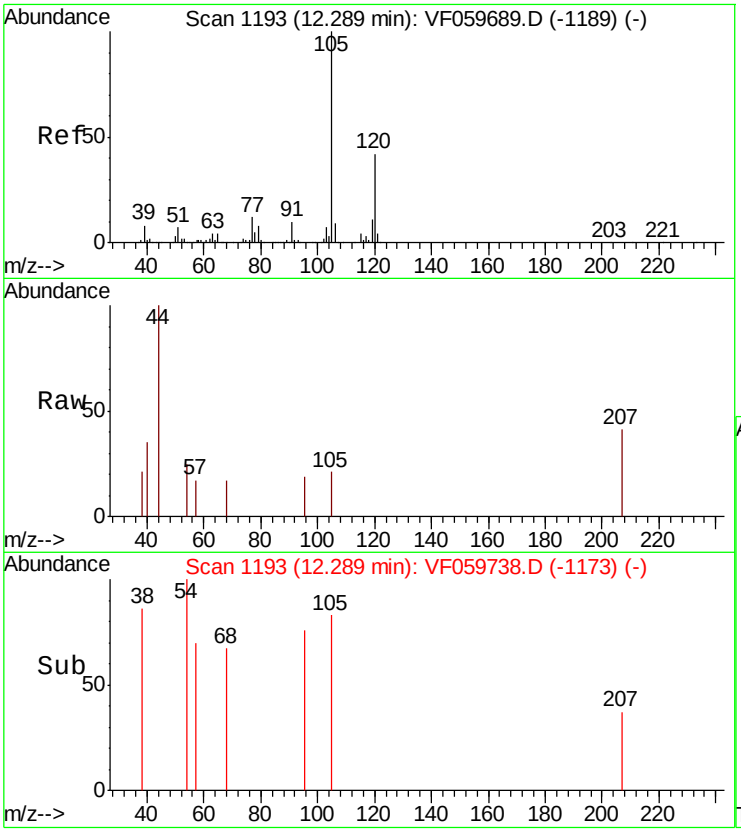


#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.99 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 91 Resp: 61

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.2	45.6#



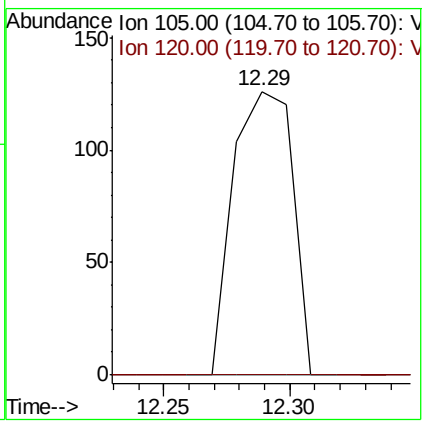


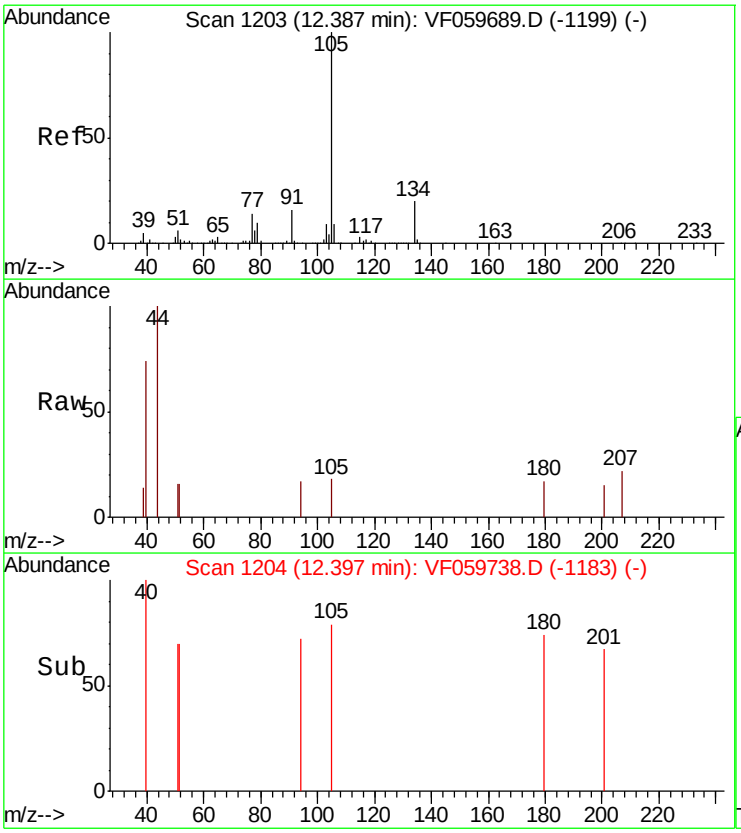
#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 207

Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.1	63.3#

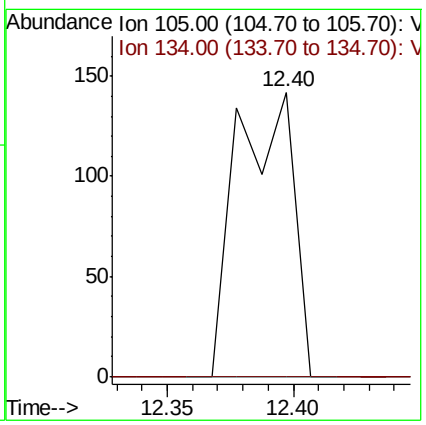


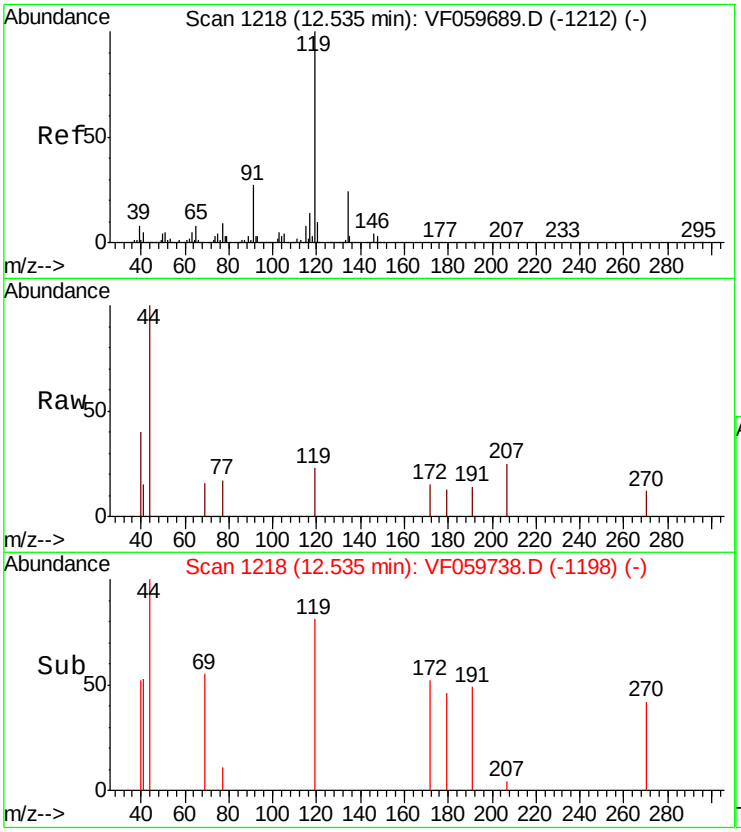


#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:105 Resp: 223

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.3#



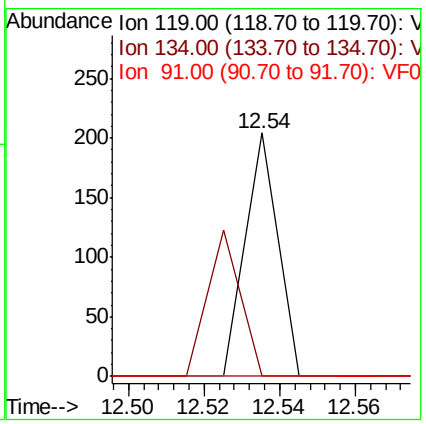


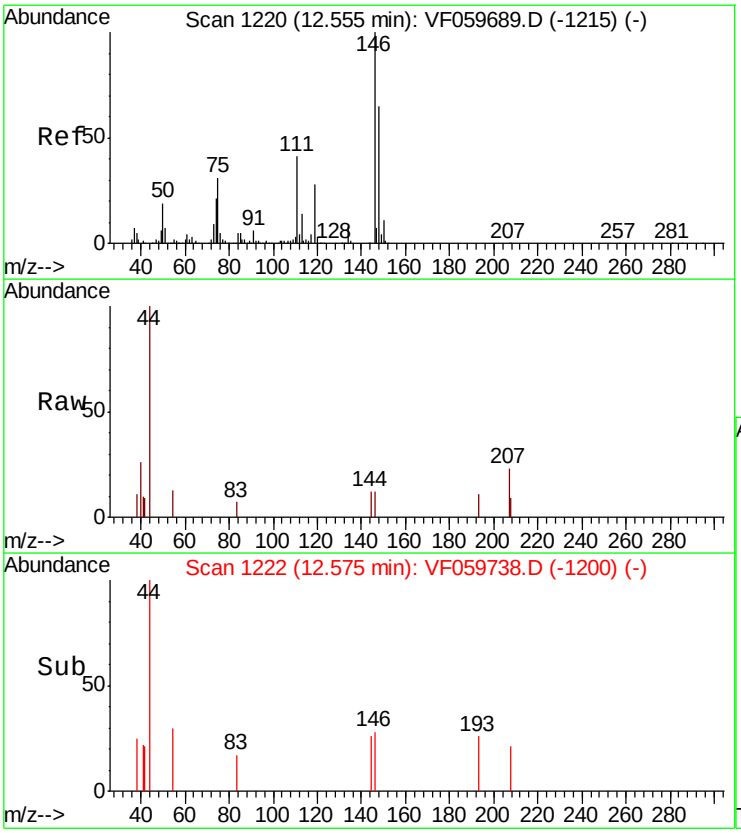
