Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: May 24 02:15:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	827162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1338449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	793415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	328856	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	234777	40.17	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.34%			
35) Dibromofluoromethane	4.31	113	451228	44.06	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.12%			
50) Toluene-d8	7.71	98	990084	40.49	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.98%			
62) 4-Bromofluorobenzene	11.50	95	330524	35.64	ug/l	0.00
Spiked Amount 50.000			Recovery = 71.28%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.68	59	473	1.226	ug/l #	1
15) Acrylonitrile	3.08	53	1896	1.742	ug/l #	63
16) Acetone	2.35	43	29281	19.309	ug/l #	81
18) Methyl Acetate	2.50	43	21934	9.205	ug/l #	64
20) Methylene Chloride	2.34	84	8111	1.067	ug/l #	77
25) 2-Butanone	4.56	43	5958	1.839	ug/l #	87
29) Tetrahydrofuran	4.29	42	1426	1.088	ug/l #	63
49) 1,4-Dioxane	6.87	88	112	2.306	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	15504	3.126	ug/l #	60
56) Ethyl methacrylate	8.78	69	33058	4.783	ug/l #	75
59) 2-Hexanone	9.64	43	4087	Below Cal	#	59
68) m/p-Xylenes	10.27	106	11874	1.167	ug/l	80
69) o-Xylene	10.82	106	12335	1.177	ug/l	79
74) N-amyl acetate	11.36	43	41116	1.636	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.89	105	92382	4.888	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	244329	13.357	ug/l	94
86) p-Isopropyltoluene	12.50	119	29306	1.351	ug/l	96
89) n-Butylbenzene	12.90	91	36807	1.721	ug/l #	74
95) Naphthalene	14.50	128	52867	4.303	ug/l	96

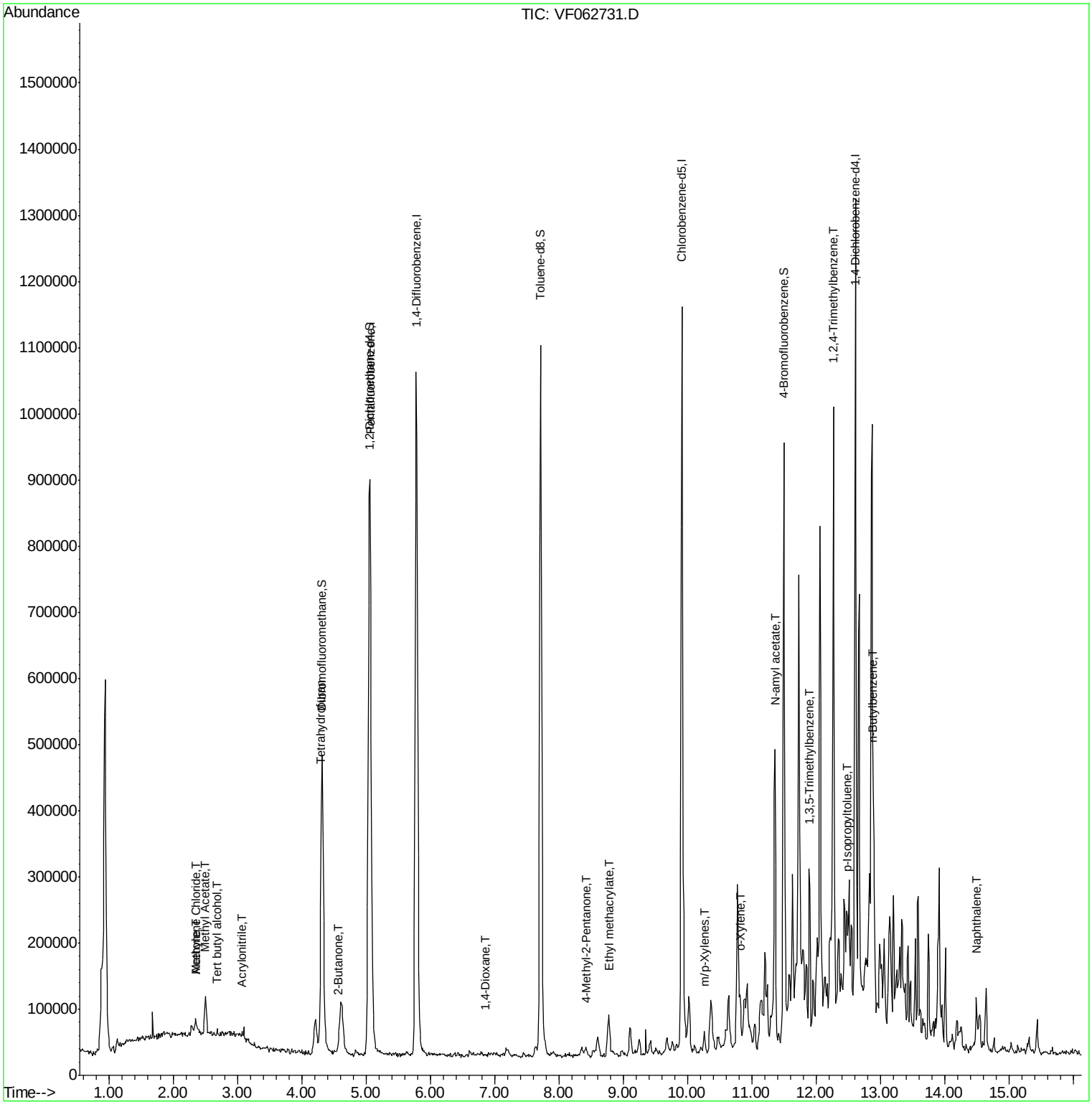
(#) = qualifier out of range (m) = manual integration (+) = signals summed

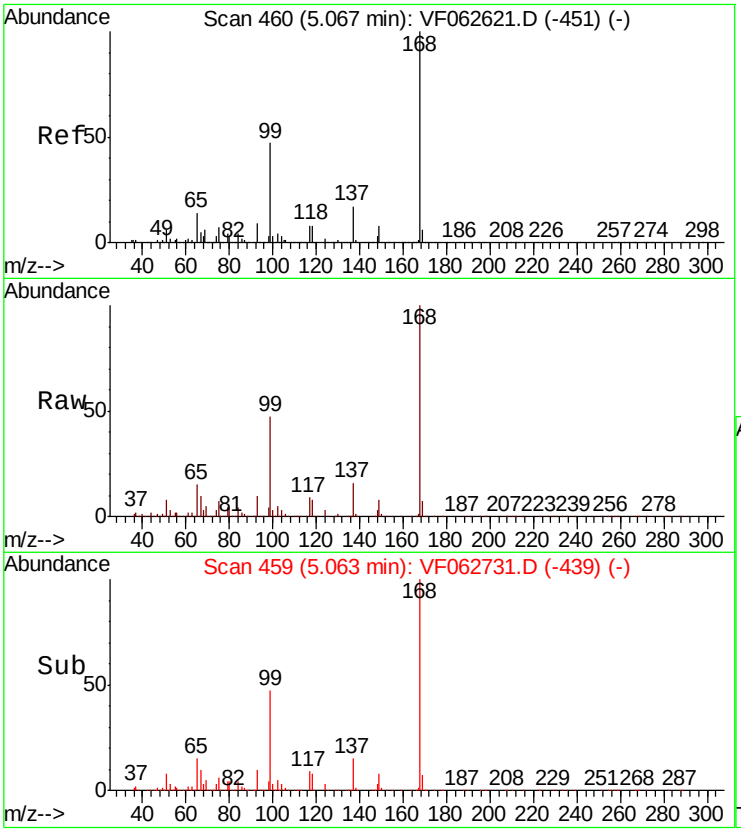
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 24 02:15:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration



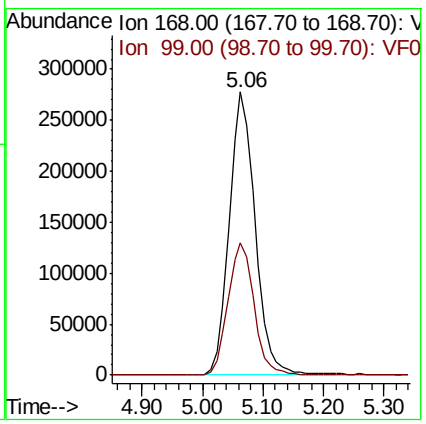


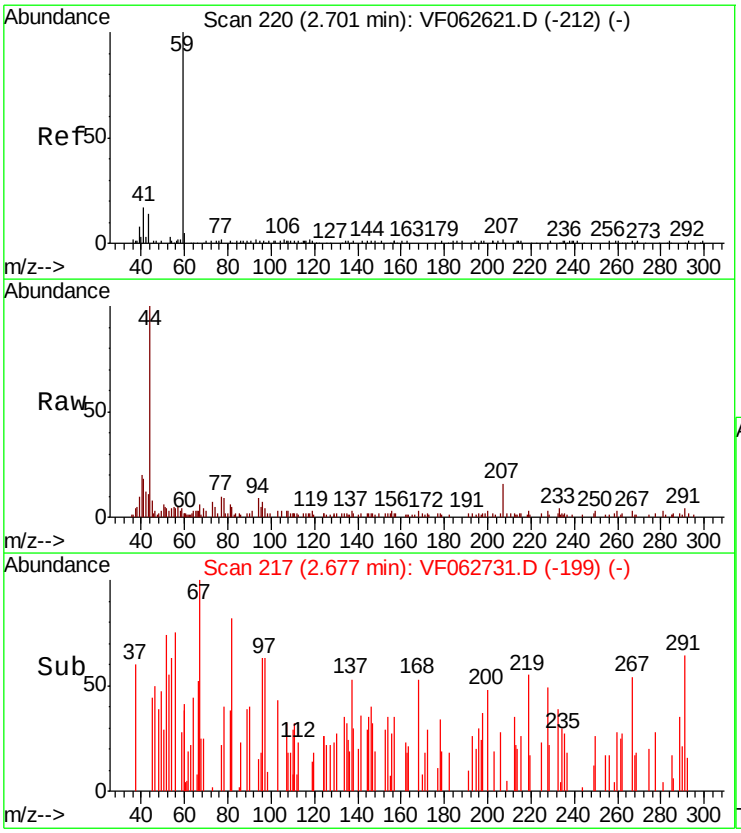
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 459
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 827162

