Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032519\
Data File : VF062131.D
Acq On : 25 Mar 2019 14:57
Operator : VA/AP
Sample : K2078-02RE
Misc : 3.33g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Mar 26 04:20:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	238122	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	392220	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	293415	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	135660	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	84490	47.70	ug/l	-0.03
Spiked Amount 50.000			Recovery = 95.40%			
35) Dibromofluoromethane	4.11	113	9039	3.41	ug/l	-0.03
Spiked Amount 50.000			Recovery = 6.82%			
50) Toluene-d8	7.56	98	286290	36.15	ug/l	-0.03
Spiked Amount 50.000			Recovery = 72.30%			
62) 4-Bromofluorobenzene	11.41	95	112722	36.87	ug/l	-0.02
Spiked Amount 50.000			Recovery = 73.74%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.58	59	1008	10.343	ug/l #	66
13) Acrolein	2.02	56	938	8.004	ug/l #	77
15) Acrylonitrile	2.95	53	545	1.590	ug/l #	65
16) Acetone	2.24	43	31570	84.690	ug/l	95
18) Methyl Acetate	2.39	43	6227	7.003	ug/l #	56
20) Methylene Chloride	2.18	84	4371	Below Cal	#	90
25) 2-Butanone	4.33	43	2820	3.624	ug/l #	91
29) Tetrahydrofuran	4.08	42	1810	5.349	ug/l #	53
51) 4-Methyl-2-Pentanone	8.26	43	3683	2.783	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.30	63	415	1.392	ug/l #	48
59) 2-Hexanone	9.49	43	4405	4.542	ug/l	83
68) m/p-Xylenes	10.13	106	5436	1.523	ug/l	95
69) o-Xylene	10.71	106	4319	1.156	ug/l	77
80) 1,3,5-Trimethylbenzene	11.82	105	11769	1.499	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	26385	3.428	ug/l	94
86) p-Isopropyltoluene	12.46	119	12979	1.409	ug/l	88
95) Naphthalene	14.45	128	46140	9.285	ug/l	98

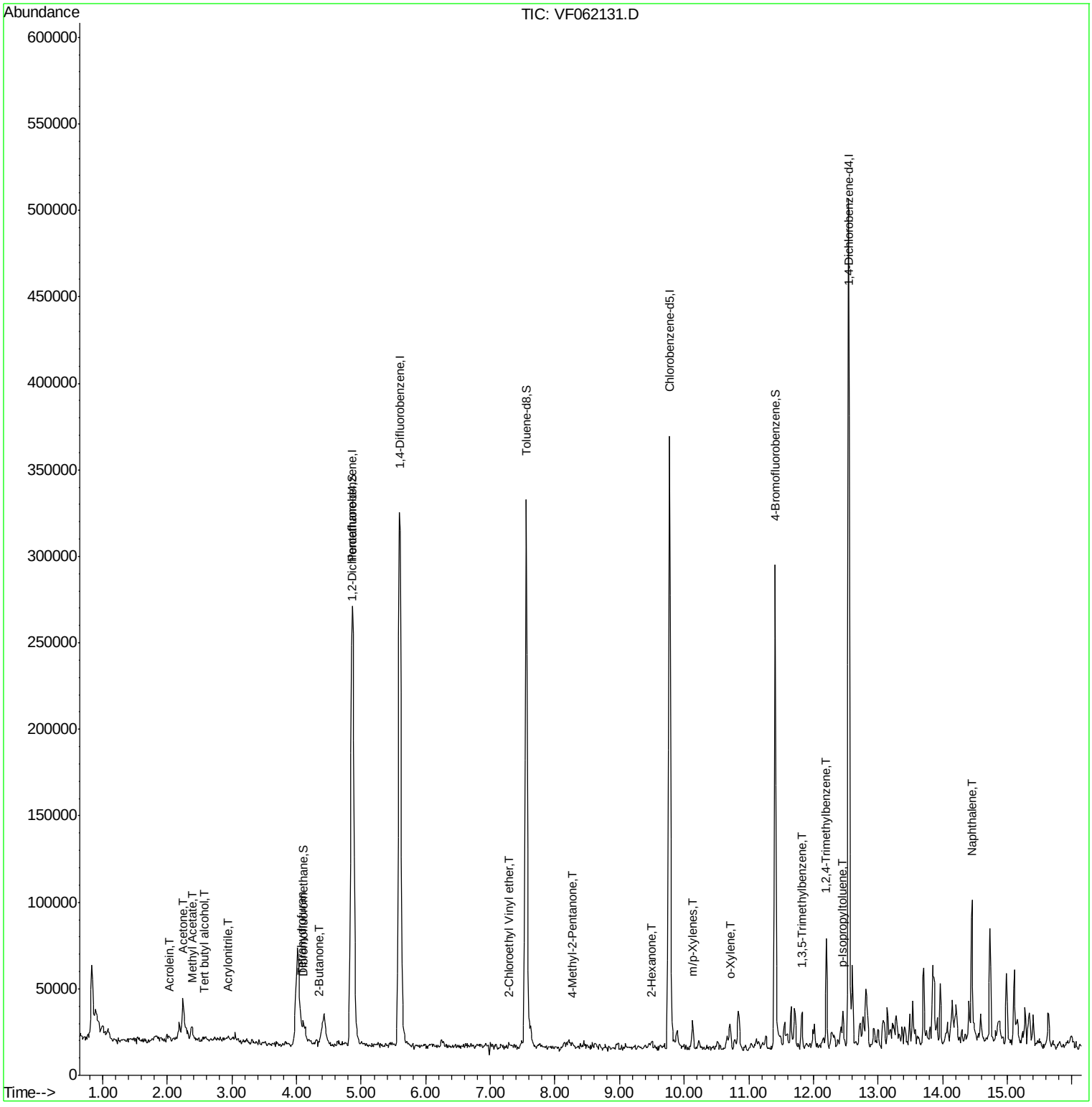
(#) = qualifier out of range (m) = manual integration (+) = signals summed

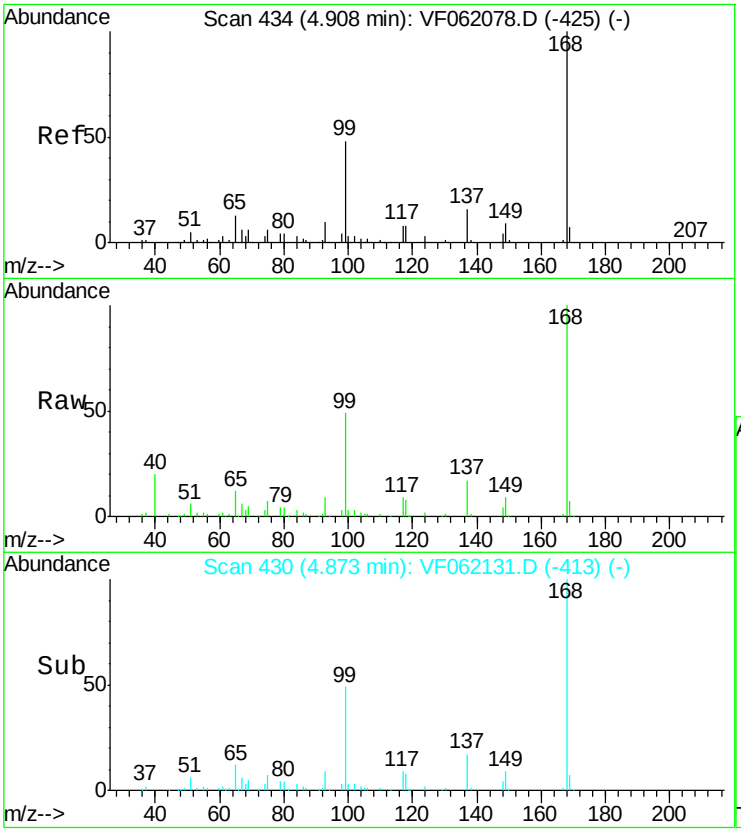
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032519\
Data File : VF062131.D
Acq On : 25 Mar 2019 14:57
Operator : VA/AP
Sample : K2078-02RE
Misc : 3.33g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 26 04:20:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration



