Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011819\
Data File : VF061459.D
Acq On : 18 Jan 2019 15:06
Operator : VA/AP
Sample : K1011-05RE
Misc : 7.08g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Quant Time: Jan 19 03:58:45 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	4.86	168	200373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	360975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	255113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89483	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	131016	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery = 105.92%			
35) Dibromofluoromethane	4.11	113	139345	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.84%			
50) Toluene-d8	7.55	98	313066	40.12	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.24%			
62) 4-Bromofluorobenzene	11.41	95	107344	29.44	ug/l	0.00
Spiked Amount 50.000			Recovery = 58.88%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.59	59	352	3.362	ug/l #	1
13) Acrolein	1.93	56	368	14.248	ug/l	89
14) Allyl chloride	2.11	41	255	Below Cal	#	60
15) Acrylonitrile	2.93	53	508	1.894	ug/l #	32
16) Acetone	2.24	43	36456	73.458	ug/l	94
18) Methyl Acetate	2.37	43	1677	1.704	ug/l #	61
20) Methylene Chloride	2.18	84	2594	Below Cal	#	69
23) Vinyl Acetate	3.15	43	939	3.526	ug/l #	78
25) 2-Butanone	4.33	43	9137	11.071	ug/l	92
29) Tetrahydrofuran	4.06	42	1730	4.868	ug/l #	74
43) Isopropyl Acetate	6.90	43	4282	2.039	ug/l #	51
49) 1,4-Dioxane	6.32	88	65	Below Cal	#	14
51) 4-Methyl-2-Pentanone	8.26	43	9817	6.360	ug/l #	68
52) Toluene	7.62	92	24531	4.000	ug/l	99
55) 1,1,2-Trichloroethane	8.37	97	2108	1.210	ug/l #	50
56) Ethyl methacrylate	8.62	69	9025	4.454	ug/l #	65
59) 2-Hexanone	9.49	43	4149	3.854	ug/l	67
67) Ethyl Benzene	9.89	91	11142	1.176	ug/l	96
68) m/p-Xylenes	10.13	106	12128	3.558	ug/l	89
69) o-Xylene	10.71	106	9426	2.551	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.66	83	2743	2.116	ug/l #	1
78) n-propylbenzene	11.59	91	13096	1.535	ug/l	95
79) 2-Chlorotoluene	11.71	91	5412	1.072	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.83	105	13661	2.326	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	50983	8.427	ug/l	91
86) p-Isopropyltoluene	12.43	119	11355	1.676	ug/l	94
89) n-Butylbenzene	12.84	91	12882	1.843	ug/l	79
95) Naphthalene	14.45	128	39026	10.198	ug/l	97

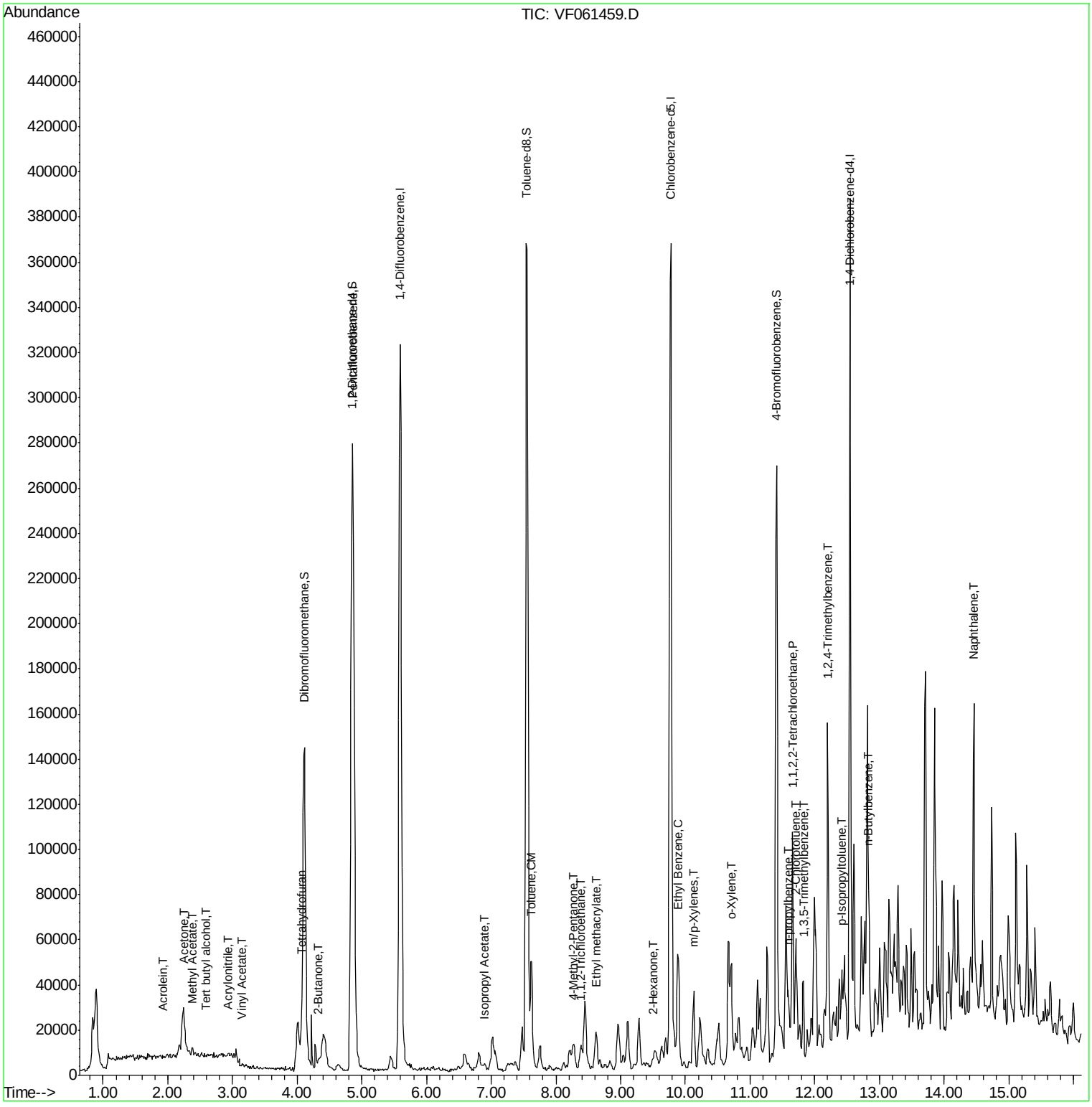
(#) = qualifier out of range (m) = manual integration (+) = signals summed

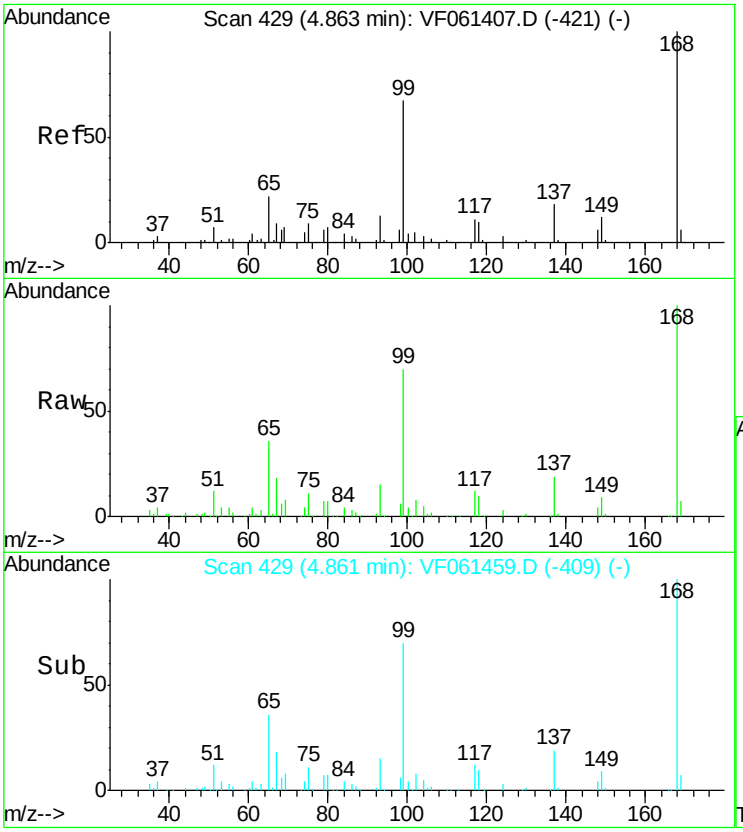
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
Data File : VF061459.D
Acq On : 18 Jan 2019 15:06
Operator : VA/AP
Sample : K1011-05RE
Misc : 7.08g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Quant Time: Jan 19 03:58:45 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



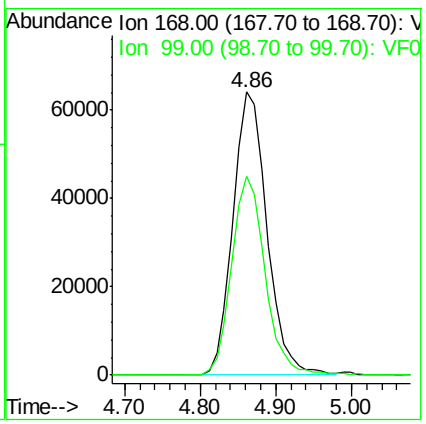


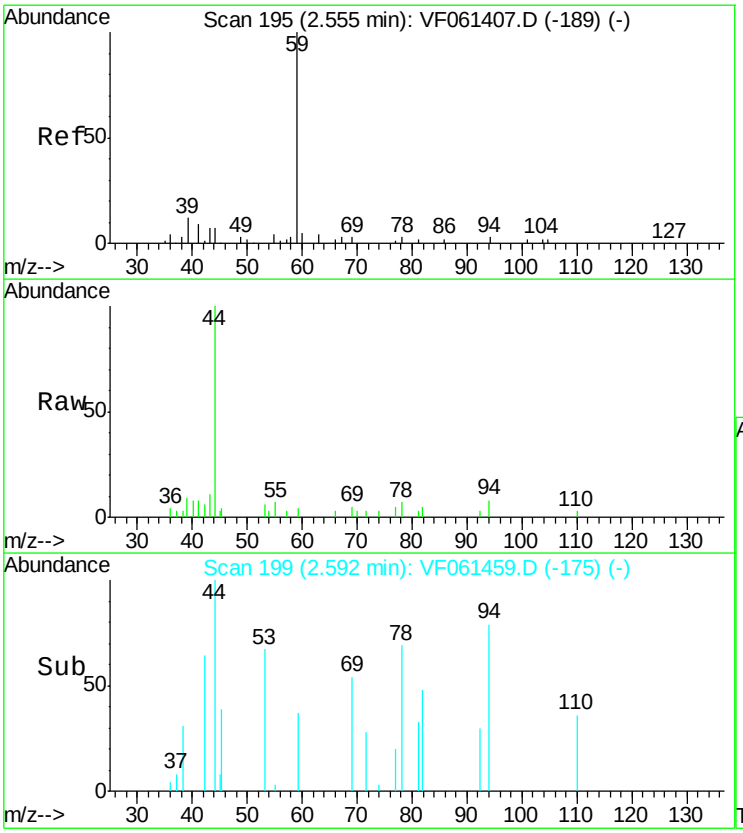
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion:168 Resp: 200373