#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 121

Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#

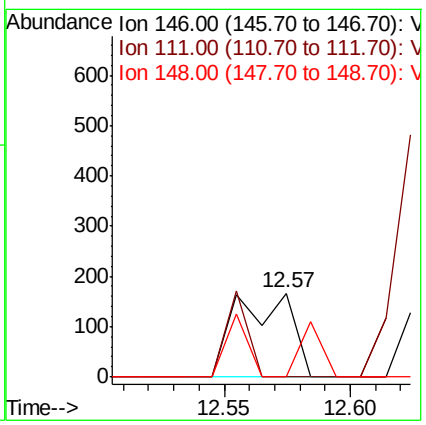


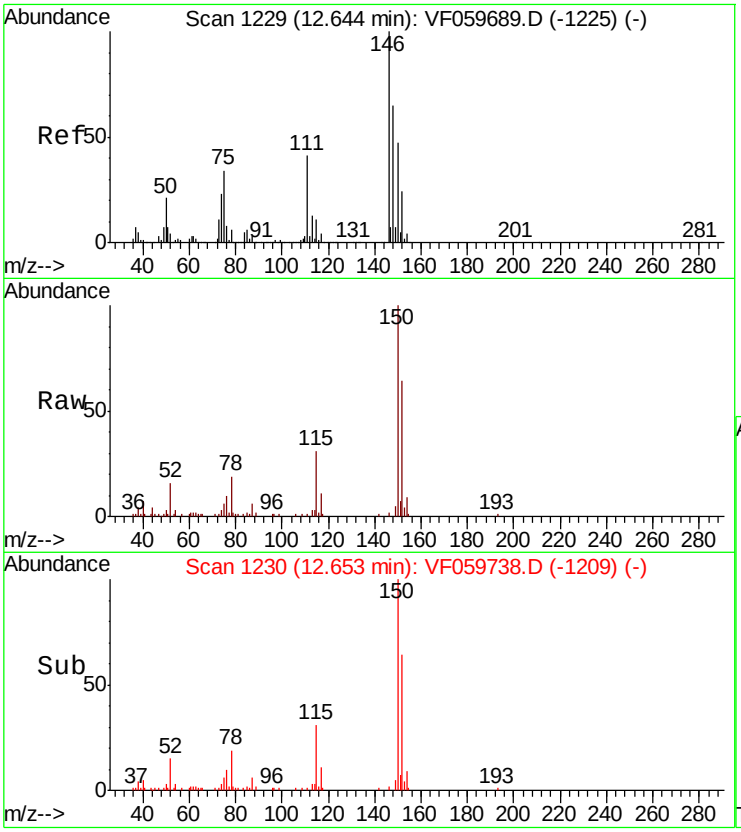


#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.57 min Scan# 1222
Delta R.T. 0.02 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:146 Resp: 255