Ion	Ratio	Lower	Upper
168	100		
99	46.8	37.8	56.8

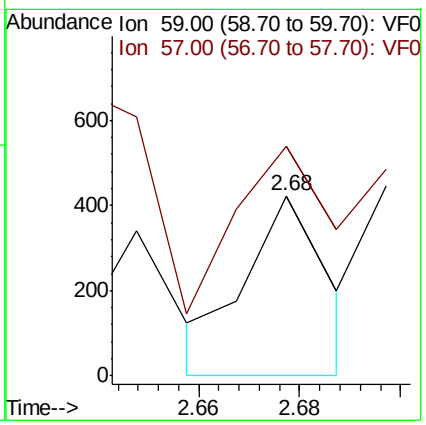


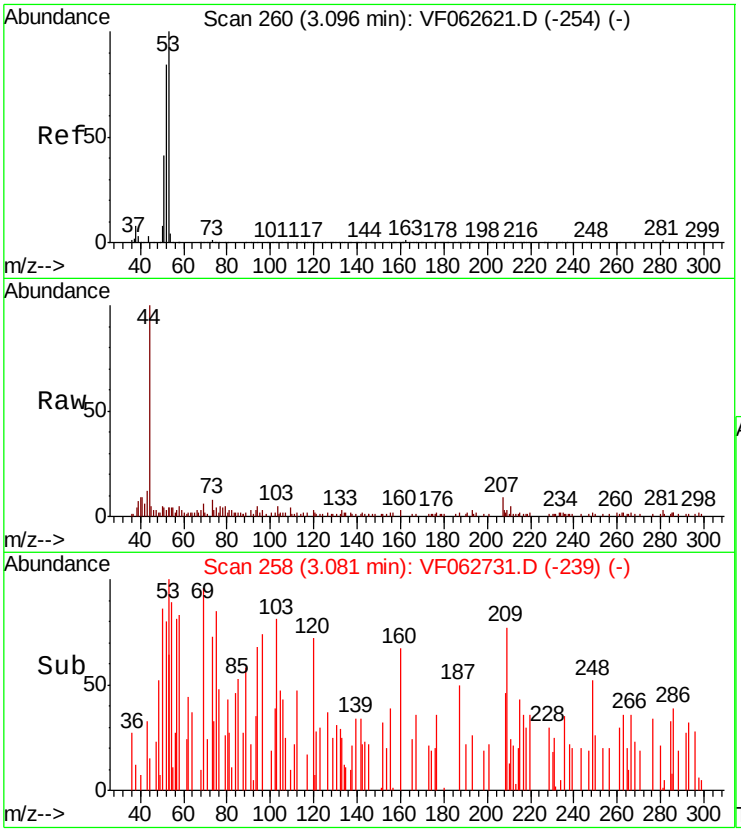


#11
Tert butyl alcohol
Concen: 1.226 ug/l
RT: 2.68 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 59 Resp: 473

Ion	Ratio	Lower	Upper
59	100		
57	127.4	9.3	13.9#



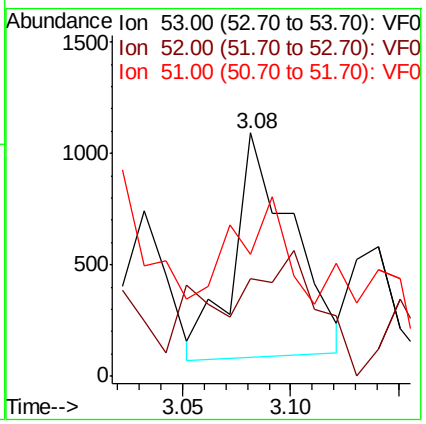


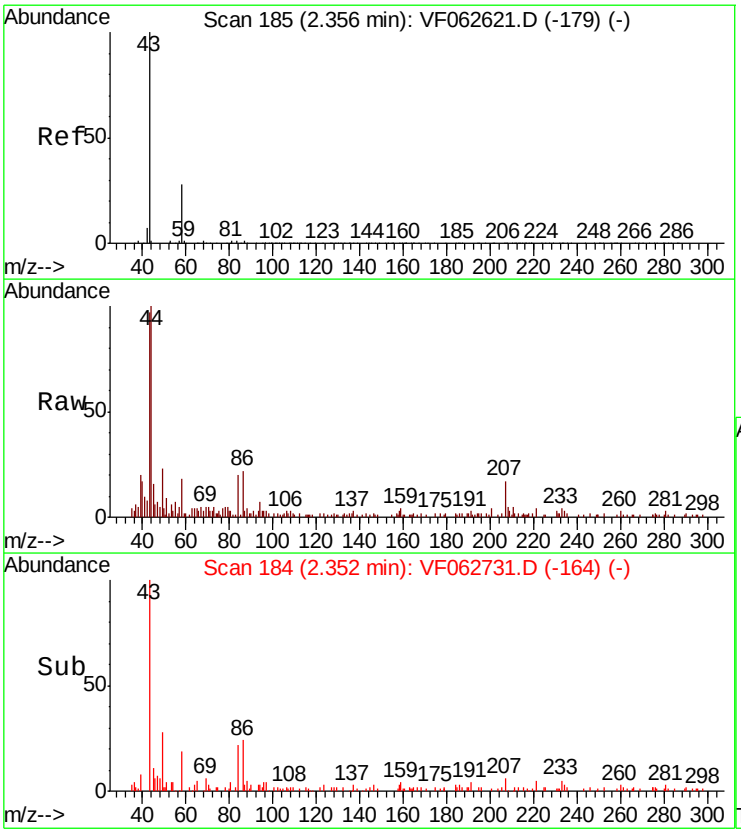
#15
Acrylonitrile
Concen: 1.742 ug/l
RT: 3.08 min Scan# 258
Delta R.T. -0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 1896

Ion	Ratio	Lower	Upper
53	100		
52	40.2	67.3	100.9#
51	50.3	33.0	49.6#

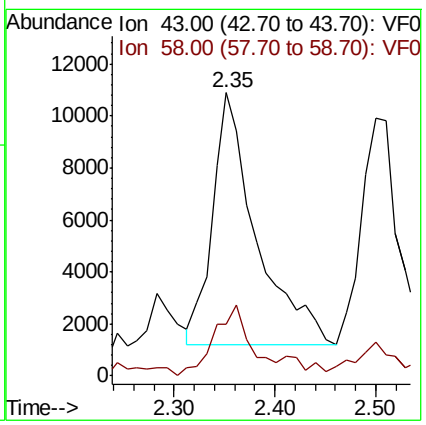


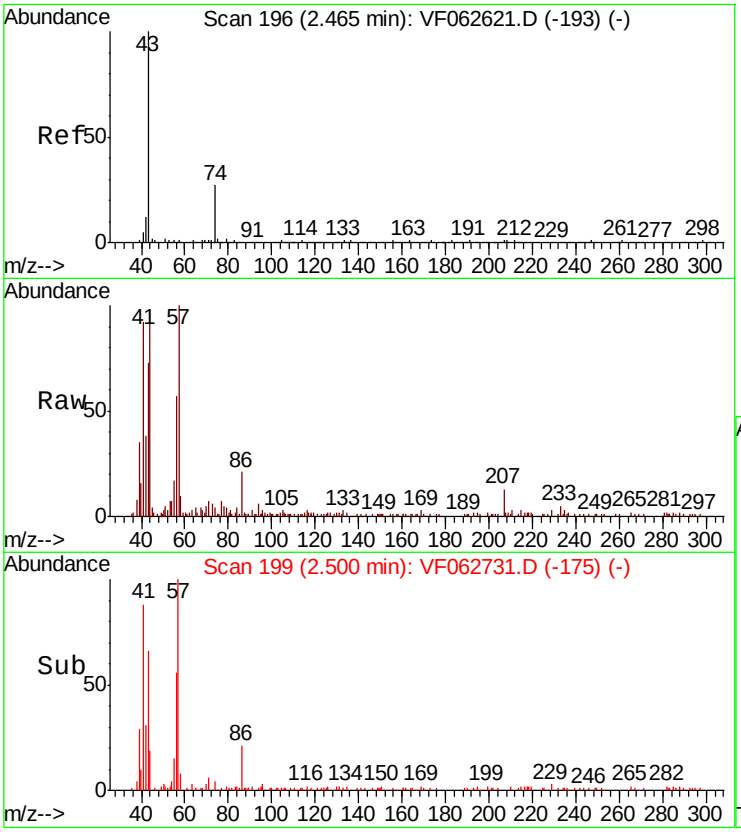


#16
Acetone
Concen: 19.309 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 43 Resp: 29281

Ion	Ratio	Lower	Upper
43	100		
58	18.3	22.6	33.8#



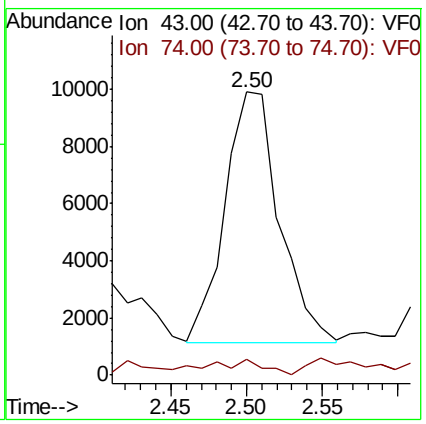


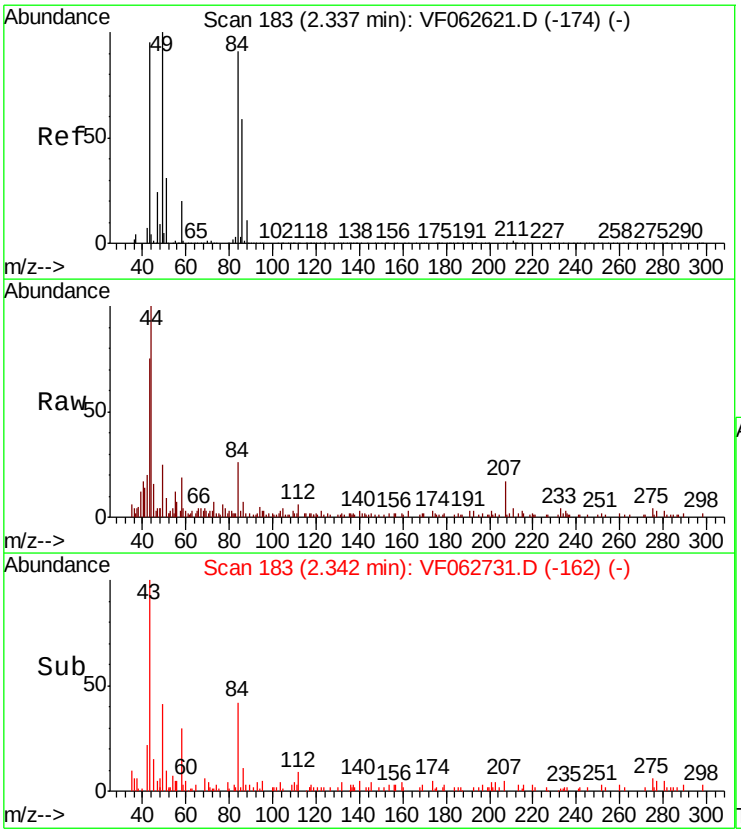
#18
Methyl Acetate
Concen: 9.205 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 21934