Ion	Ratio	Lower	Upper
168	100		
99	70.4	53.5	80.3

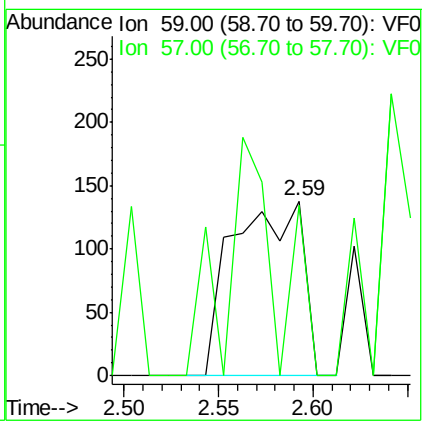


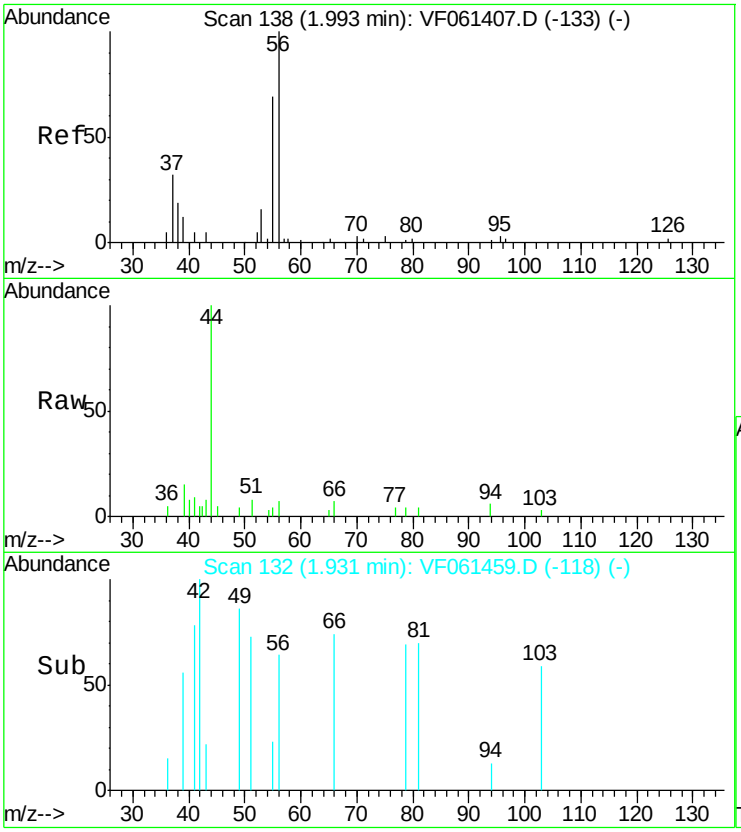


#11
Tert butyl alcohol
Concen: 3.362 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 59 Resp: 352

Ion	Ratio	Lower	Upper
59	100		
57	97.8	11.9	17.9#



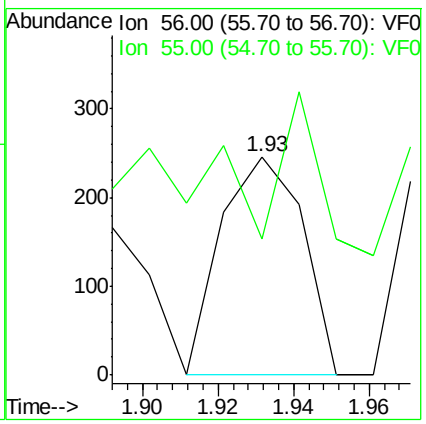


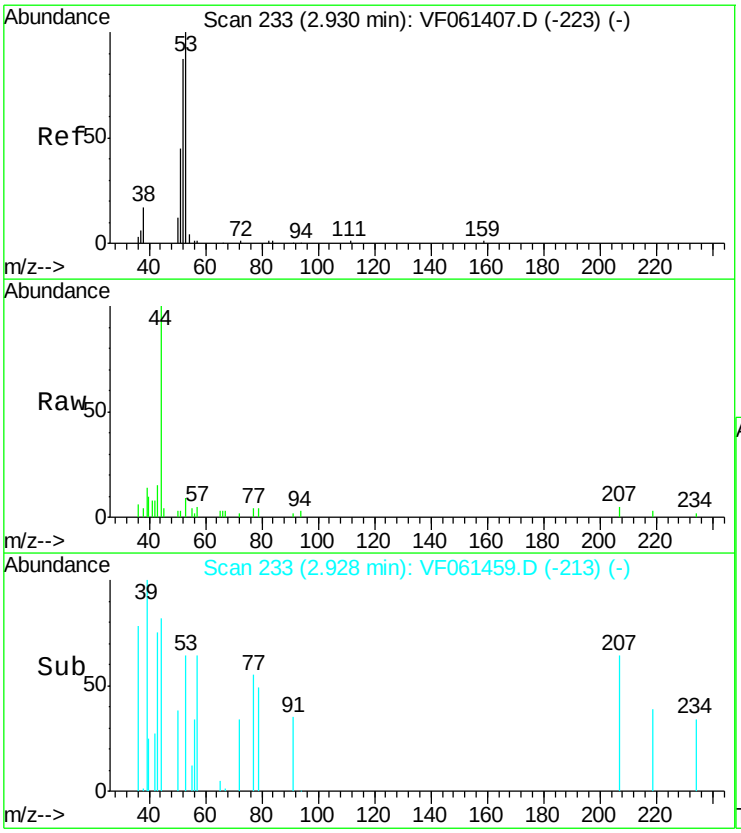
#13
Acrolein
Concen: 14.248 ug/l
RT: 1.93 min Scan# 132
Delta R.T. -0.06 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 56 Resp: 368

Ion	Ratio	Lower	Upper
56	100		
55	62.6	57.5	86.3

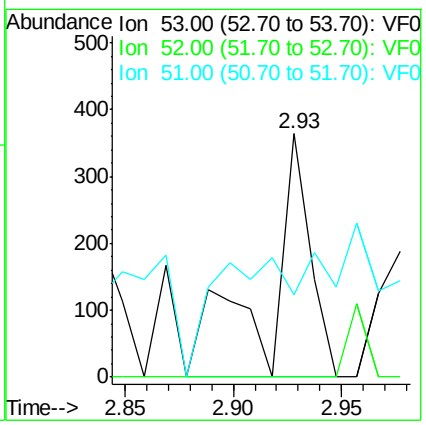


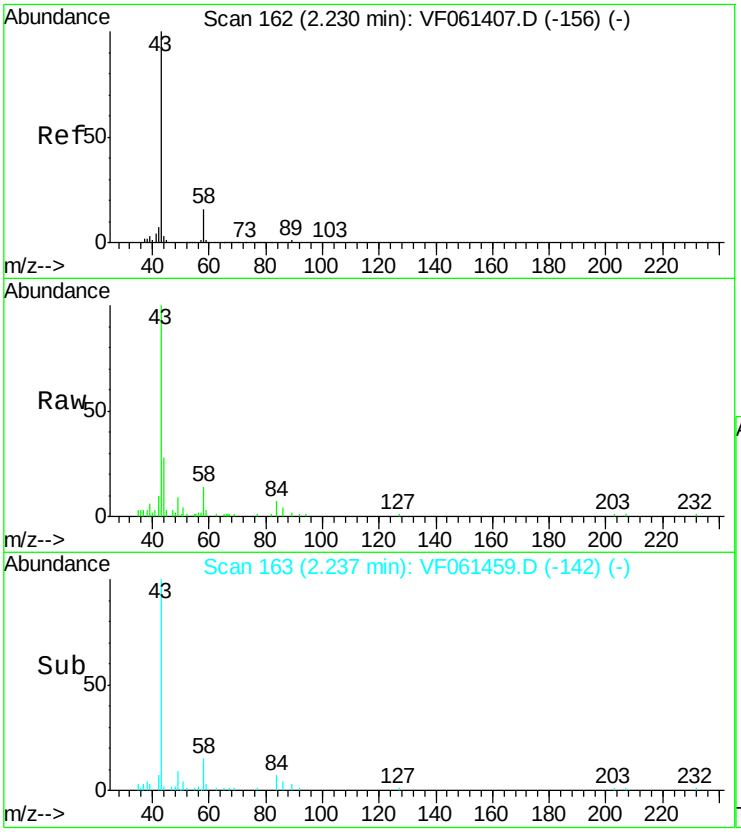


#15
Acrylonitrile
Concen: 1.894 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 53 Resp: 508

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	34.1	36.8	55.2#



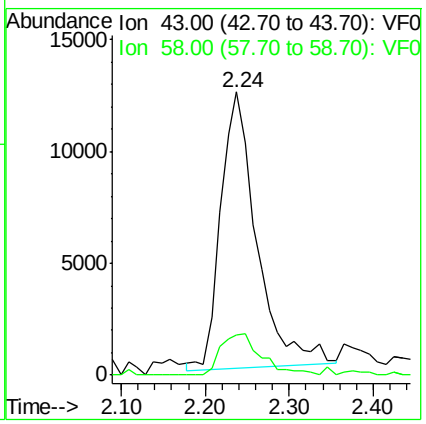


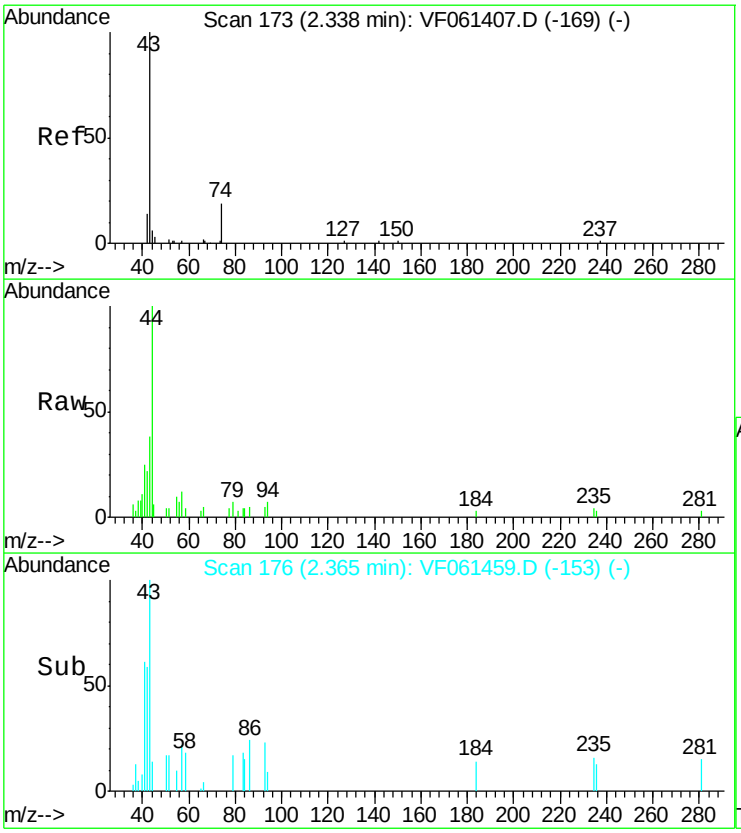
#16
Acetone
Concen: 73.458 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 43 Resp: 36456

Ion	Ratio	Lower	Upper
43	100		
58	14.1	13.3	19.9

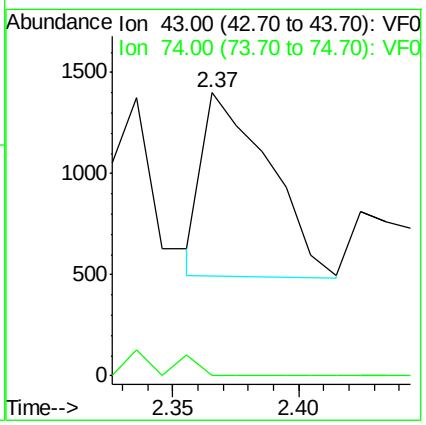


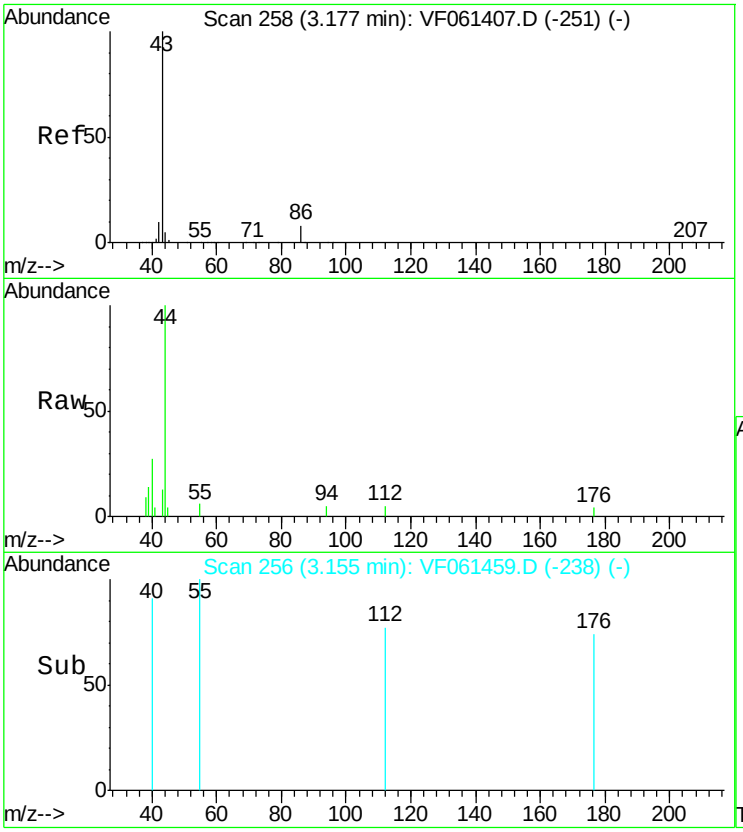


#18
Methyl Acetate
Concen: 1.704 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 43 Resp: 1677