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#



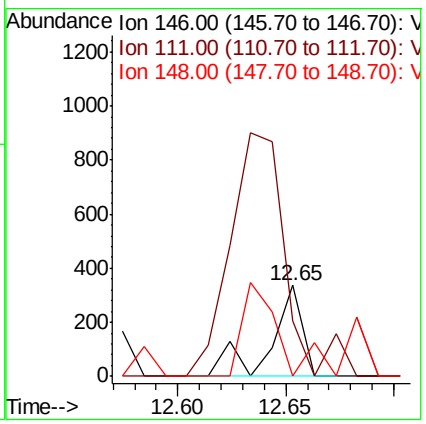


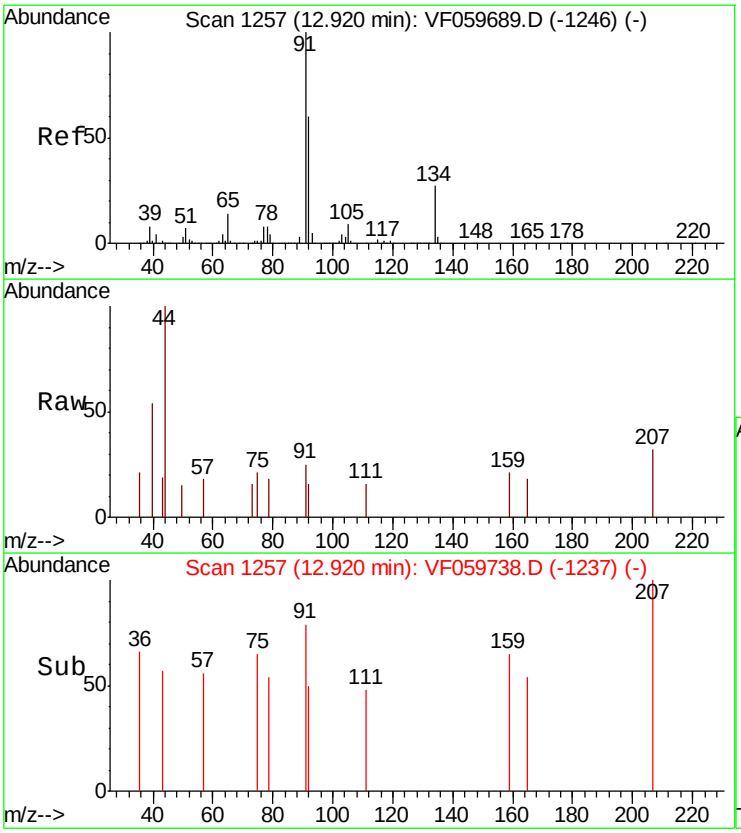
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 339