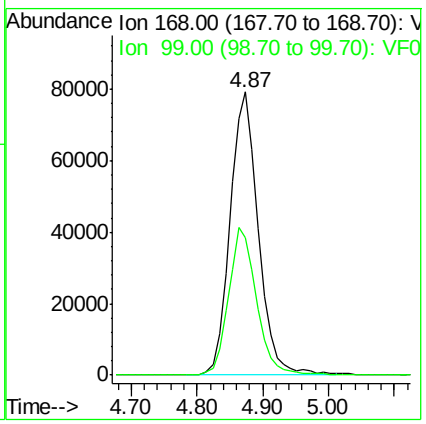


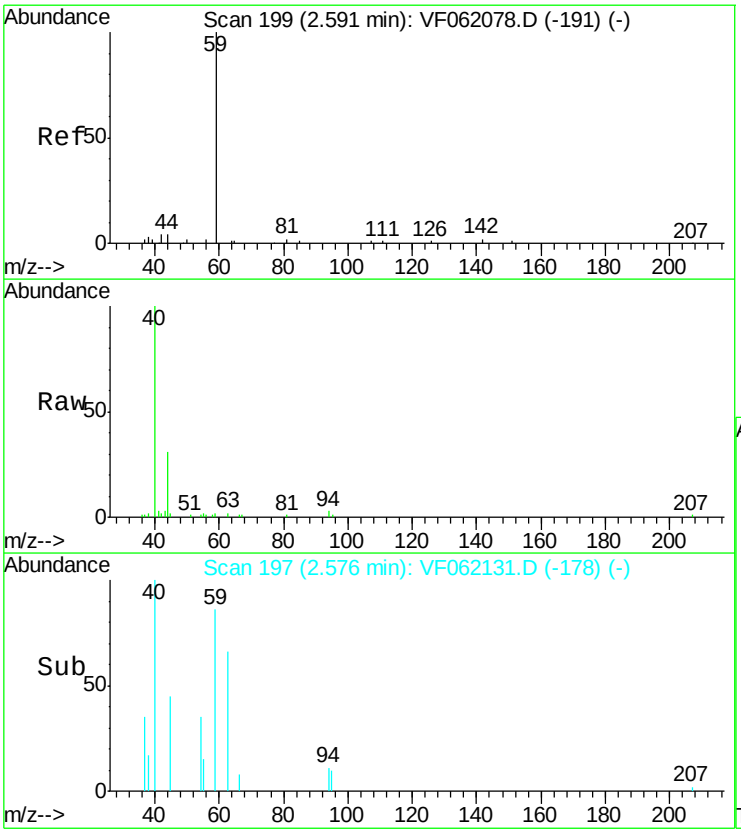
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 238122

Ion	Ratio	Lower	Upper
168	100		
99	48.6	38.2	57.4

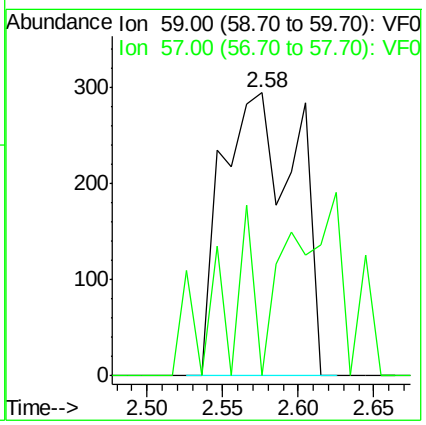


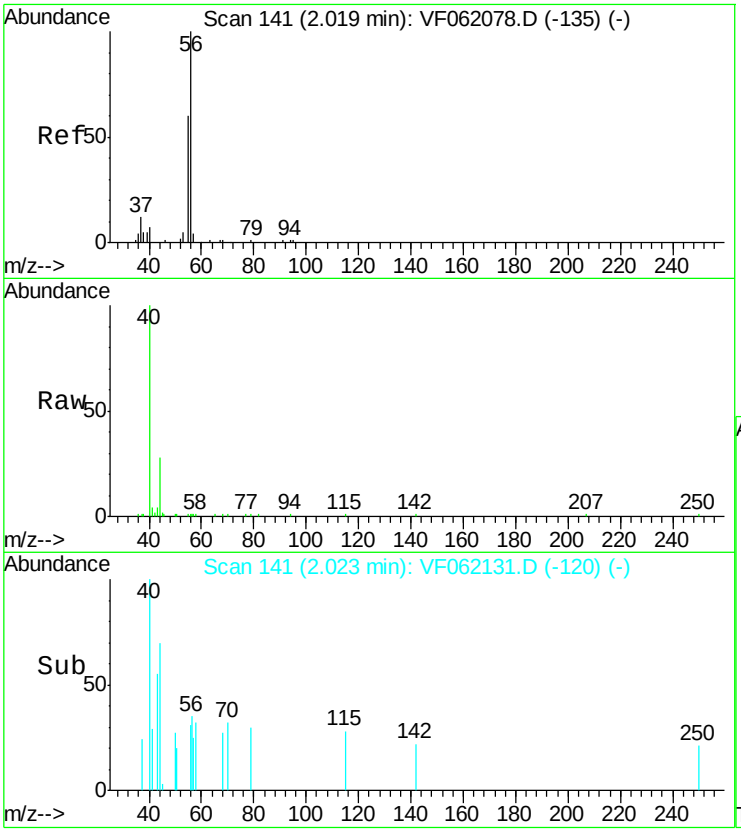


#11
Tert butyl alcohol
Concen: 10.343 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 59 Resp: 1008

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.0	16.4#



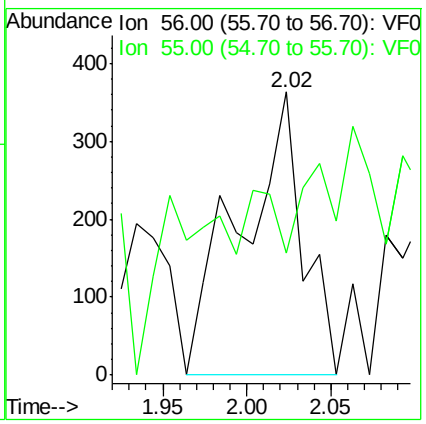


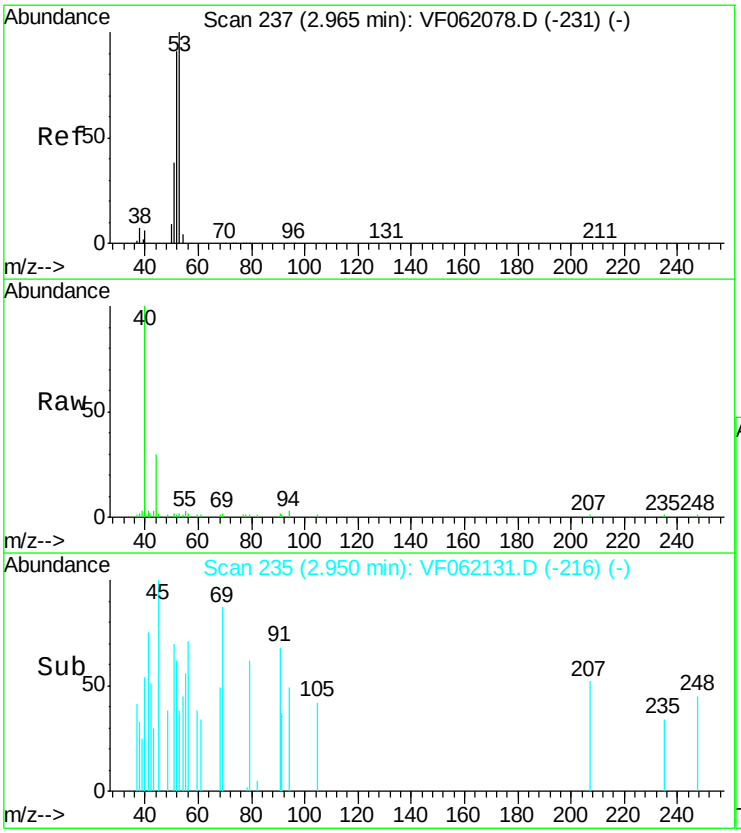
#13
Acrolein
Concen: 8.004 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 938

Ion	Ratio	Lower	Upper
56	100		
55	43.3	49.0	73.4#

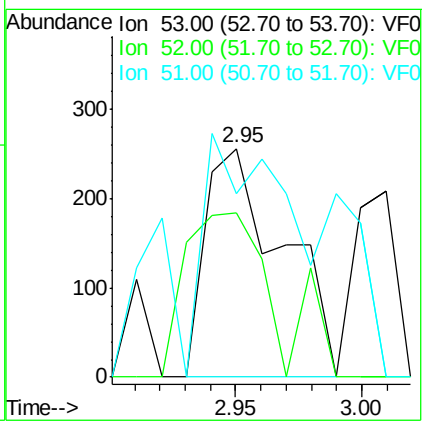


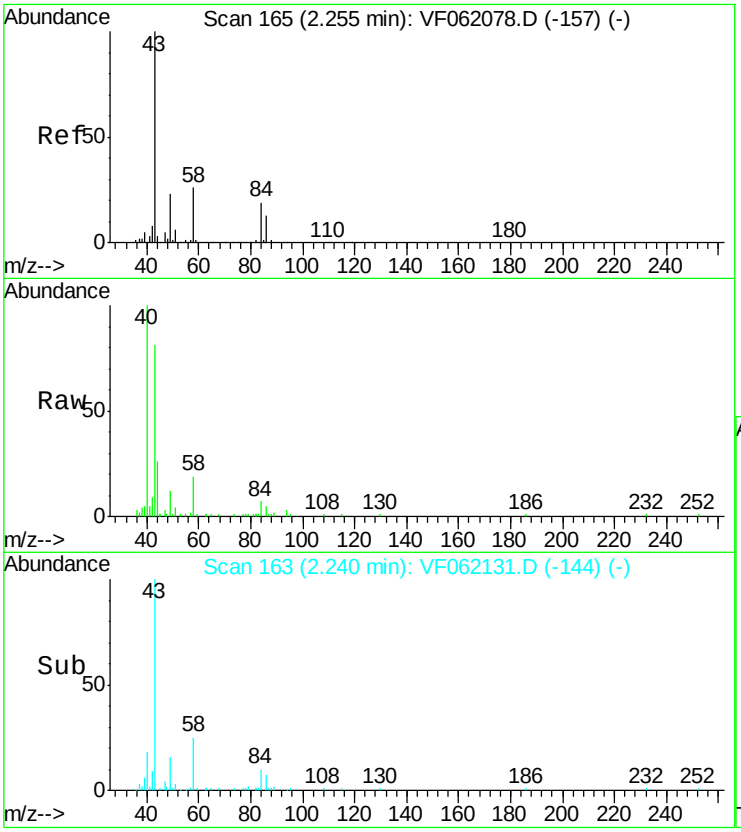


#15
Acrylonitrile
Concen: 1.590 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 53 Resp: 545