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.4	20.0#



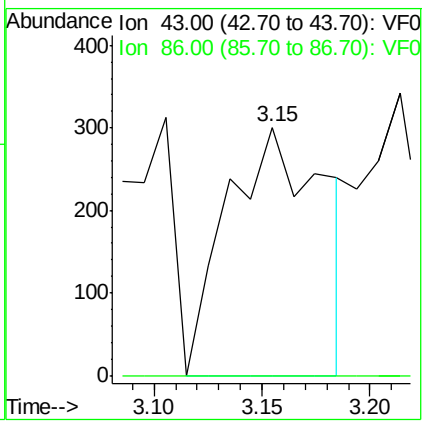


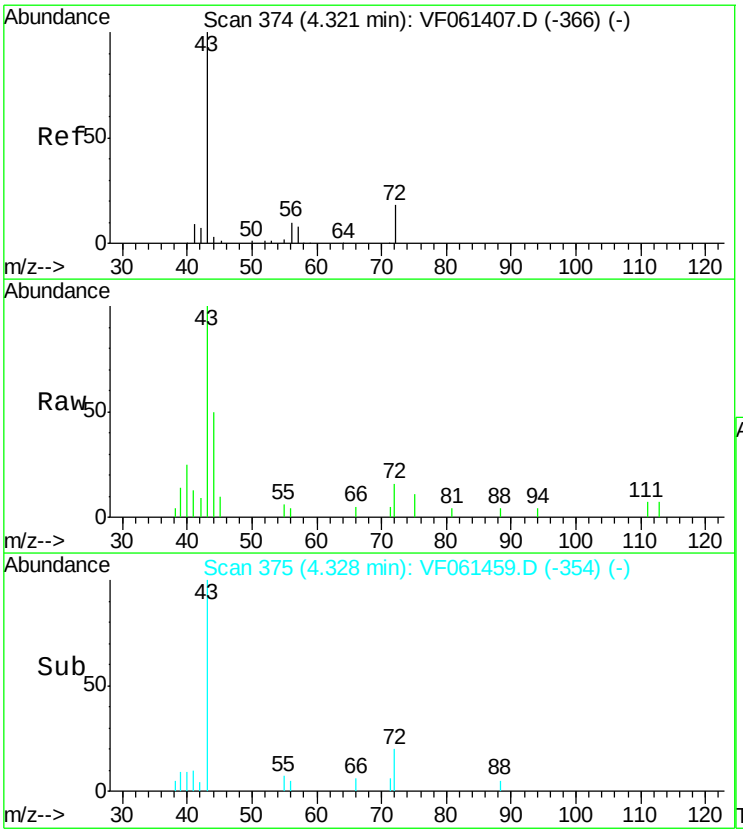
#23
Vinyl Acetate
Concen: 3.526 ug/l
RT: 3.15 min Scan# 256
Delta R.T. -0.02 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 43 Resp: 939

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#

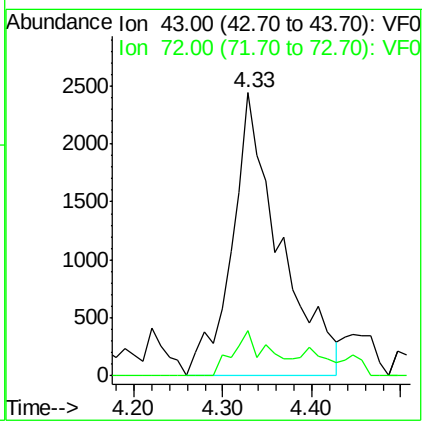


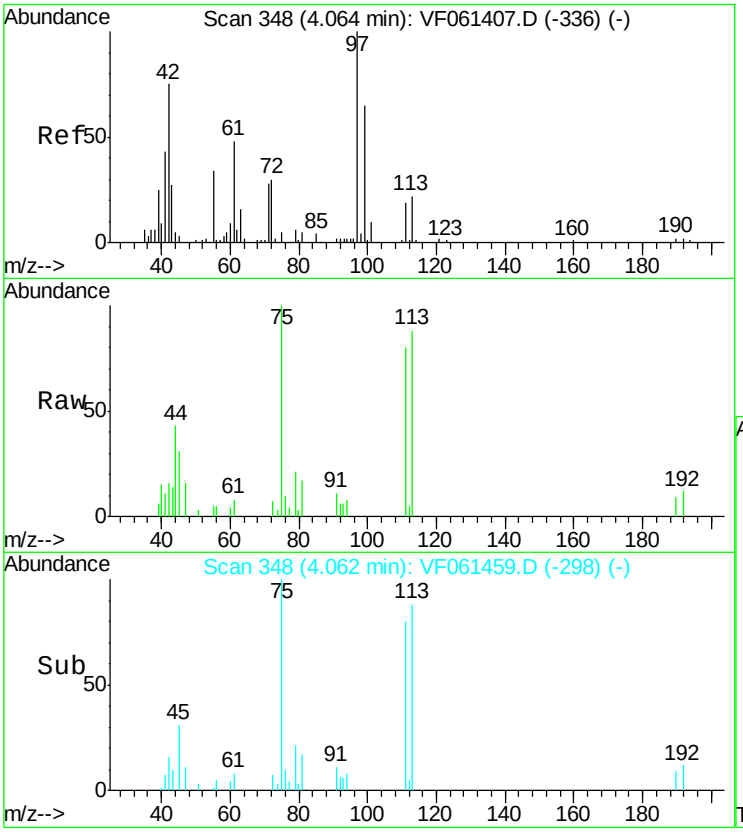


#25
2-Butanone
Concen: 11.071 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 43 Resp: 9137

Ion	Ratio	Lower	Upper
43	100		
72	16.0	15.8	23.6



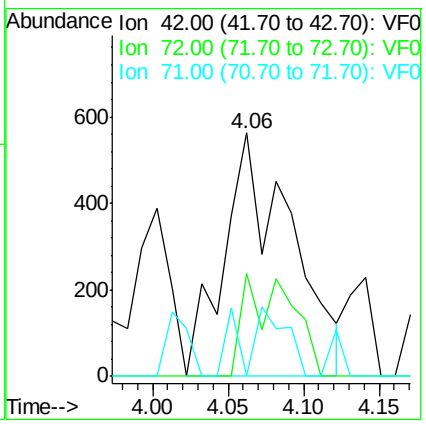


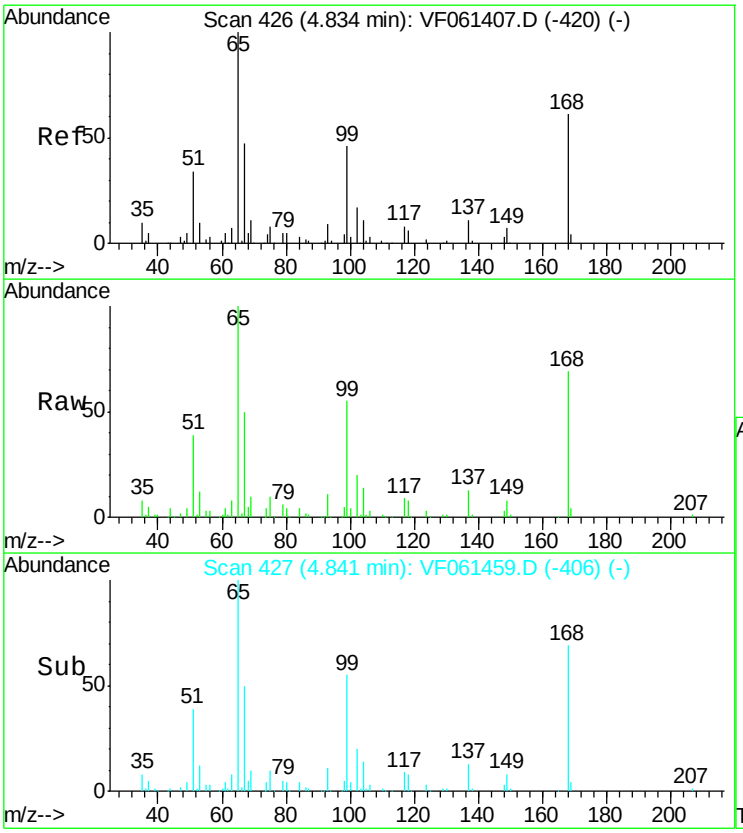
#29
Tetrahydrofuran
Concen: 4.868 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 42 Resp: 1730

Ion	Ratio	Lower	Upper
42	100		
72	29.6	28.9	43.3
71	13.2	29.6	44.4#

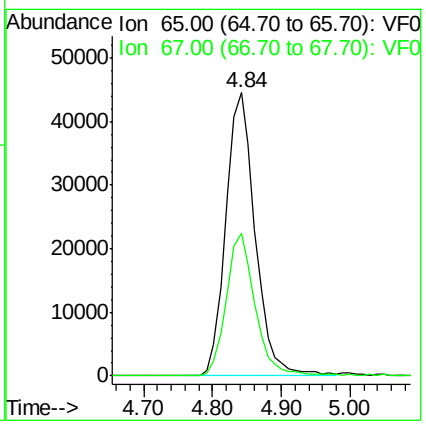


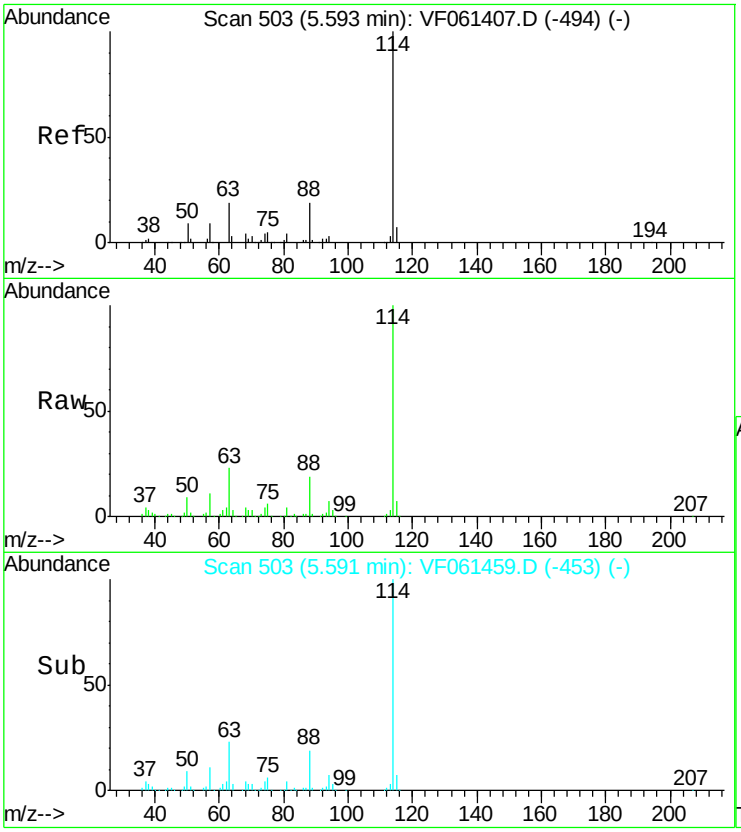


#33
1,2-Dichloroethane-d4
Concen: 52.960 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 65 Resp: 131016

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	99.8



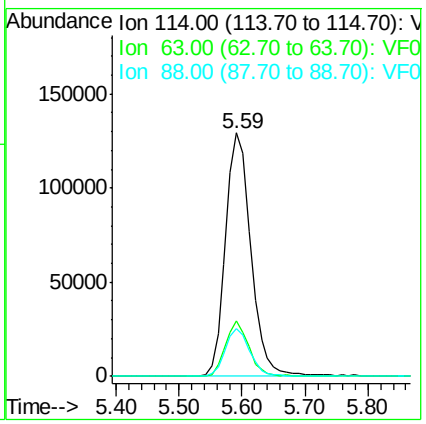


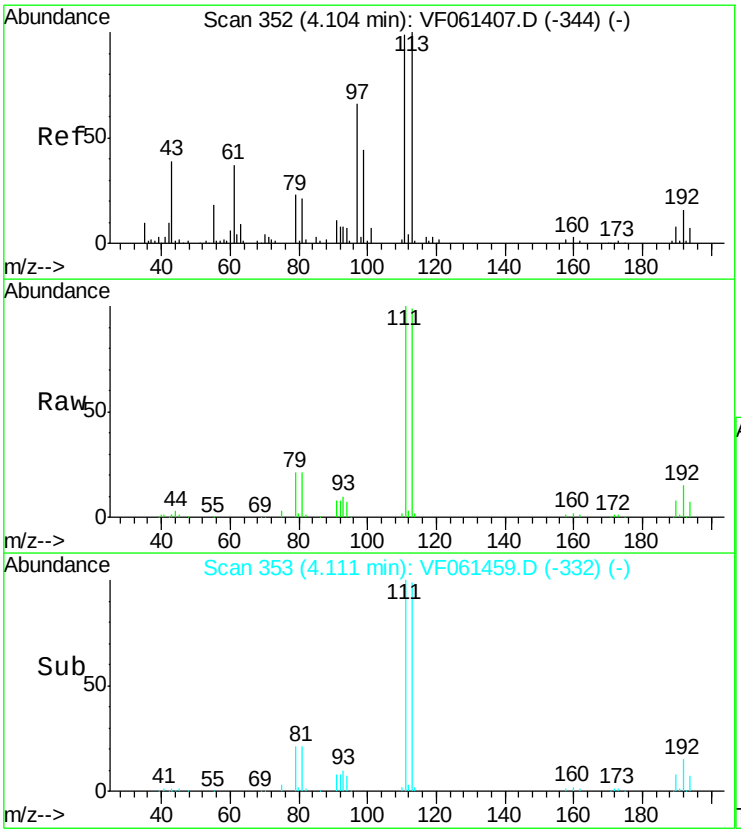
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion:114 Resp: 360975

