Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
Data File : VF061426.D
Acq On : 16 Jan 2019 22:05
Operator : VA/AP
Sample : K1167-11RE
Misc : 5.71g/5mL/MSVOA-F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Quant Time: Jan 17 02:57:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	193658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	367204	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	300361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	115815	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	127590	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery = 106.72%			
35) Dibromofluoromethane	4.11	113	145348	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery = 100.32%			
50) Toluene-d8	7.54	98	331822	41.80	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.60%			
62) 4-Bromofluorobenzene	11.40	95	152212	41.04	ug/l	0.00
Spiked Amount 50.000			Recovery = 82.08%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.54	59	139	1.373	ug/l #	64
13) Acrolein	2.00	56	1145	22.929	ug/l	85
14) Allyl chloride	2.11	41	694	Below Cal	#	65
15) Acrylonitrile	2.93	53	385	1.485	ug/l #	4
16) Acetone	2.23	43	34392	71.702	ug/l	97
18) Methyl Acetate	2.34	43	1991	2.093	ug/l	94
20) Methylene Chloride	2.24	84	13370	6.689	ug/l	96
23) Vinyl Acetate	3.21	43	684	3.444	ug/l #	78
25) 2-Butanone	4.32	43	9931	12.450	ug/l #	79
29) Tetrahydrofuran	4.07	42	1649	4.801	ug/l #	55
40) Benzene	4.62	78	23215	2.450	ug/l	99
51) 4-Methyl-2-Pentanone	8.26	43	2992	1.905	ug/l #	79
52) Toluene	7.61	92	36922	5.918	ug/l	98
56) Ethyl methacrylate	8.61	69	3827	1.857	ug/l #	83
59) 2-Hexanone	9.49	43	2146	1.960	ug/l	71
74) N-amyl acetate	11.39	43	5215	2.341	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.66	83	12429	7.407	ug/l #	33
92) 1,2-Dibromo-3-Chloropropan	13.63	75	373	1.253	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	2723	1.045	ug/l	89
95) Naphthalene	14.45	128	7224	1.459	ug/l #	1

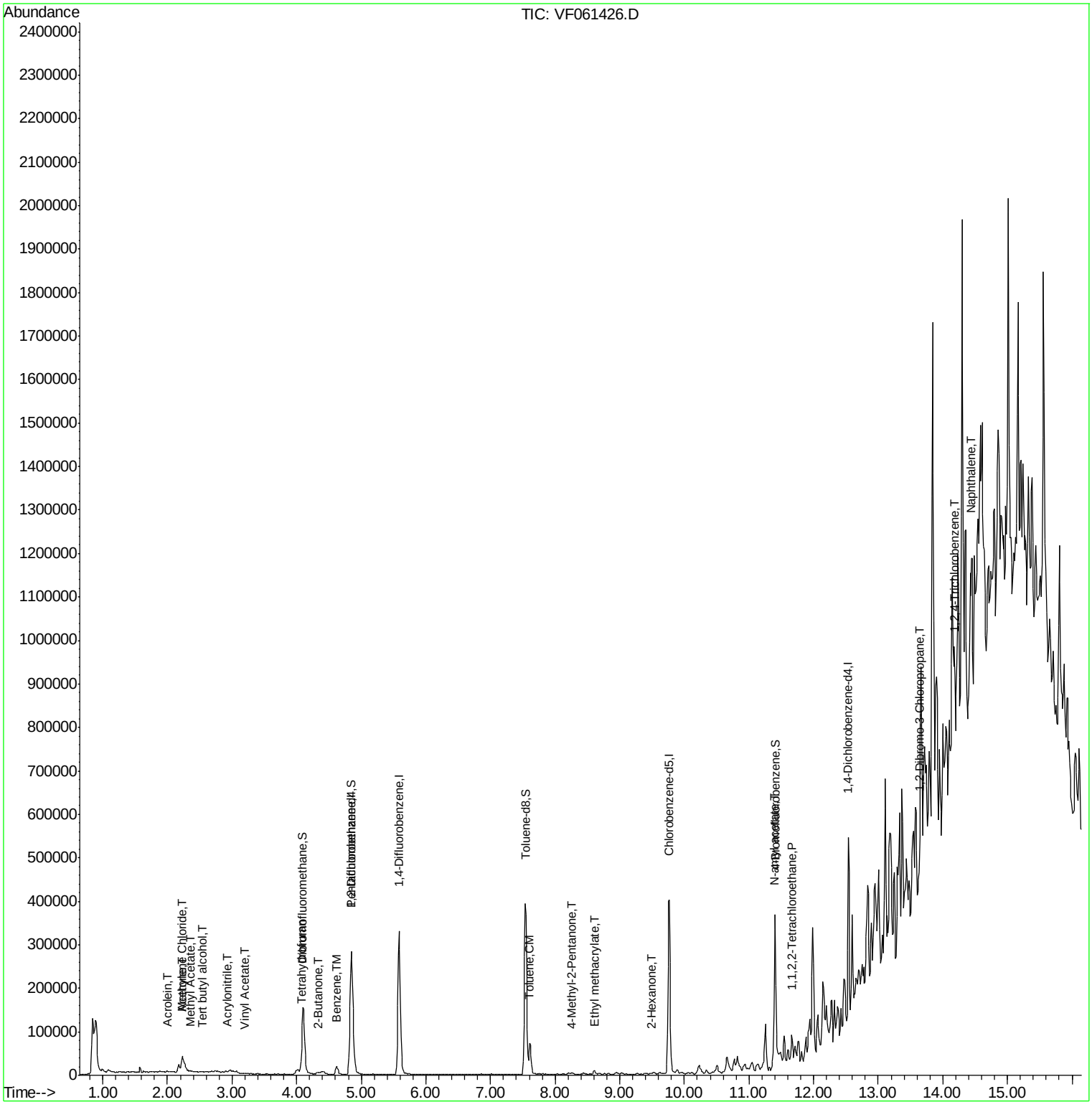
(#) = qualifier out of range (m) = manual integration (+) = signals summed

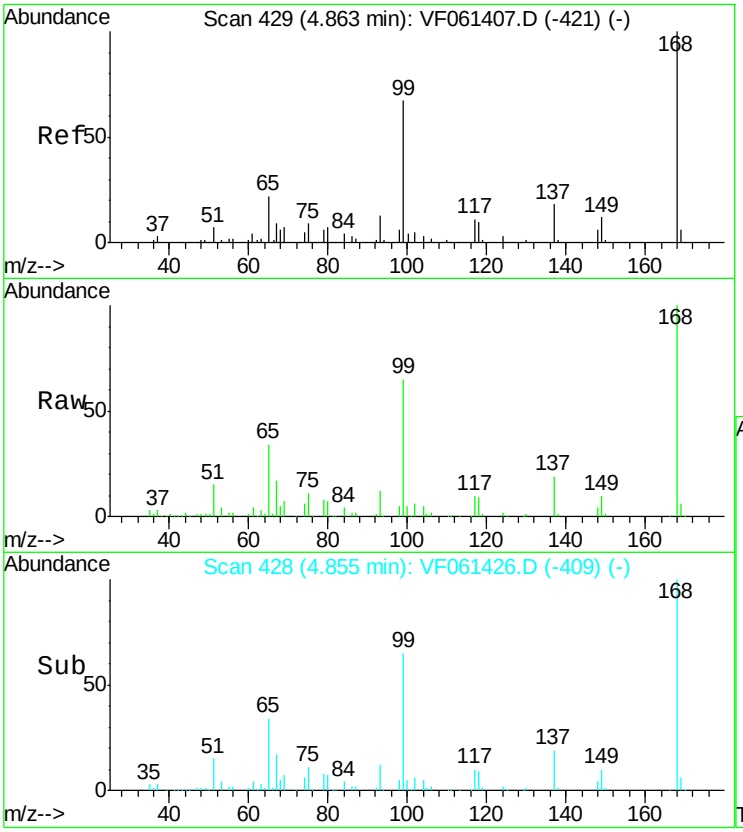
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
Data File : VF061426.D
Acq On : 16 Jan 2019 22:05
Operator : VA/AP
Sample : K1167-11RE
Misc : 5.71g/5mL/MSVOA-F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Quant Time: Jan 17 02:57:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration



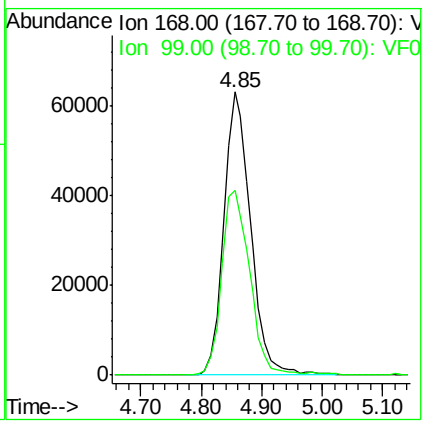


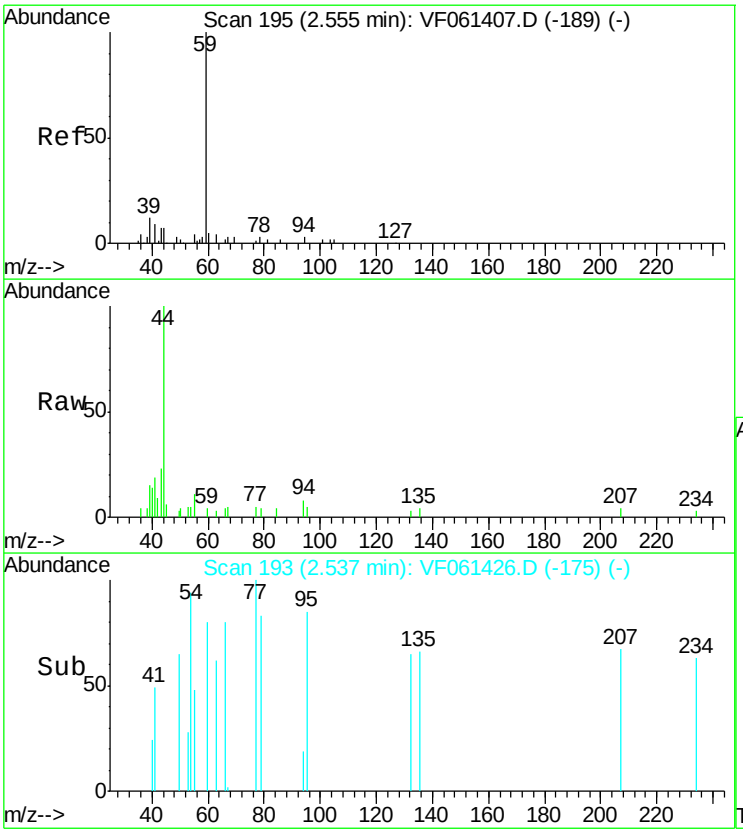
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion:168 Resp: 193658

