Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062717.D
Acq On : 22 May 2019 20:33
Operator : FY/SY
Sample : K3002-09RE
Misc : 5.03g/5mL/MSVOA F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: May 23 01:25:29 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	5.05	168	501644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	810166	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	481466	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	177073	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	154112	43.47	ug/l	-0.02
Spiked Amount 50.000			Recovery = 86.94%			
35) Dibromofluoromethane	4.29	113	286800	46.26	ug/l	-0.03
Spiked Amount 50.000			Recovery = 92.52%			
50) Toluene-d8	7.70	98	519033	35.07	ug/l	-0.02
Spiked Amount 50.000			Recovery = 70.14%			
62) 4-Bromofluorobenzene	11.48	95	154364	27.50	ug/l	-0.02
Spiked Amount 50.000			Recovery = 55.00%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.67	59	2298	9.819	ug/l #	35
13) Acrolein	2.10	56	1586	6.492	ug/l	86
15) Acrylonitrile	3.06	53	2297	3.479	ug/l #	60
16) Acetone	2.34	43	14903	16.205	ug/l #	63
18) Methyl Acetate	2.45	43	1860	1.287	ug/l	100
20) Methylene Chloride	2.29	84	6326	1.372	ug/l #	80
29) Tetrahydrofuran	3.98	42	1860	2.339	ug/l	94
44) Trichloroethene	5.67	130	28159	4.430	ug/l	97
49) 1,4-Dioxane	6.88	88	189	6.429	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	16092	5.361	ug/l #	52
56) Ethyl methacrylate	8.75	69	28233	6.748	ug/l #	70
59) 2-Hexanone	9.62	43	2150	Below Cal		65
64) Tetrachloroethene	8.29	164	244118	64.001	ug/l	94
68) m/p-Xylenes	10.24	106	13982	2.265	ug/l #	49
69) o-Xylene	10.80	106	10671	1.678	ug/l	79
74) N-amyl acetate	11.46	43	4900	Below Cal #		51
75) 1,1,2,2-Tetrachloroethane	11.73	83	17371	6.698	ug/l #	62
80) 1,3,5-Trimethylbenzene	11.88	105	68198	6.702	ug/l	95
84) 1,2,4-Trimethylbenzene	12.25	105	137537	13.964	ug/l	87
86) p-Isopropyltoluene	12.48	119	28520	2.442	ug/l	93
89) n-Butylbenzene	12.87	91	19312	1.677	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.73	75	571	1.845	ug/l #	46
95) Naphthalene	14.48	128	25447	3.846	ug/l #	93

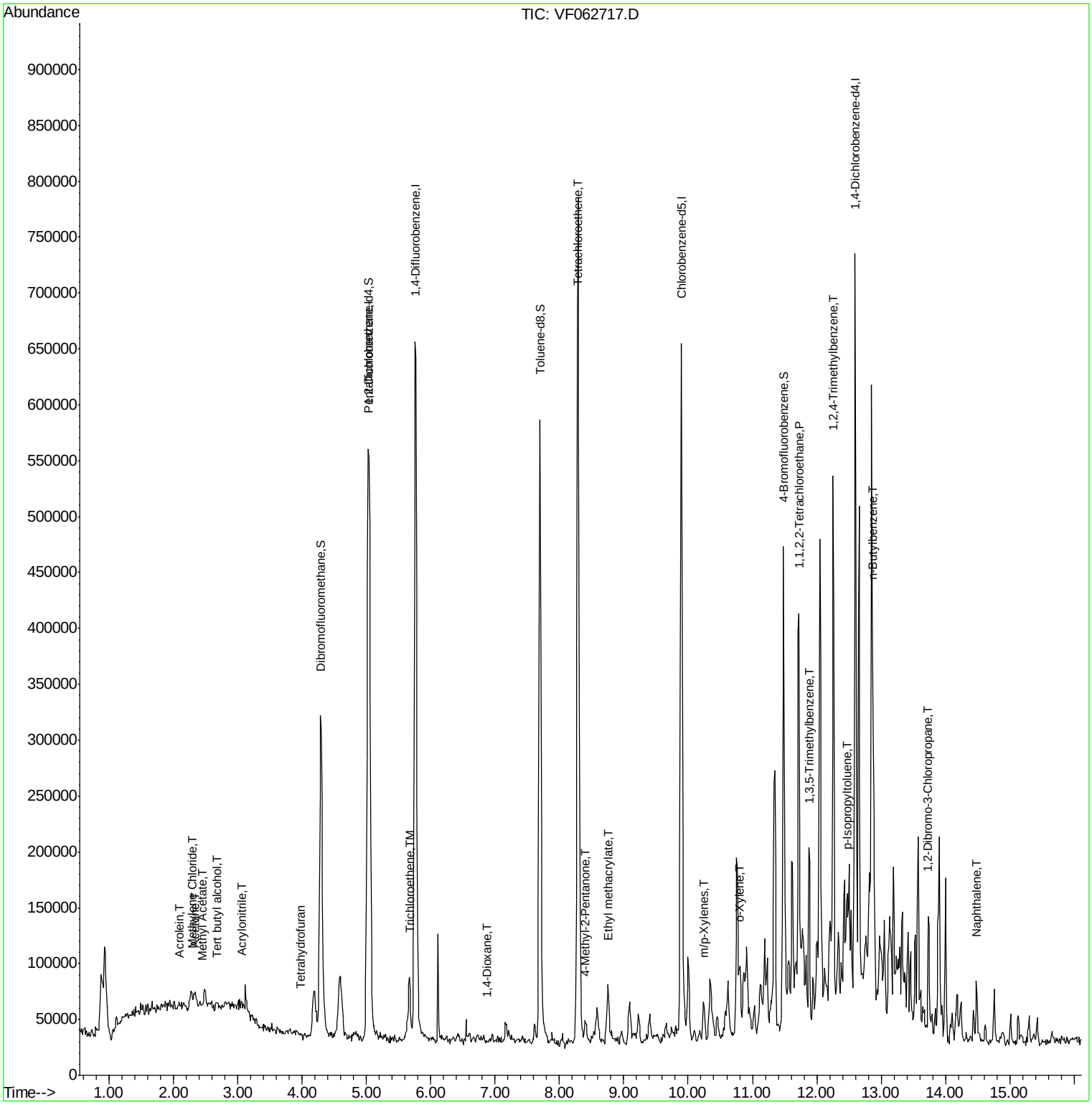
(#) = qualifier out of range (m) = manual integration (+) = signals summed

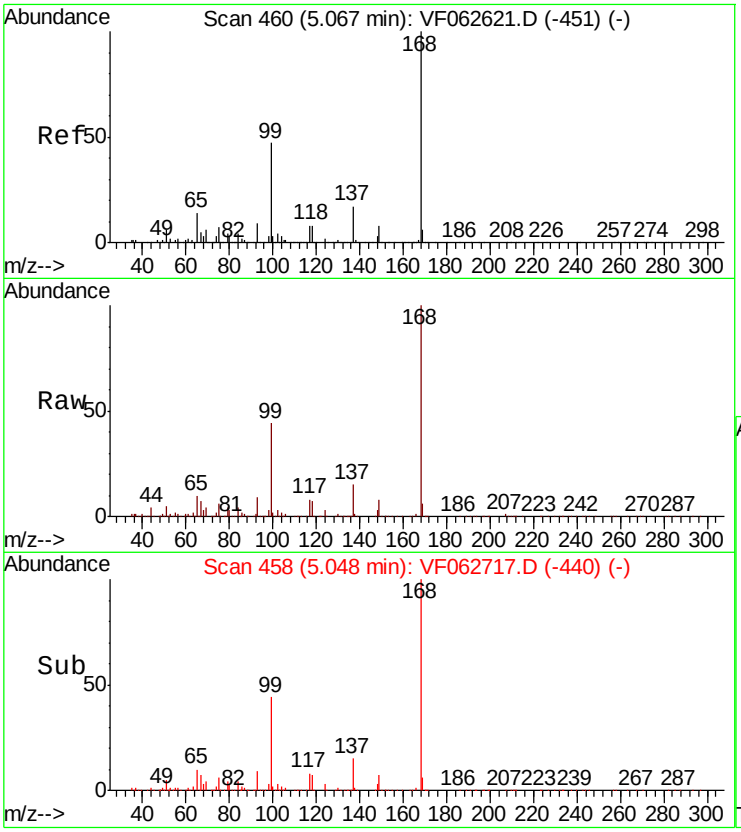
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052219\
Data File : VF062717.D
Acq On : 22 May 2019 20:33
Operator : FY/SY
Sample : K3002-09RE
Misc : 5.03g/5mL/MSVOA_F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: May 23 01:25:29 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