Ion	Ratio	Lower	Upper
43	100		
74	5.8	18.9	28.3#

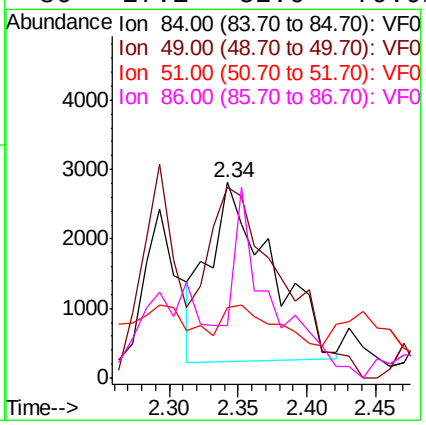


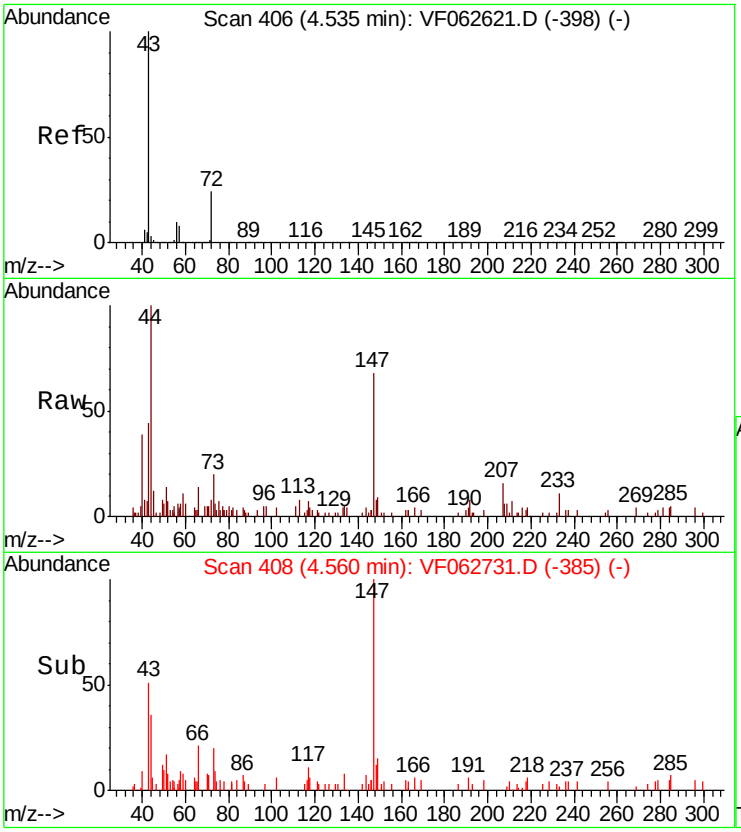


#20
Methylene Chloride
Concen: 1.067 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 84 Resp: 8111

Ion	Ratio	Lower	Upper
84	100		
49	97.3	89.8	134.8
51	36.3	28.4	42.6
86	27.1	52.6	79.0#



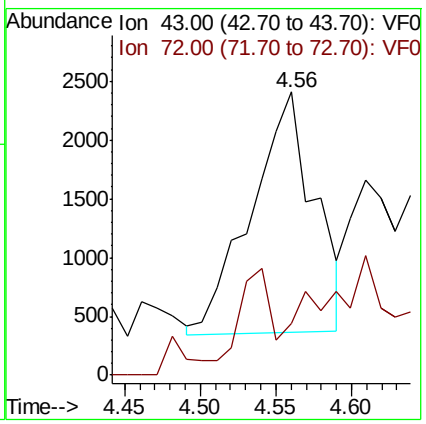


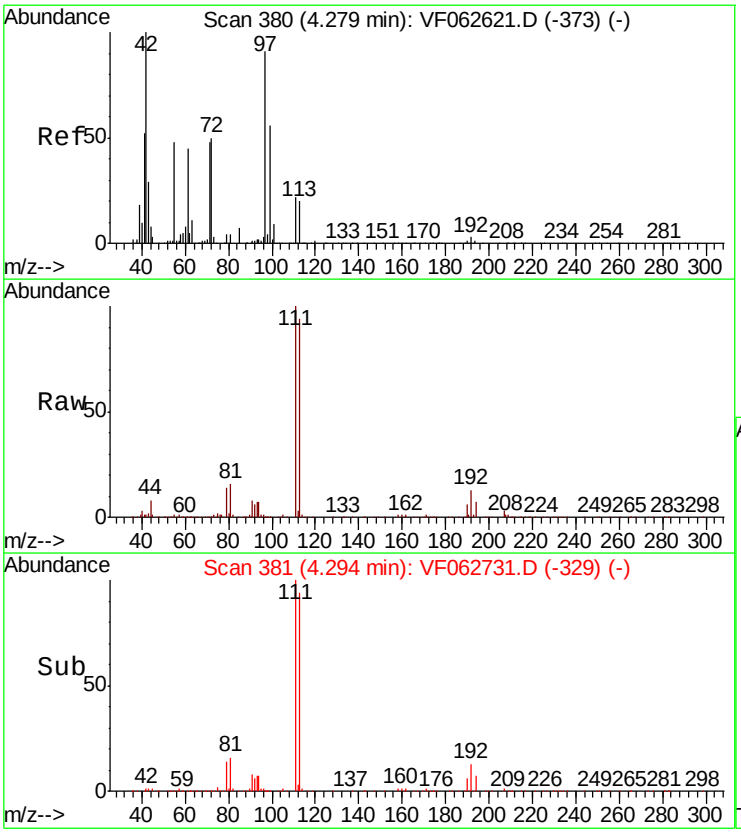
#25
2-Butanone
Concen: 1.839 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.03 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5958

Ion	Ratio	Lower	Upper
43	100		
72	18.4	20.1	30.1#

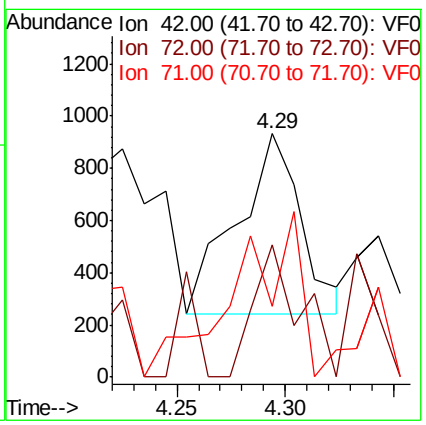


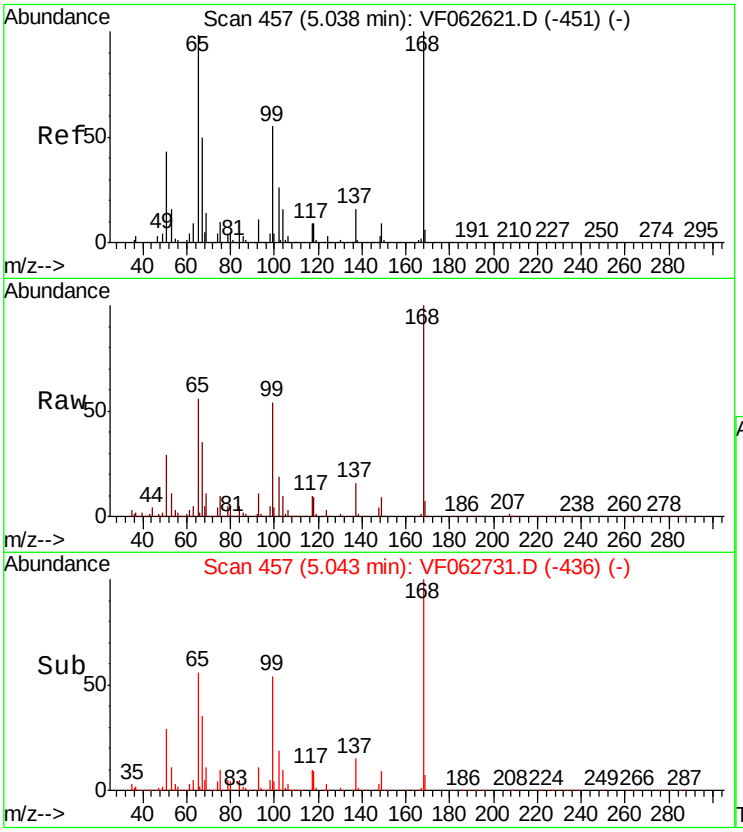


#29
Tetrahydrofuran
Concen: 1.088 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 42 Resp: 1426