Ion	Ratio	Lower	Upper
168	100		
99	65.1	53.5	80.3

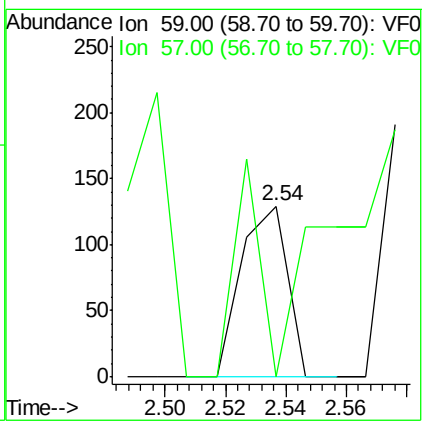


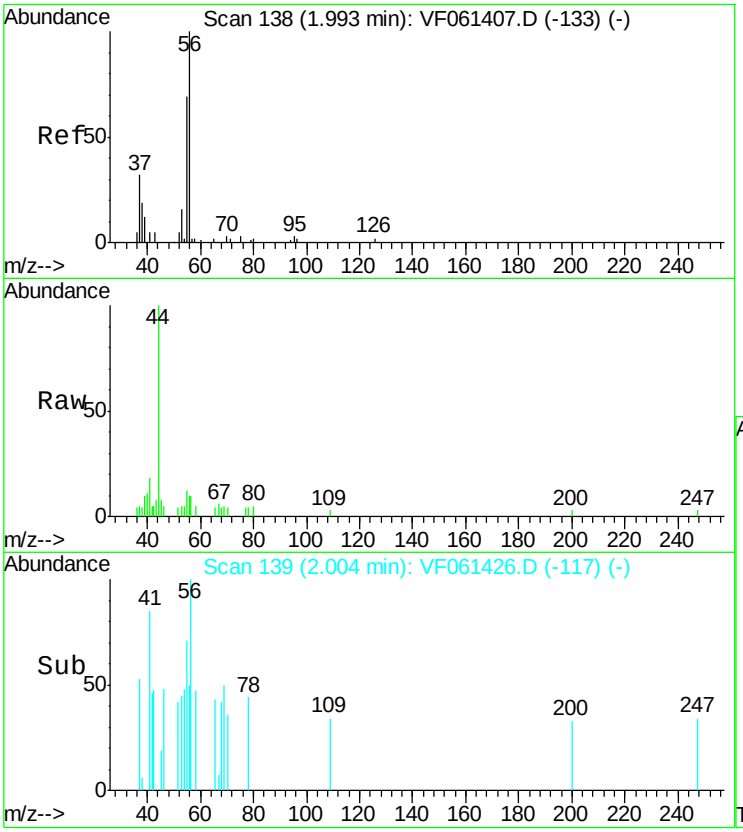


#11
Tert butyl alcohol
Concen: 1.373 ug/l
RT: 2.54 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 59 Resp: 139

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.9	17.9#



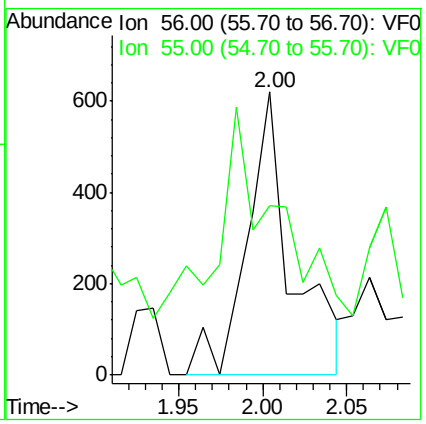


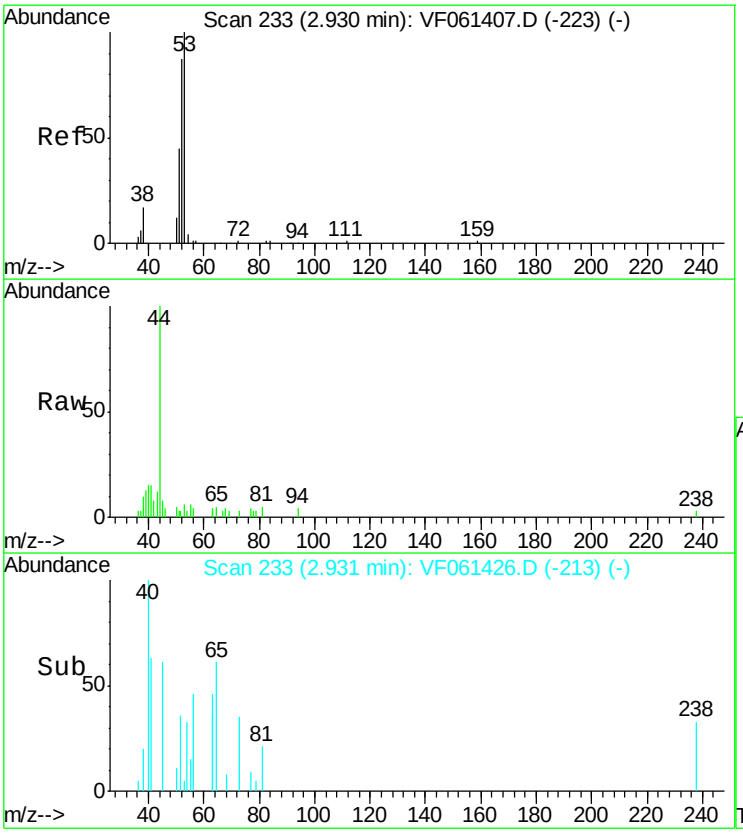
#13
Acrolein
Concen: 22.929 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Tgt Ion: 56 Resp: 1145

Ion	Ratio	Lower	Upper
56	100		
55	59.7	57.5	86.3

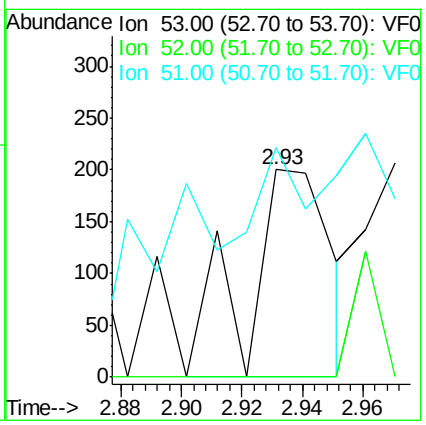


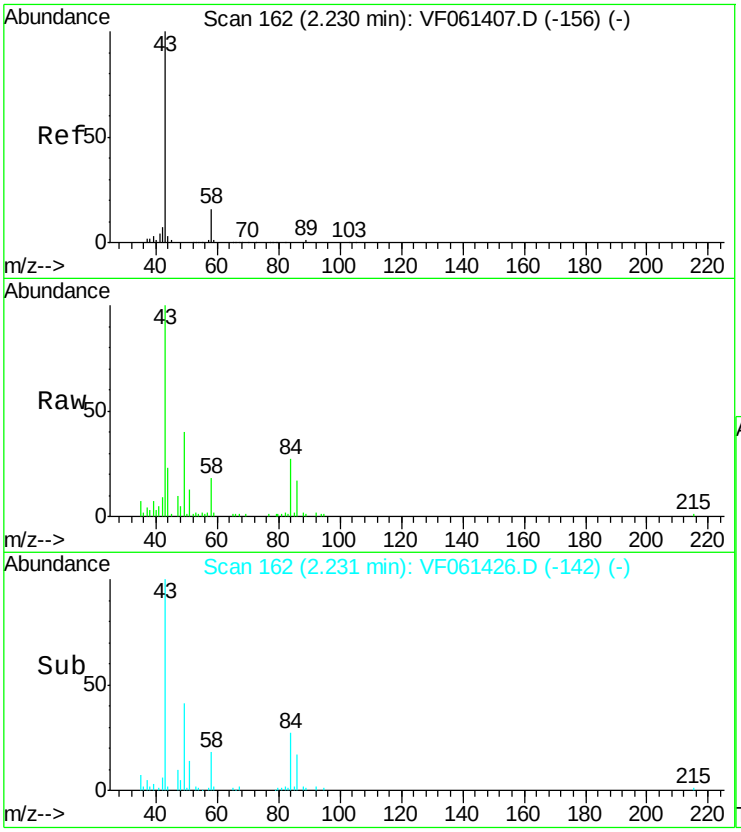


#15
Acrylonitrile
Concen: 1.485 ug/l
RT: 2.93 min Scan# 233
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 53 Resp: 385