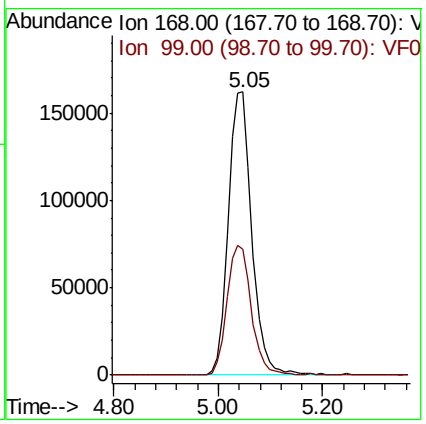


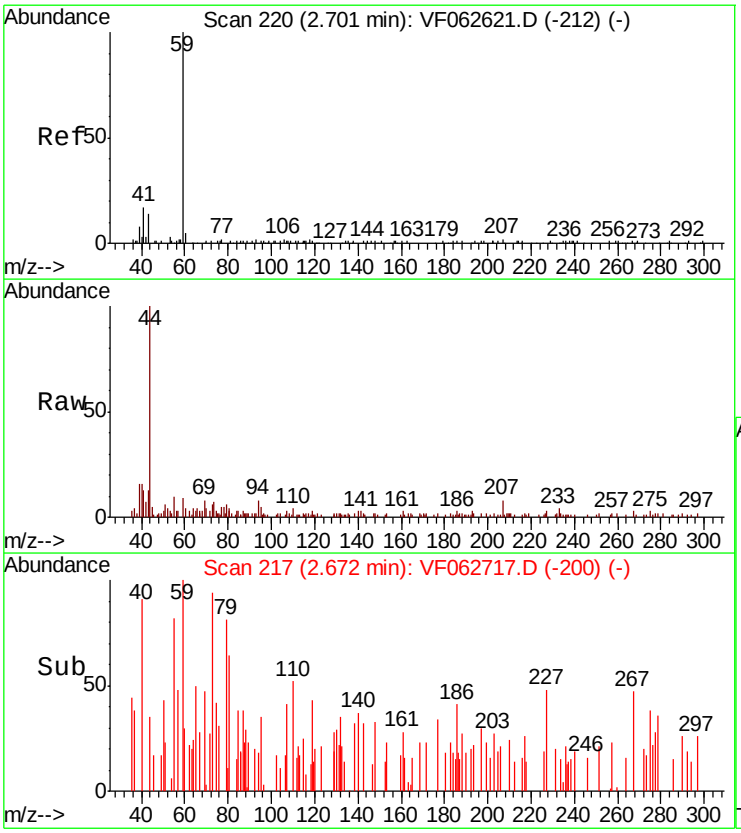
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 501644

Ion	Ratio	Lower	Upper
168	100		
99	44.5	37.8	56.8

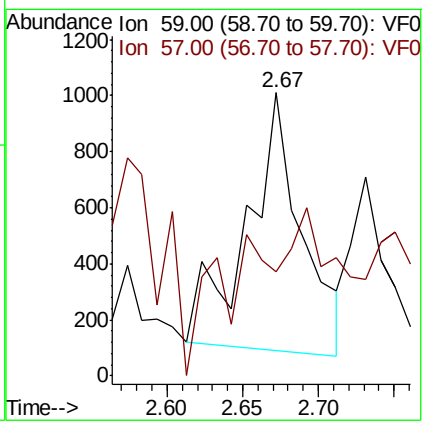


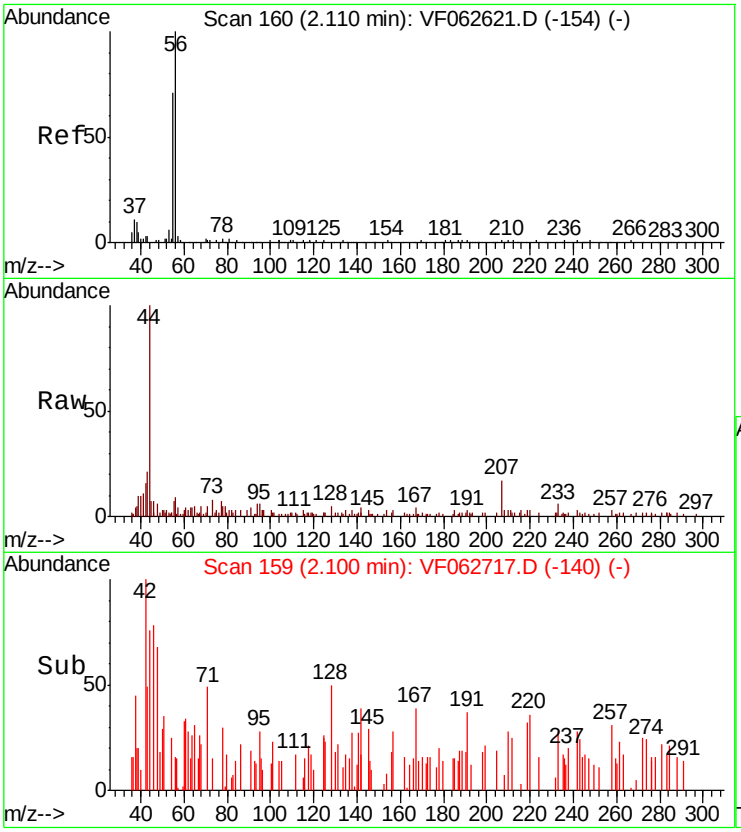


#11
Tert butyl alcohol
Concen: 9.819 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 59 Resp: 2298

Ion	Ratio	Lower	Upper
59	100		
57	36.7	9.3	13.9#



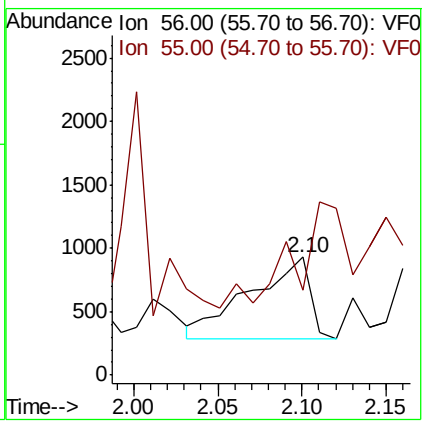


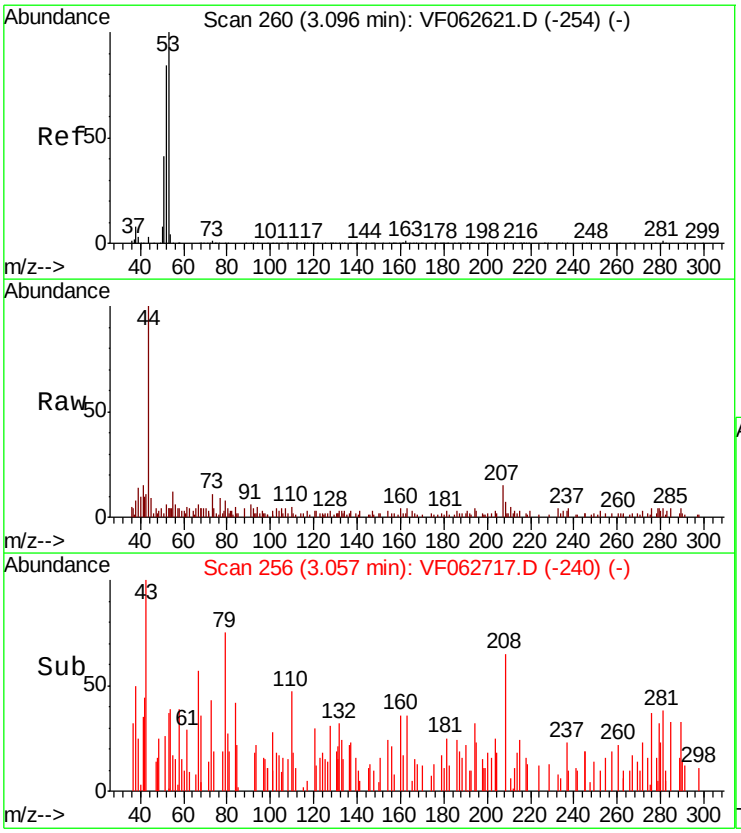
#13
Acrolein
Concen: 6.492 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 1586

Ion	Ratio	Lower	Upper
56	100		
55	62.6	59.4	89.0

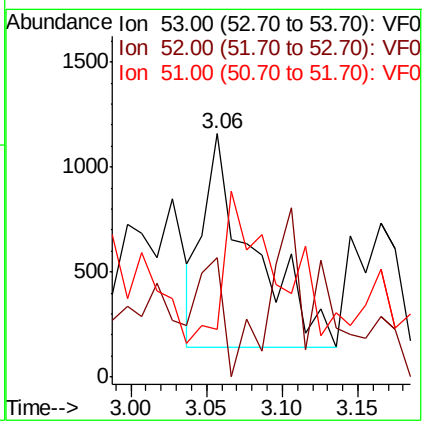


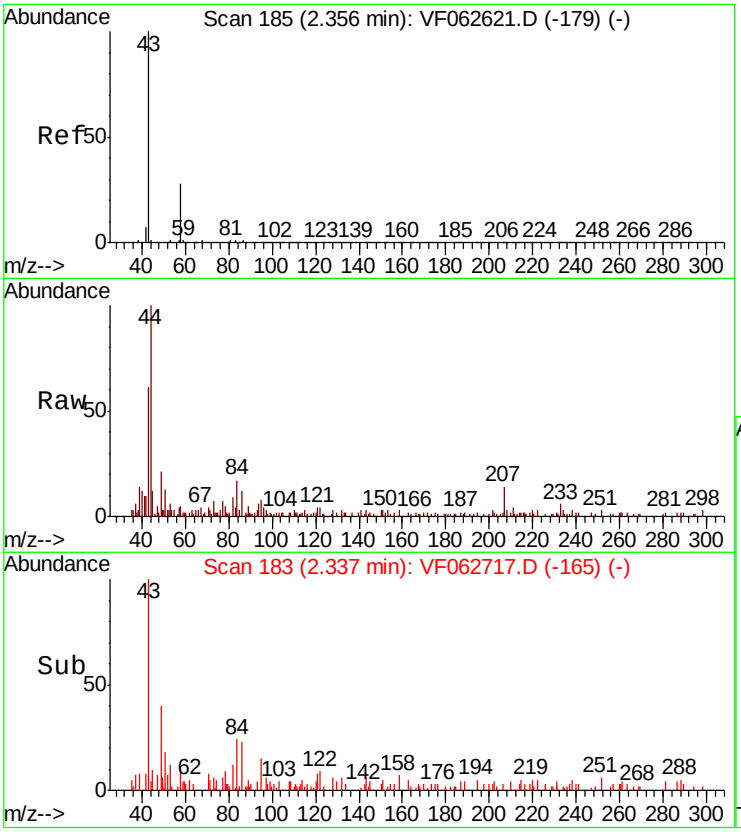


#15
Acrylonitrile
Concen: 3.479 ug/l
RT: 3.06 min Scan# 256
Delta R.T. -0.04 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 53 Resp: 2297