Ion	Ratio	Lower	Upper
53	100		
52	71.9	72.3	108.5#
51	80.5	30.4	45.6#



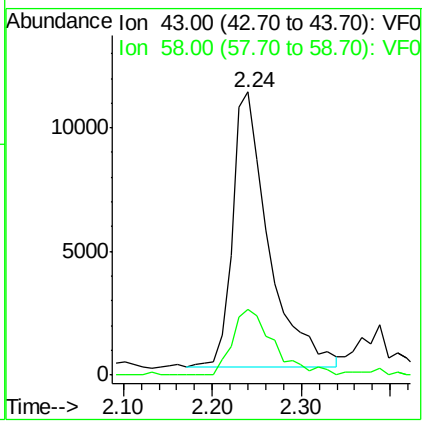


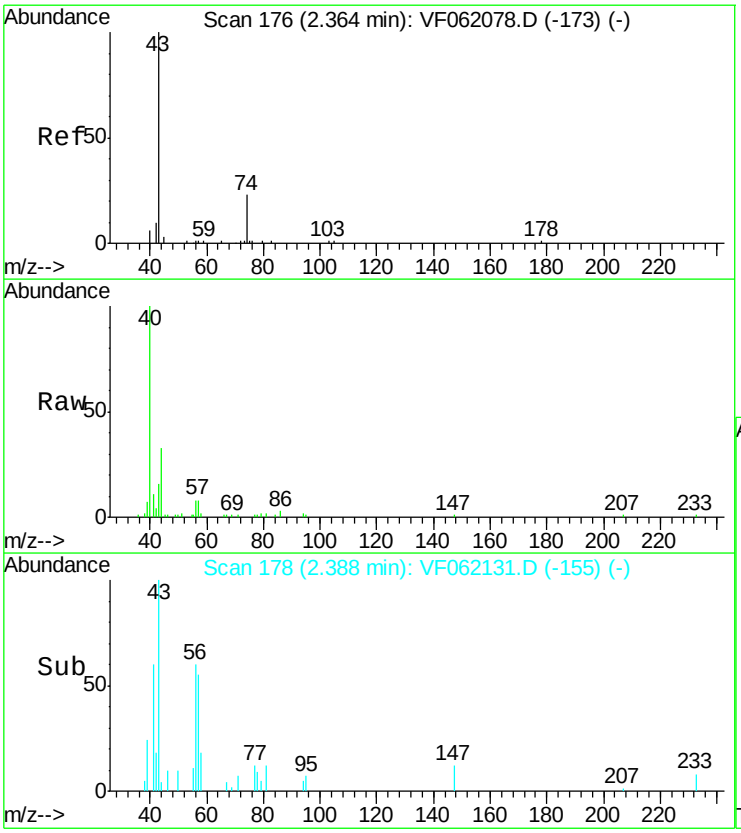
#16
Acetone
Concen: 84.690 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 31570

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.8	31.2

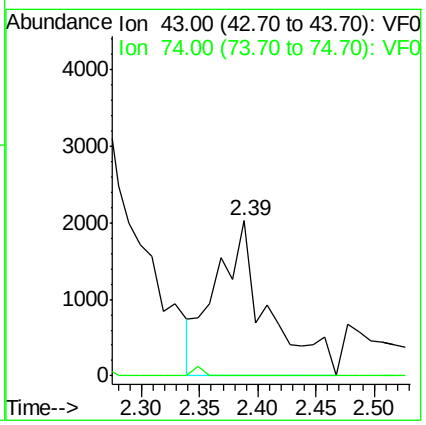


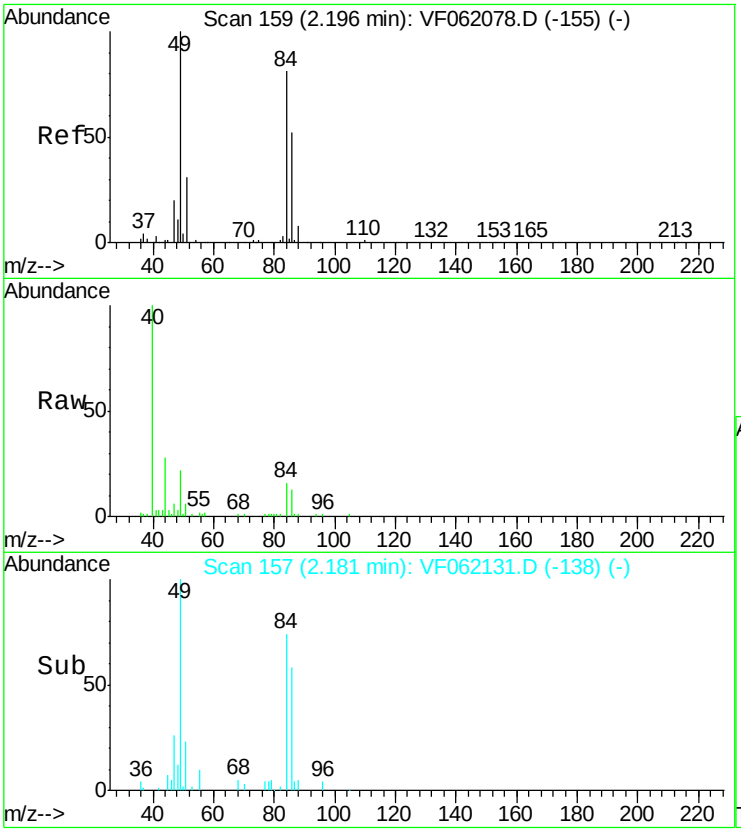


#18
Methyl Acetate
Concen: 7.003 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 43 Resp: 6227

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.3	24.5#



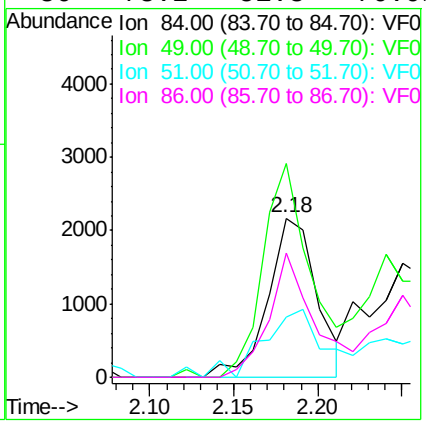


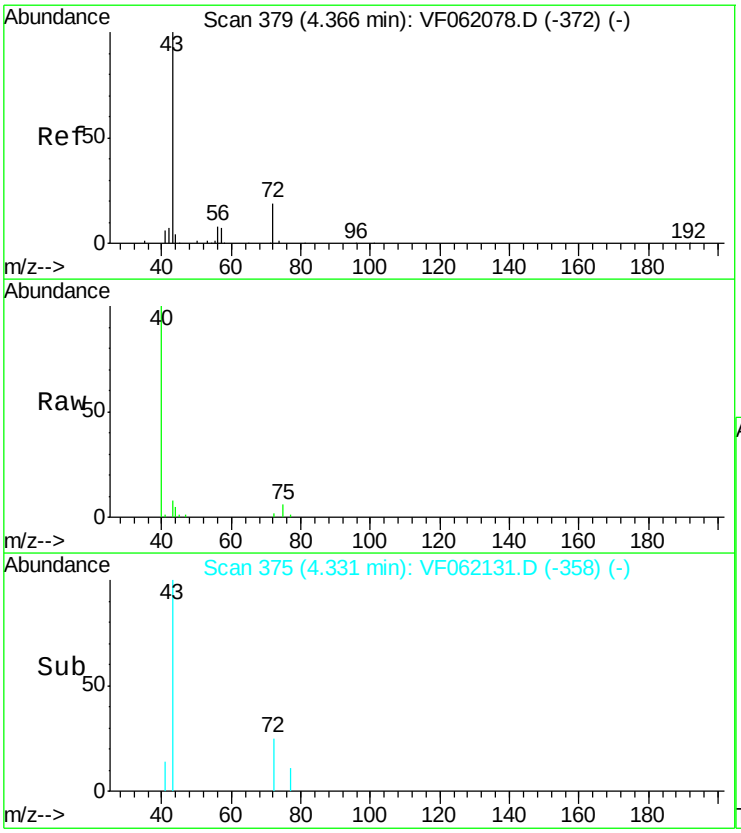
#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 4371

Ion	Ratio	Lower	Upper
84	100		
49	134.4	100.4	150.6
51	37.6	31.0	46.6
86	78.2	51.3	76.9#