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	111.0	36.8	55.2#



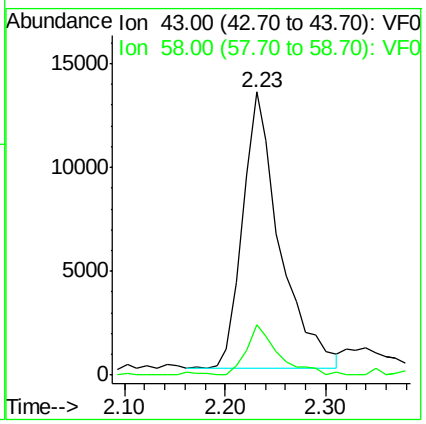


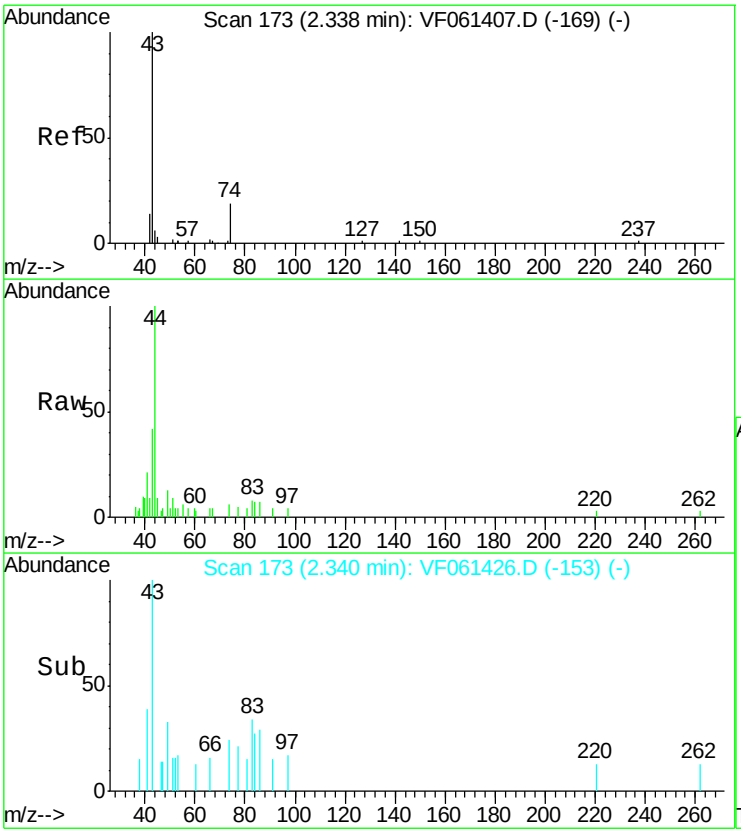
#16
Acetone
Concen: 71.702 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 43 Resp: 34392

Ion	Ratio	Lower	Upper
43	100		
58	17.8	13.3	19.9

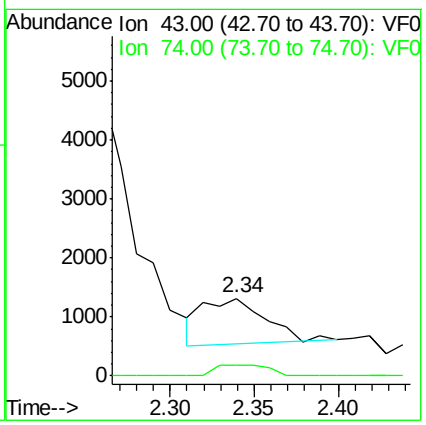


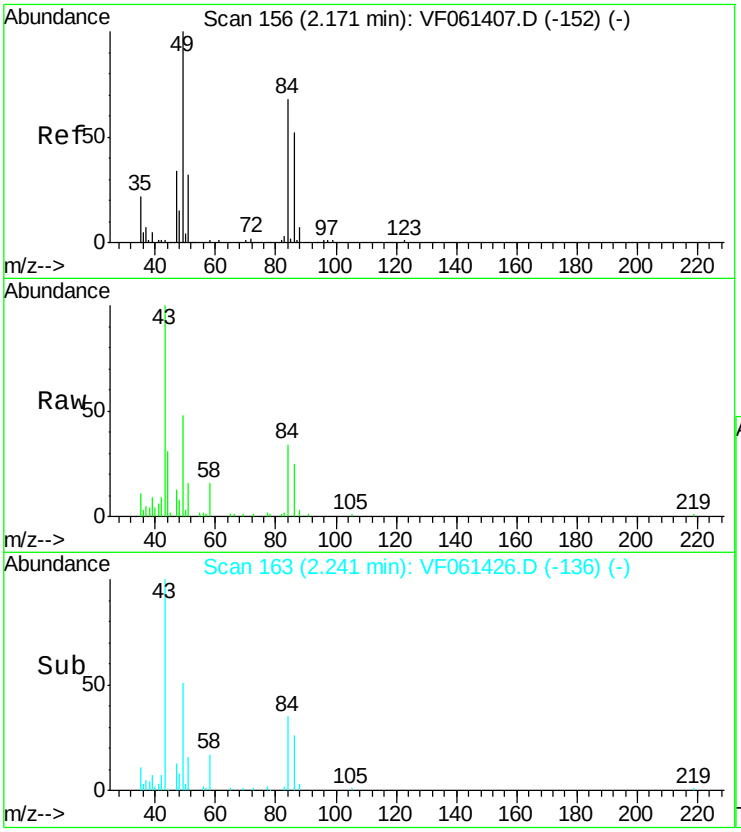


#18
Methyl Acetate
Concen: 2.093 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 43 Resp: 1991

Ion	Ratio	Lower	Upper
43	100		
74	13.9	13.4	20.0



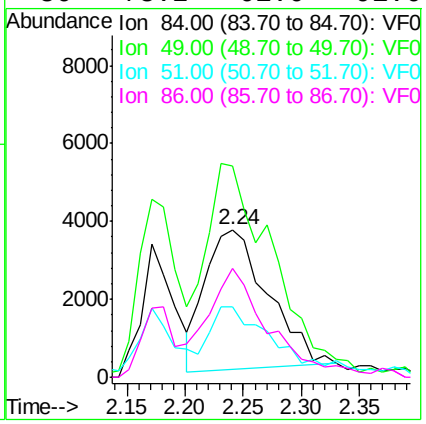


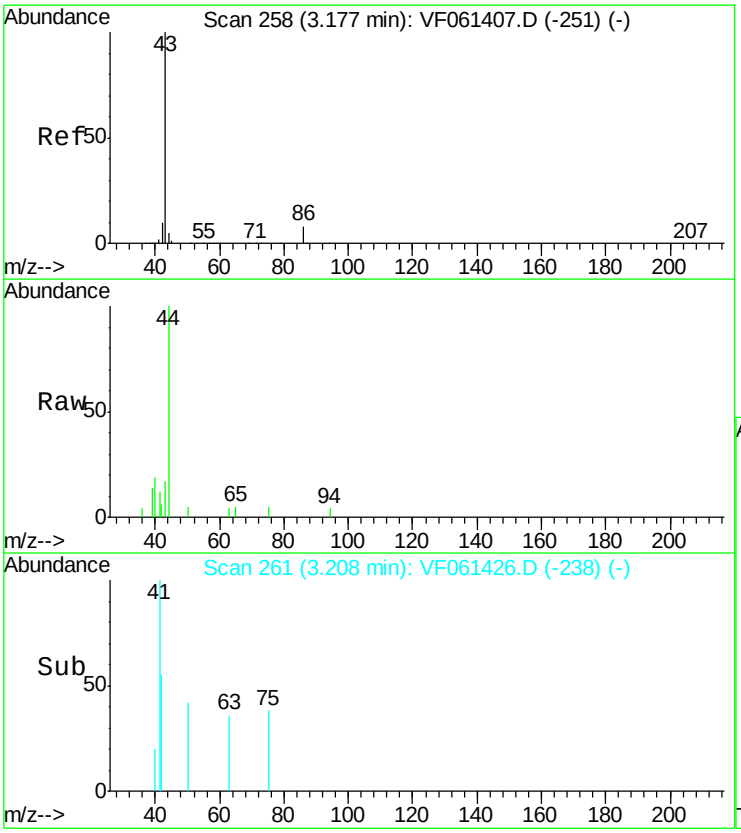
#20
Methylene Chloride
Concen: 6.689 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.07 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Tgt Ion: 84 Resp: 13370

Ion	Ratio	Lower	Upper
84	100		
49	143.0	120.0	180.0
51	47.2	38.6	58.0
86	73.2	61.0	91.6

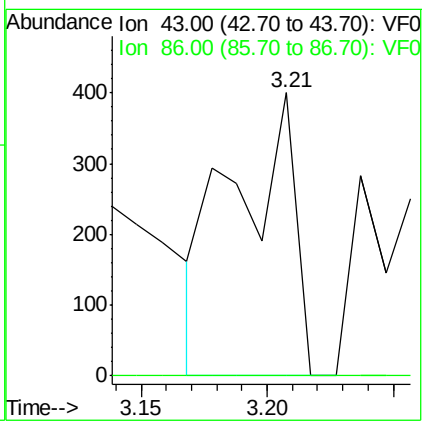


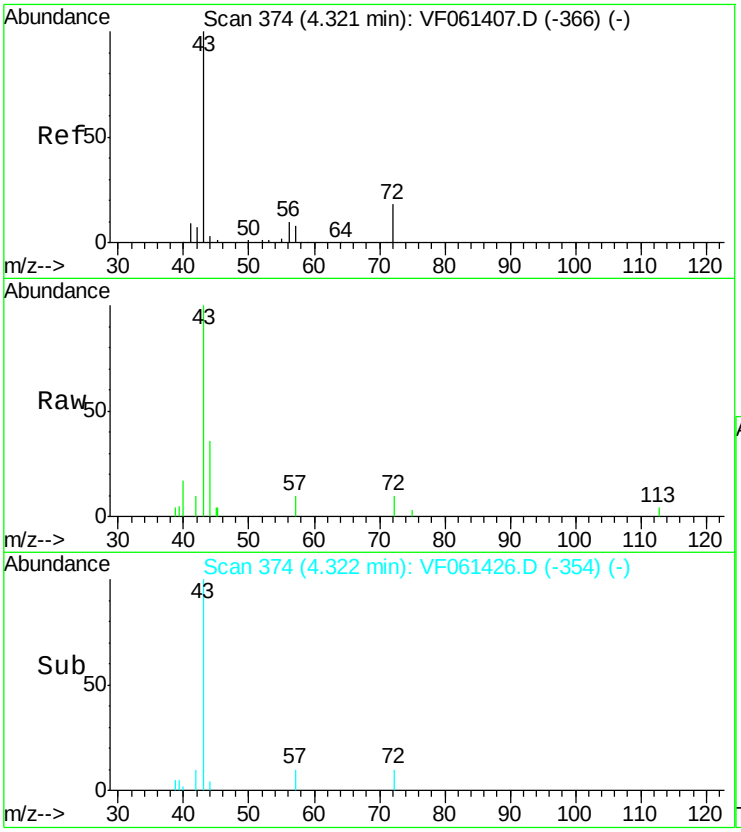


#23
Vinyl Acetate
Concen: 3.444 ug/l
RT: 3.21 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 43 Resp: 684