Ion	Ratio	Lower	Upper
53	100		
52	48.8	67.3	100.9#
51	68.6	33.0	49.6#



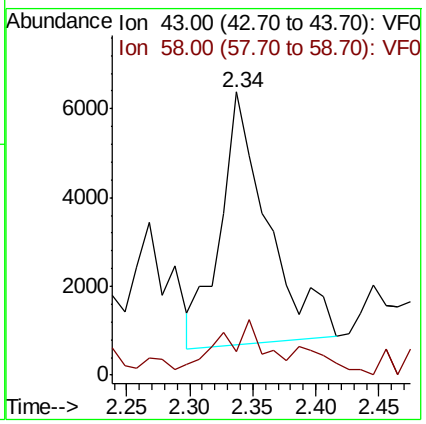


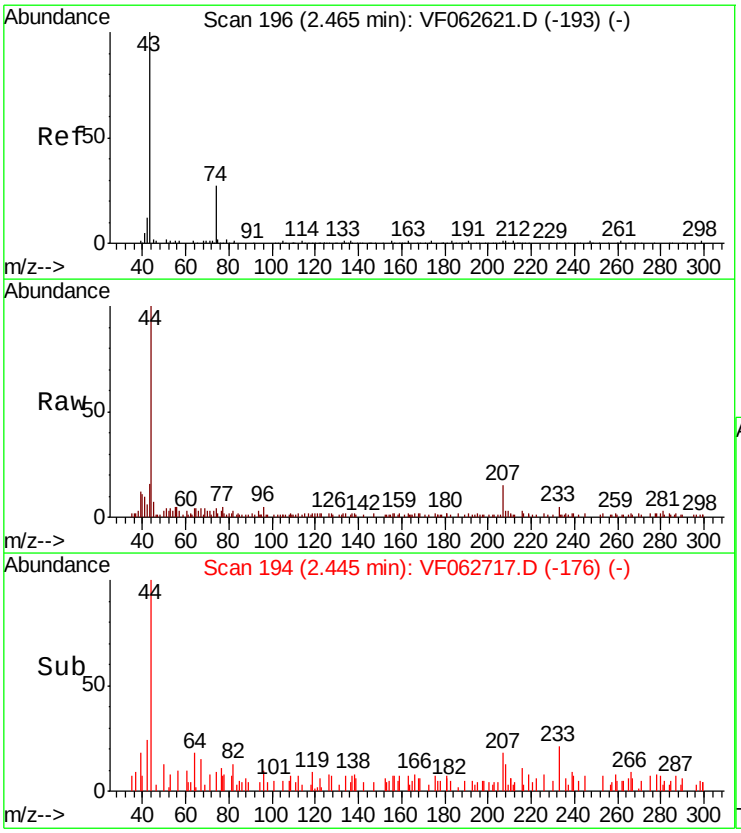
#16
Acetone
Concen: 16.205 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 14903

Ion	Ratio	Lower	Upper
43	100		
58	8.5	22.6	33.8#

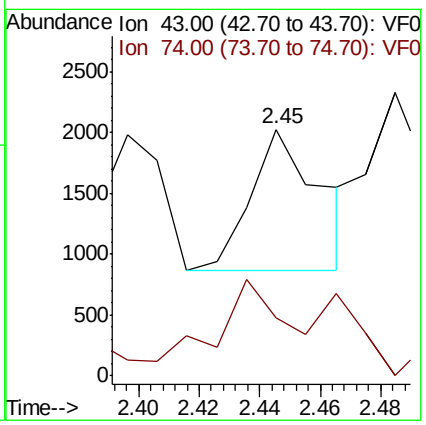


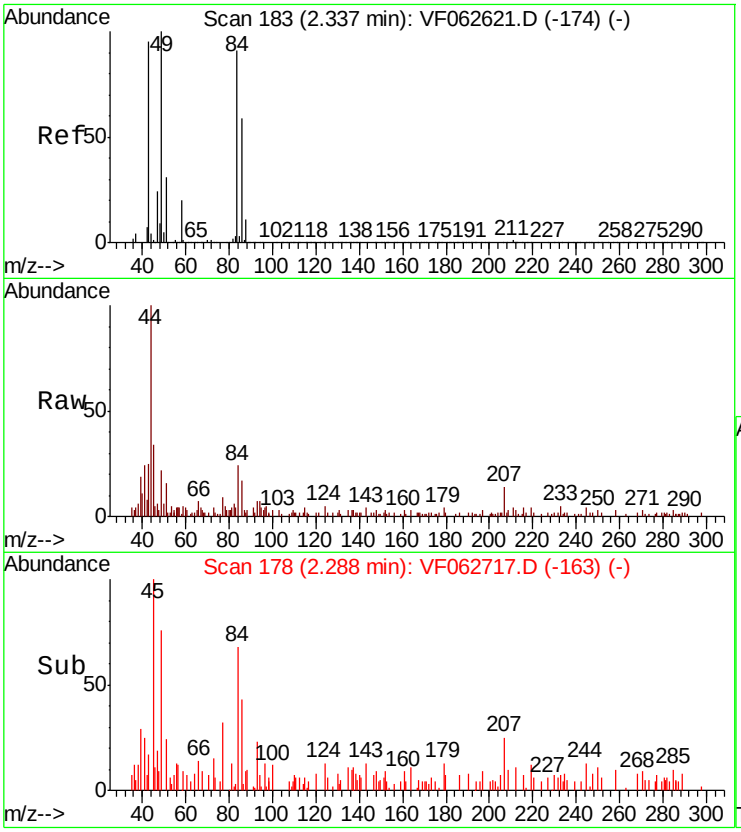


#18
Methyl Acetate
Concen: 1.287 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 43 Resp: 1860

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.9	28.3



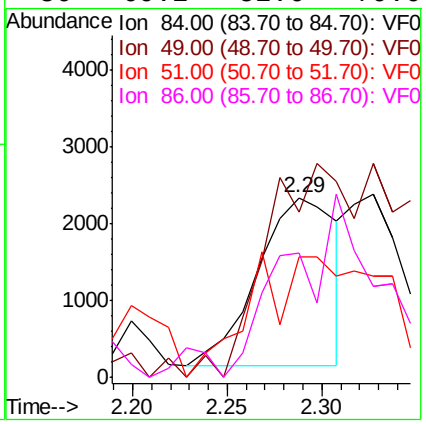


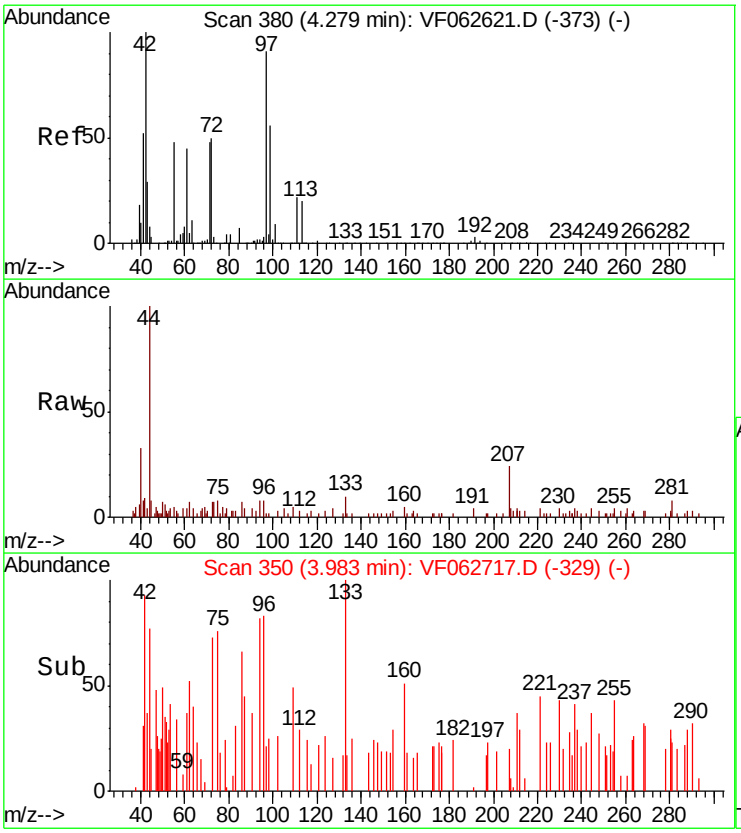
#20
Methylene Chloride
Concen: 1.372 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 6326

Ion	Ratio	Lower	Upper
84	100		
49	92.1	89.8	134.8
51	66.8	28.4	42.6#
86	69.2	52.6	79.0