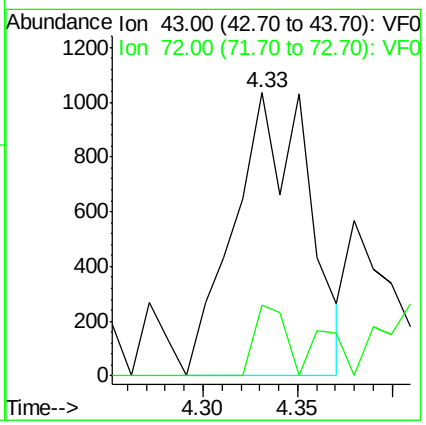


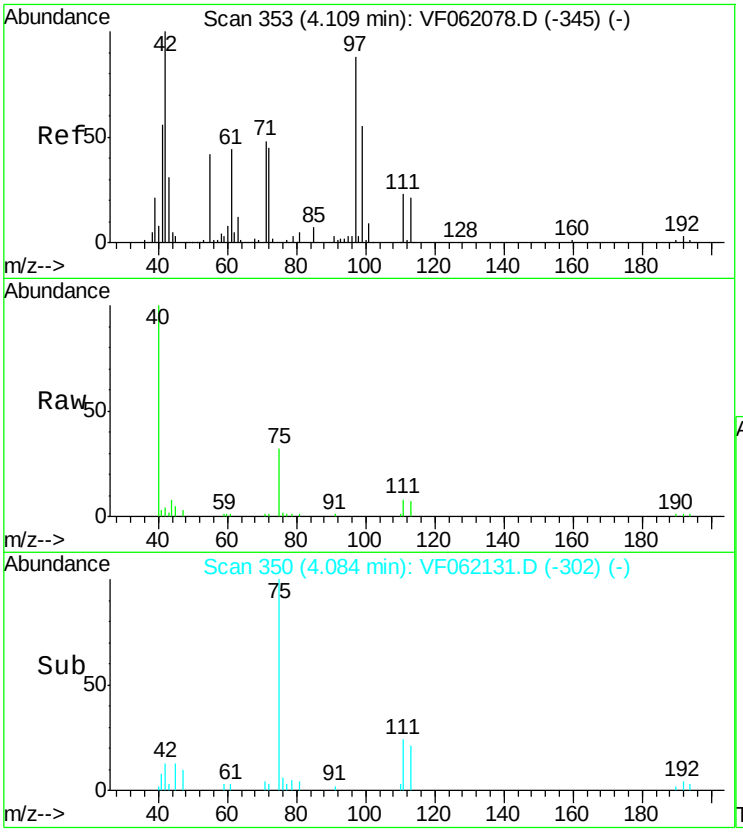


#25
2-Butanone
Concen: 3.624 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 43 Resp: 2820

Ion	Ratio	Lower	Upper
43	100		
72	25.2	16.7	25.1#



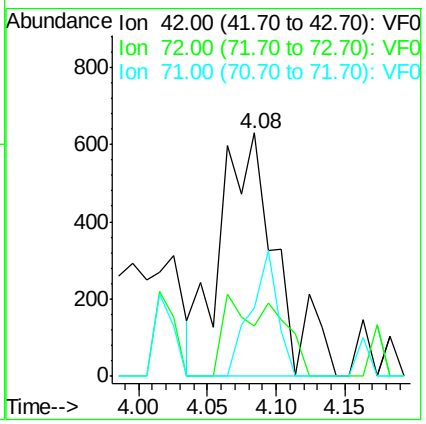


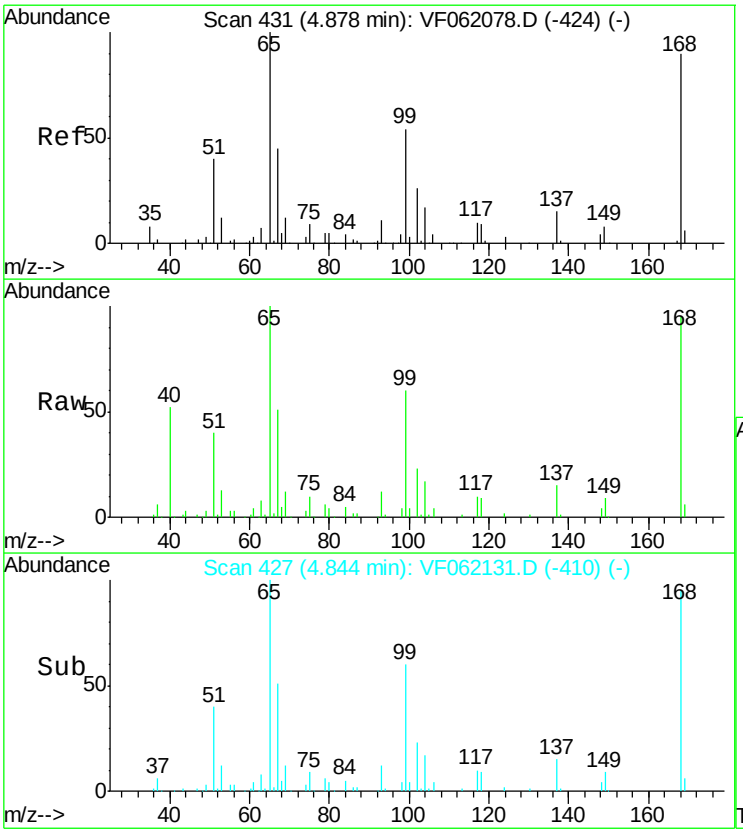
#29
Tetrahydrofuran
Concen: 5.349 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 1810

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.3	49.9#
71	24.7	35.0	52.4#

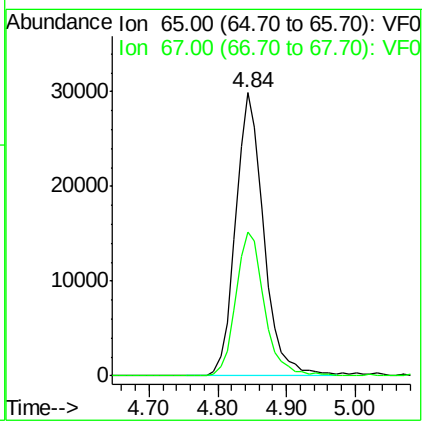


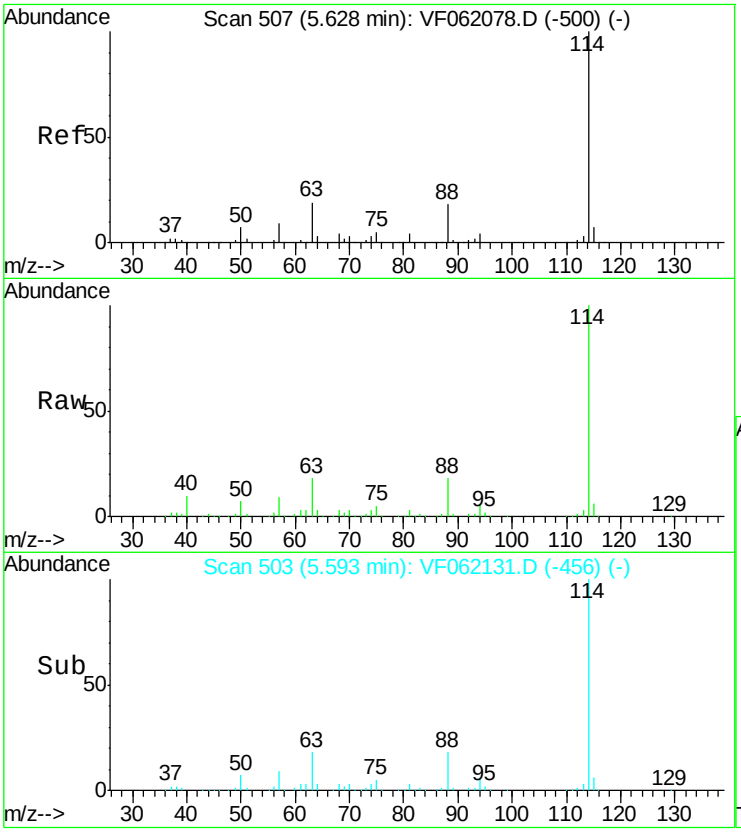


#33
1,2-Dichloroethane-d4
Concen: 47.703 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 65 Resp: 84490

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



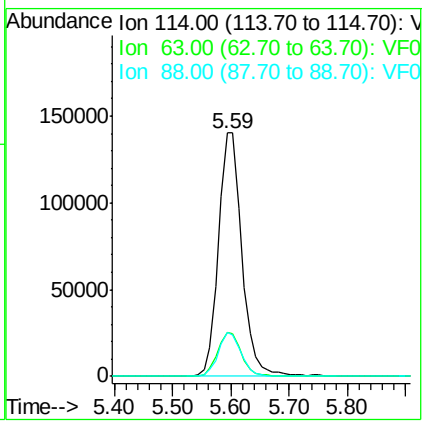


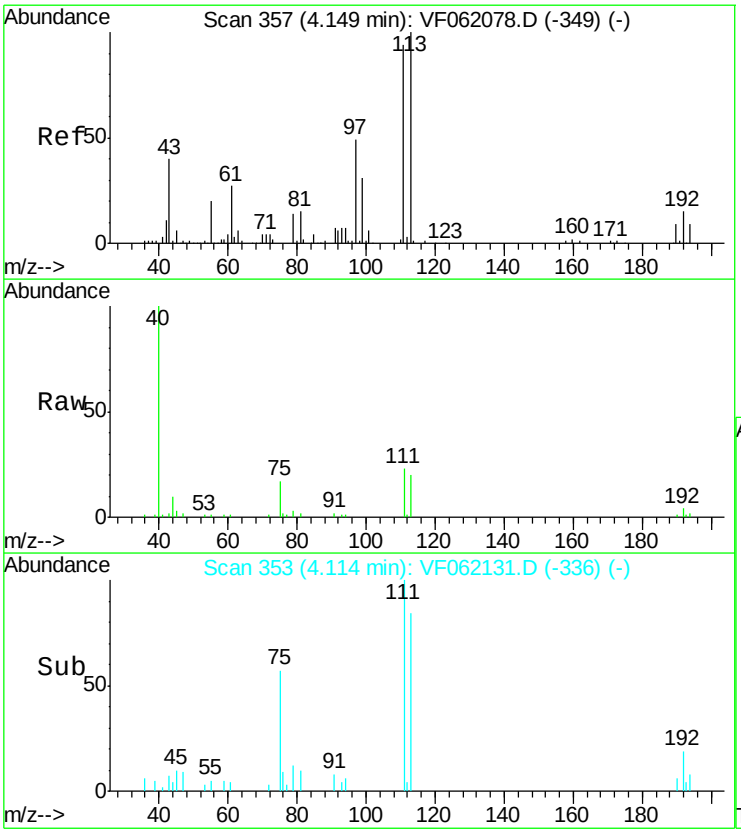
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 392220