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#



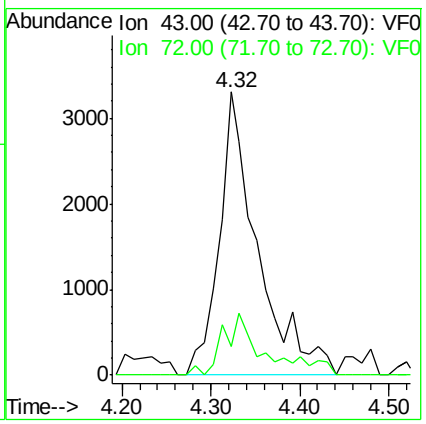


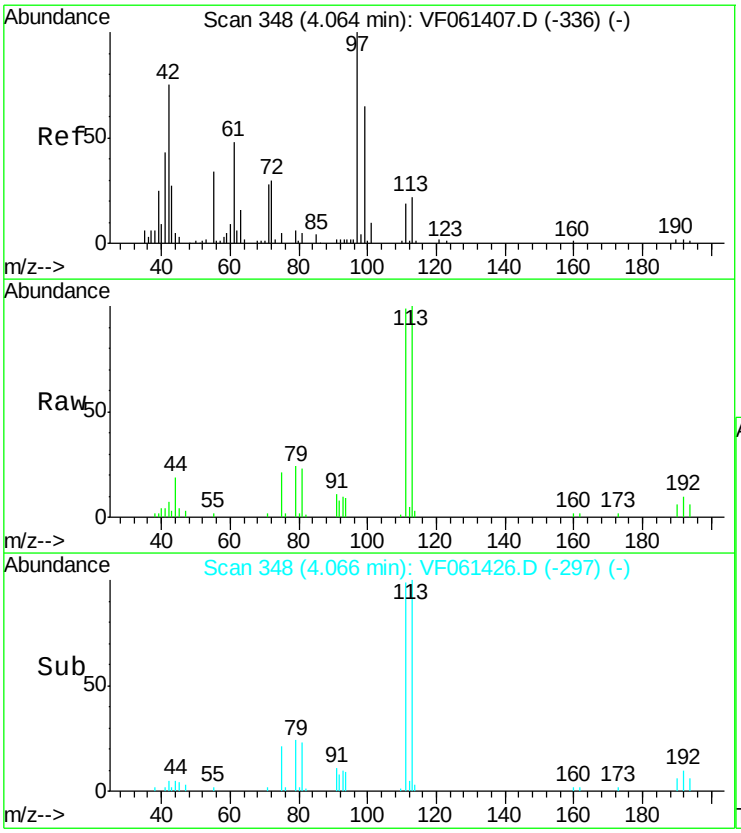
#25
2-Butanone
Concen: 12.450 ug/l
RT: 4.32 min Scan# 374
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 43 Resp: 9931

Ion	Ratio	Lower	Upper
43	100		
72	10.0	15.8	23.6#

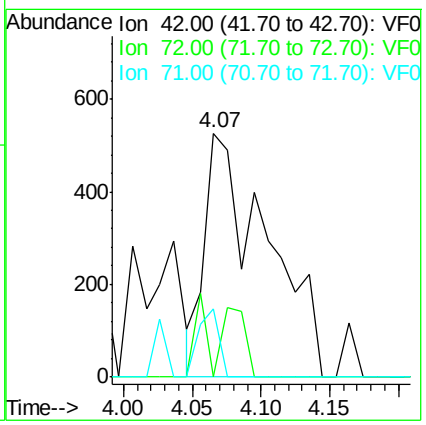


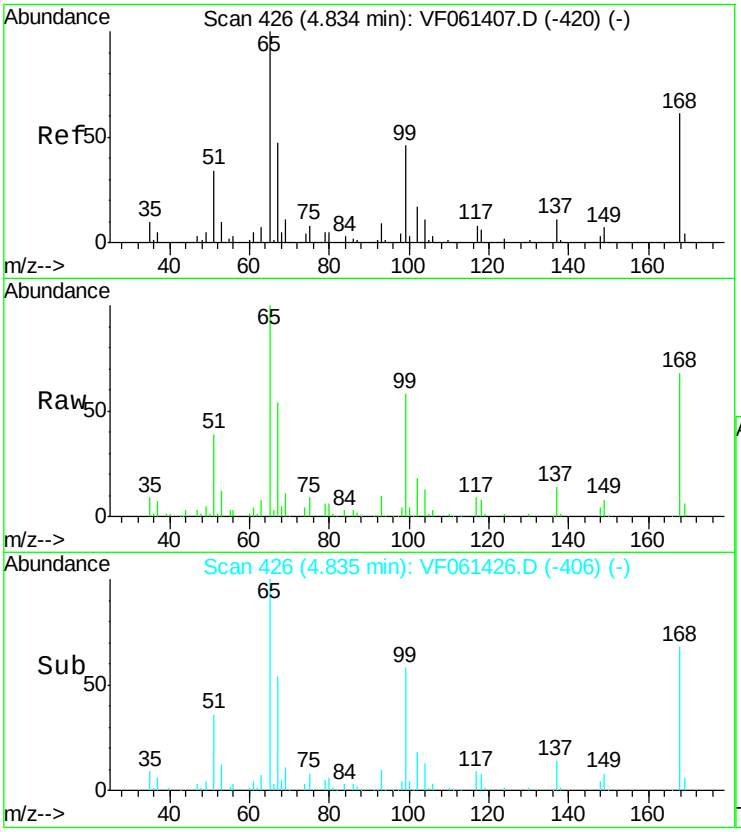


#29
Tetrahydrofuran
Concen: 4.801 ug/l
RT: 4.07 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 42 Resp: 1649

Ion	Ratio	Lower	Upper
42	100		
72	10.4	28.9	43.3#
71	9.4	29.6	44.4#



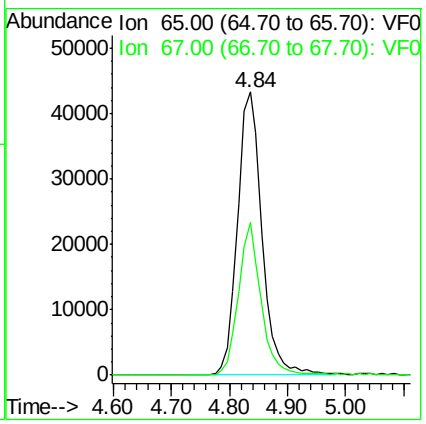


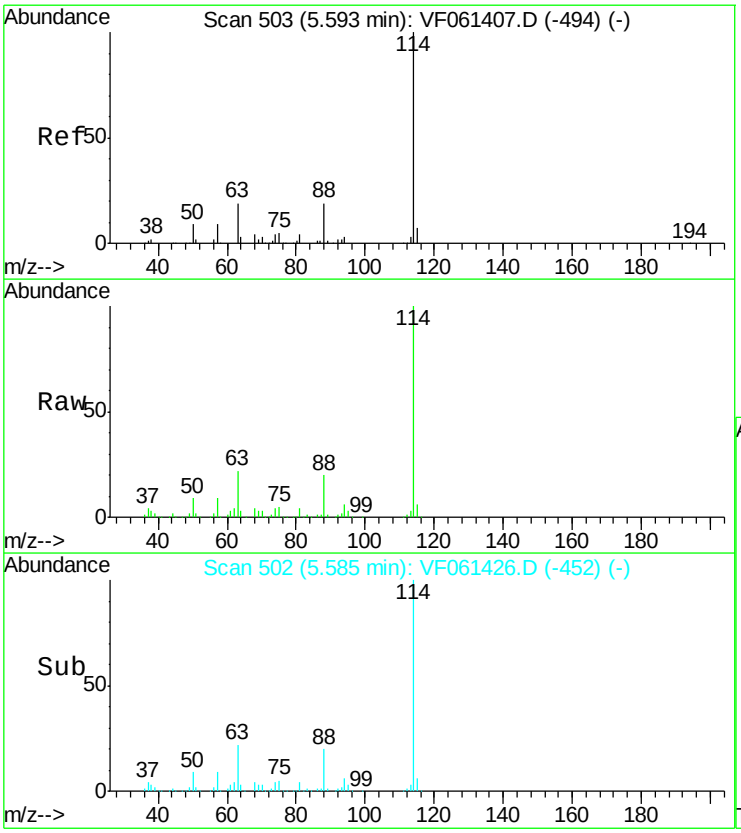
#33
1,2-Dichloroethane-d4
Concen: 53.364 ug/l
RT: 4.84 min Scan# 426
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 65 Resp: 127590