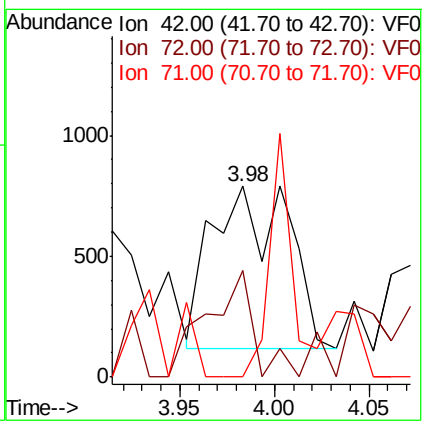


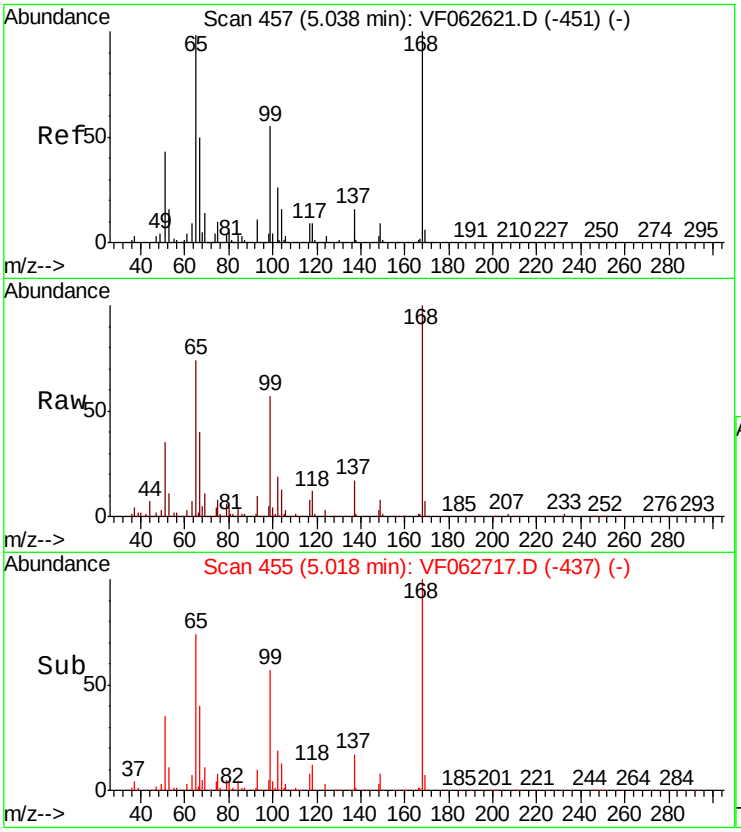


#29
Tetrahydrofuran
Concen: 2.339 ug/l
RT: 3.98 min Scan# 350
Delta R.T. -0.30 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 42 Resp: 1860

Ion	Ratio	Lower	Upper
42	100		
72	41.0	38.2	57.2
71	45.6	35.8	53.6



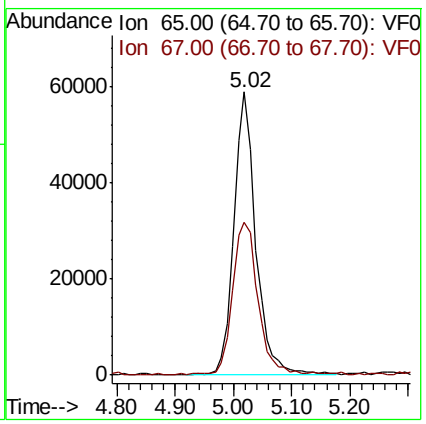


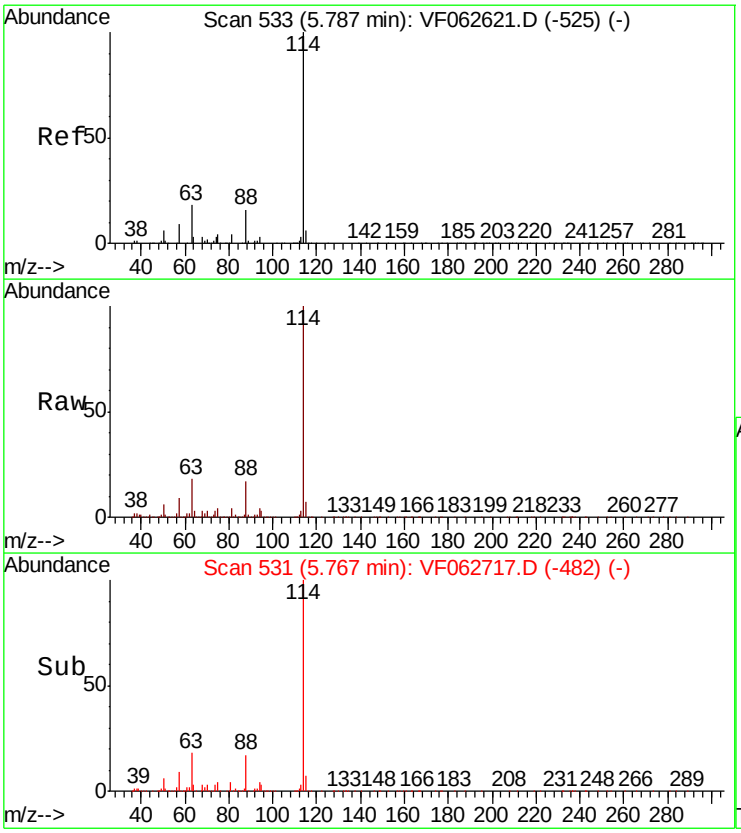
#33
1,2-Dichloroethane-d4
Concen: 43.475 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 154112

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	117.6

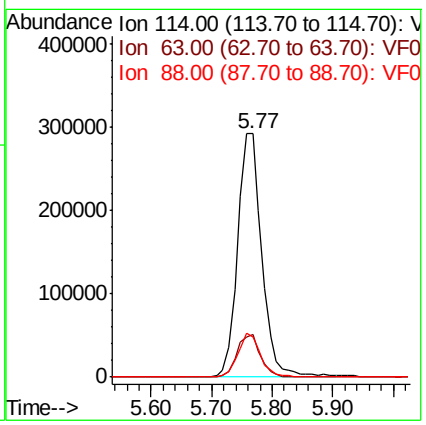


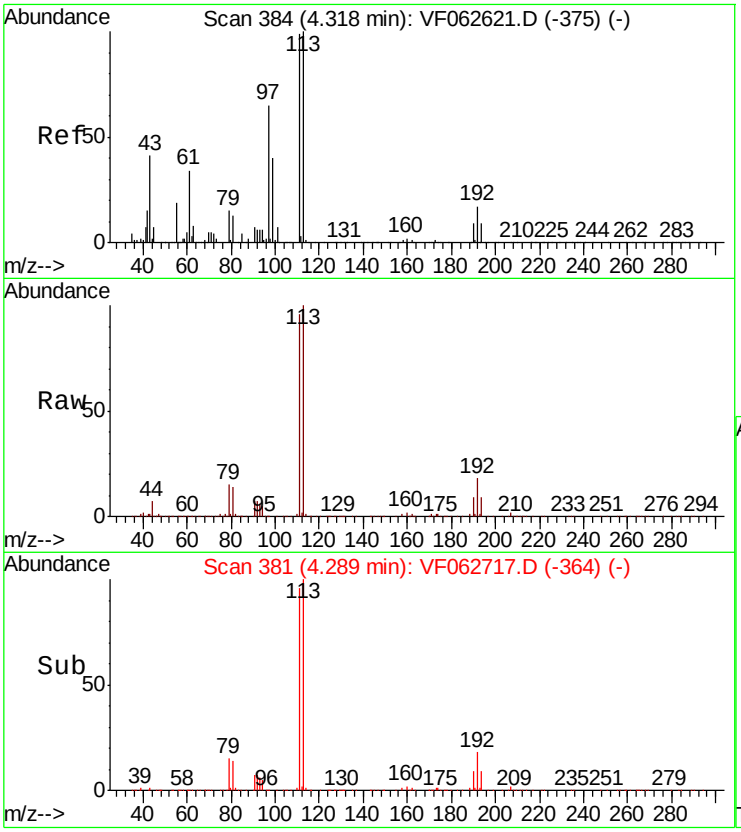


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:114 Resp: 810166

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	16.6	0.0	32.4



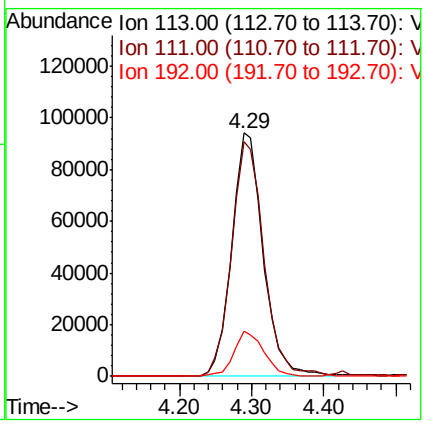


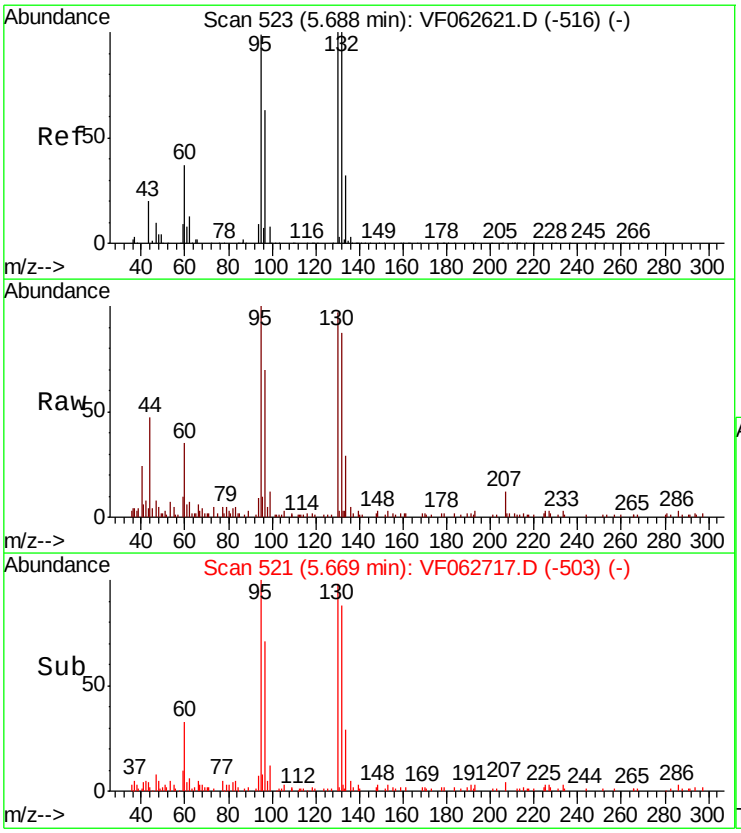
#35
Dibromofluoromethane
Concen: 46.262 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.03 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 286800