Ion	Ratio	Lower	Upper
42	100		
72	53.0	38.2	57.2
71	88.9	35.8	53.6#



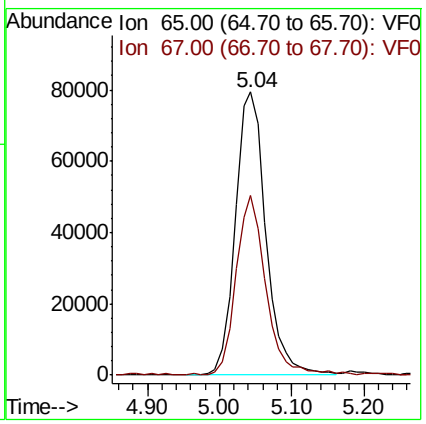


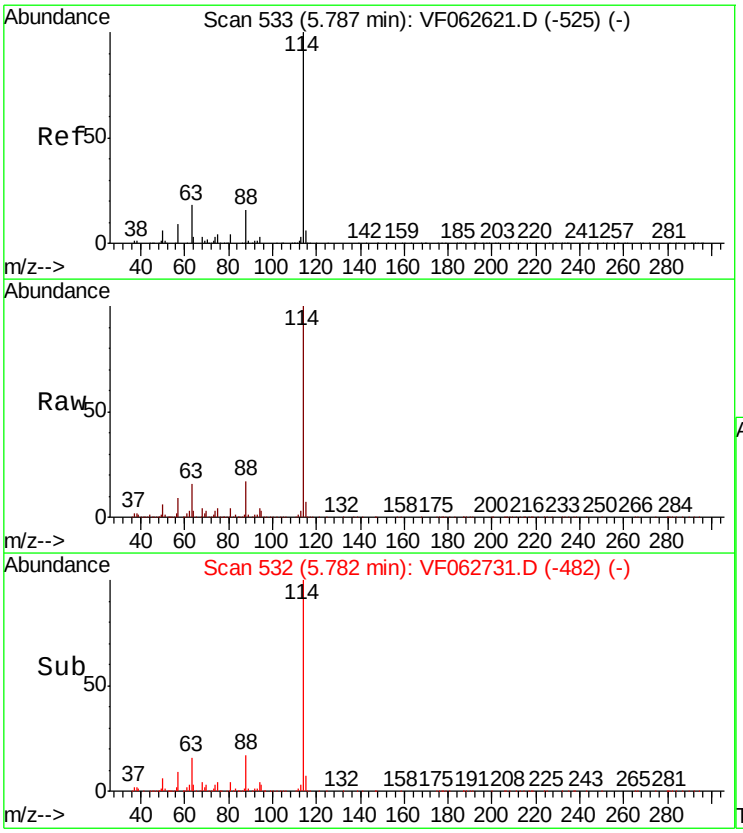
#33
1,2-Dichloroethane-d4
Concen: 40.166 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 234777

Ion	Ratio	Lower	Upper
65	100		
67	63.6	0.0	117.6

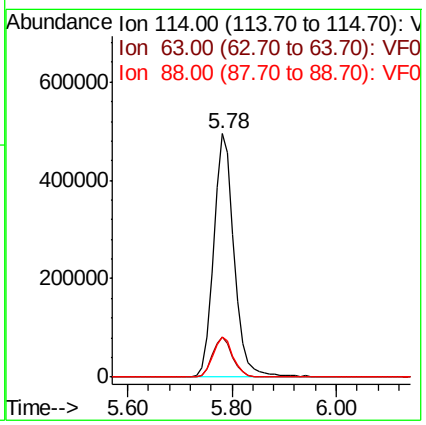


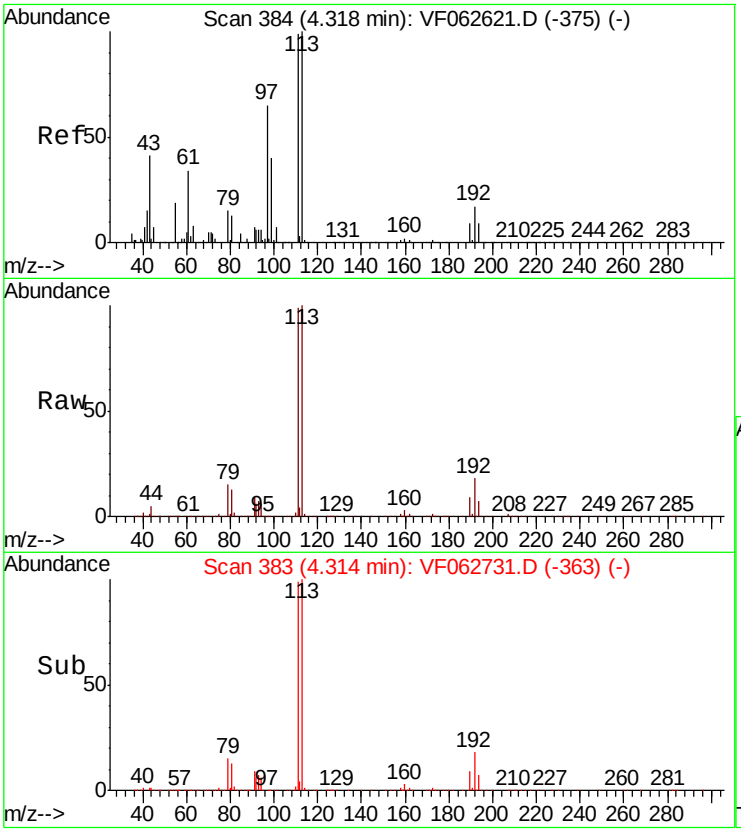


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion:114 Resp: 1338449

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	35.4
88	16.6	0.0	32.4



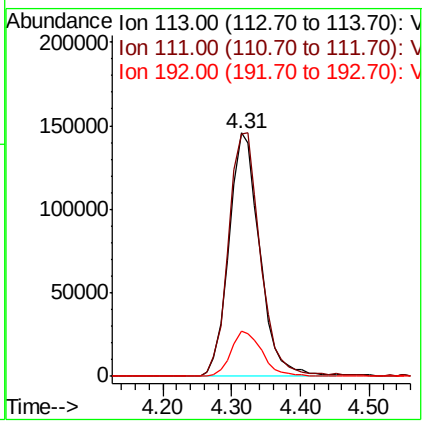


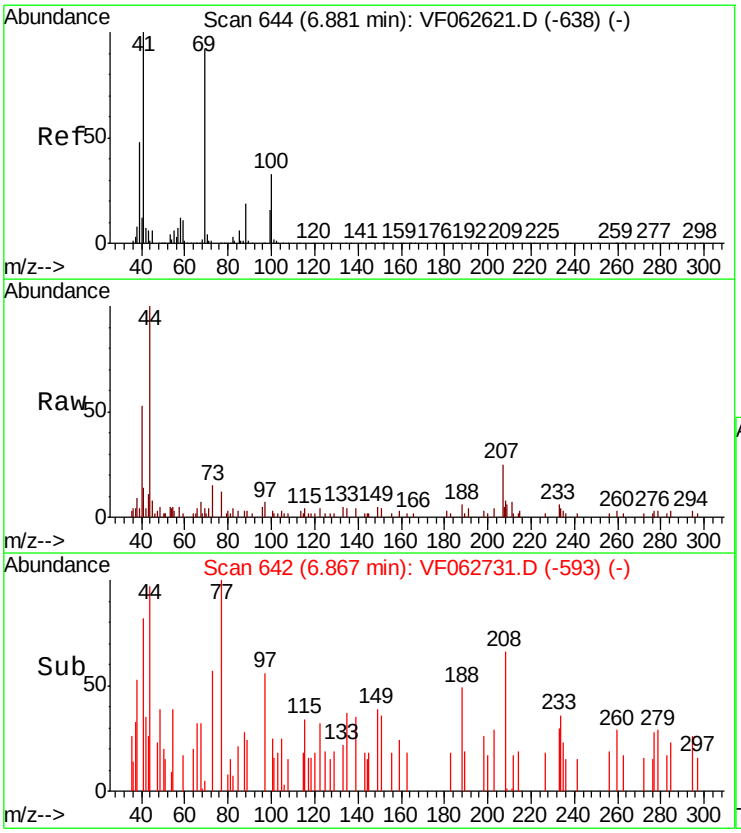
#35
Dibromofluoromethane
Concen: 44.057 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 451228

Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.4	119.2
192	18.7	13.4	20.2

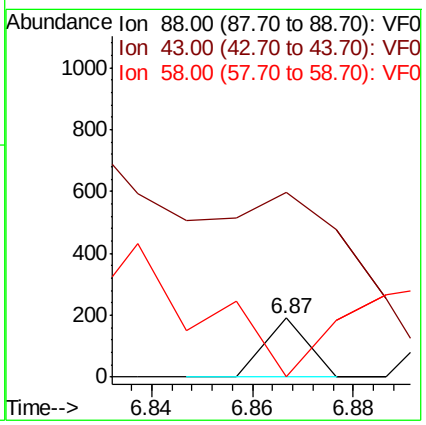


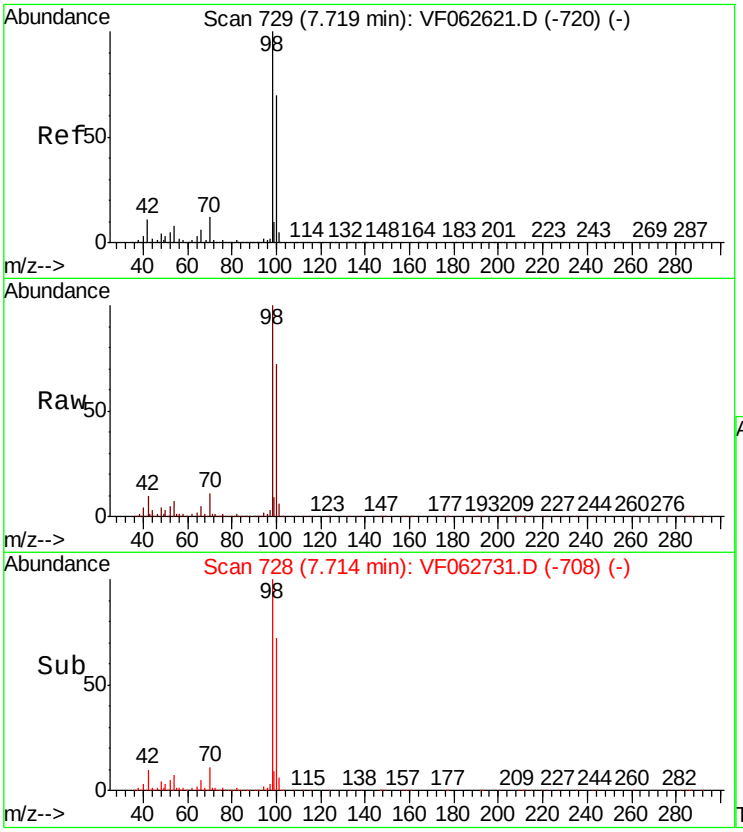


#49
1,4-Dioxane
Concen: 2.306 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 88 Resp: 112