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	99.8

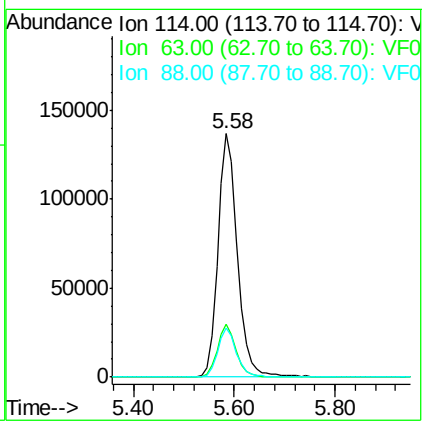


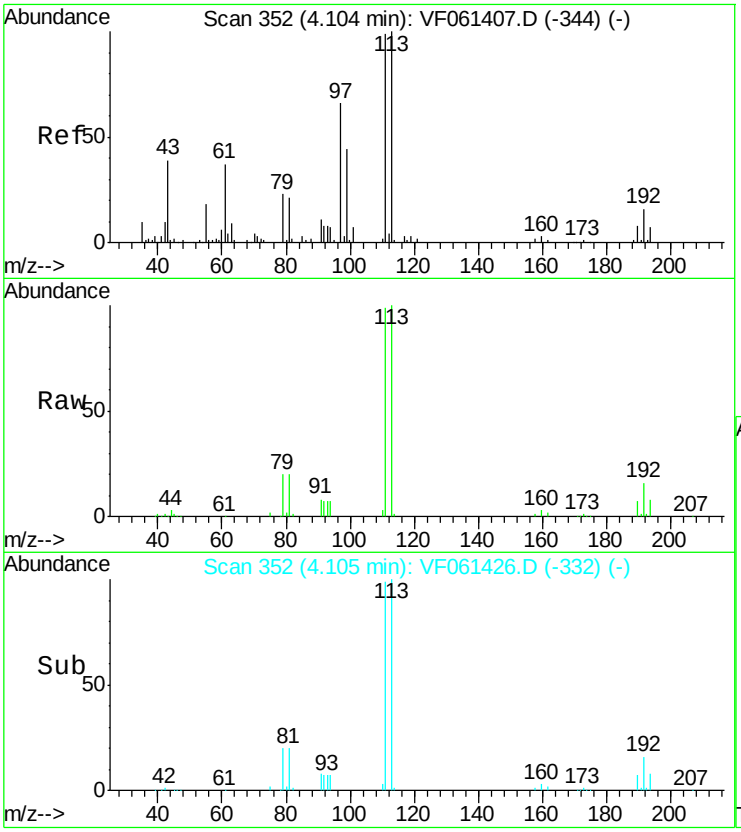


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion:114 Resp: 367204

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	20.2	0.0	37.4



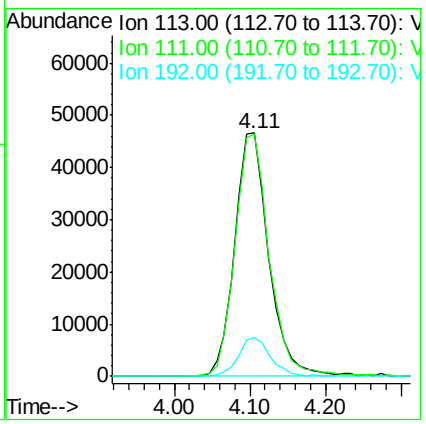


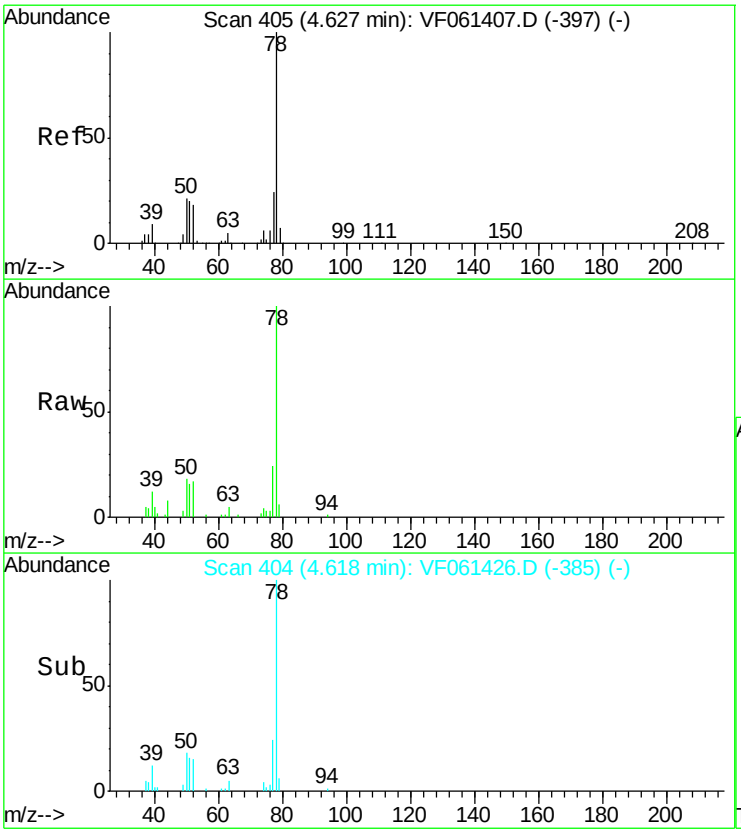
#35
Dibromofluoromethane
Concen: 50.162 ug/l
RT: 4.11 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion:113 Resp: 145348

Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.4	119.0
192	16.4	12.4	18.6

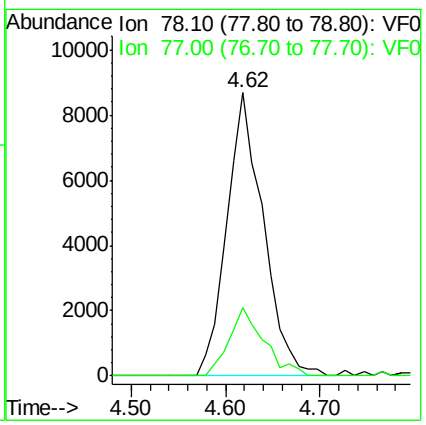


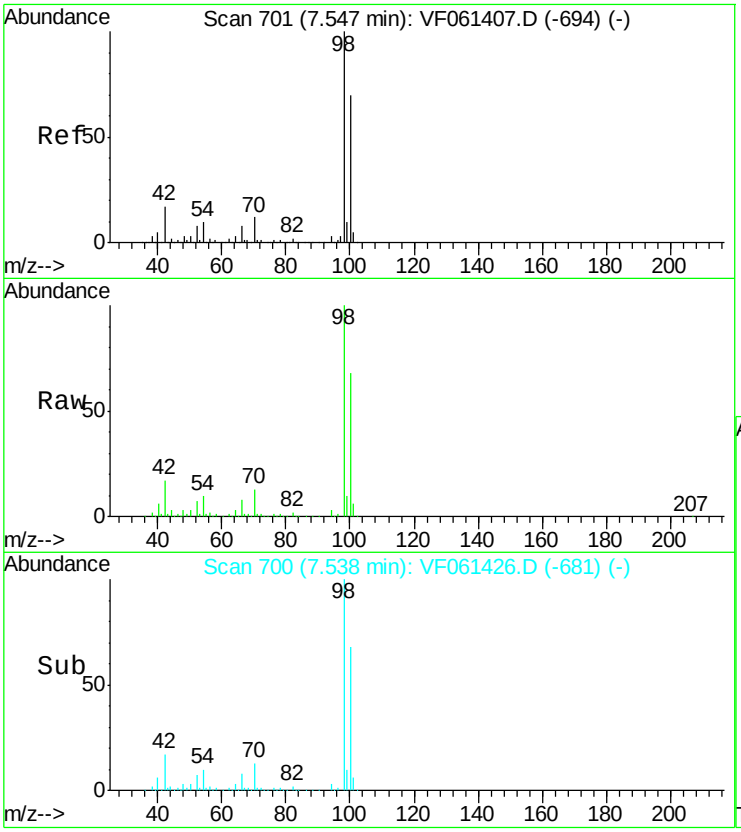


#40
Benzene
Concen: 2.450 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 78 Resp: 23215

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6



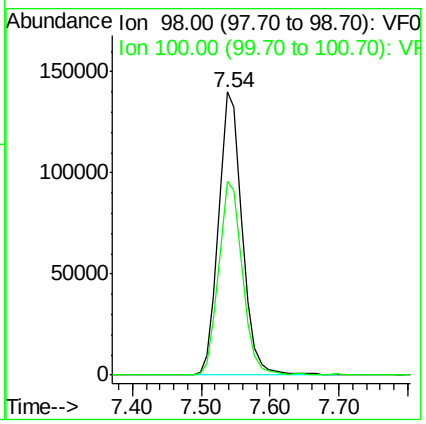


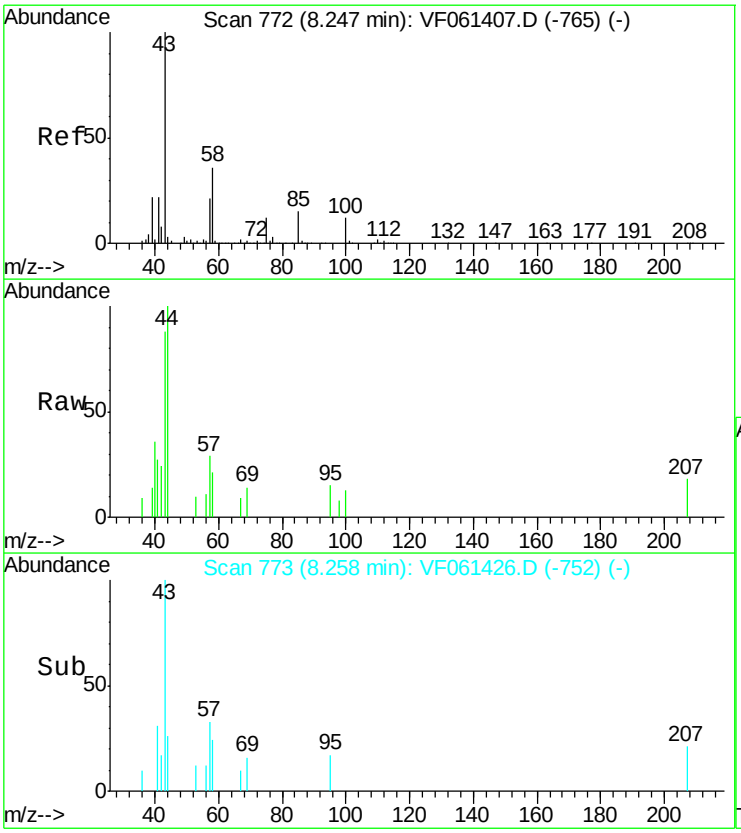
#50
Toluene-d8
Concen: 41.798 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 98 Resp: 331822