Ion	Ratio	Lower	Upper
113	100		
111	96.1	79.4	119.2
192	18.3	13.4	20.2

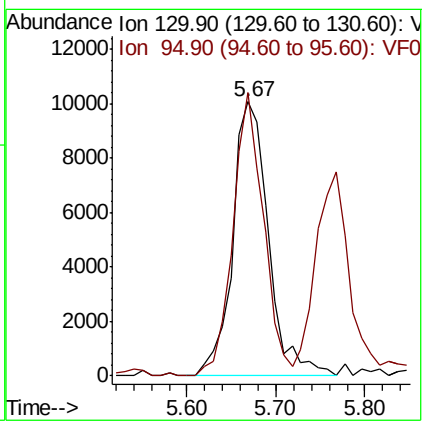


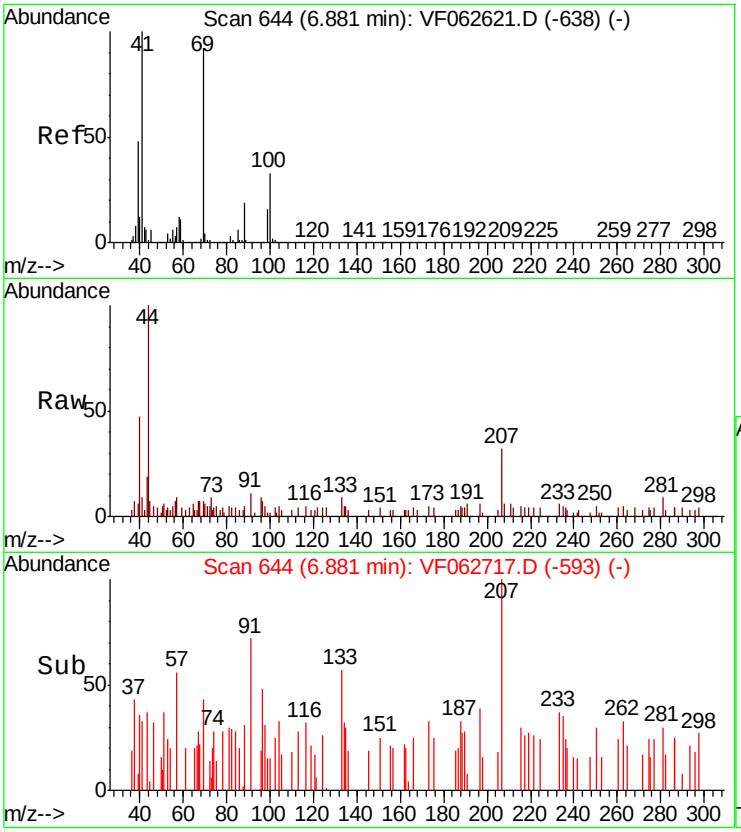


#44
Trichloroethene
Concen: 4.430 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:130 Resp: 28159

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	199.4



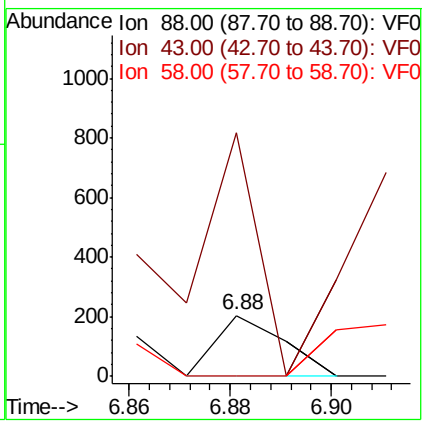


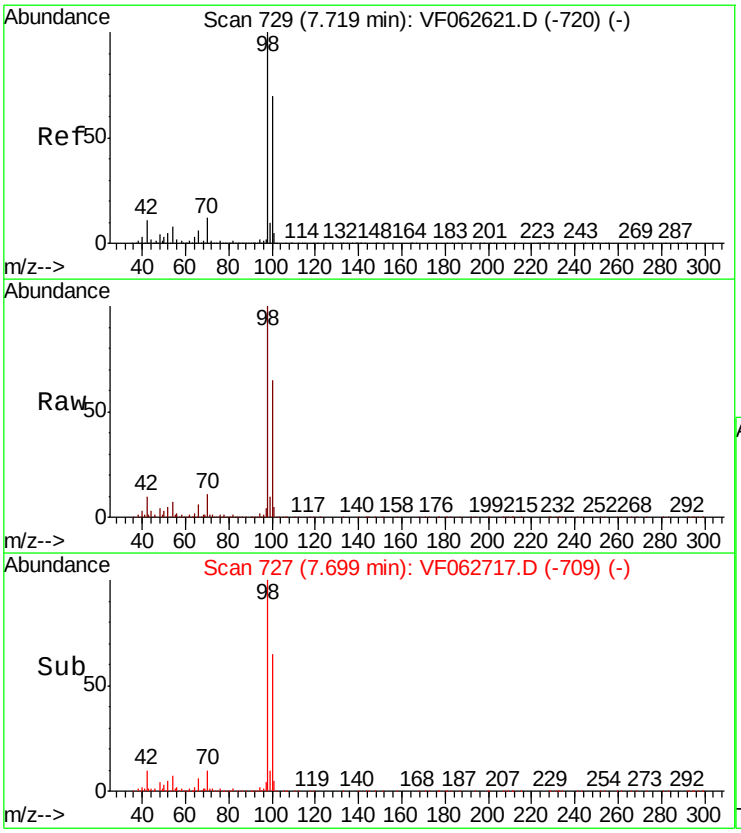
#49
1,4-Dioxane
Concen: 6.429 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 189

Ion	Ratio	Lower	Upper
88	100		
43	400.5	30.0	45.0#
58	0.0	51.1	76.7#

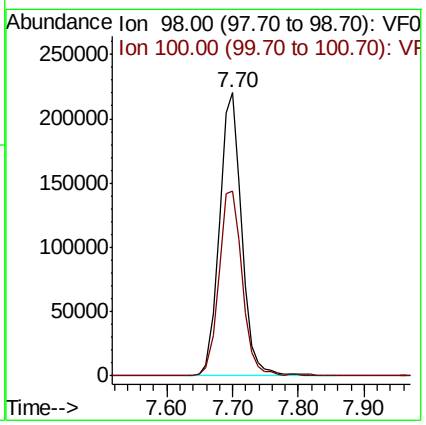


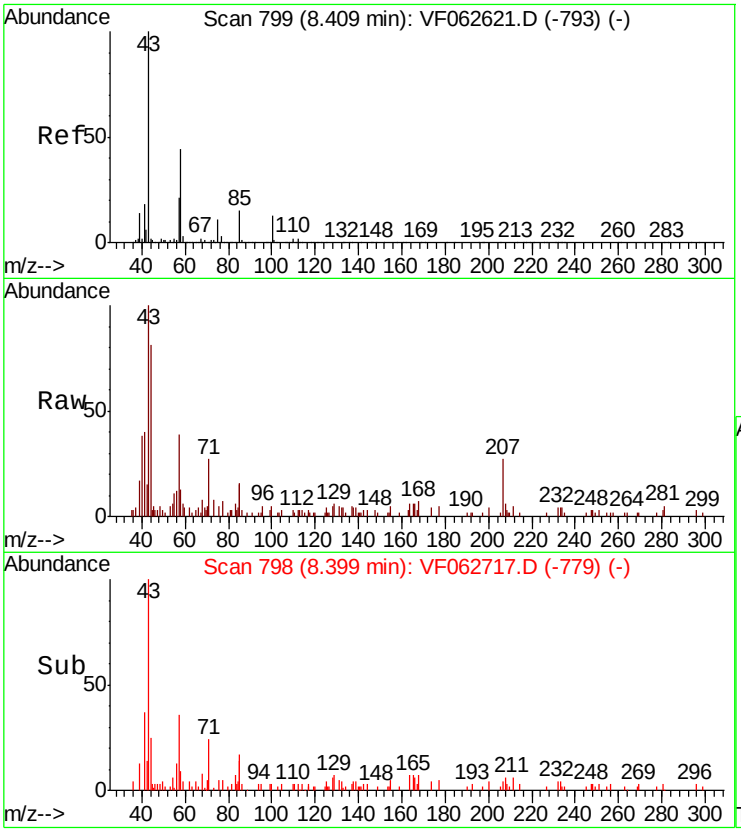


#50
Toluene-d8
Concen: 35.065 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 98 Resp: 519033