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	39.0
88	19.5	0.0	37.4

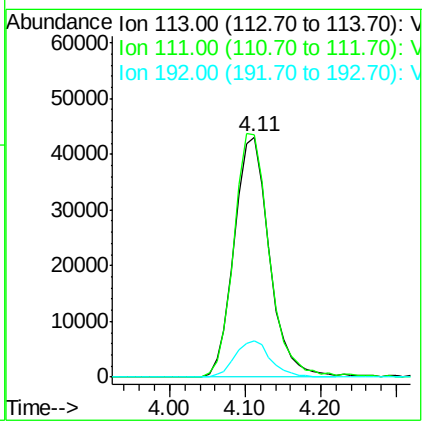


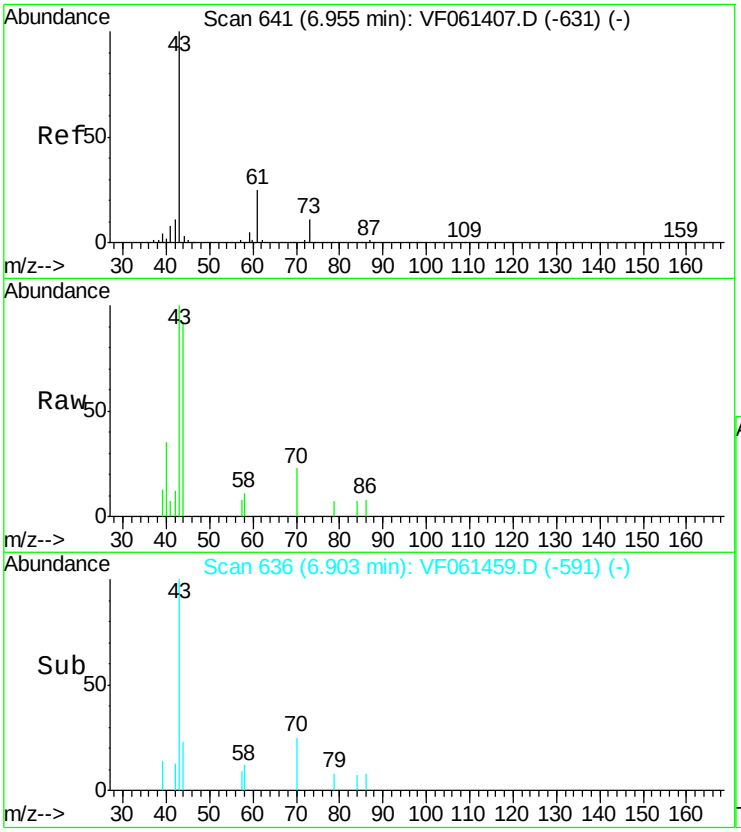


#35
Dibromofluoromethane
Concen: 48.920 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:113 Resp: 139345

Ion	Ratio	Lower	Upper
113	100		
111	100.7	79.4	119.0
192	15.6	12.4	18.6



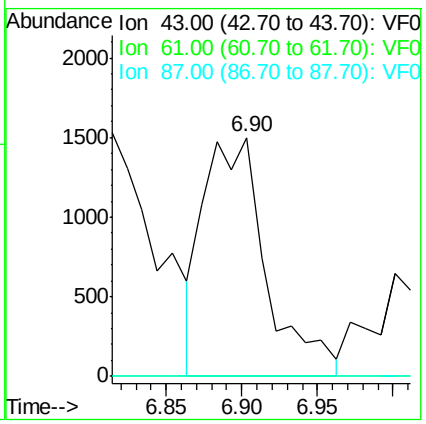


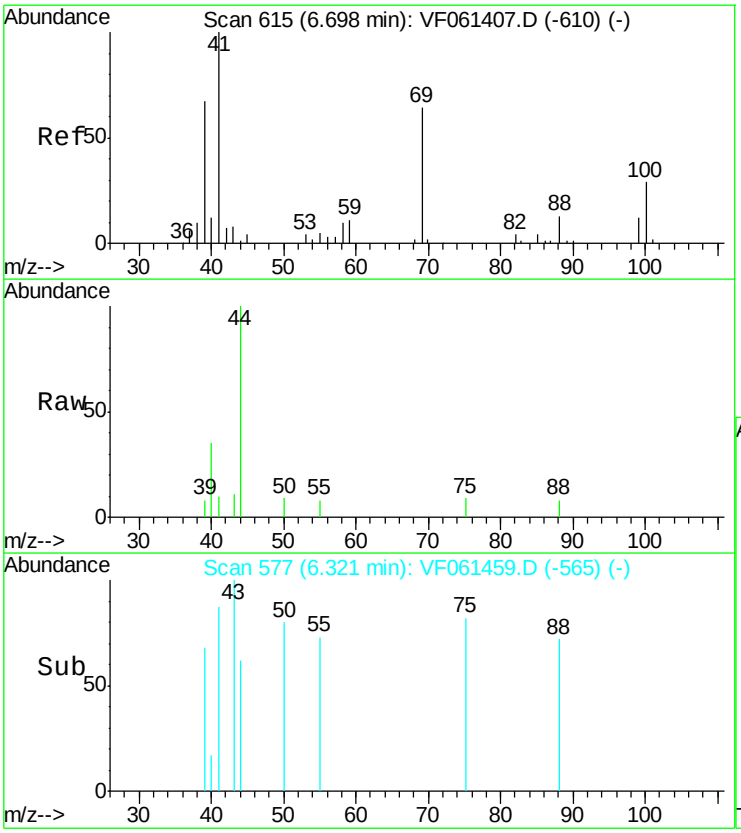
#43
Isopropyl Acetate
Concen: 2.039 ug/l
RT: 6.90 min Scan# 636
Delta R.T. -0.05 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 43 Resp: 4282

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#

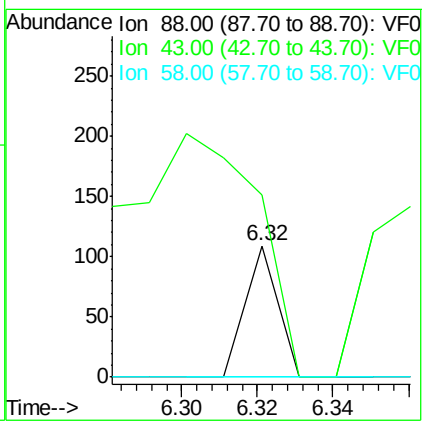


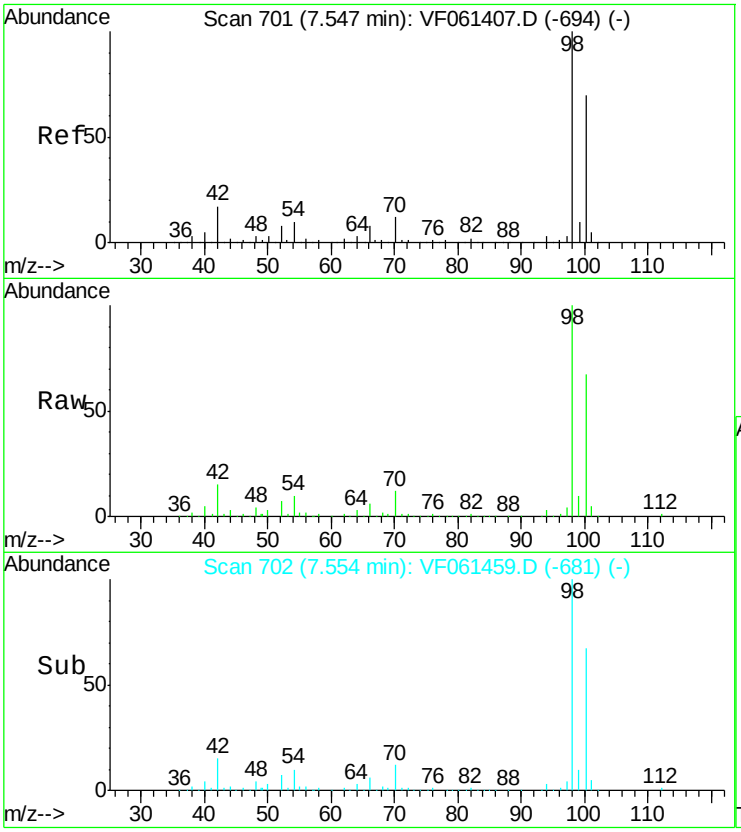


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.32 min Scan# 577
Delta R.T. -0.38 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 88 Resp: 65

Ion	Ratio	Lower	Upper
88	100		
43	138.5	55.5	83.3#
58	0.0	59.9	89.9#



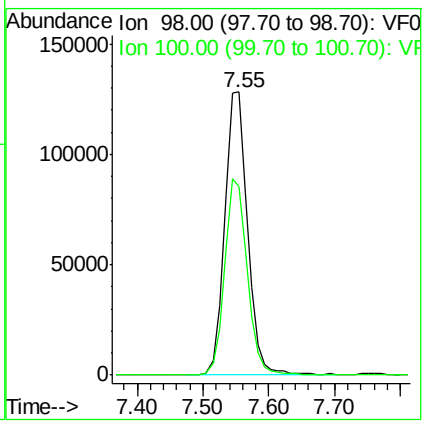


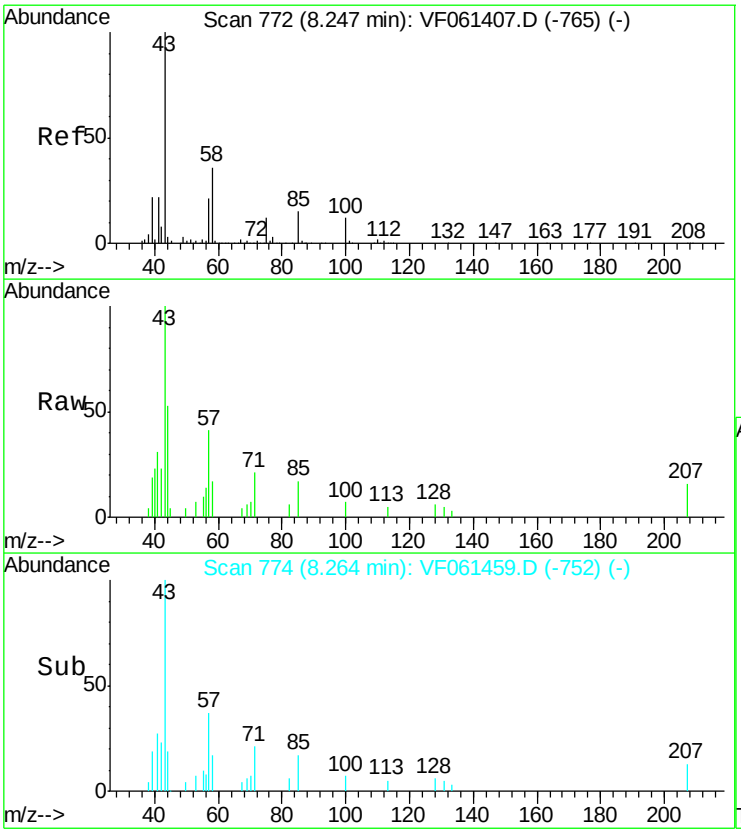
#50
Toluene-d8
Concen: 40.116 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion: 98 Resp: 313066