Ion	Ratio	Lower	Upper
88	100		
43	313.7	30.0	45.0#
58	0.0	51.1	76.7#



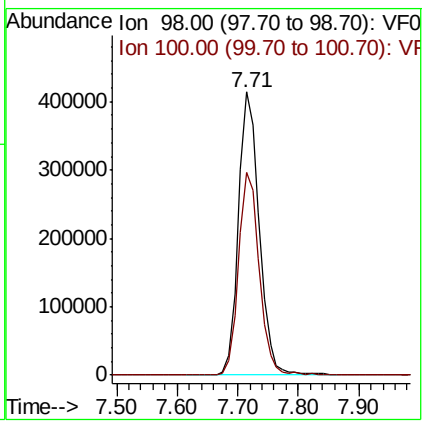


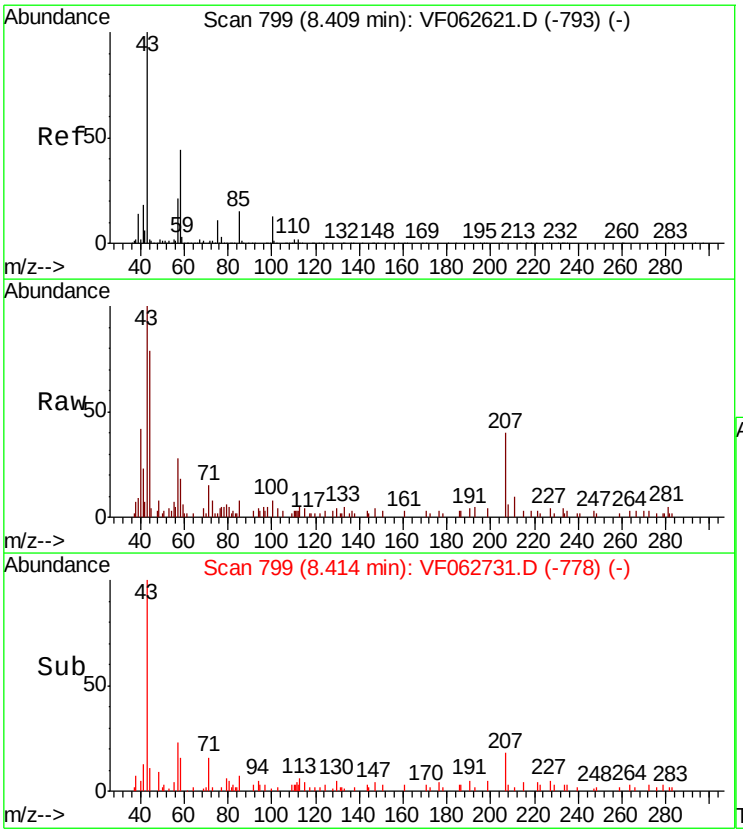
#50
Toluene-d8
Concen: 40.488 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 990084

Ion	Ratio	Lower	Upper
98	100		
100	71.6	56.2	84.2

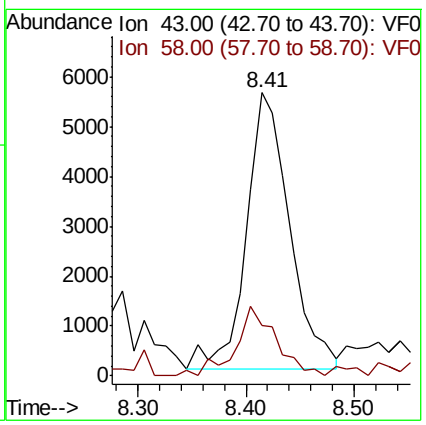


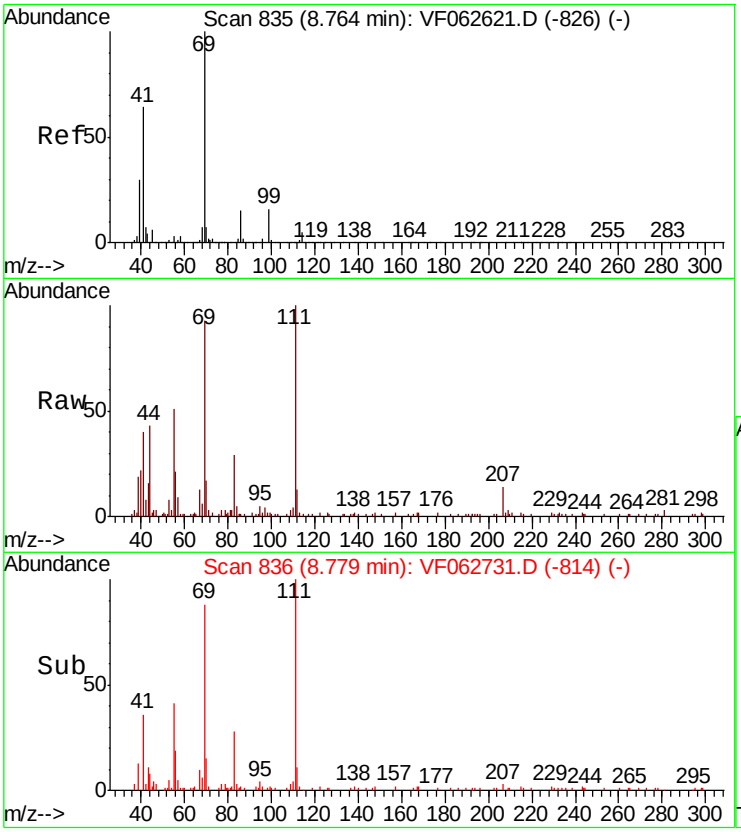


#51
4-Methyl-2-Pentanone
Concen: 3.126 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 43 Resp: 15504

Ion	Ratio	Lower	Upper
43	100		
58	17.8	34.9	52.3#



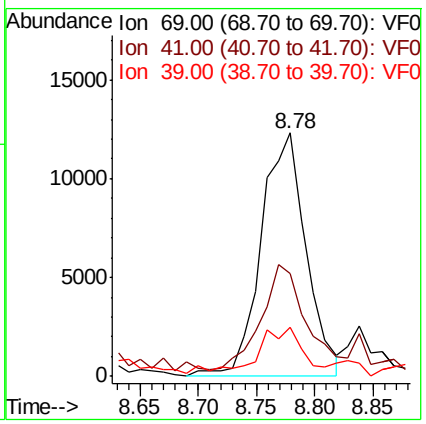


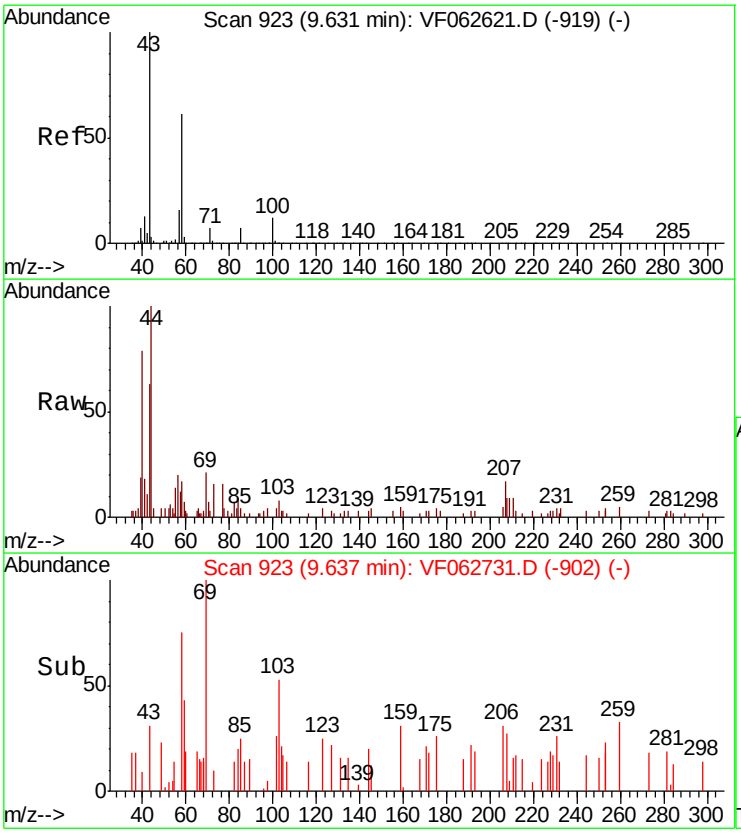
#56
Ethyl methacrylate
Concen: 4.783 ug/l
RT: 8.78 min Scan# 836
Delta R.T. 0.02 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 69 Resp: 33058