Ion	Ratio	Lower	Upper
98	100		
100	68.4	55.6	83.4

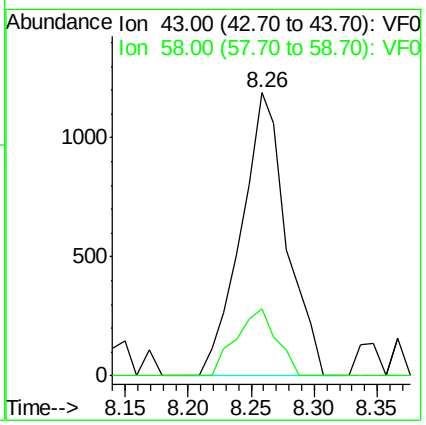


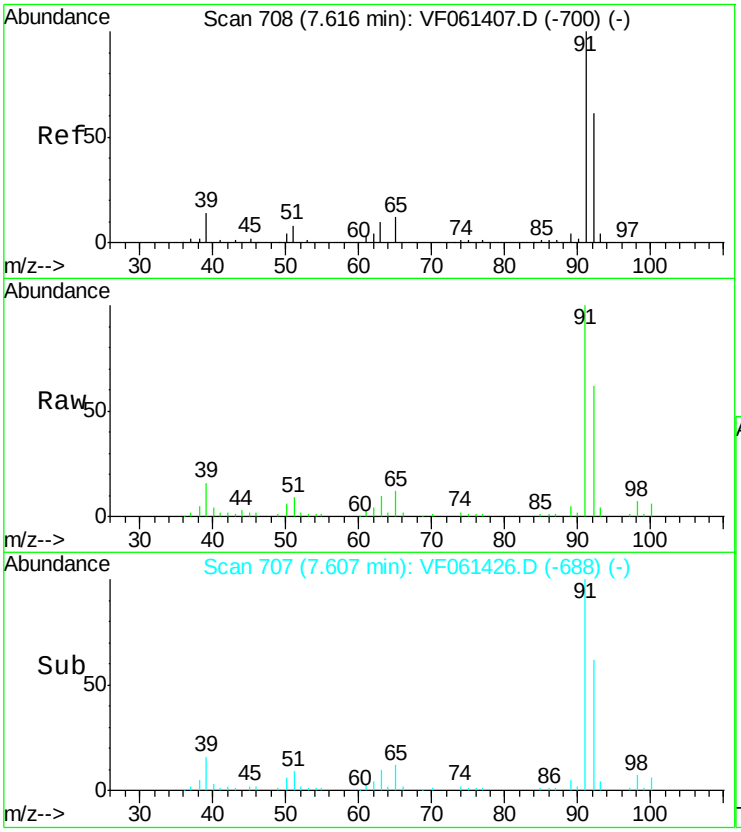


#51
4-Methyl-2-Pentanone
Concen: 1.905 ug/l
RT: 8.26 min Scan# 773
Delta R.T. 0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 43 Resp: 2992

Ion	Ratio	Lower	Upper
43	100		
58	23.5	28.8	43.2#



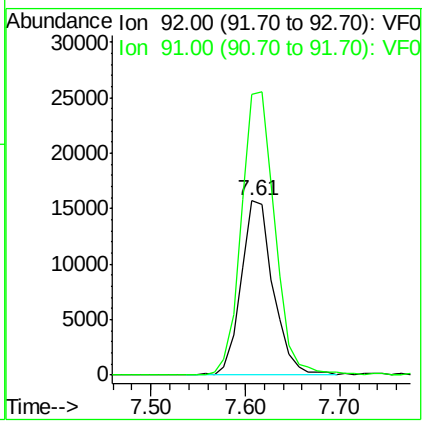


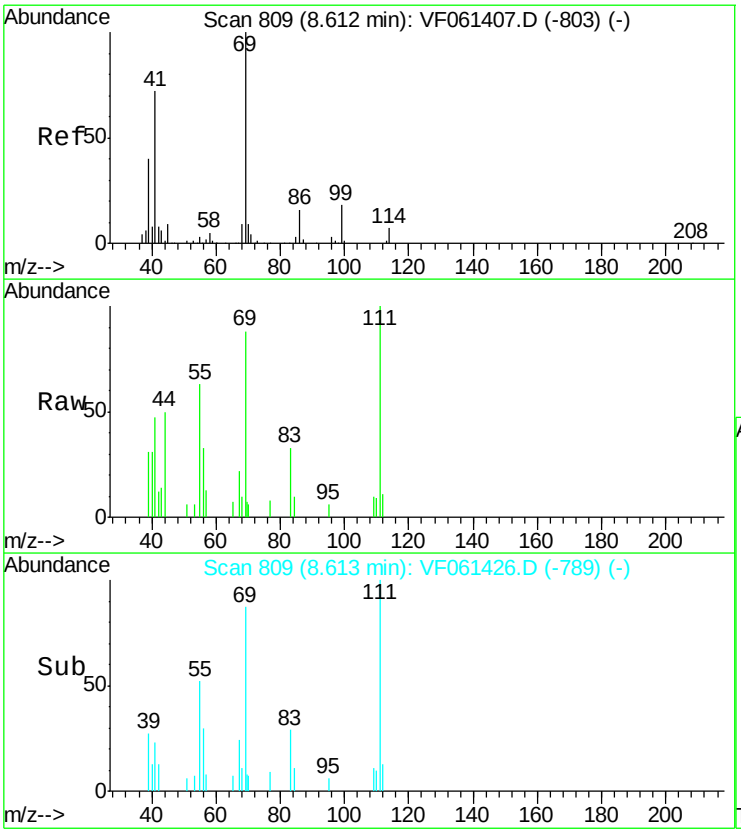
#52
Toluene
Concen: 5.918 ug/l
RT: 7.61 min Scan# 707
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Tgt Ion: 92 Resp: 36922

Ion	Ratio	Lower	Upper
92	100		
91	161.1	131.2	196.8

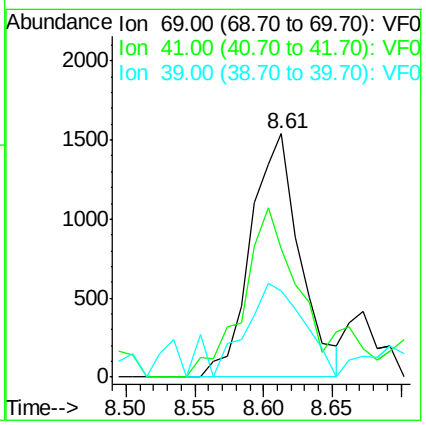


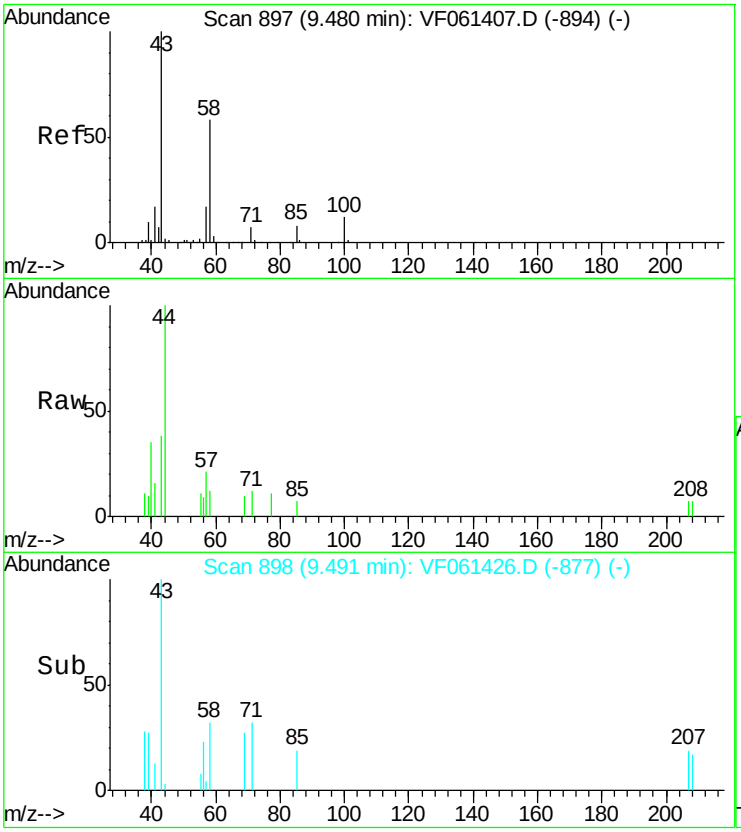


#56
Ethyl methacrylate
Concen: 1.857 ug/l
RT: 8.61 min Scan# 809
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 69 Resp: 3827

Ion	Ratio	Lower	Upper
69	100		
41	52.9	57.5	86.3#
39	35.2	32.0	48.0



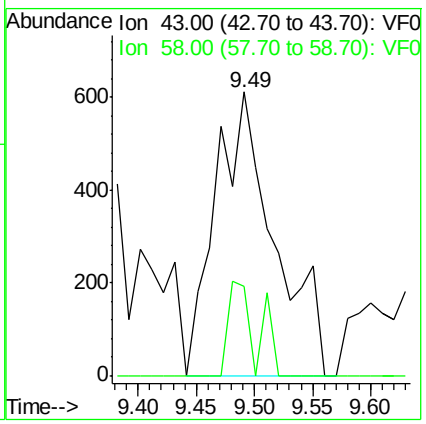


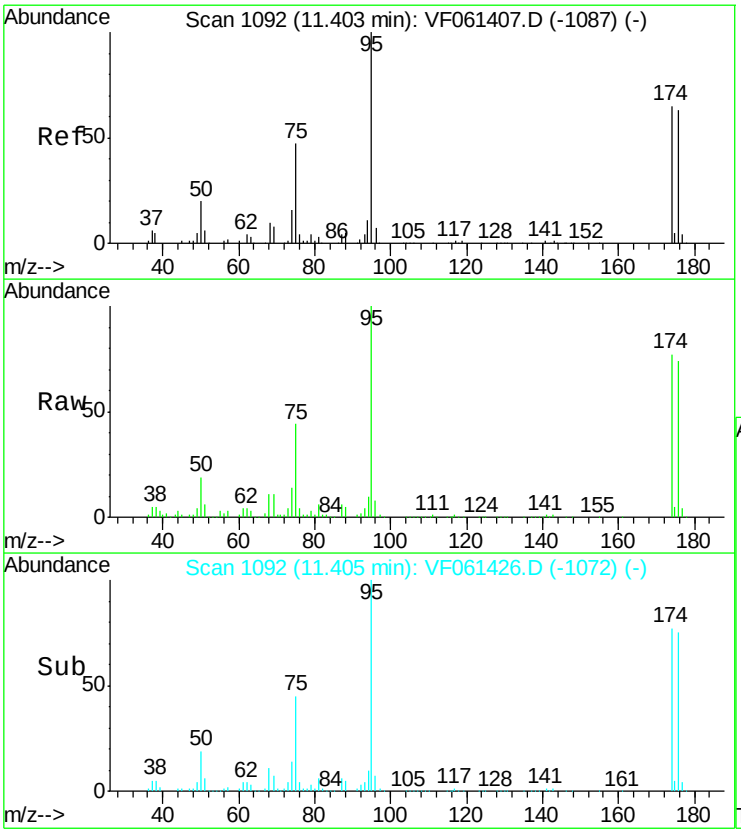
#59
2-Hexanone
Concen: 1.960 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Tgt Ion: 43 Resp: 2146