Ion	Ratio	Lower	Upper
98	100		
100	66.8	55.6	83.4

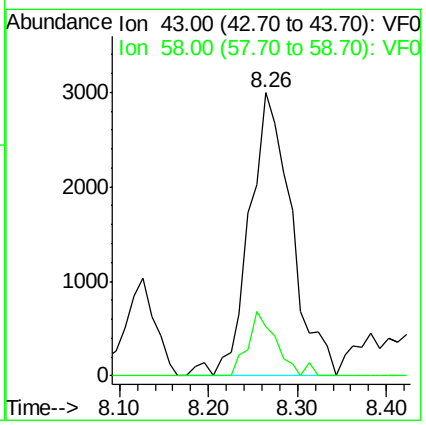


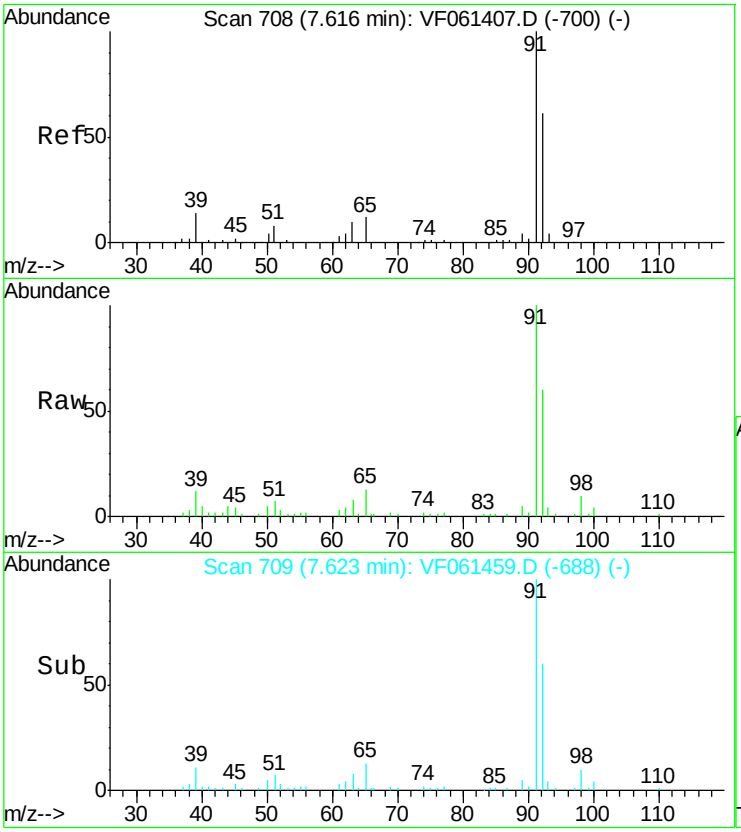


#51
4-Methyl-2-Pentanone
Concen: 6.360 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.02 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 43 Resp: 9817

Ion	Ratio	Lower	Upper
43	100		
58	17.1	28.8	43.2#



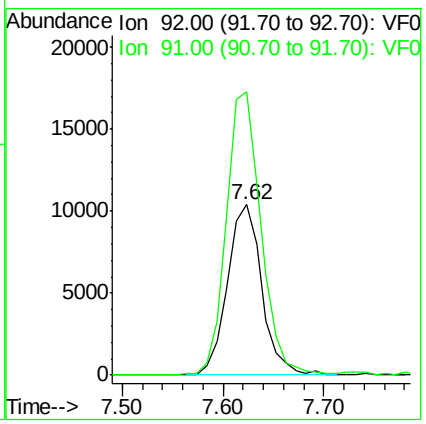


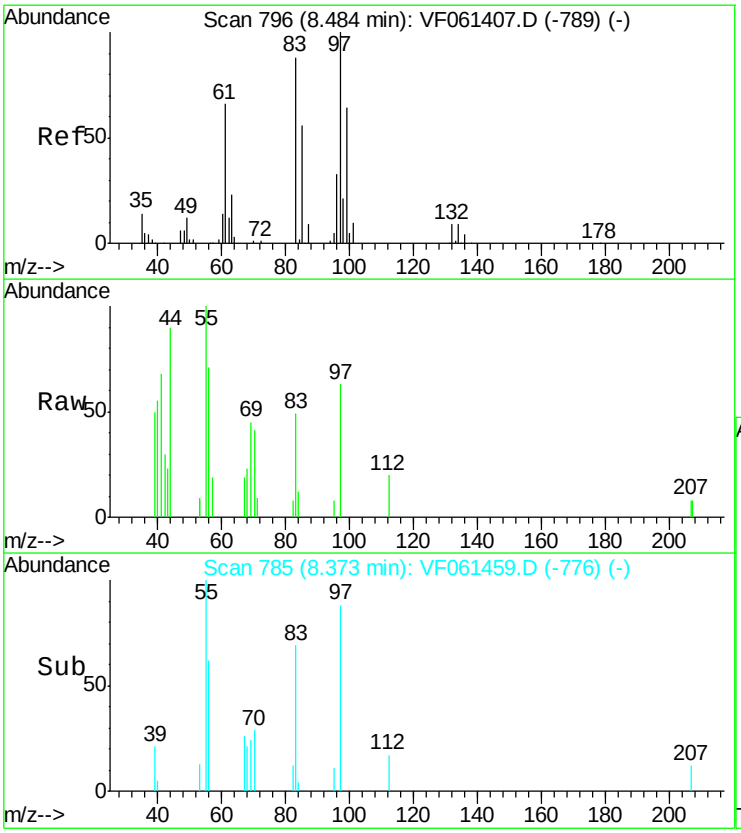
#52
Toluene
Concen: 4.000 ug/l
RT: 7.62 min Scan# 709
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion: 92 Resp: 24531

Ion	Ratio	Lower	Upper
92	100		
91	166.0	131.2	196.8

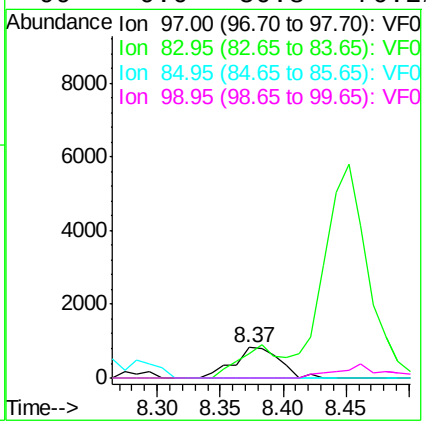


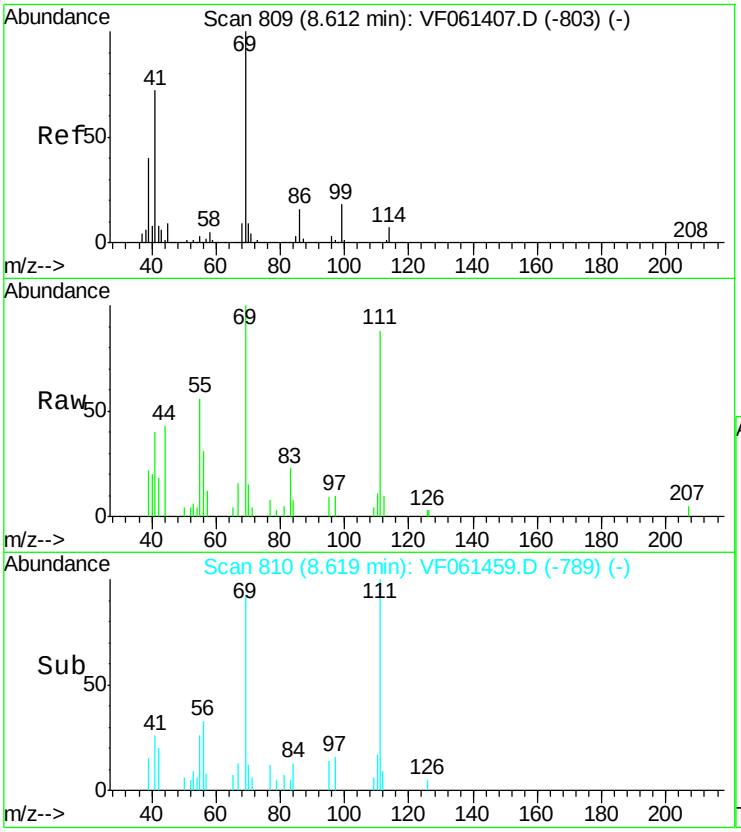


#55
1,1,2-Trichloroethane
Concen: 1.210 ug/l
RT: 8.37 min Scan# 785
Delta R.T. -0.11 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 97 Resp: 2108

Ion	Ratio	Lower	Upper
97	100		
83	78.7	70.4	105.6
85	0.0	44.7	67.1#
99	0.0	50.8	76.2#



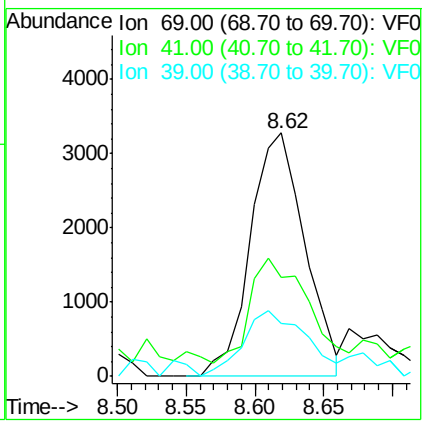


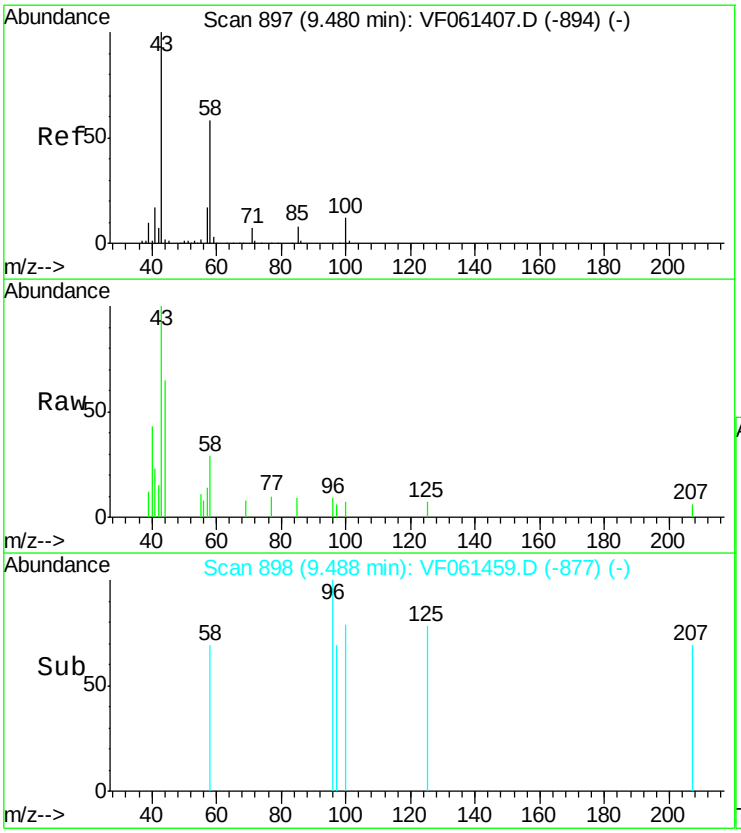
#56
Ethyl methacrylate
Concen: 4.454 ug/l
RT: 8.62 min Scan# 810
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 69 Resp: 9025

Ion	Ratio	Lower	Upper
69	100		
41	40.4	57.5	86.3#
39	21.6	32.0	48.0#

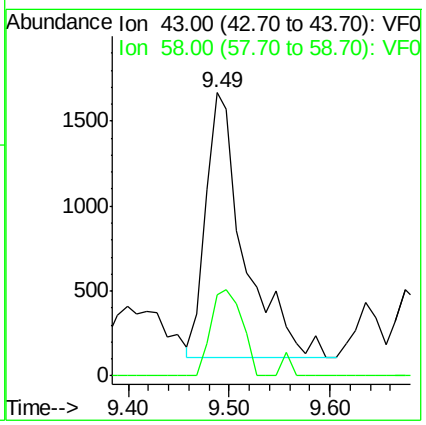


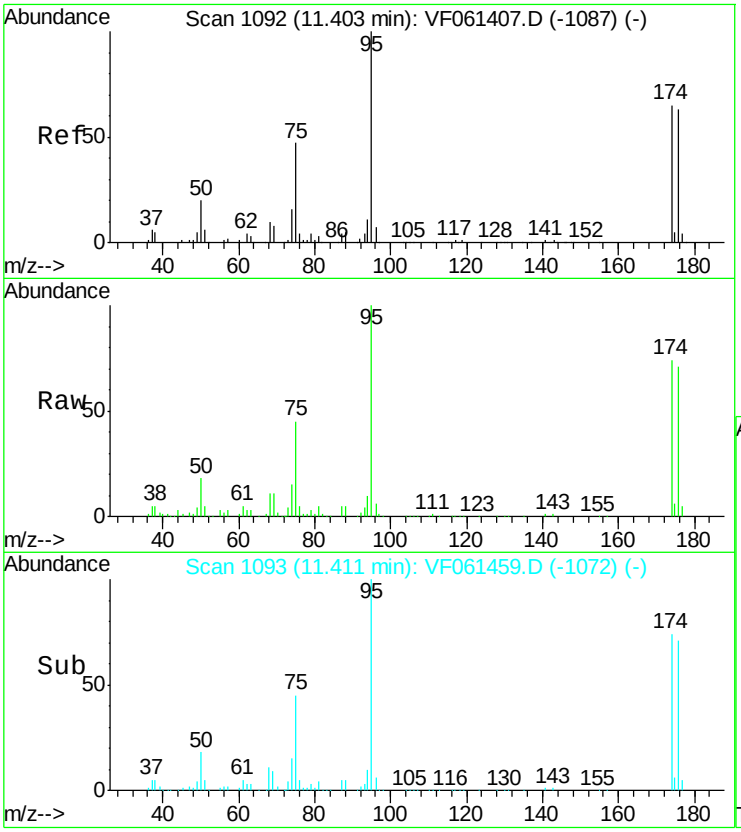


#59
2-Hexanone
Concen: 3.854 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 43 Resp: 4149

Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.9	77.6



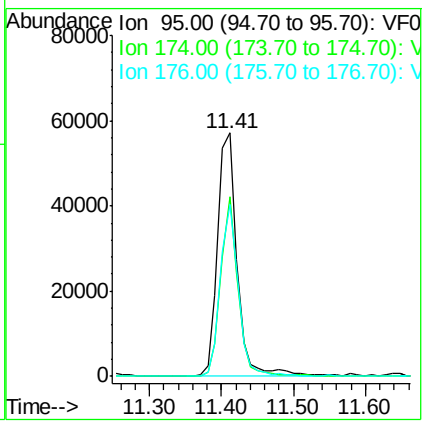


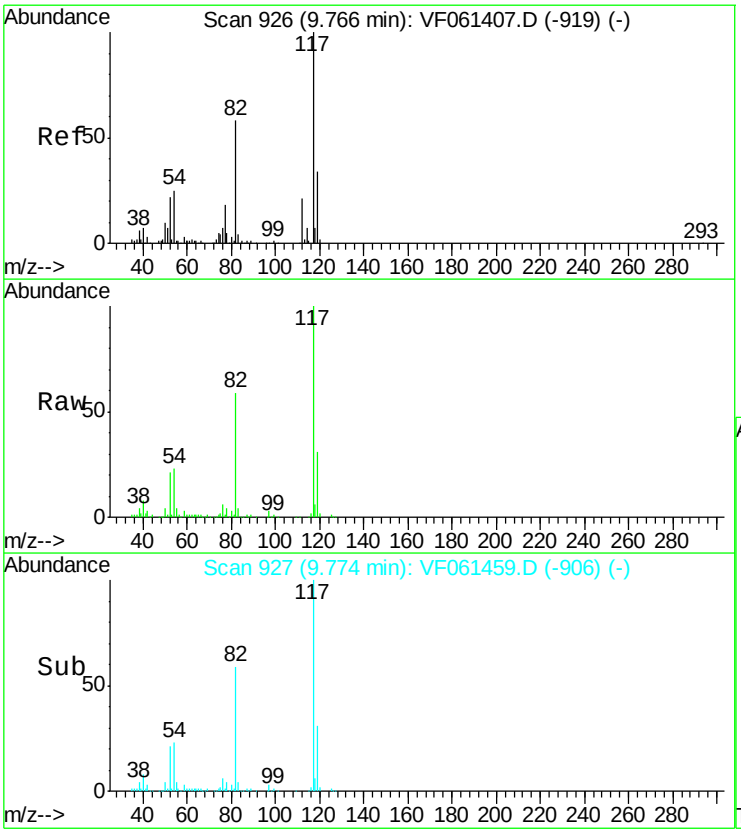
#62
4-Bromofluorobenzene
Concen: 29.439 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion: 95 Resp: 107344

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	130.4
176	70.7	0.0	126.2

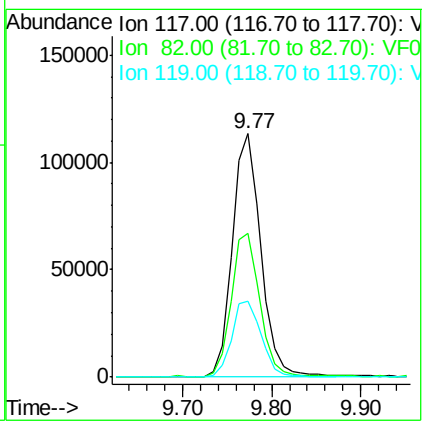


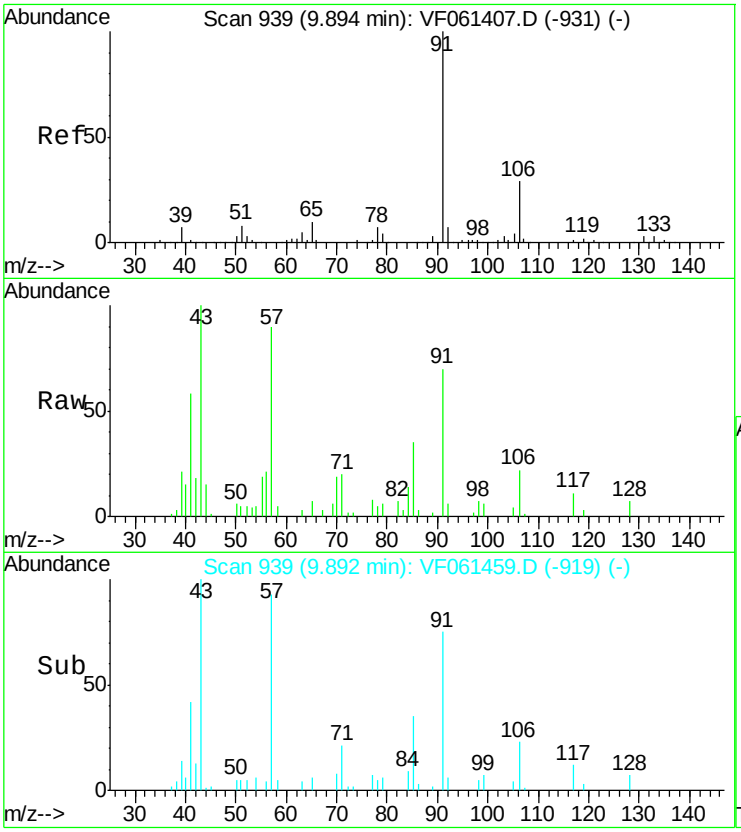


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:117 Resp: 255113

Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.4	69.6
119	31.4	27.2	40.8



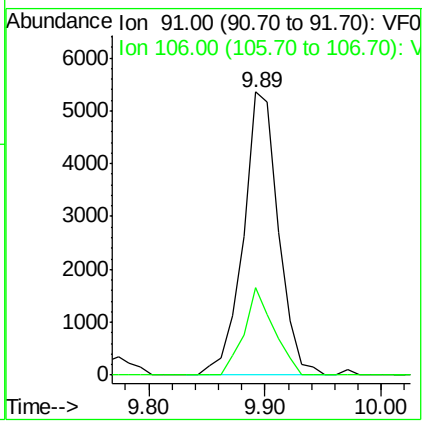


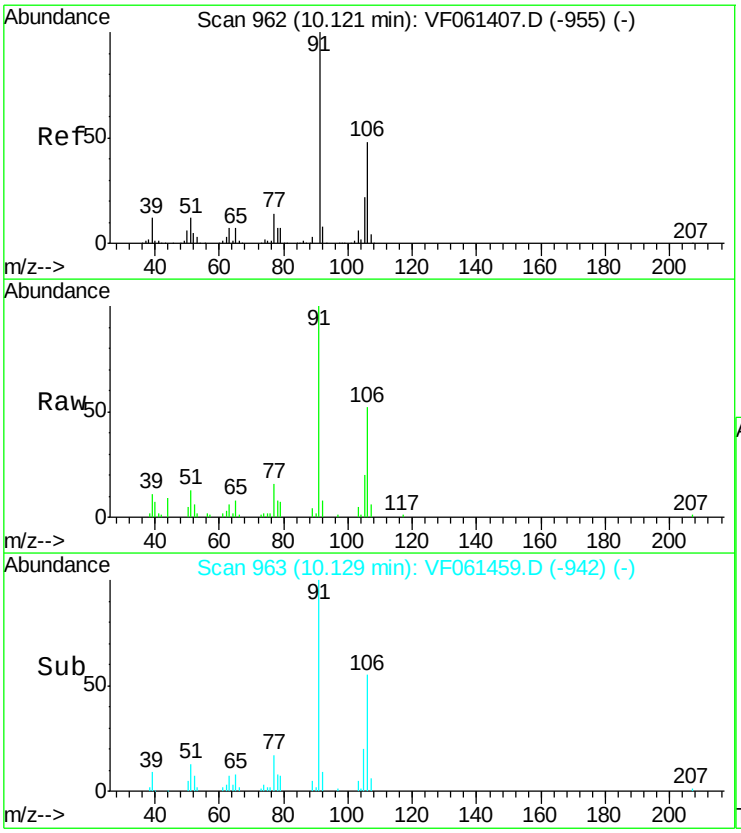
#67
Ethyl Benzene
Concen: 1.176 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 91 Resp: 11142

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.1	34.7

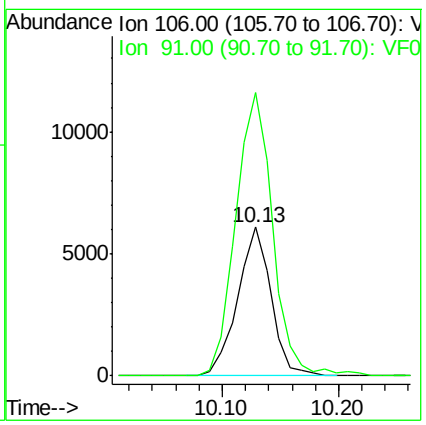


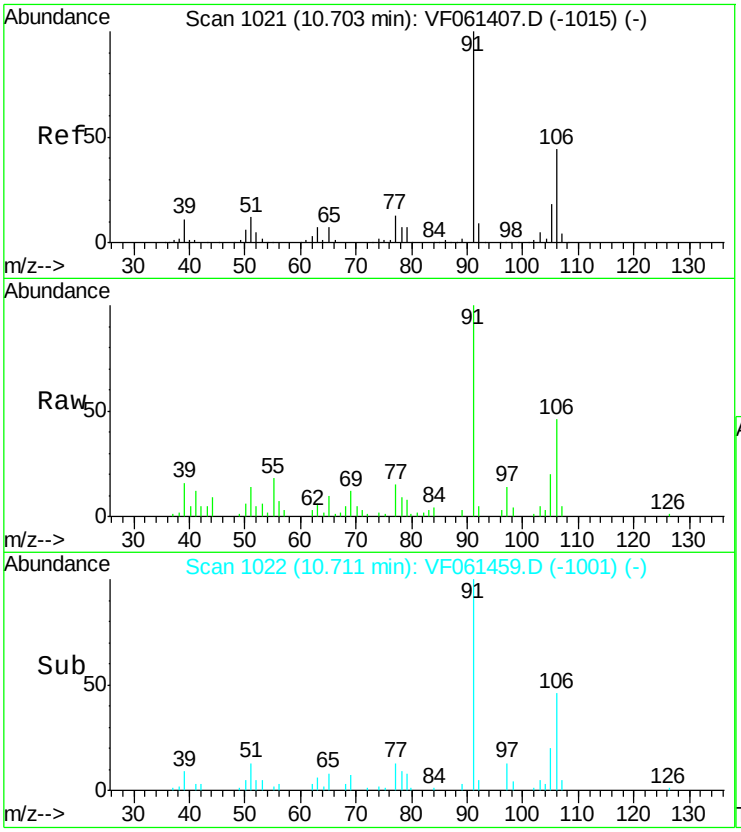


#68
m/p-Xylenes
Concen: 3.558 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:106 Resp: 12128