Ion	Ratio	Lower	Upper
98	100		
100	65.1	56.2	84.2



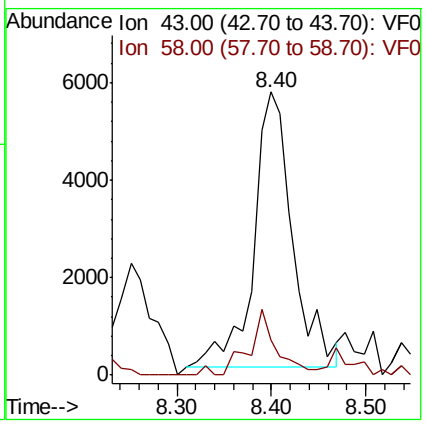


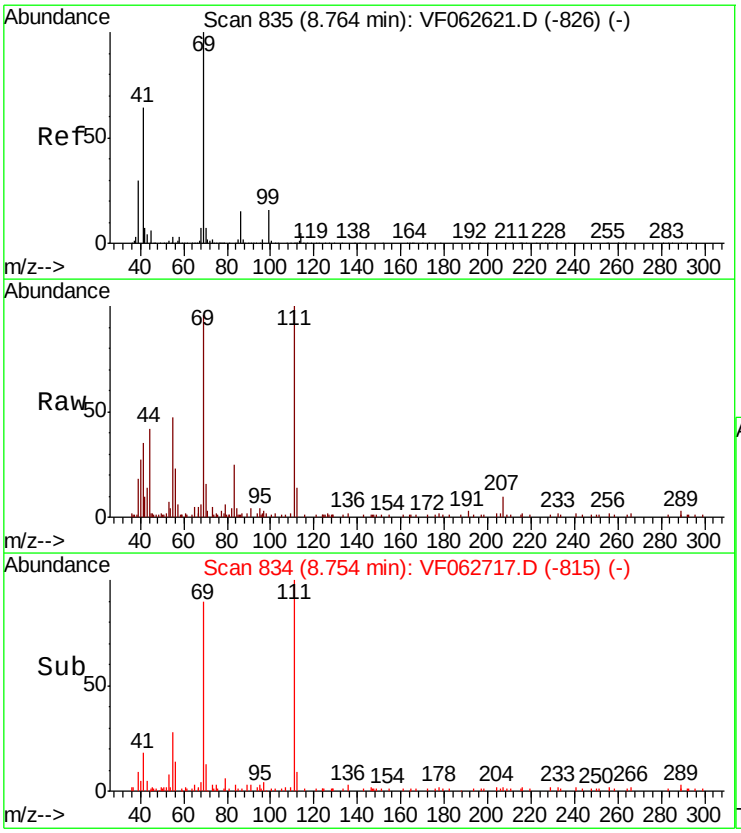
#51
4-Methyl-2-Pentanone
Concen: 5.361 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 16092

Ion	Ratio	Lower	Upper
43	100		
58	12.5	34.9	52.3#

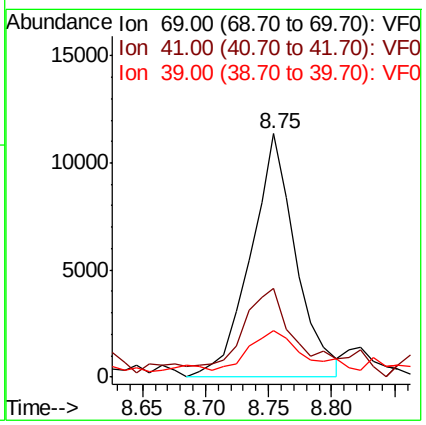


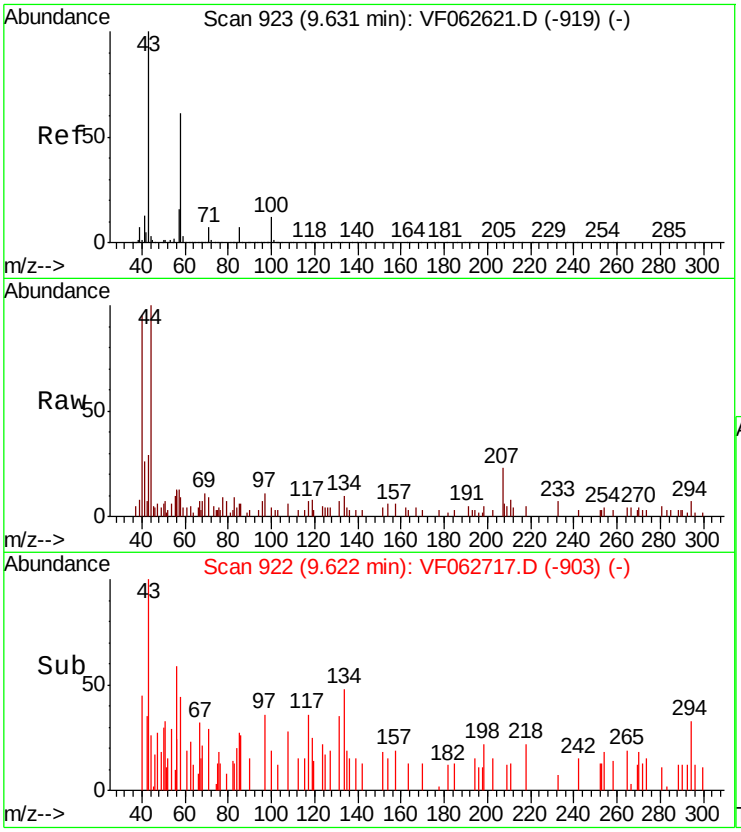


#56
Ethyl methacrylate
Concen: 6.748 ug/l
RT: 8.75 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 69 Resp: 28233

Ion	Ratio	Lower	Upper
69	100		
41	36.3	51.4	77.2#
39	19.3	23.6	35.4#



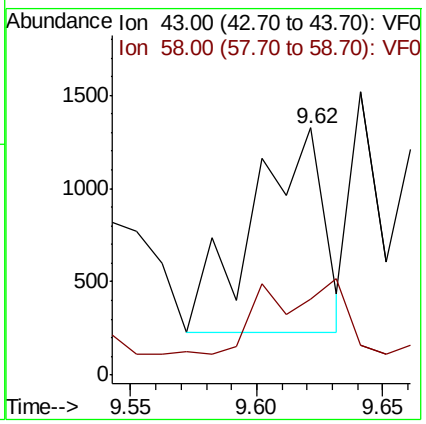


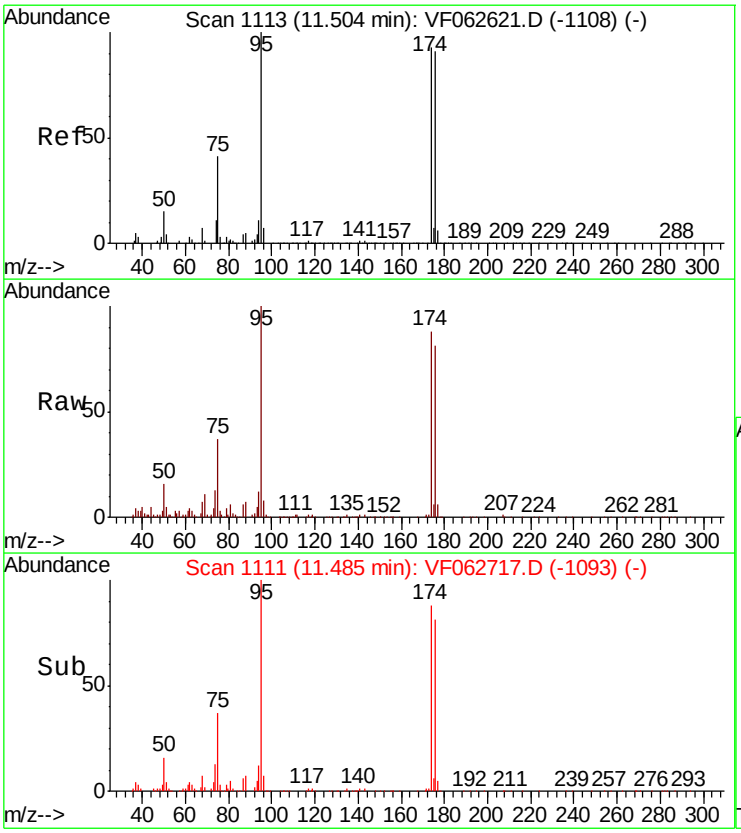
#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2150