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	37.8
88	18.0	0.0	36.4

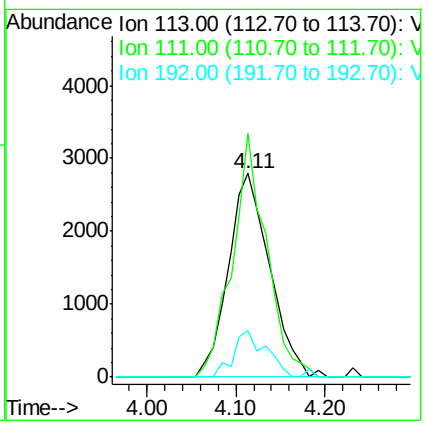


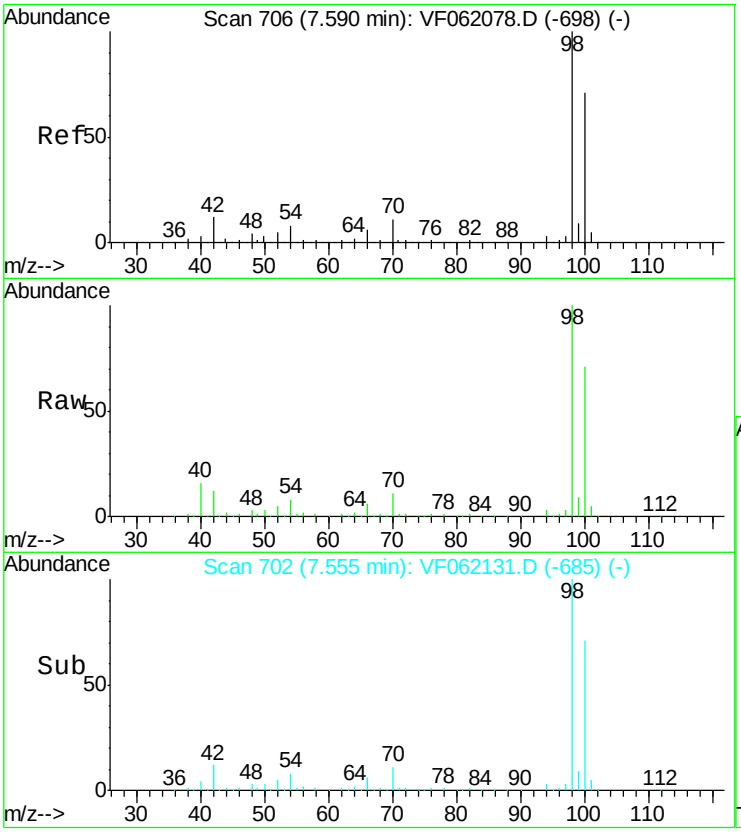


#35
Dibromofluoromethane
Concen: 3.407 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:113 Resp: 9039

Ion	Ratio	Lower	Upper
113	100		
111	119.5	75.4	113.0#
192	27.6	12.3	18.5#



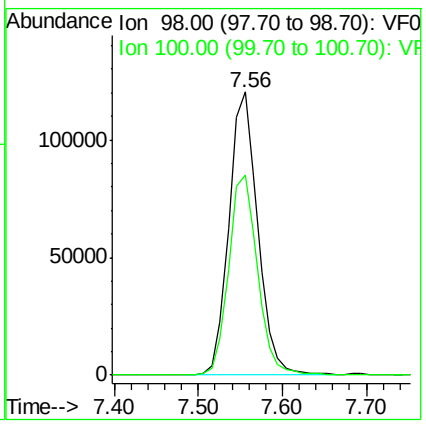


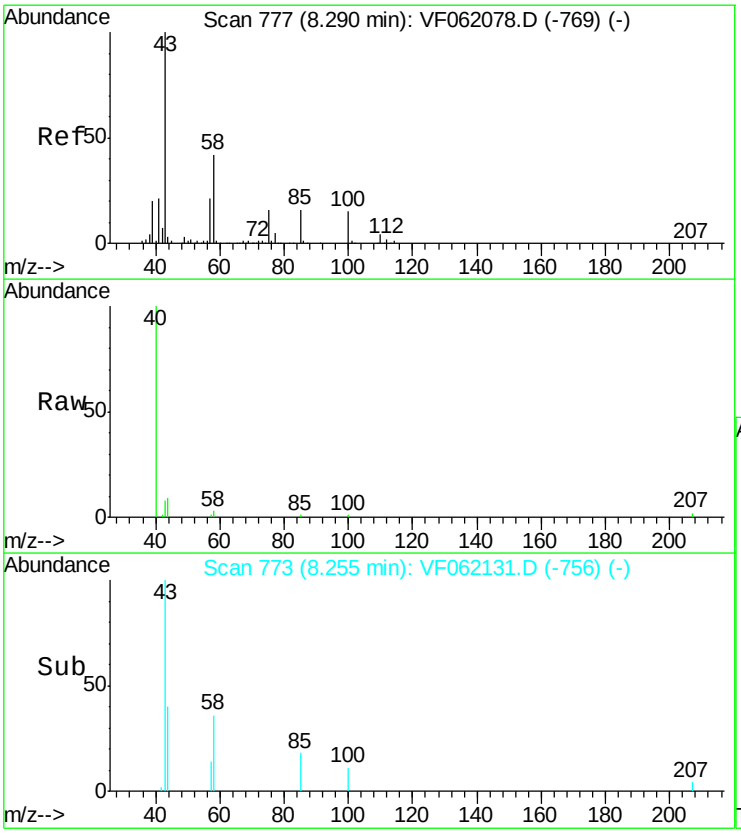
#50
Toluene-d8
Concen: 36.148 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 286290

Ion	Ratio	Lower	Upper
98	100		
100	70.9	57.0	85.6

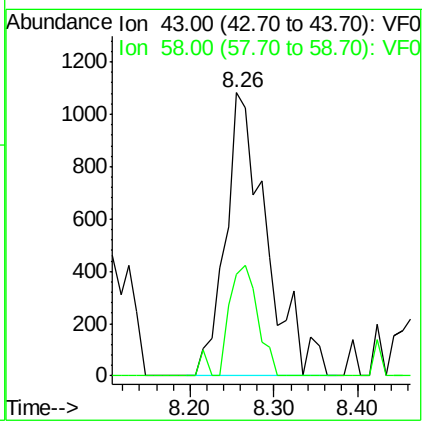


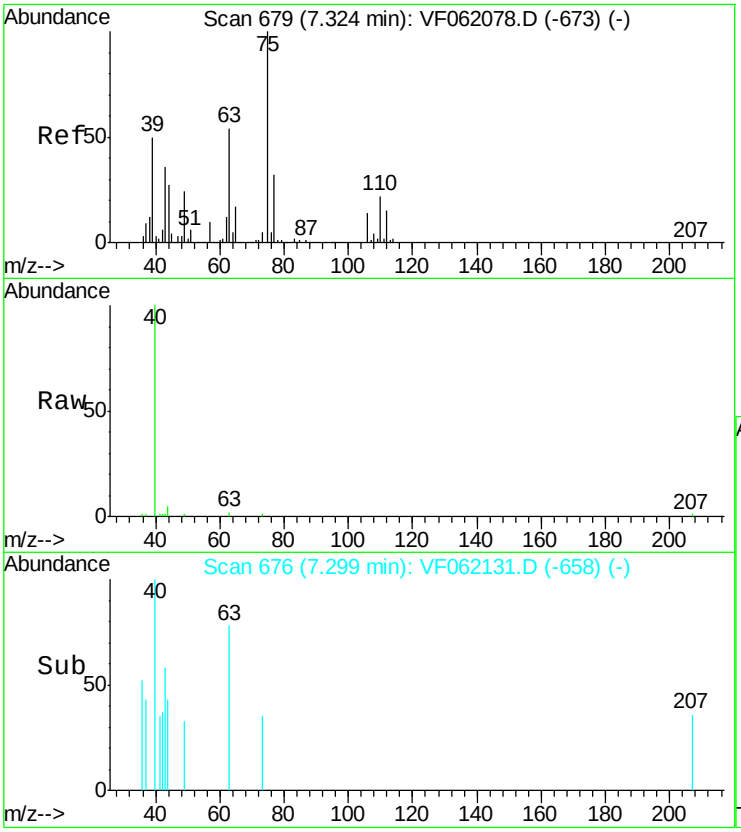


#51
4-Methyl-2-Pentanone
Concen: 2.783 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 43 Resp: 3683