Ion	Ratio	Lower	Upper
146	100		
111	61.6	20.8	62.2
148	0.0	32.3	96.9#

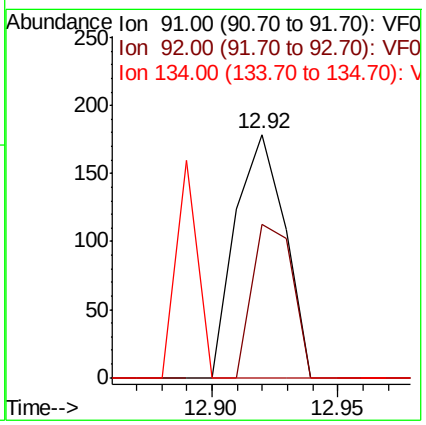


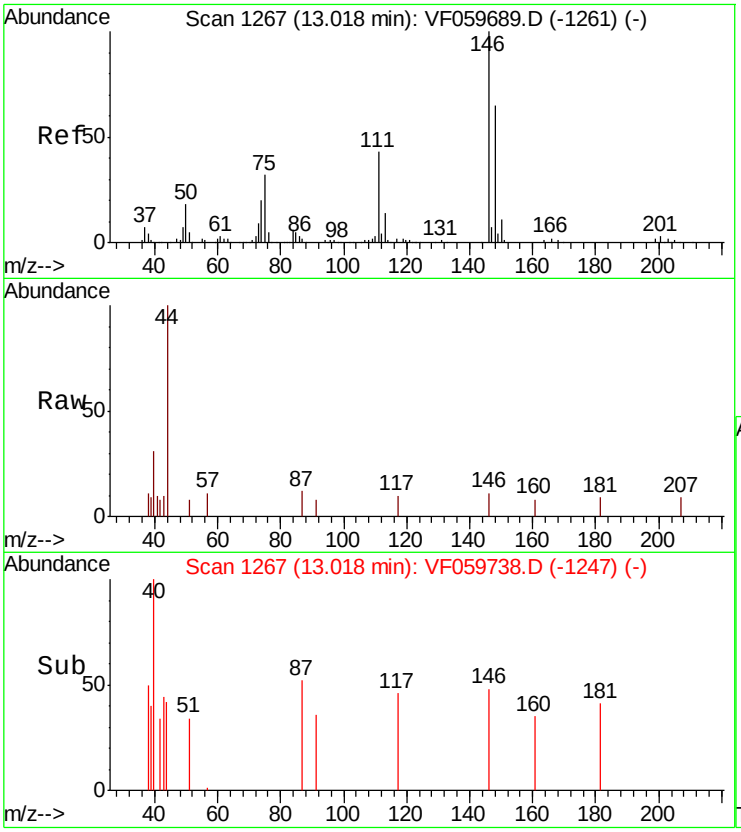


#89
n-Butylbenzene
Concen: Below Cal
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion: 91 Resp: 244

Ion	Ratio	Lower	Upper
91	100		
92	63.1	30.1	90.3
134	0.0	13.7	41.0#



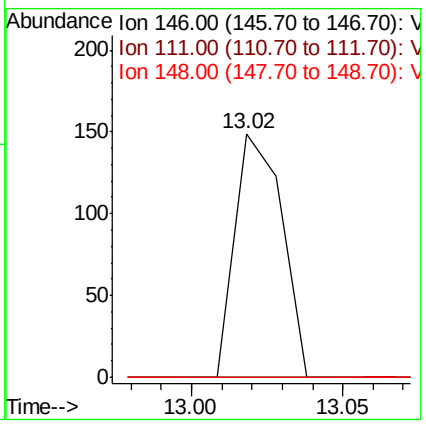


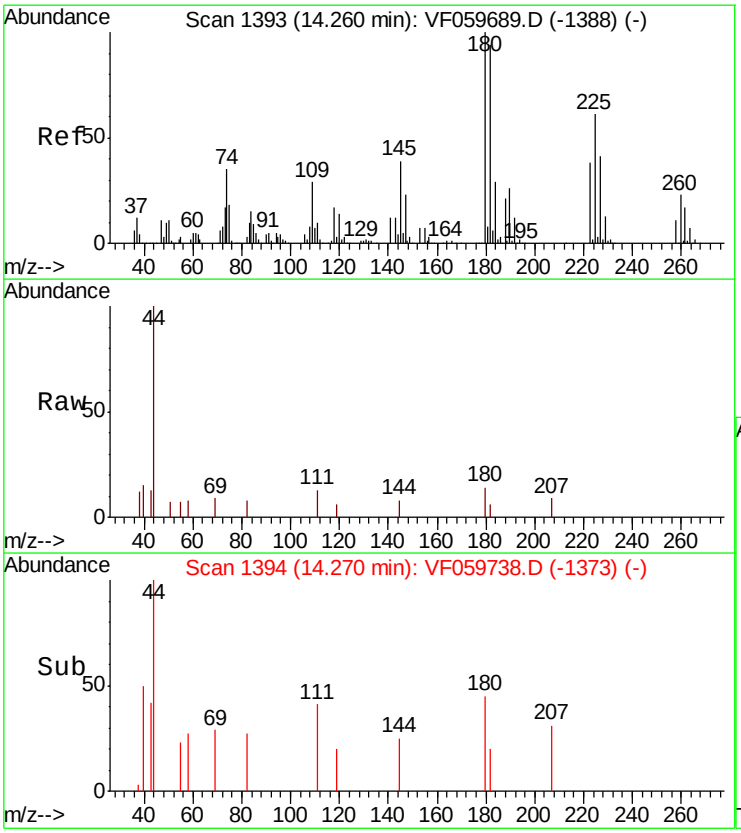
#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 161

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	0.0	32.3	96.9#





#93
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.27 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VF059738.D
Acq: 1 Aug 2018 6:26

Tgt Ion:180 Resp: 293

Ion	Ratio	Lower	Upper
180	100		
182	44.9	47.2	141.6#
145	0.0	19.3	57.9#