Ion	Ratio	Lower	Upper
69	100		
41	42.5	51.4	77.2#
39	19.9	23.6	35.4#

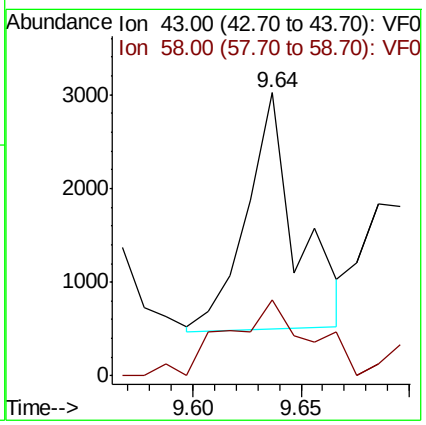


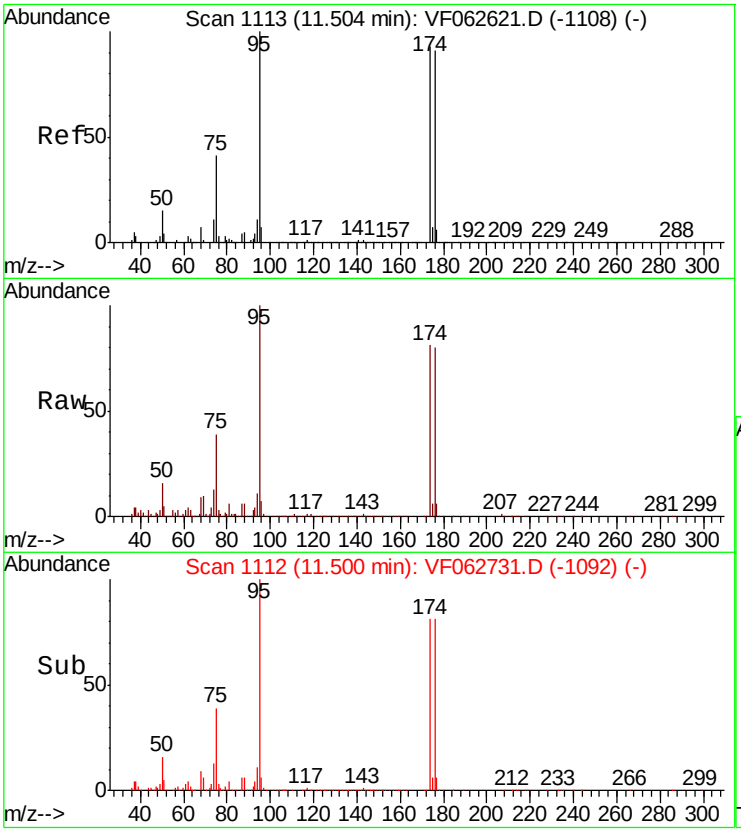


#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 43 Resp: 4087

Ion	Ratio	Lower	Upper
43	100		
58	26.7	28.1	84.4#



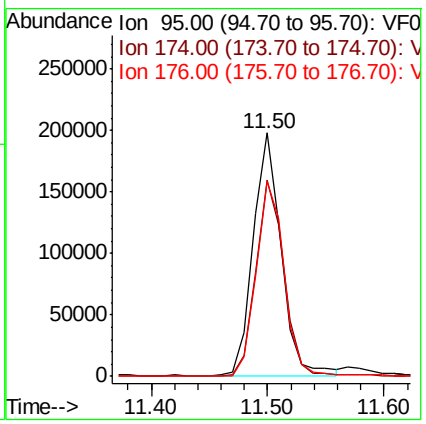


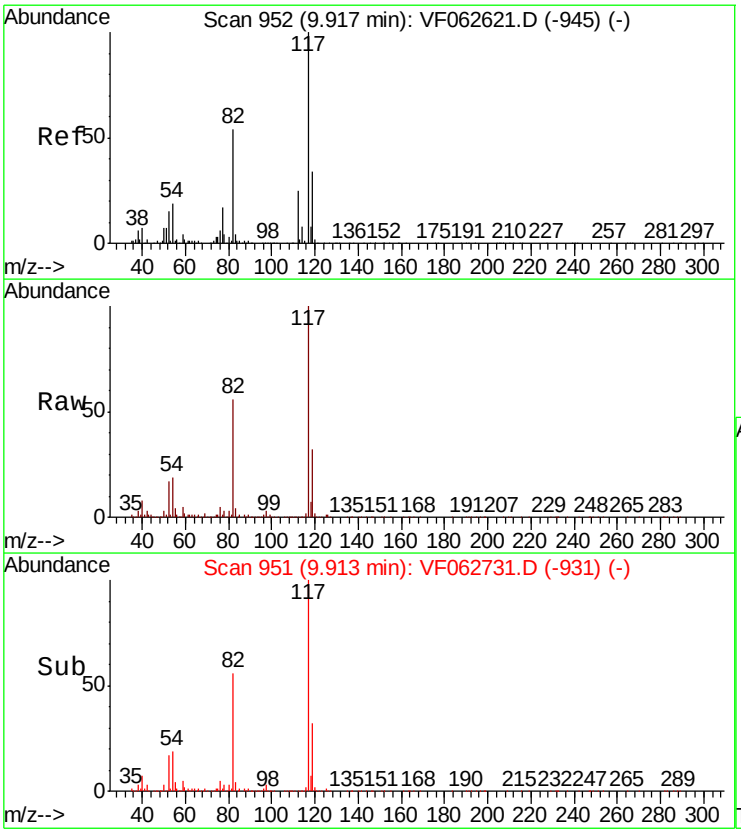
#62
4-Bromofluorobenzene
Concen: 35.638 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 330524

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	185.6
176	80.1	0.0	182.4

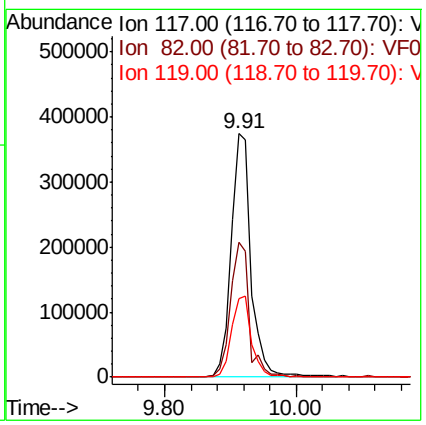


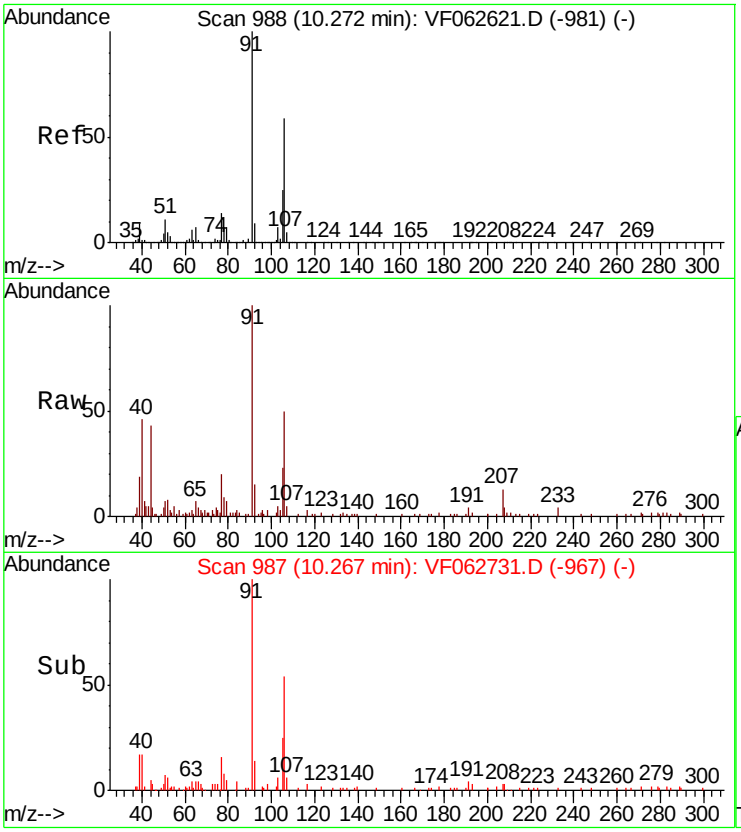


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion:117 Resp: 793415

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	32.5	27.4	41.0



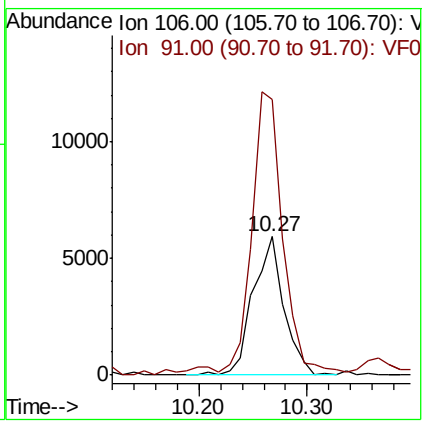


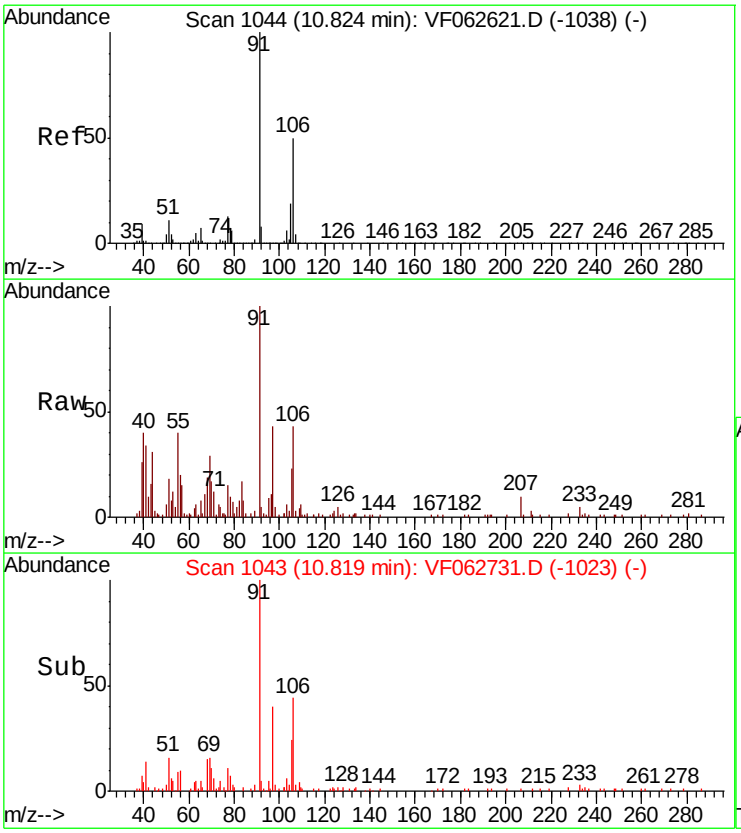
#68
m/p-Xylenes
Concen: 1.167 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 11874