Ion	Ratio	Lower	Upper
43	100		
58	35.8	33.8	50.8



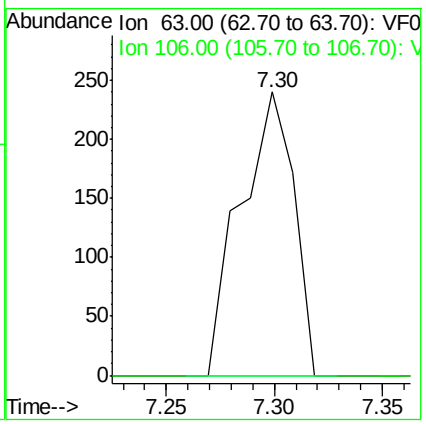


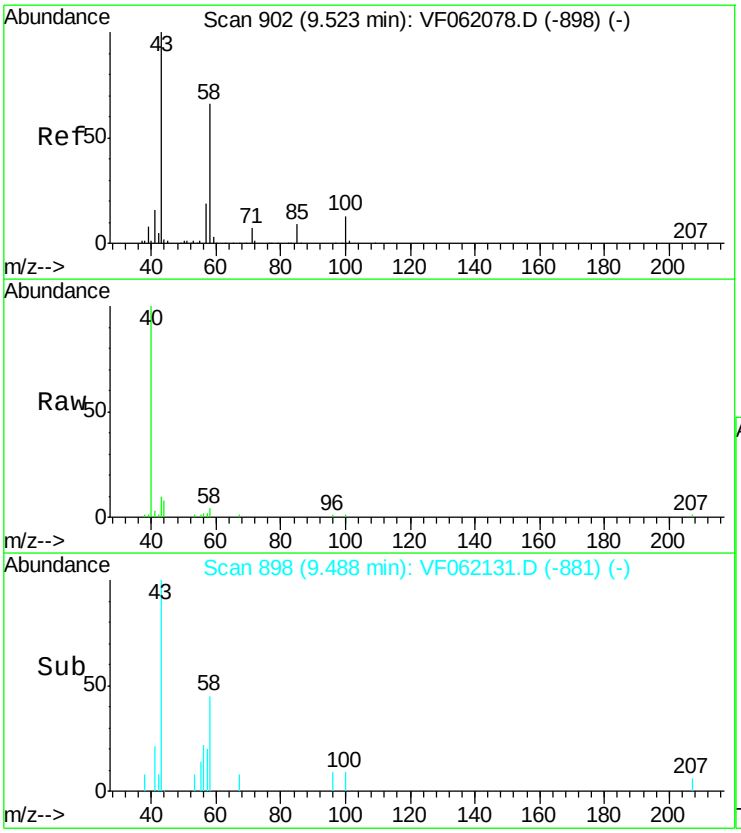
#58
2-Chloroethyl Vinyl ether
Concen: 1.392 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 415

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.5	32.3#

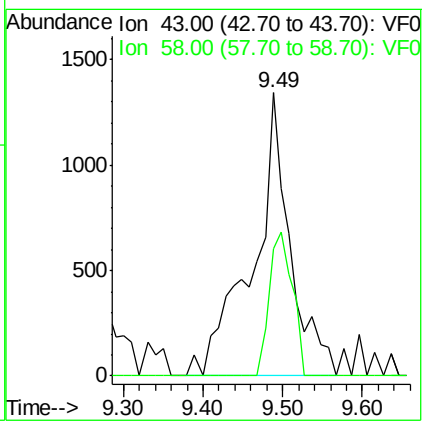


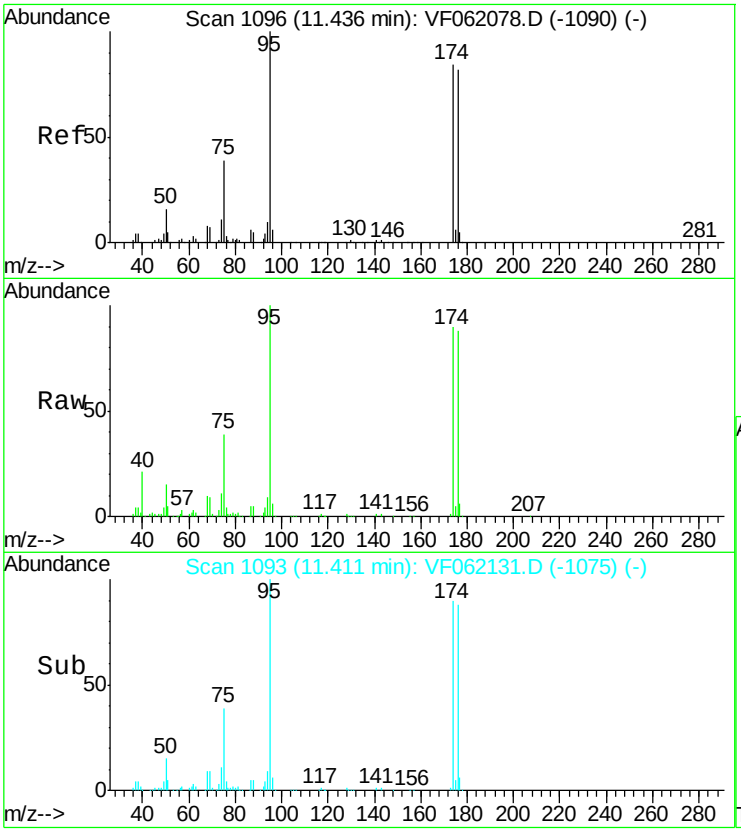


#59
2-Hexanone
Concen: 4.542 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 43 Resp: 4405

Ion	Ratio	Lower	Upper
43	100		
58	45.0	28.8	86.4



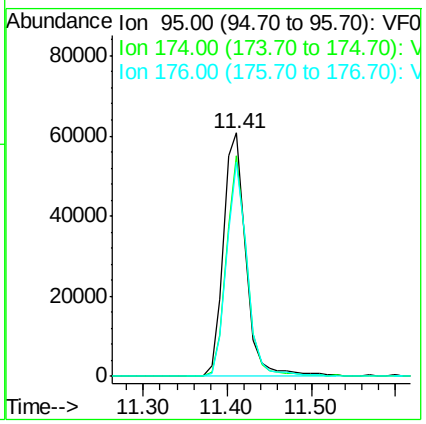


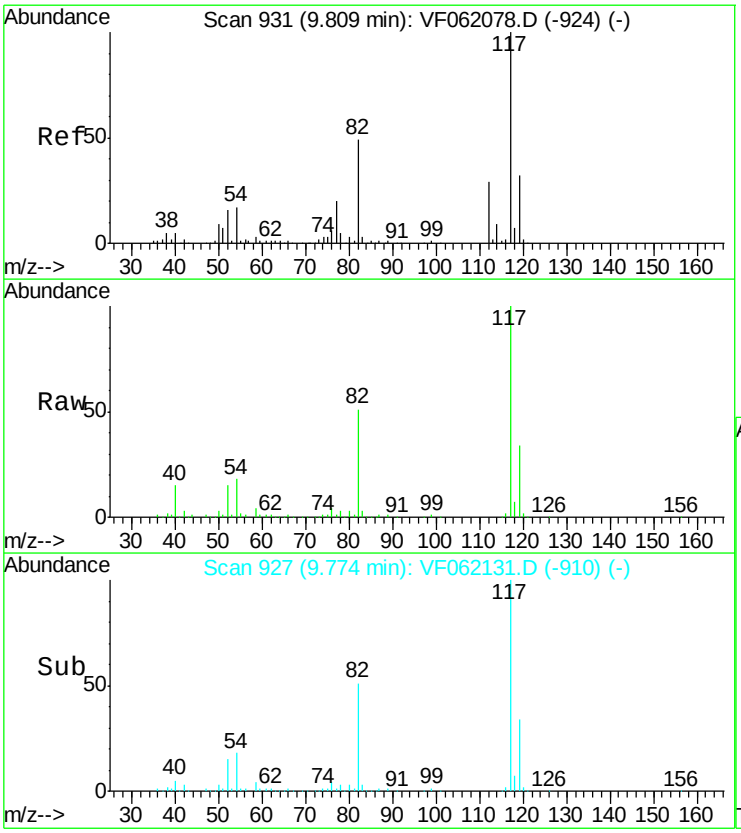
#62
4-Bromofluorobenzene
Concen: 36.867 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 112722

Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	168.2
176	88.1	0.0	164.2

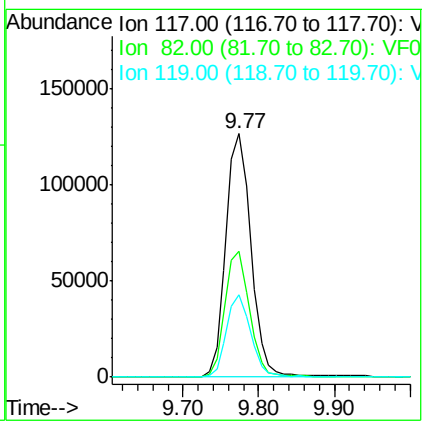


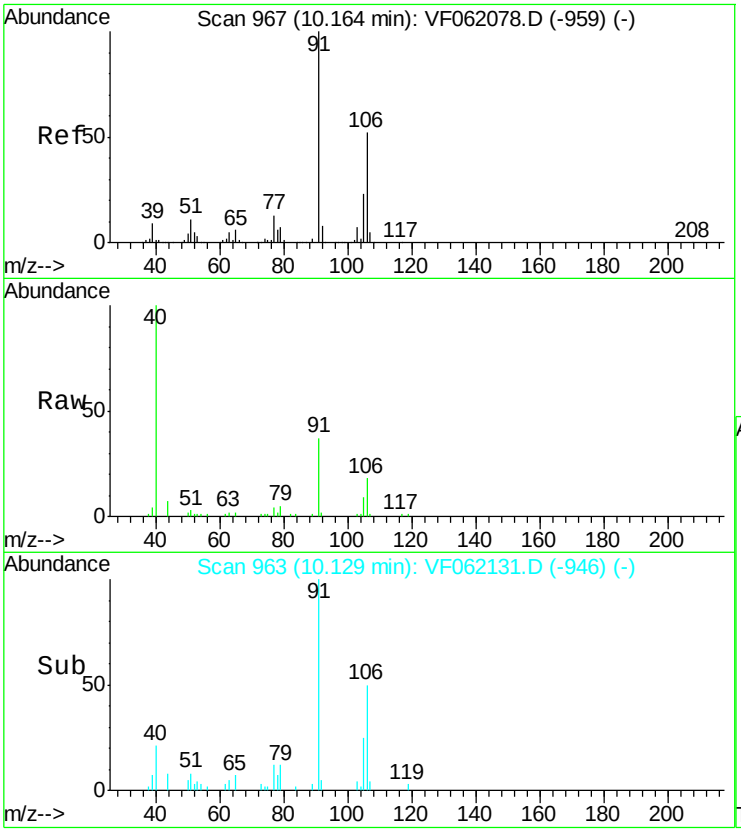


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:117 Resp: 293415

Ion	Ratio	Lower	Upper
117	100		
82	51.5	39.2	58.8
119	33.8	25.4	38.2



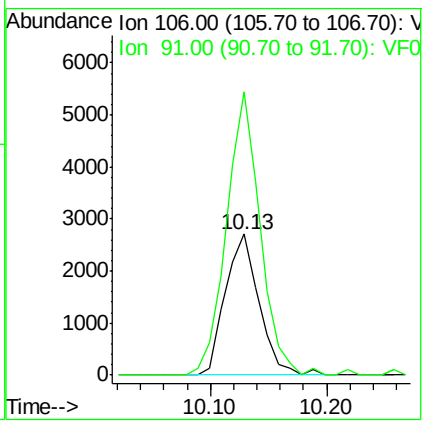


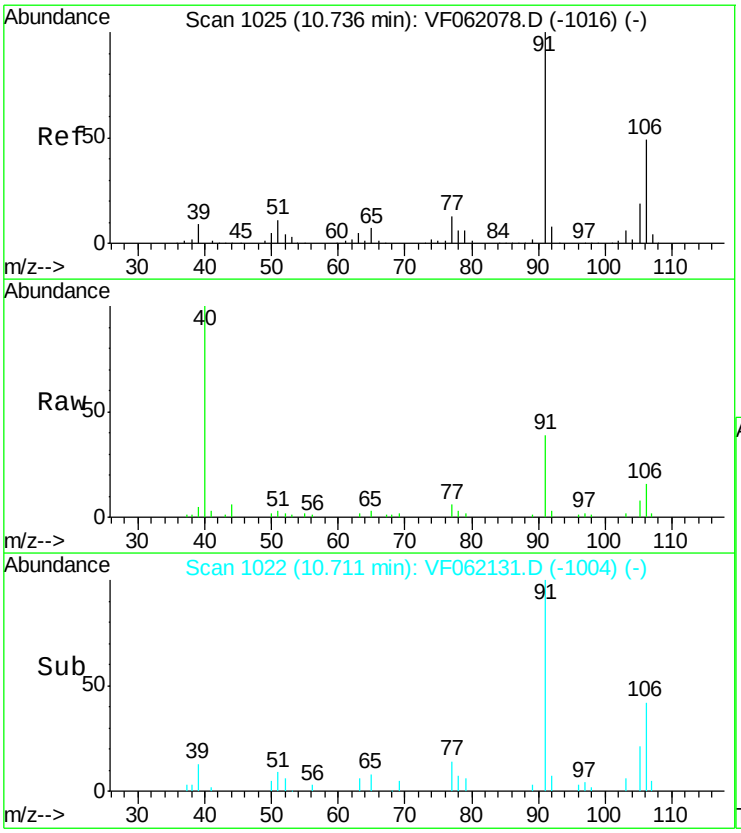
#68
m/p-Xylenes
Concen: 1.523 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 5436

Ion	Ratio	Lower	Upper
106	100		
91	201.0	154.4	231.6

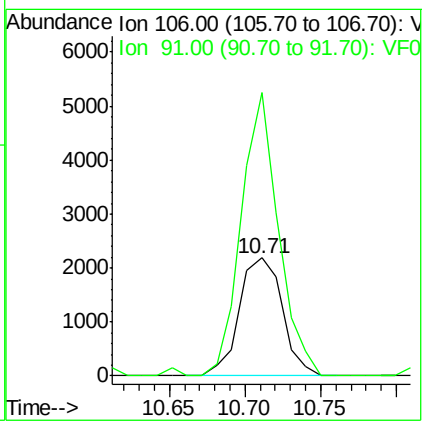


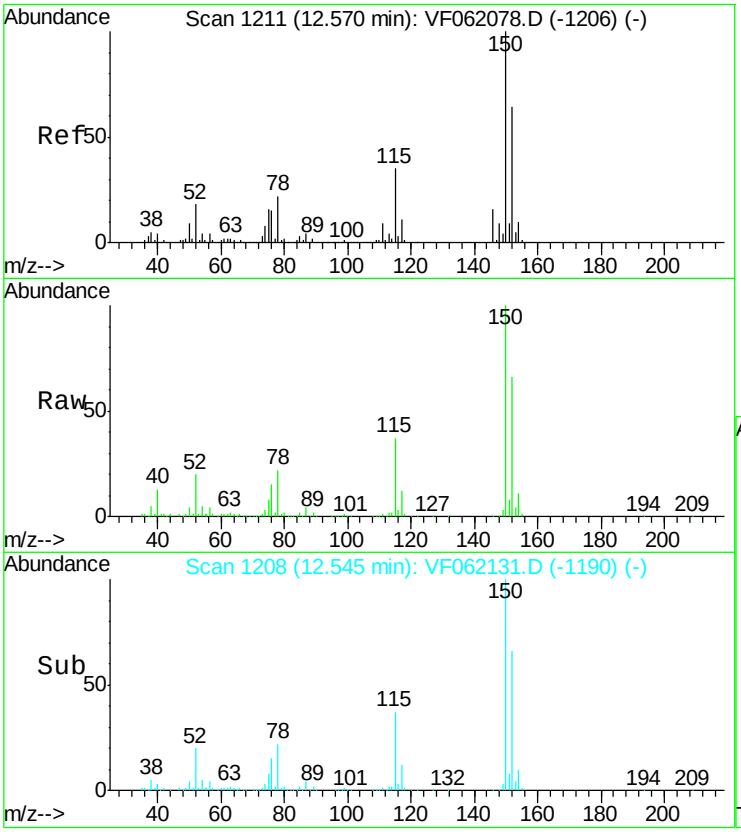


#69
o-Xylene
Concen: 1.156 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:106 Resp: 4319

Ion	Ratio	Lower	Upper
106	100		
91	240.2	102.6	307.8



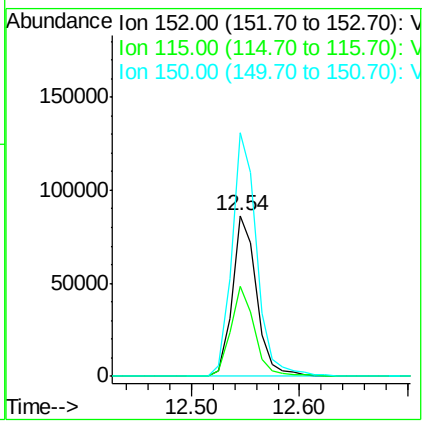


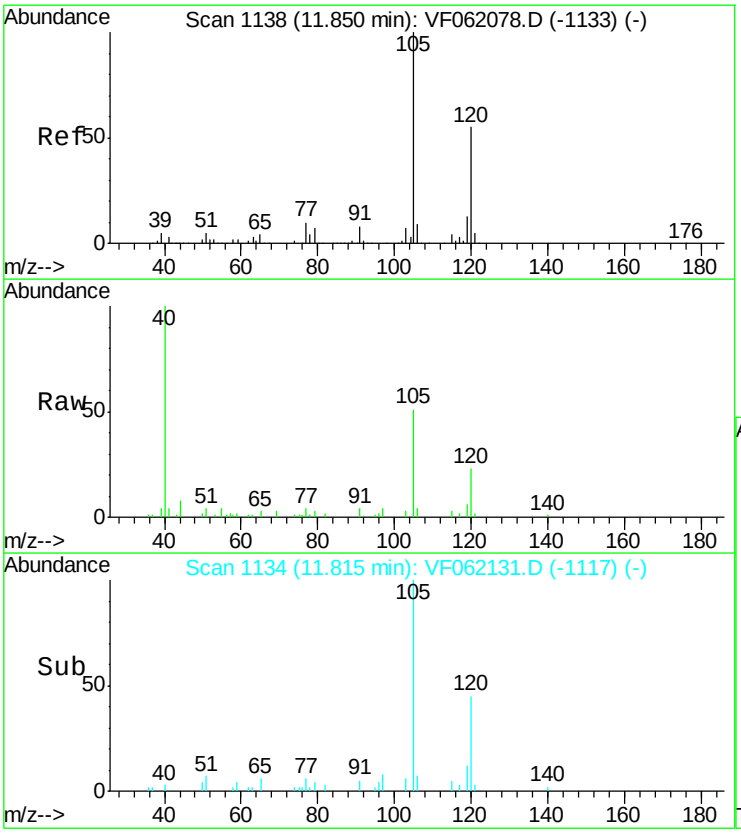
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 135660

Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.7	83.1
150	151.5	0.0	313.2

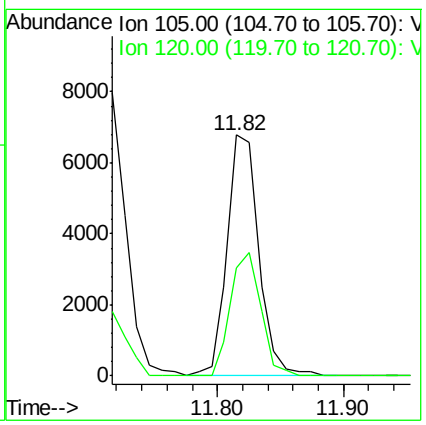


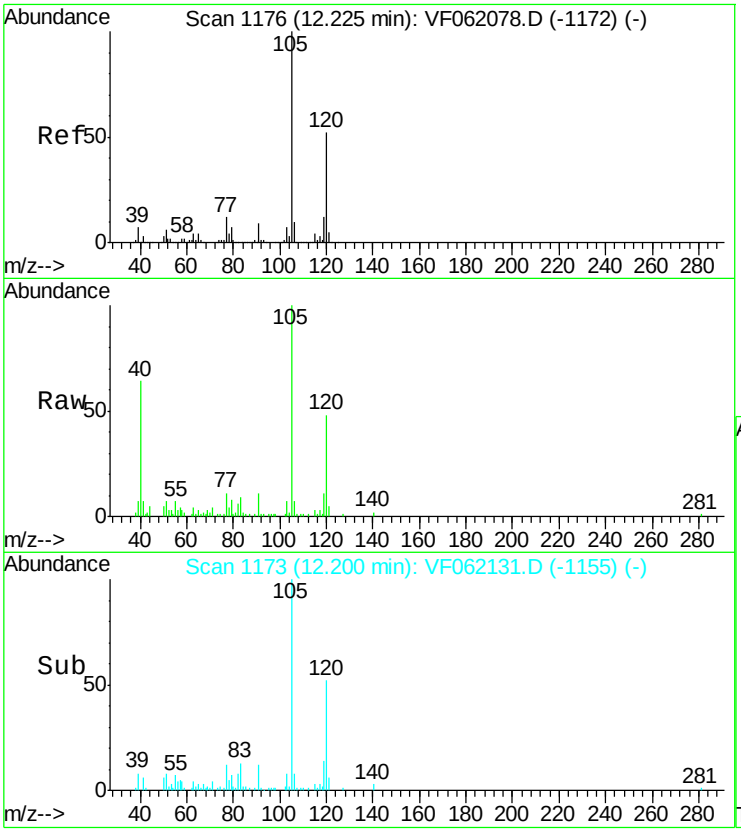


#80
1,3,5-Trimethylbenzene
Concen: 1.499 ug/l
RT: 11.82 min Scan# 1134
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:105 Resp: 11769

Ion	Ratio	Lower	Upper
105	100		
120	44.8	27.8	83.3



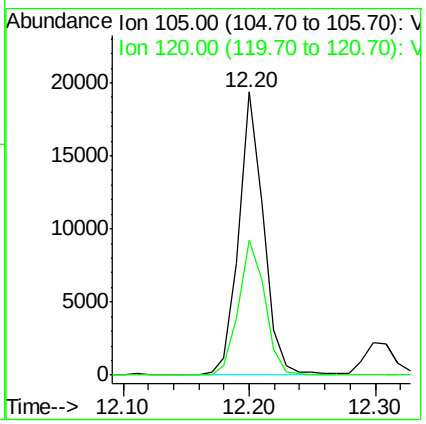


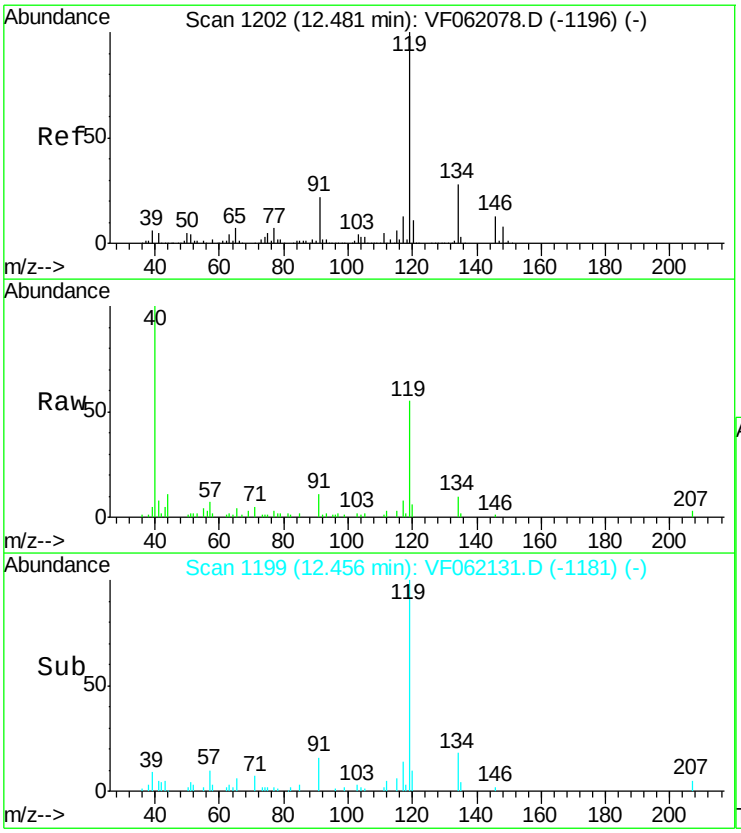
#84
1,2,4-Trimethylbenzene
Concen: 3.428 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 26385

Ion	Ratio	Lower	Upper
105	100		
120	47.5	26.1	78.2

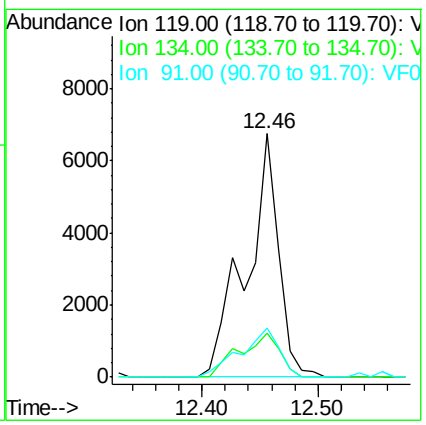


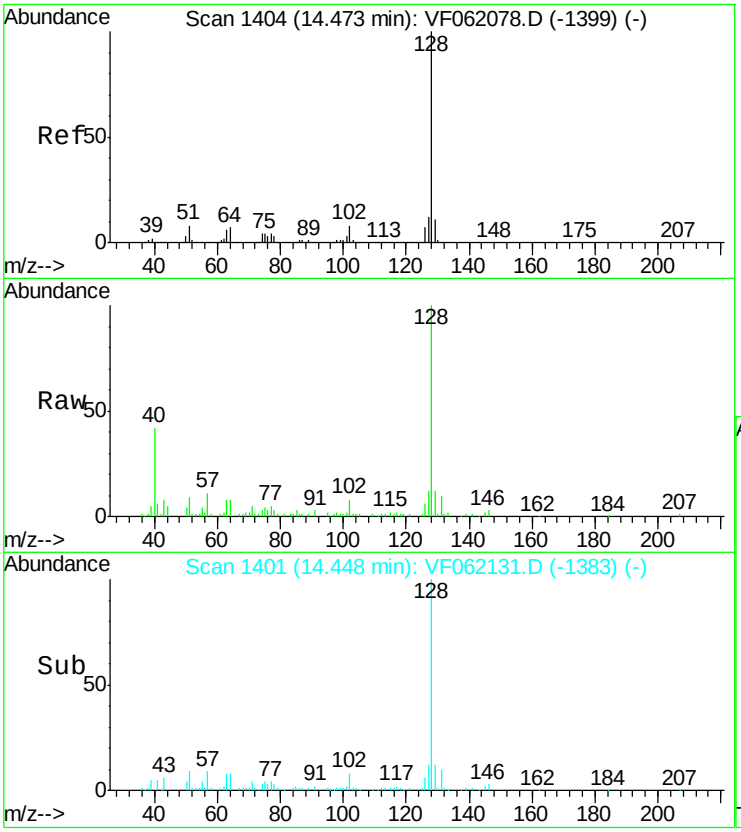


#86
p-Isopropyltoluene
Concen: 1.409 ug/l
RT: 12.46 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:119 Resp: 12979

Ion	Ratio	Lower	Upper
119	100		
134	18.0	14.0	42.0
91	20.0	10.8	32.4





#95
Naphthalene
Concen: 9.285 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 46140

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.5	14.3
129	12.2	8.7	13.1