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	77.6

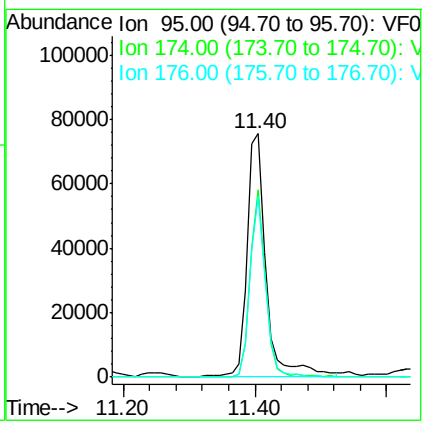


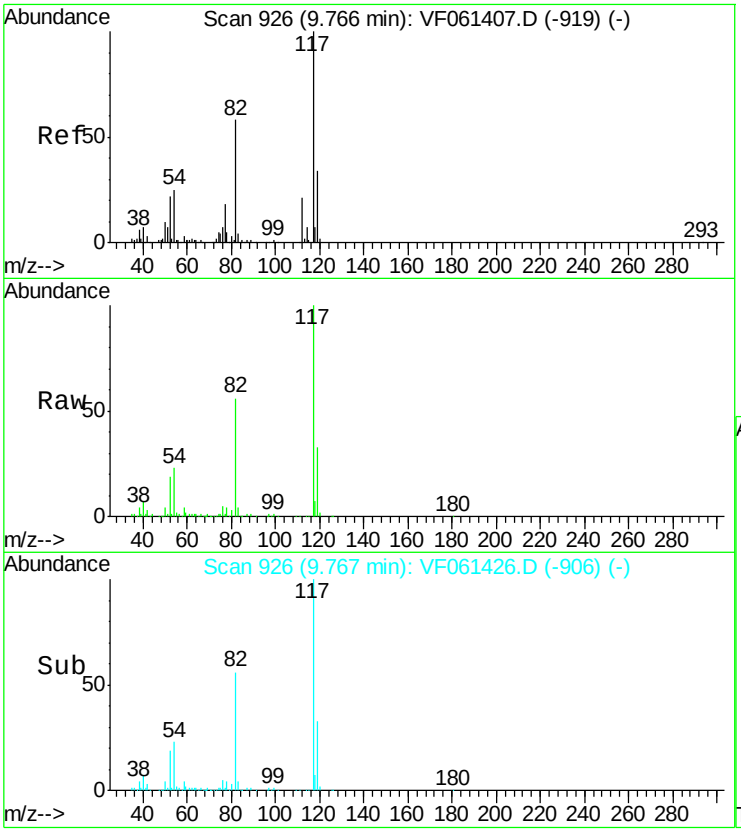


#62
4-Bromofluorobenzene
Concen: 41.036 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 95 Resp: 152212

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	130.4
176	74.3	0.0	126.2



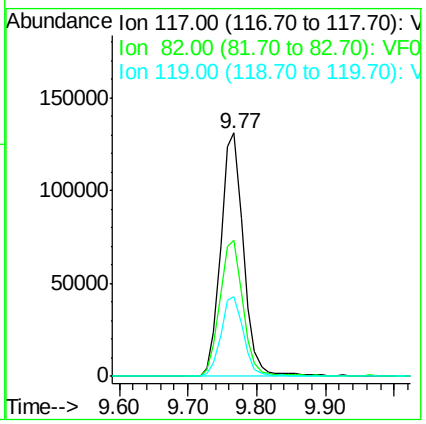


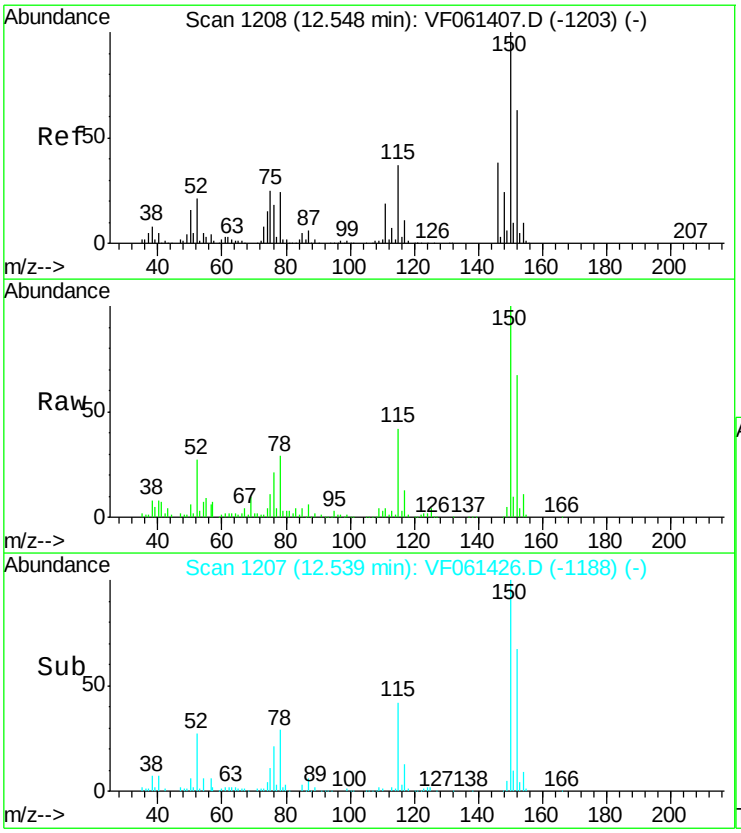
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument : MSVOA_F
ClientSampleId : CLOVER-YARD-BRE

Tgt Ion:117 Resp: 300361

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.4	69.6
119	32.8	27.2	40.8

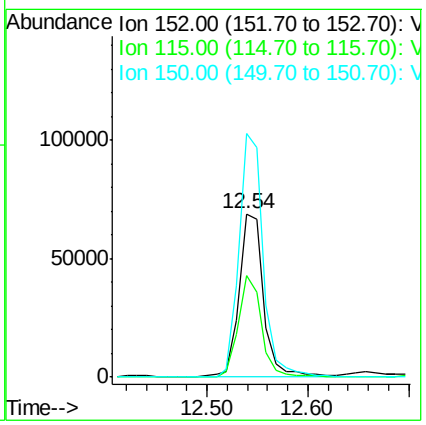


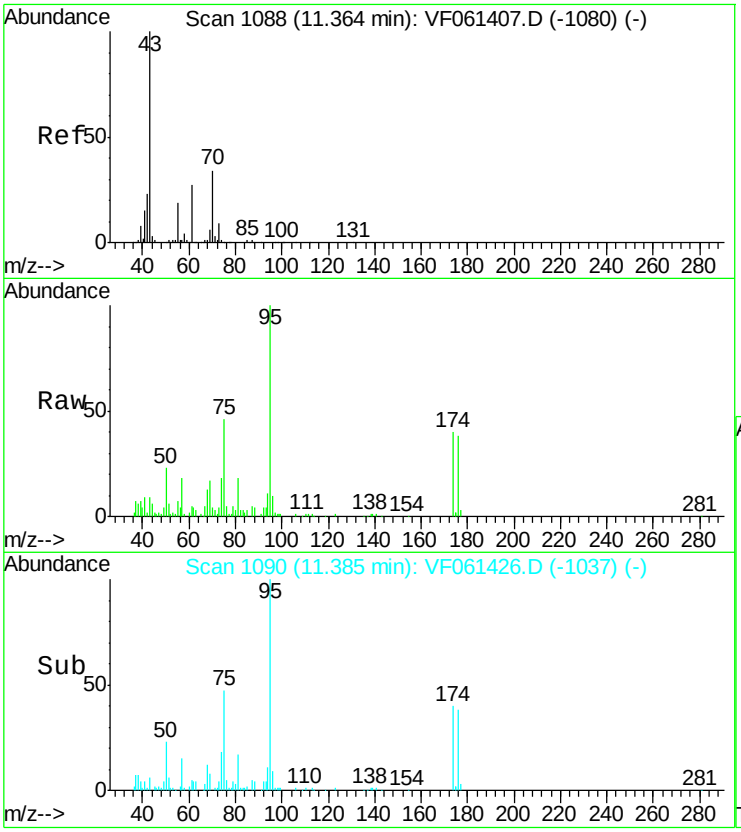


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion:152 Resp: 115815

Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.0	90.0
150	148.9	0.0	321.4



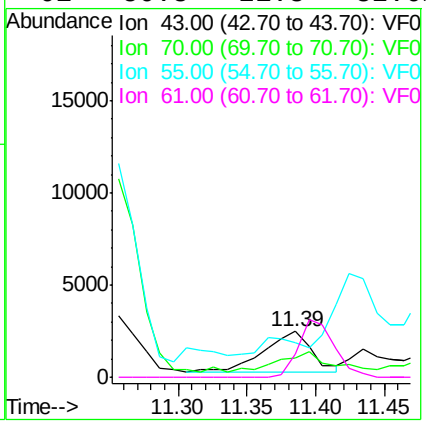


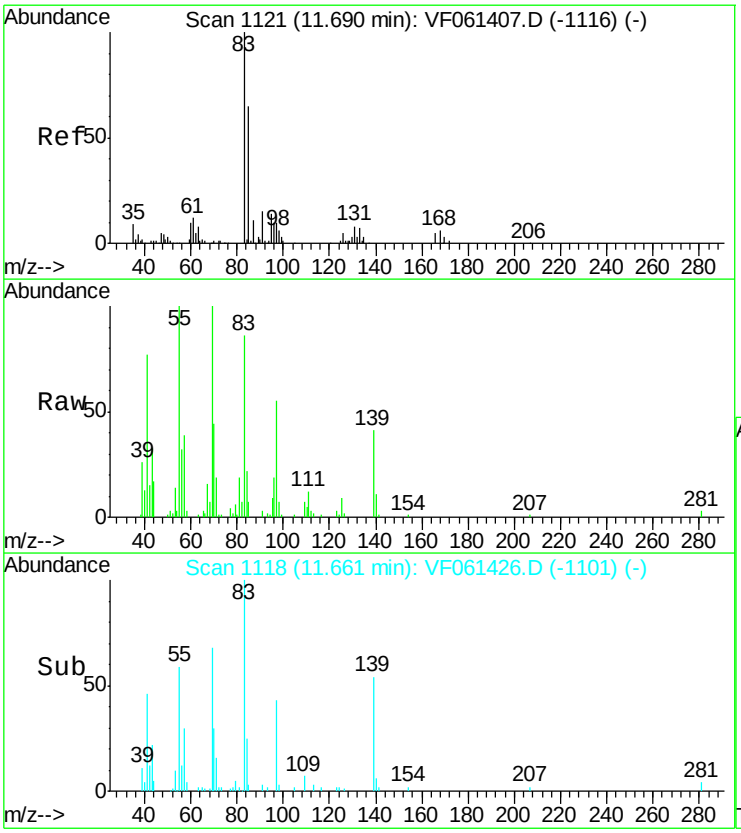
#74
N-amyl acetate
Concen: 2.341 ug/l
RT: 11.39 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 43 Resp: 5215