Ion	Ratio	Lower	Upper
106	100		
91	198.7	136.9	205.3

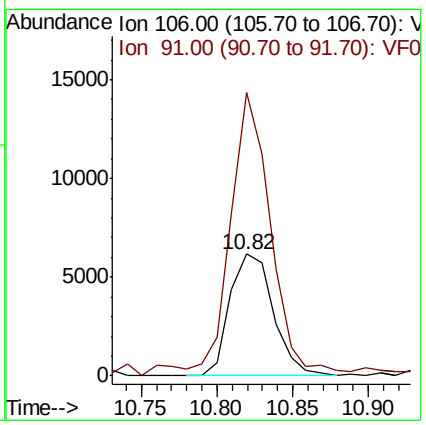


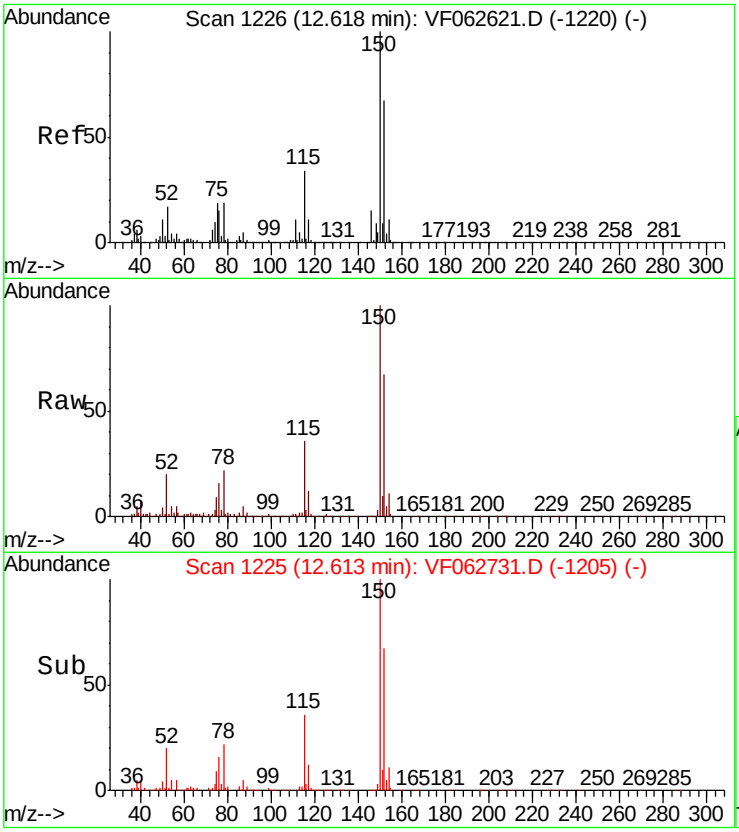


#69
o-Xylene
Concen: 1.177 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion:106 Resp: 12335

Ion	Ratio	Lower	Upper
106	100		
91	232.4	100.2	300.5



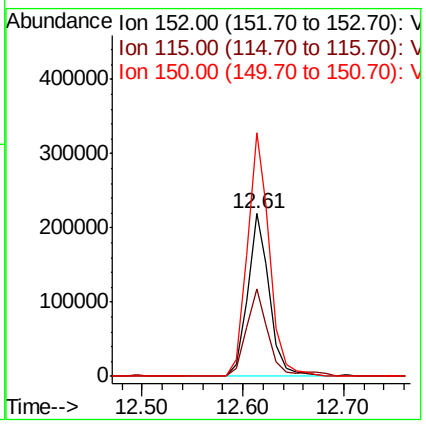


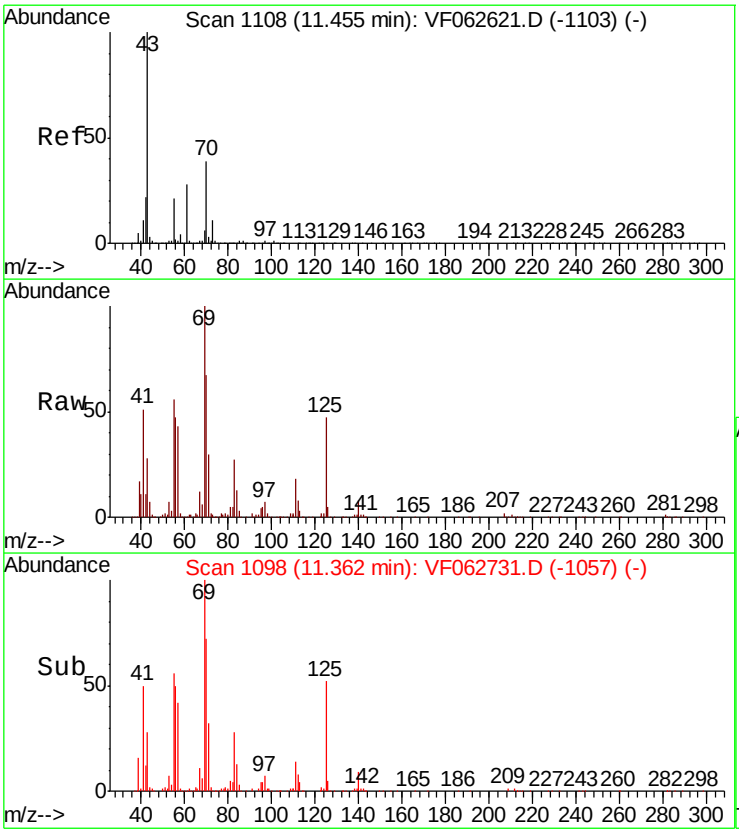
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 328856

Ion	Ratio	Lower	Upper
152	100		
115	53.4	25.2	75.6
150	149.6	0.0	306.2

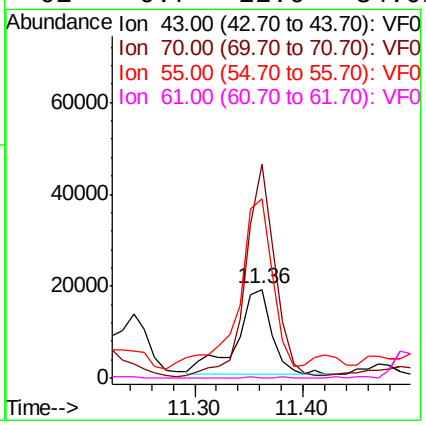


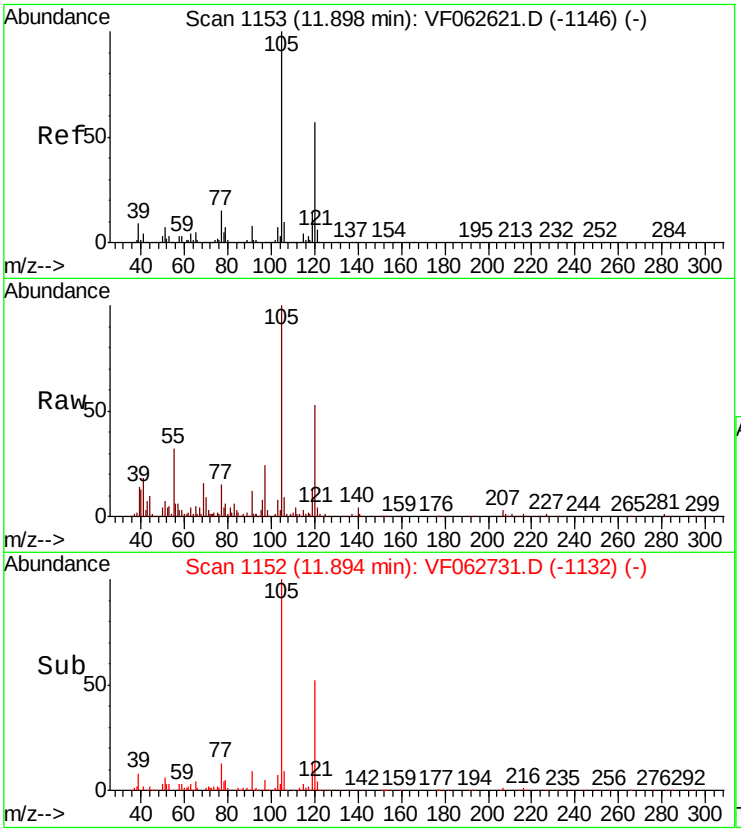


#74
N-amyl acetate
Concen: 1.636 ug/l
RT: 11.36 min Scan# 1098
Delta R.T. -0.09 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 43 Resp: 41116

Ion	Ratio	Lower	Upper
43	100		
70	241.4	30.9	46.3#
55	202.3	17.0	25.4#
61	0.7	22.6	34.0#



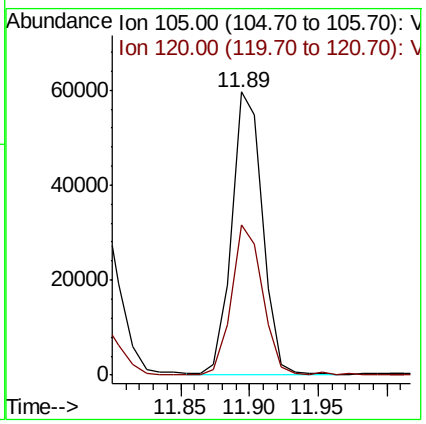


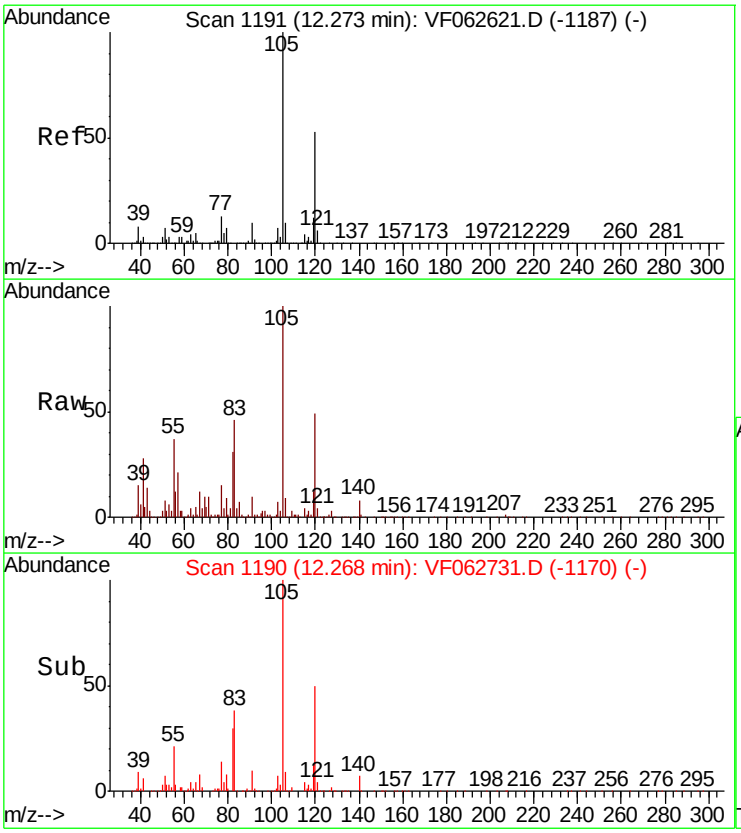
#80
1,3,5-Trimethylbenzene
Concen: 4.888 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 92382