Ion	Ratio	Lower	Upper
43	100		
58	30.8	28.1	84.4

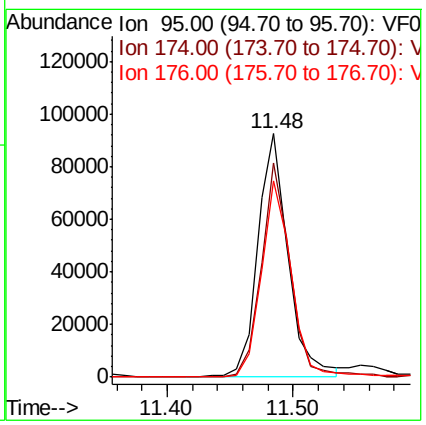


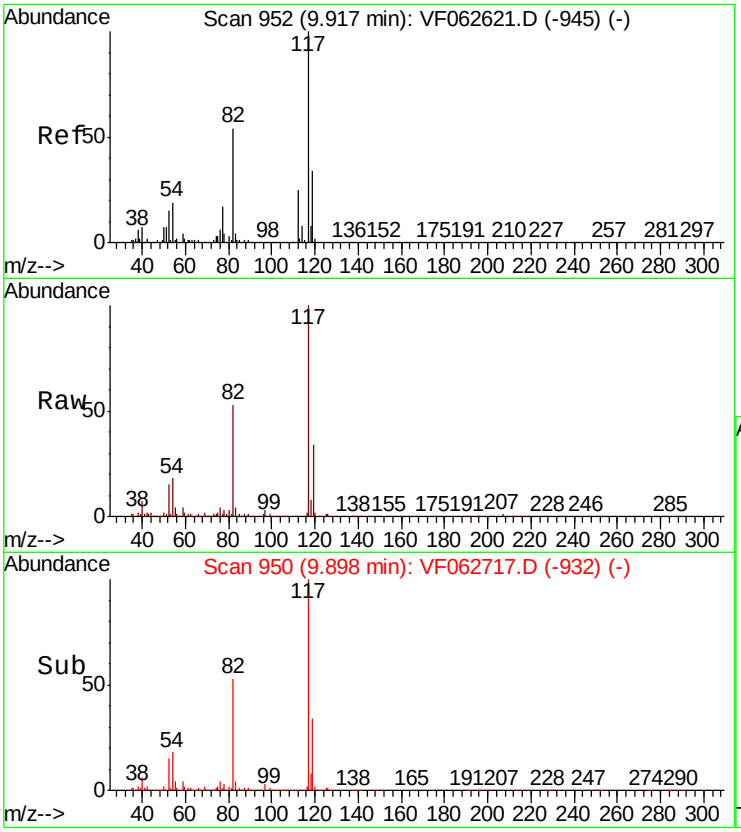


#62
4-Bromofluorobenzene
Concen: 27.497 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 95 Resp: 154364

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	185.6
176	80.9	0.0	182.4



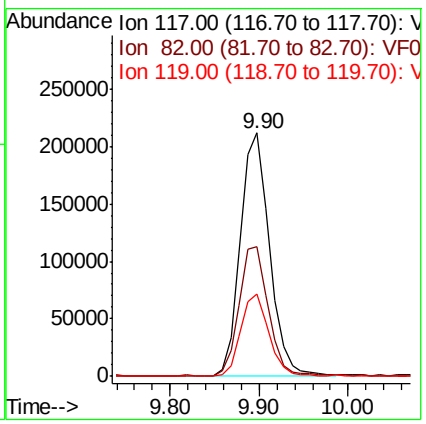


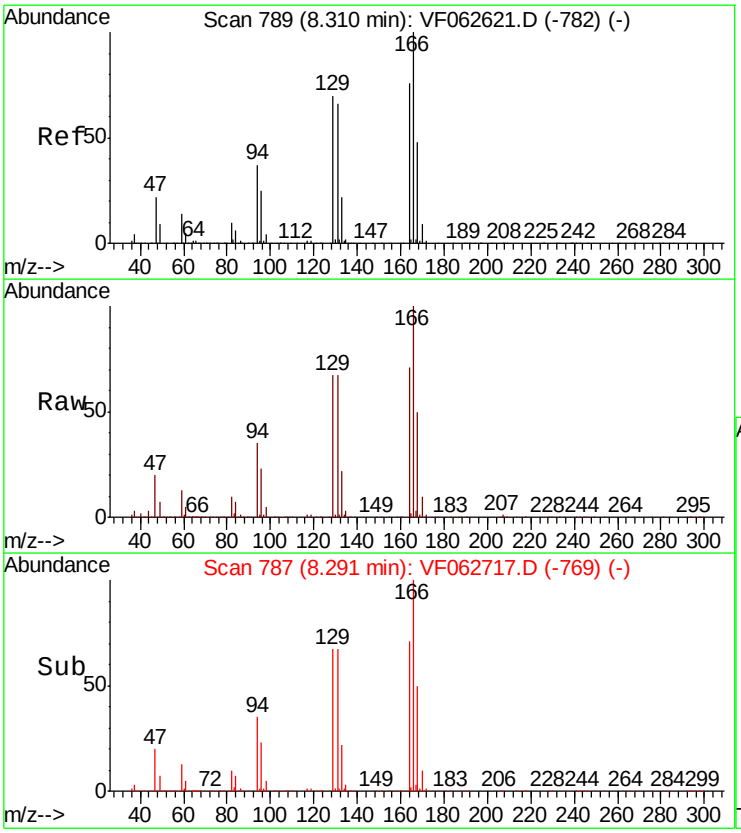
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 481466

Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.3	64.9
119	33.6	27.4	41.0

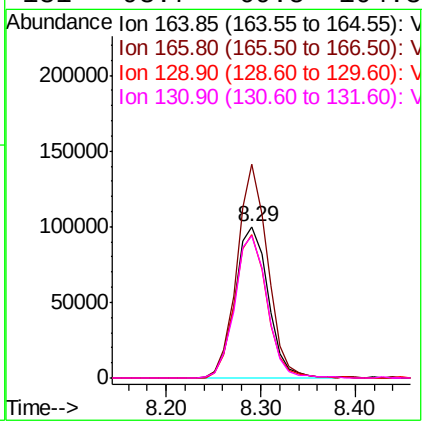


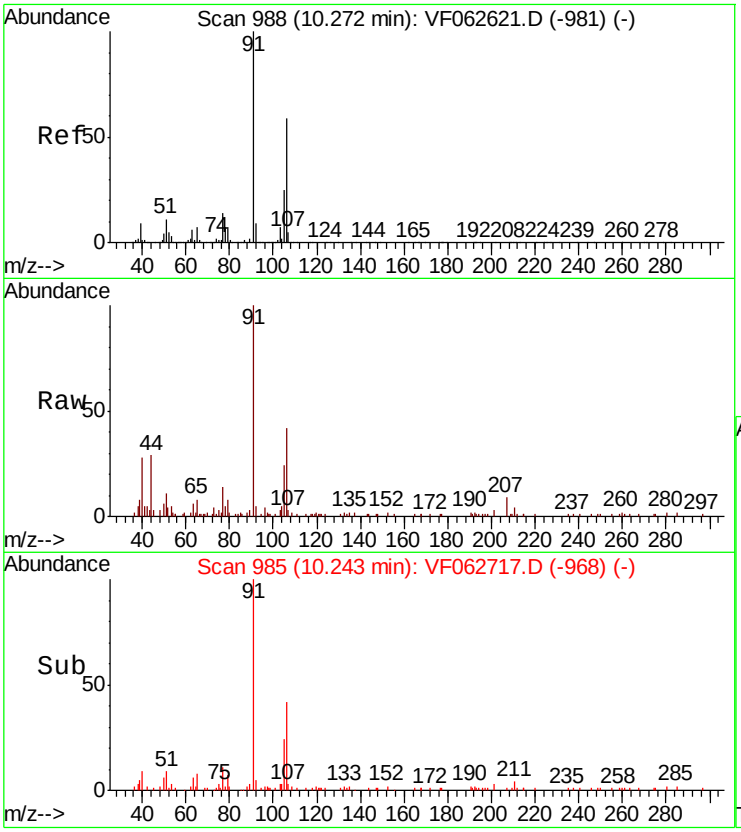


#64
Tetrachloroethene
Concen: 64.001 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:164 Resp: 244118

Ion	Ratio	Lower	Upper
164	100		
166	140.8	105.5	158.3
129	94.4	73.8	110.6
131	93.7	69.5	104.3



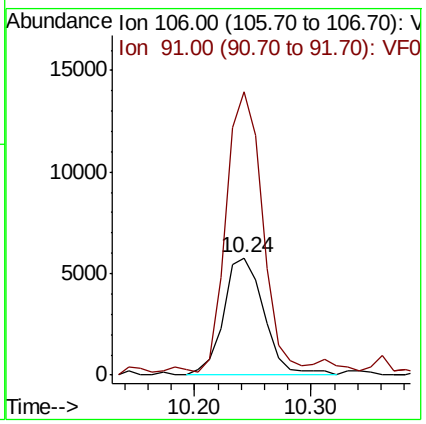


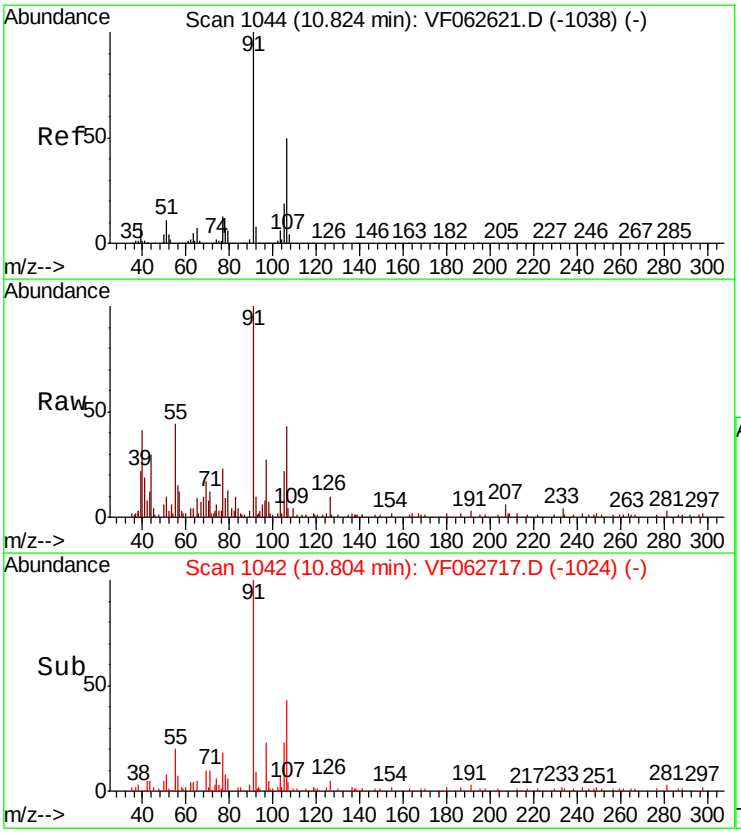
#68
m/p-Xylenes
Concen: 2.265 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.03 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 13982