Ion	Ratio	Lower	Upper
43	100		
70	41.4	27.6	41.4#
55	75.9	15.4	23.2#
61	50.8	21.8	32.6#

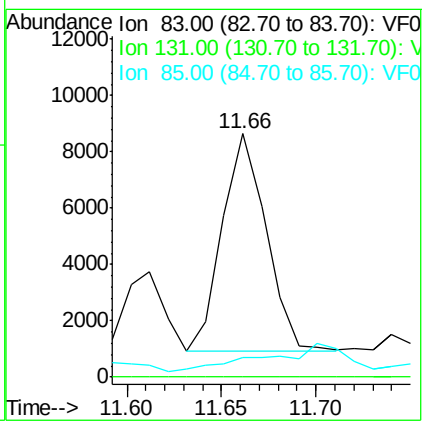


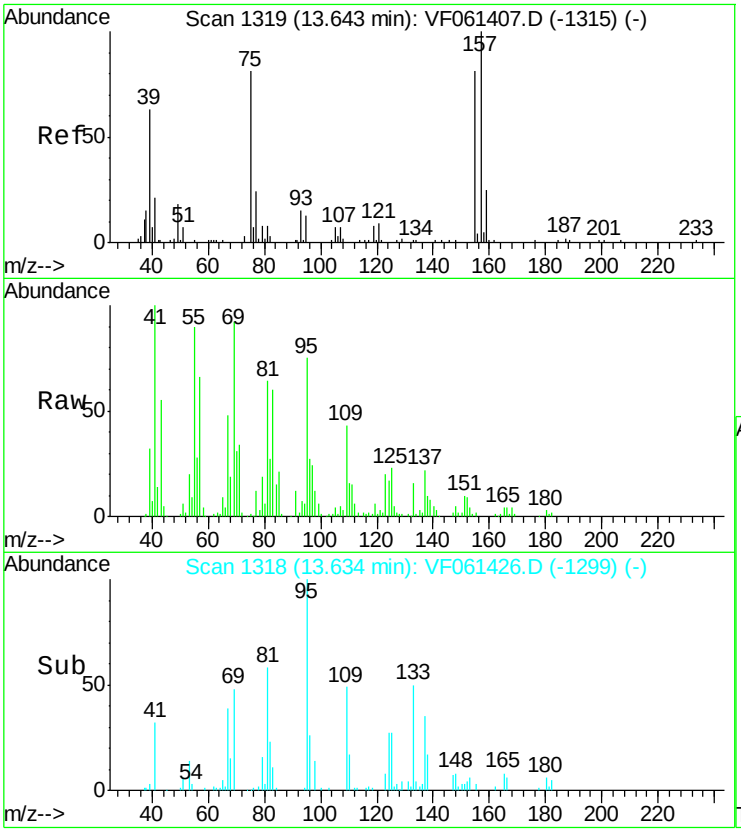


#75
1,1,2,2-Tetrachloroethane
Concen: 7.407 ug/l
RT: 11.66 min Scan# 1118
Delta R.T. -0.03 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion: 83 Resp: 12429

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.2#
85	7.8	32.7	98.1#



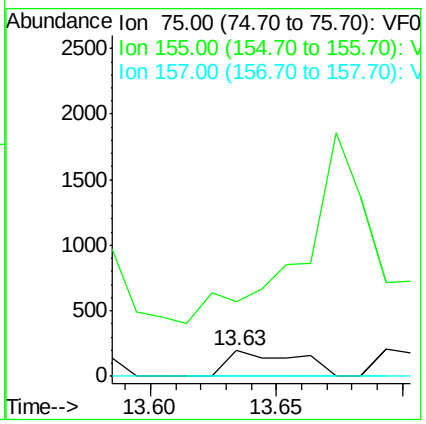


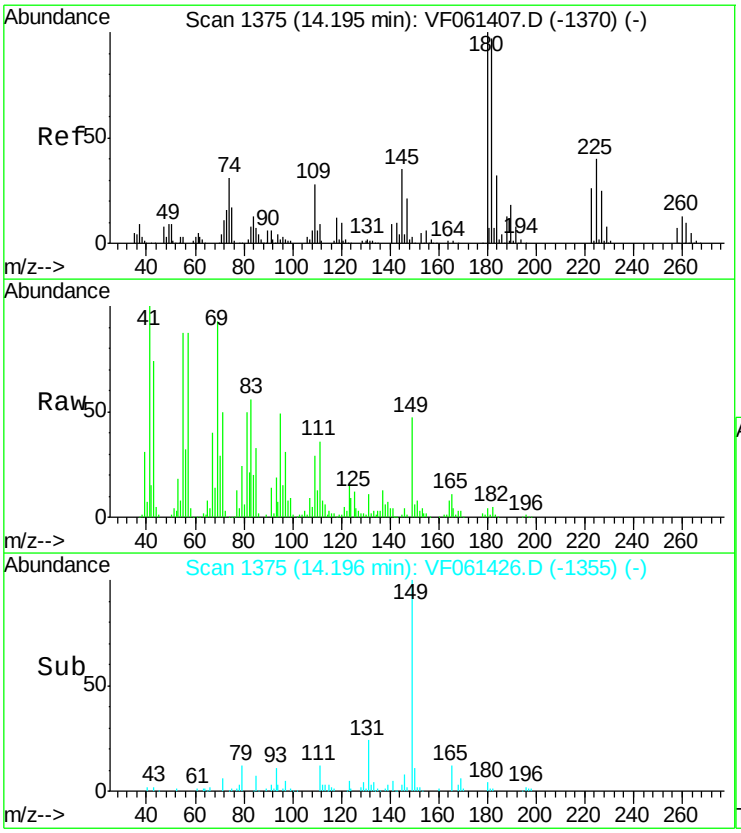
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.253 ug/l
RT: 13.63 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion: 75 Resp: 373

Ion	Ratio	Lower	Upper
75	100		
155	294.4	49.7	149.1#
157	0.0	61.4	184.1#

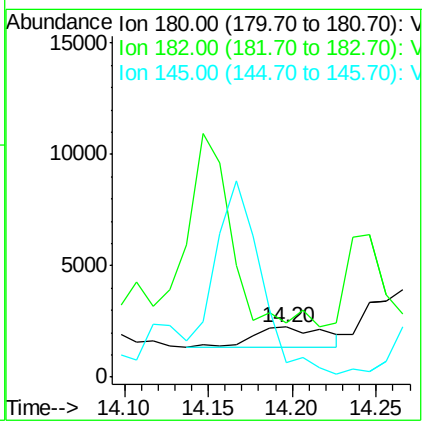


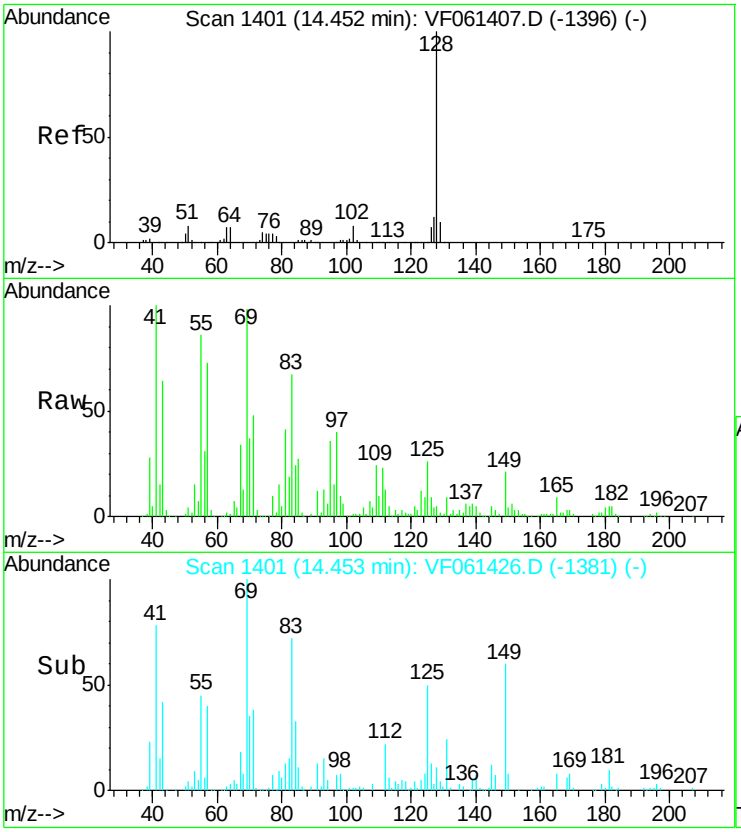


#93
1,2,4-Trichlorobenzene
Concen: 1.045 ug/l
RT: 14.20 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Tgt Ion:180 Resp: 2723

Ion	Ratio	Lower	Upper
180	100		
182	109.5	48.5	145.6
145	30.2	17.5	52.6





#95
Naphthalene
Concen: 1.459 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061426.D
Acq: 16 Jan 2019 22:05

Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-BRE

Tgt Ion:128 Resp: 7224

Ion	Ratio	Lower	Upper
128	100		
127	81.5	9.5	14.3#
129	43.3	8.4	12.6#