Ion	Ratio	Lower	Upper
105	100		
120	53.2	28.7	86.3

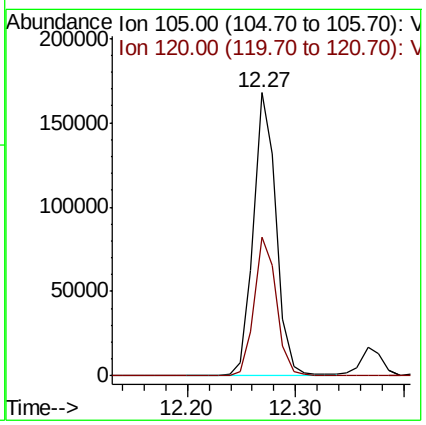


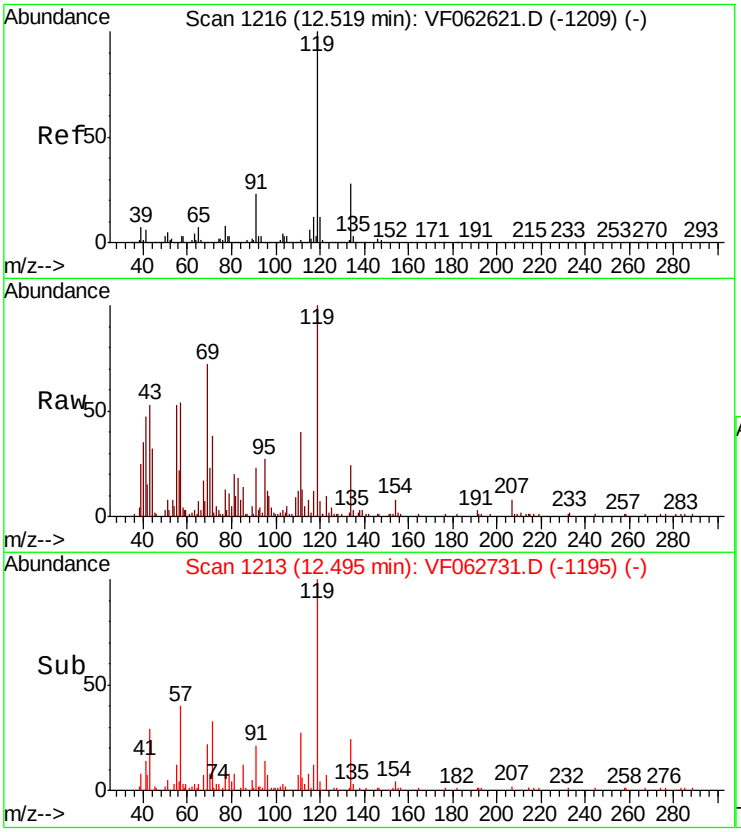


#84
1,2,4-Trimethylbenzene
Concen: 13.357 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion:105 Resp: 244329

Ion	Ratio	Lower	Upper
105	100		
120	49.2	26.7	80.1



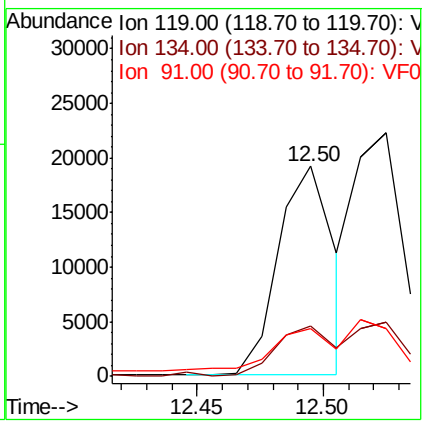


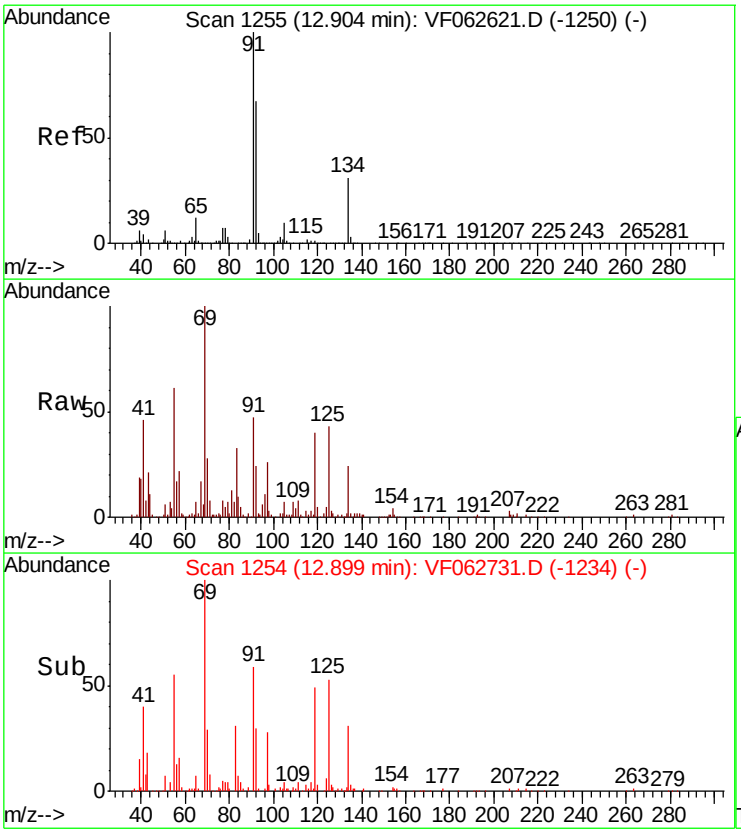
#86
p-Isopropyltoluene
Concen: 1.351 ug/l
RT: 12.50 min Scan# 1213
Delta R.T. -0.02 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 29306

Ion	Ratio	Lower	Upper
119	100		
134	24.2	14.1	42.3
91	22.7	11.4	34.2

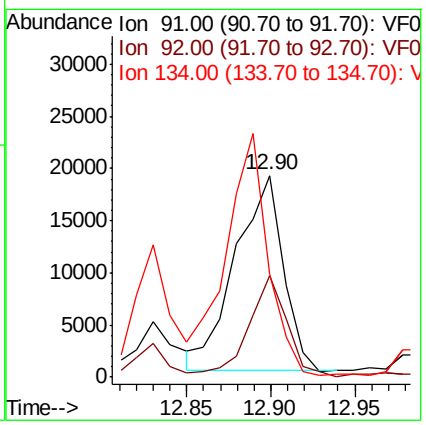


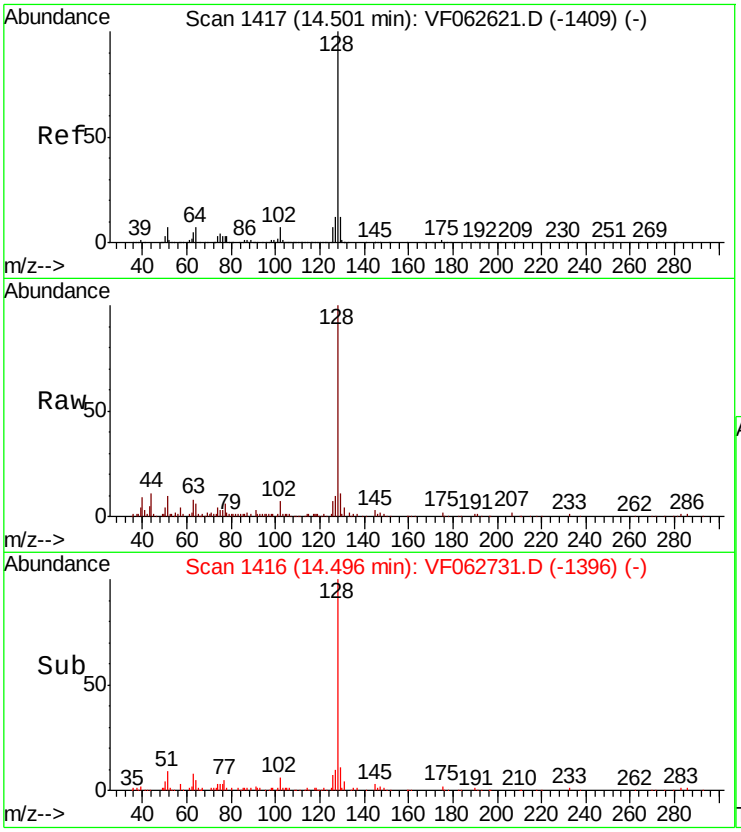


#89
n-Butylbenzene
Concen: 1.721 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Tgt Ion: 91 Resp: 36807

Ion	Ratio	Lower	Upper
91	100		
92	50.0	33.3	99.8
134	51.1	15.4	46.4#





#95
Naphthalene
Concen: 4.303 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062731.D
Acq: 23 May 2019 17:15

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 52867

Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.7	14.5
129	11.2	9.3	13.9