Ion	Ratio	Lower	Upper
106	100		
91	190.6	166.2	249.4



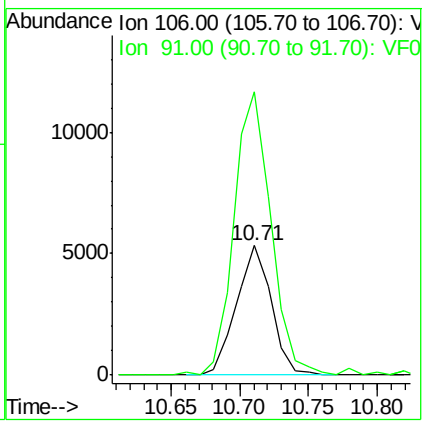


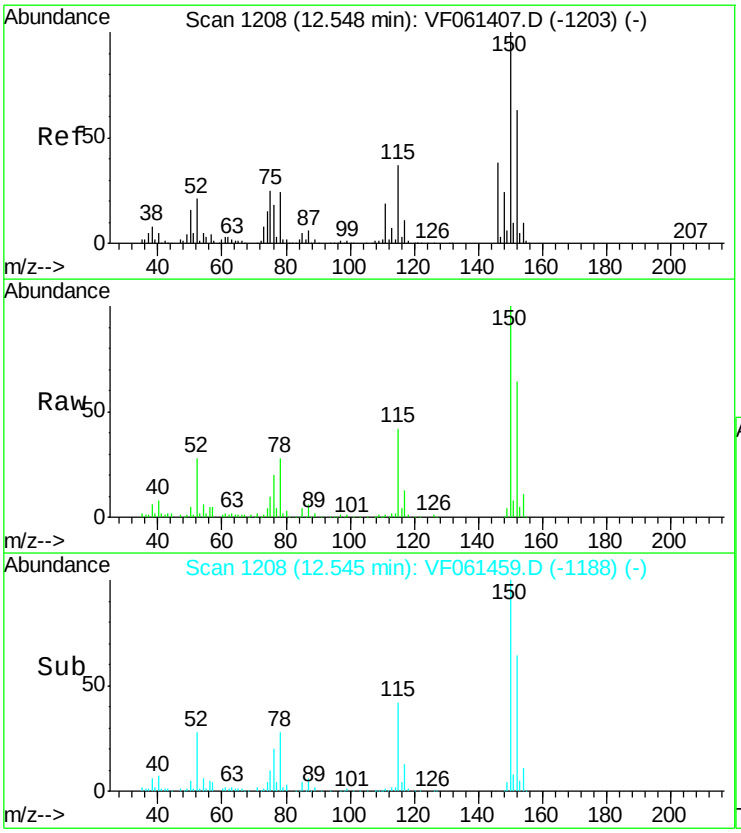
#69
o-Xylene
Concen: 2.551 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion:106 Resp: 9426

Ion	Ratio	Lower	Upper
106	100		
91	219.1	113.3	339.8

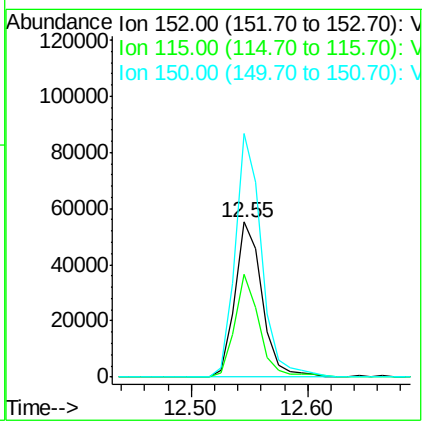


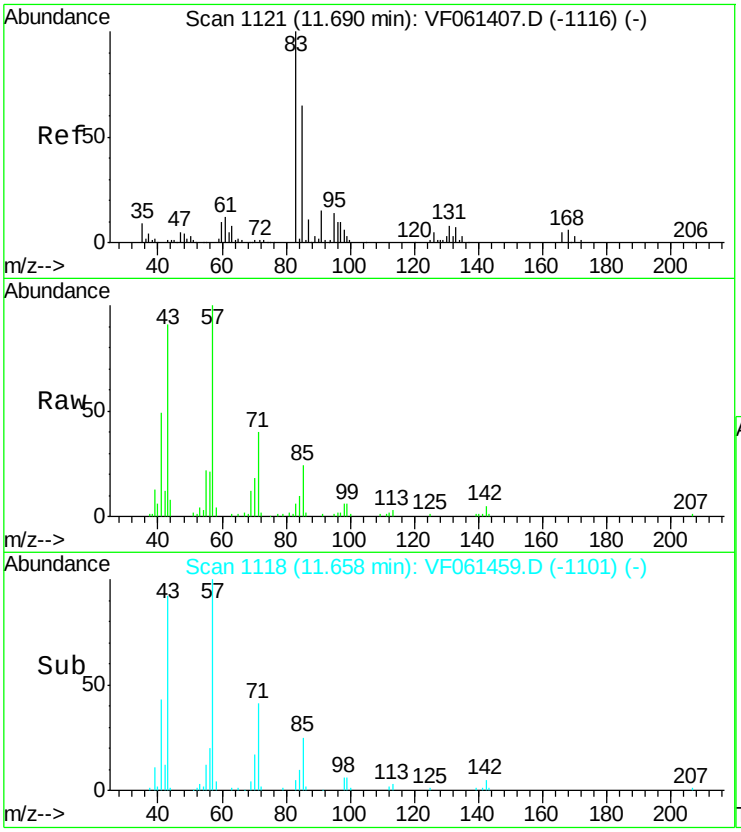


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:152 Resp: 89483

Ion	Ratio	Lower	Upper
152	100		
115	66.2	30.0	90.0
150	157.4	0.0	321.4



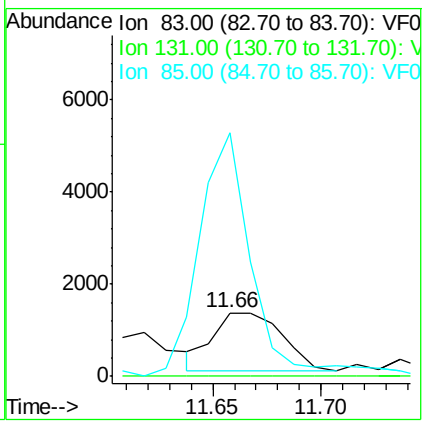


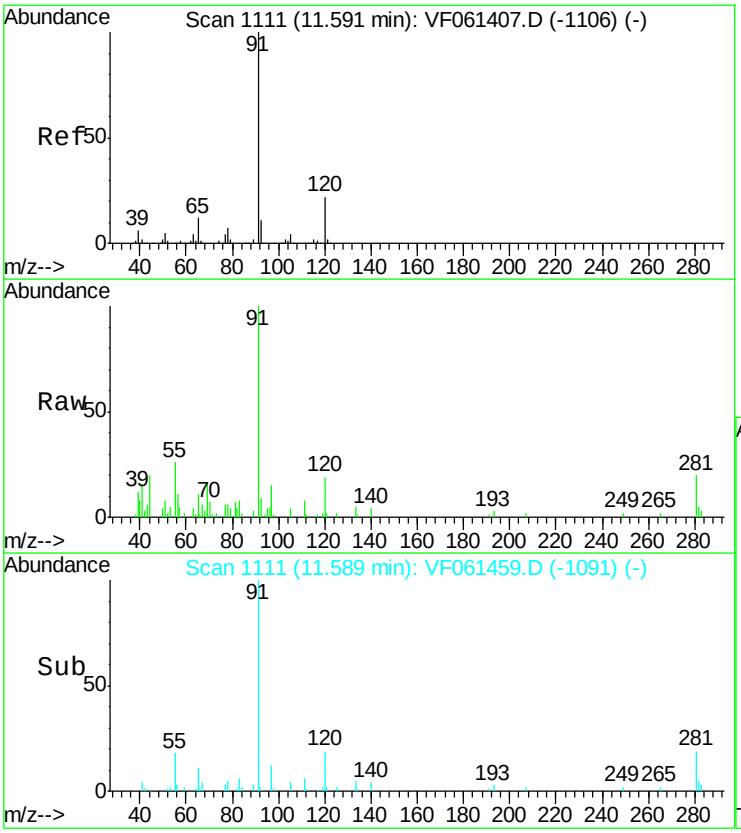
#75
1,1,2,2-Tetrachloroethane
Concen: 2.116 ug/l
RT: 11.66 min Scan# 1118
Delta R.T. -0.03 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion: 83 Resp: 2743

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.2#
85	384.0	32.7	98.1#

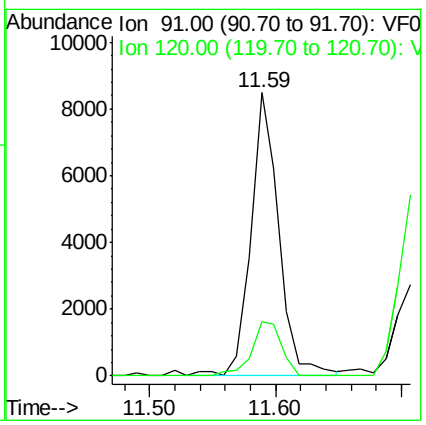


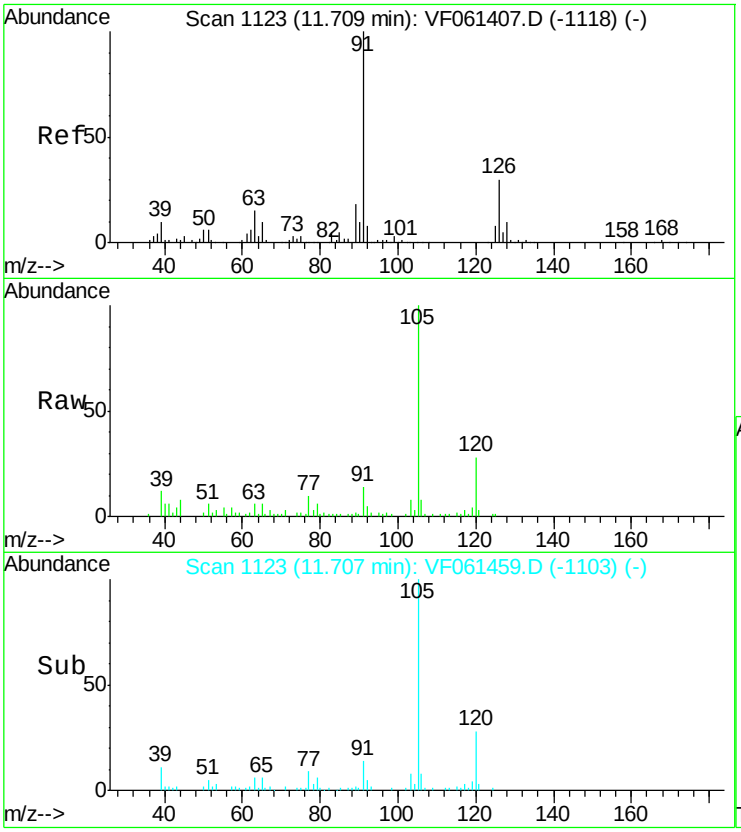


#78
n-propylbenzene
Concen: 1.535 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 91 Resp: 13096

Ion	Ratio	Lower	Upper
91	100		
120	19.2	10.9	32.6



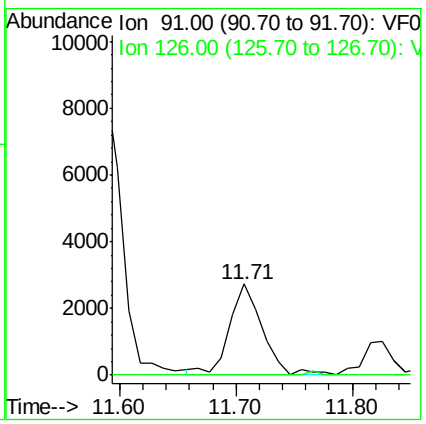


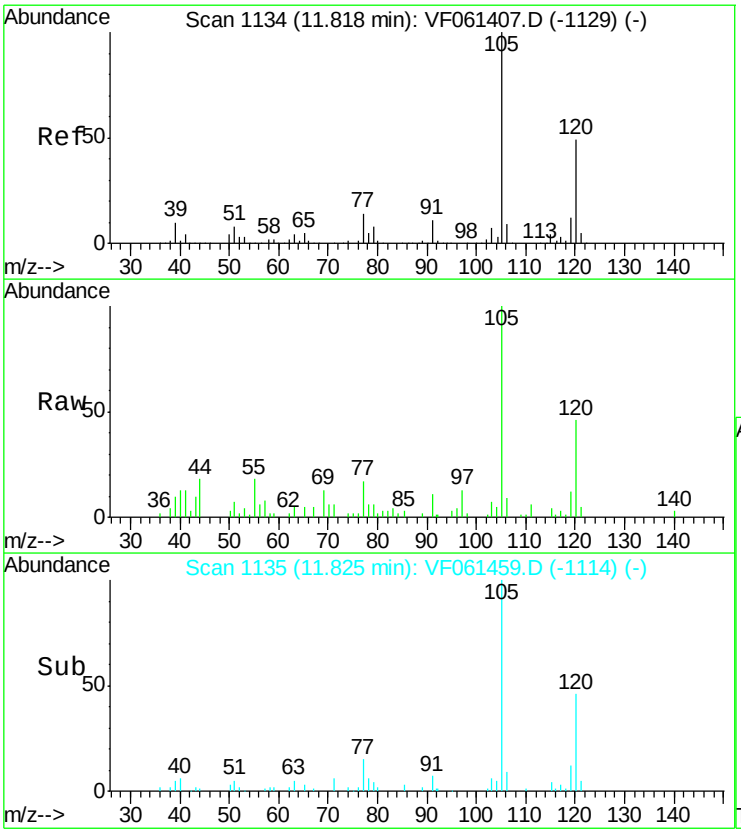
#79
2-Chlorotoluene
Concen: 1.072 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument : MSVOA_F
ClientSampleId : OR-03-011719-A

Tgt Ion: 91 Resp: 5412

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.0	45.1#

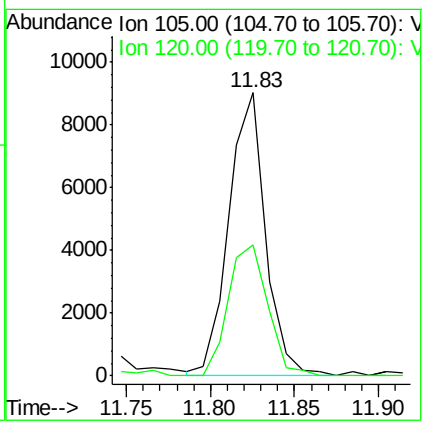


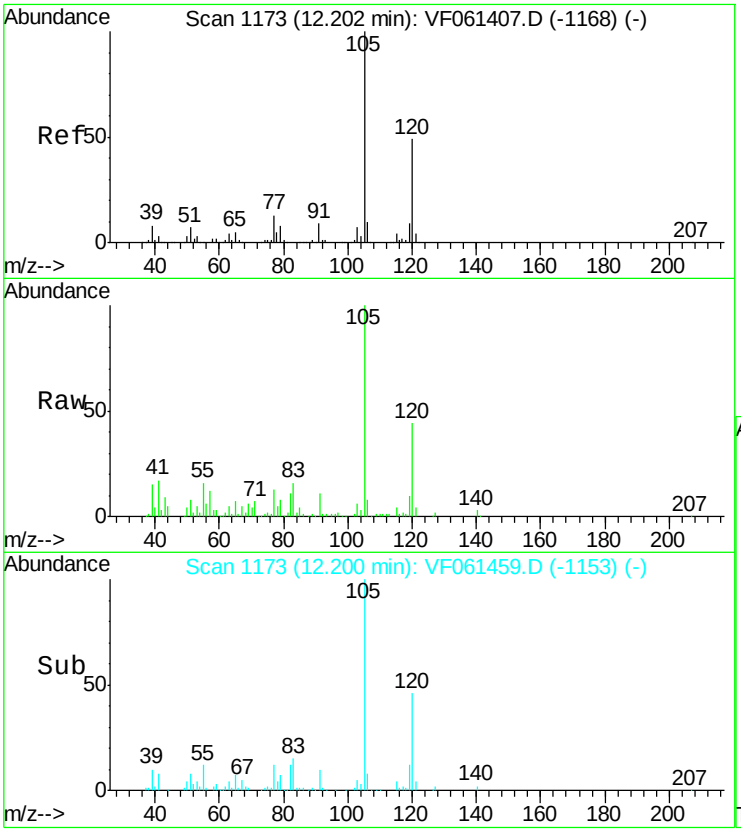


#80
1,3,5-Trimethylbenzene
Concen: 2.326 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:105 Resp: 13661

Ion	Ratio	Lower	Upper
105	100		
120	46.1	24.7	74.1



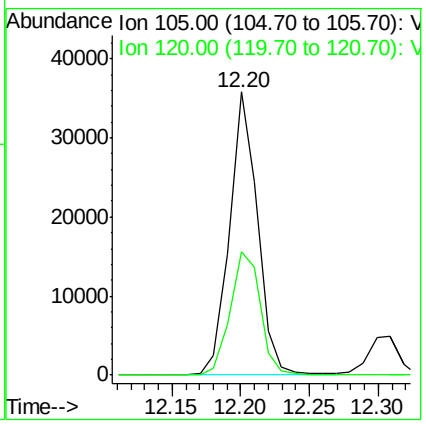


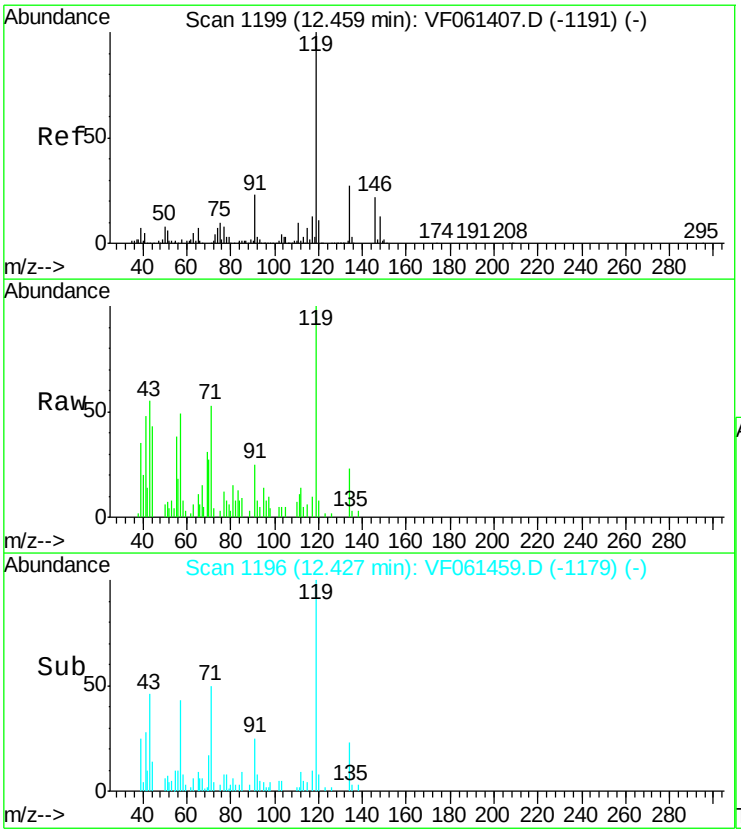
#84
1,2,4-Trimethylbenzene
Concen: 8.427 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion:105 Resp: 50983

Ion	Ratio	Lower	Upper
105	100		
120	43.5	24.9	74.6

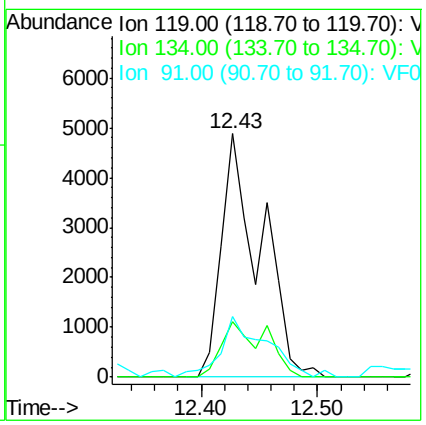


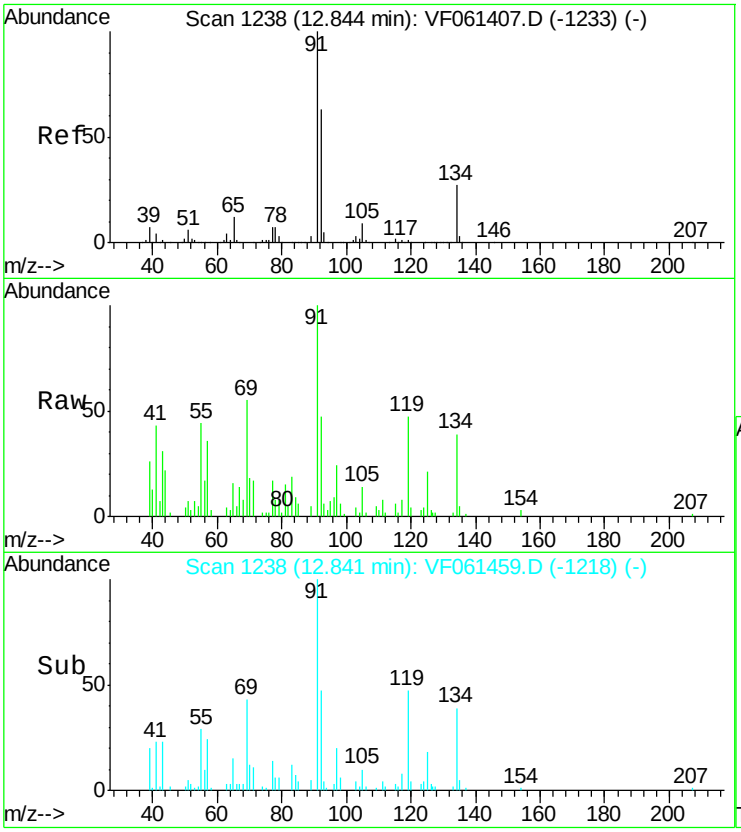


#86
p-Isopropyltoluene
Concen: 1.676 ug/l
RT: 12.43 min Scan# 1196
Delta R.T. -0.03 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:119 Resp: 11355

Ion	Ratio	Lower	Upper
119	100		
134	22.8	13.4	40.2
91	25.1	11.4	34.2



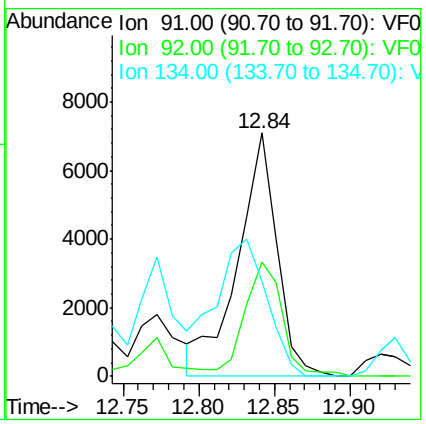


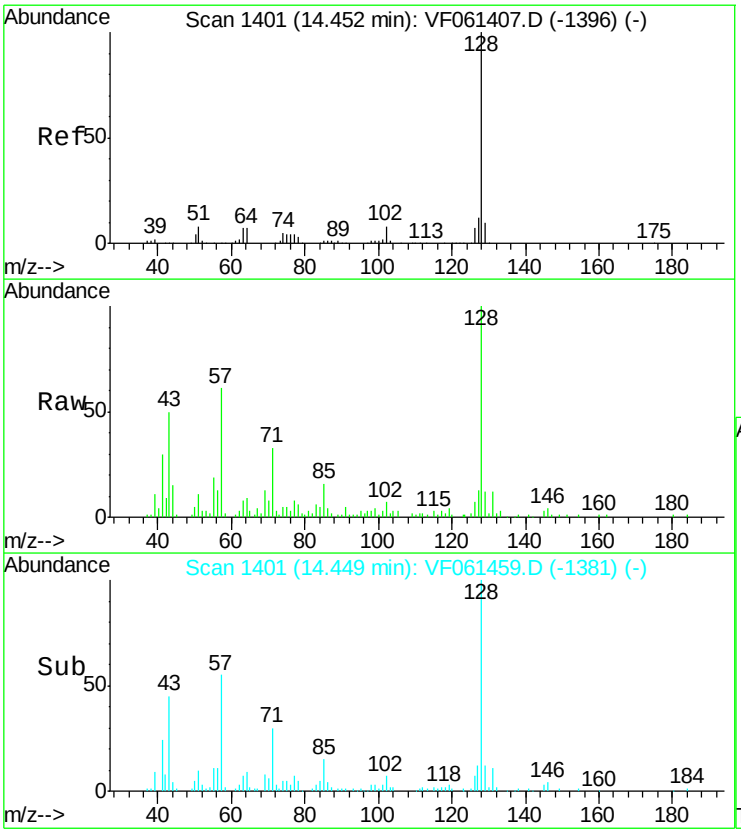
#89
n-Butylbenzene
Concen: 1.843 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

Tgt Ion: 91 Resp: 12882

Ion	Ratio	Lower	Upper
91	100		
92	47.0	31.6	94.7
134	39.1	13.6	40.8





#95
Naphthalene
Concen: 10.198 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:128 Resp: 39026

Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.5	14.3
129	12.1	8.4	12.6