Ion	Ratio	Lower	Upper
106	100		
91	240.9	136.9	205.3#

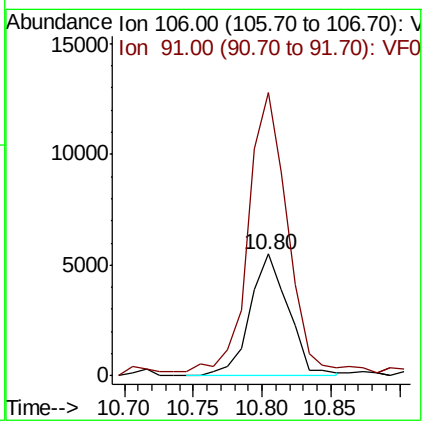


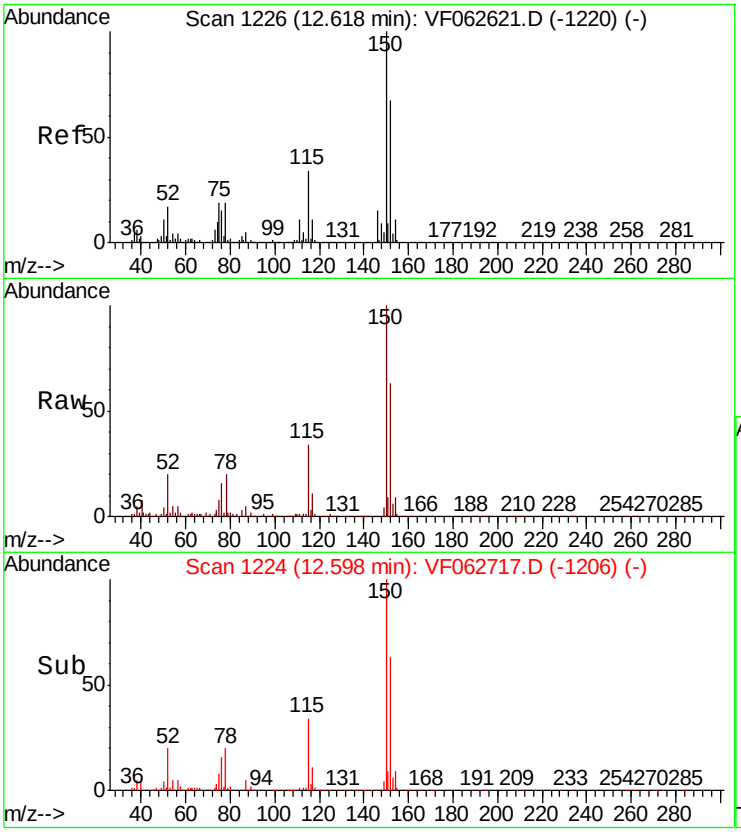


#69
o-Xylene
Concen: 1.678 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:106 Resp: 10671

Ion	Ratio	Lower	Upper
106	100		
91	232.2	100.2	300.5



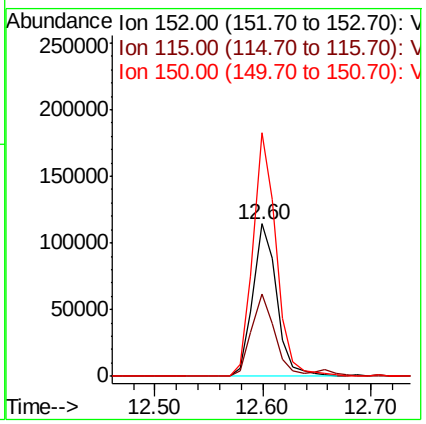


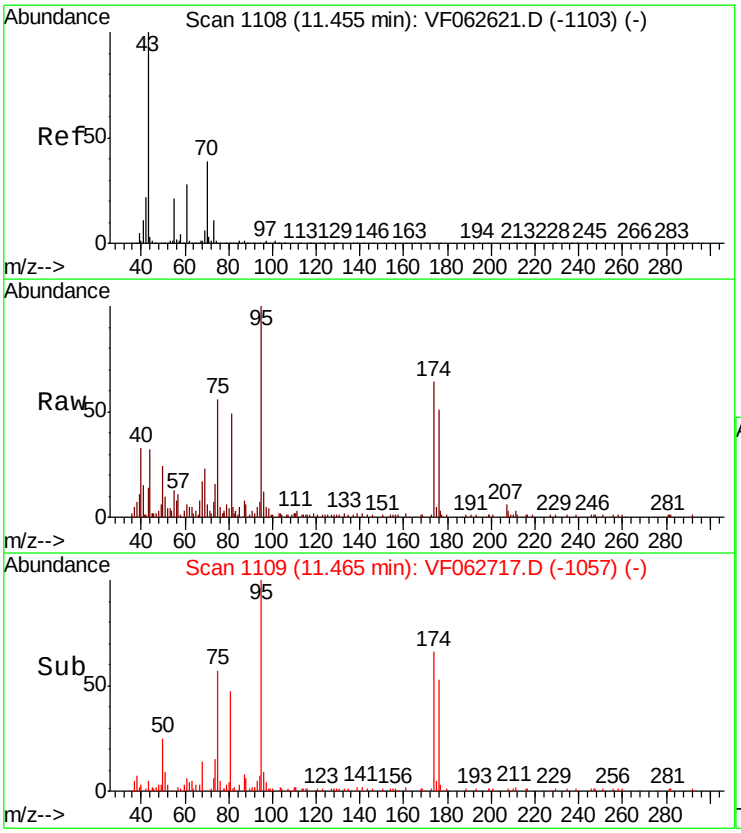
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 177073

Ion	Ratio	Lower	Upper
152	100		
115	54.1	25.2	75.6
150	160.0	0.0	306.2

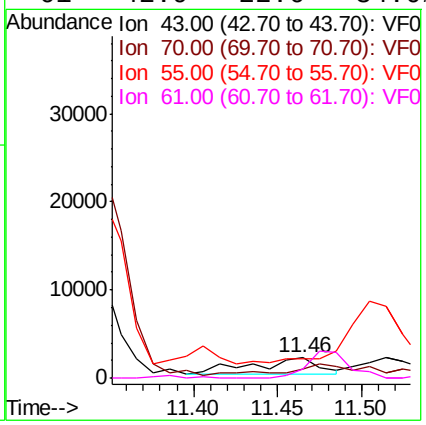


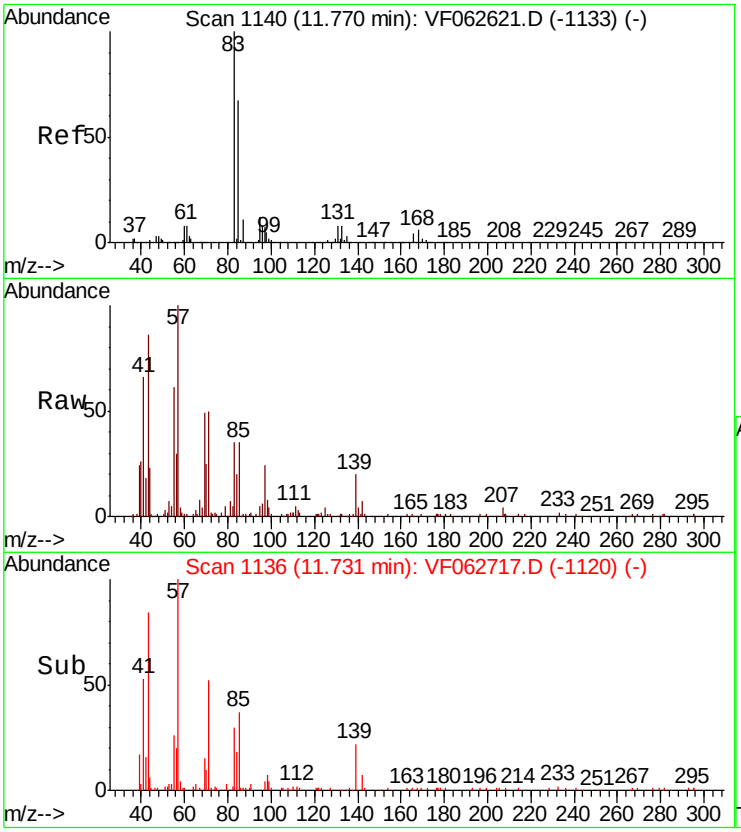


#74
N-amyl acetate
Concen: Below Cal
RT: 11.46 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 43 Resp: 4900

Ion	Ratio	Lower	Upper
43	100		
70	43.6	30.9	46.3
55	91.8	17.0	25.4#
61	42.9	22.6	34.0#



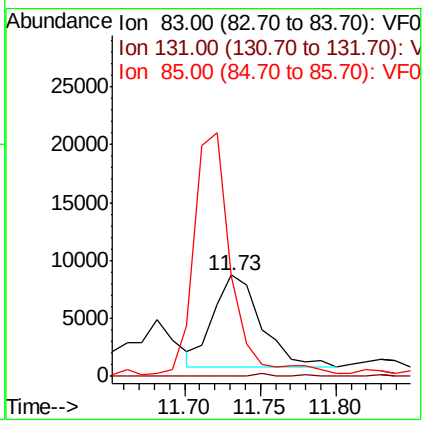


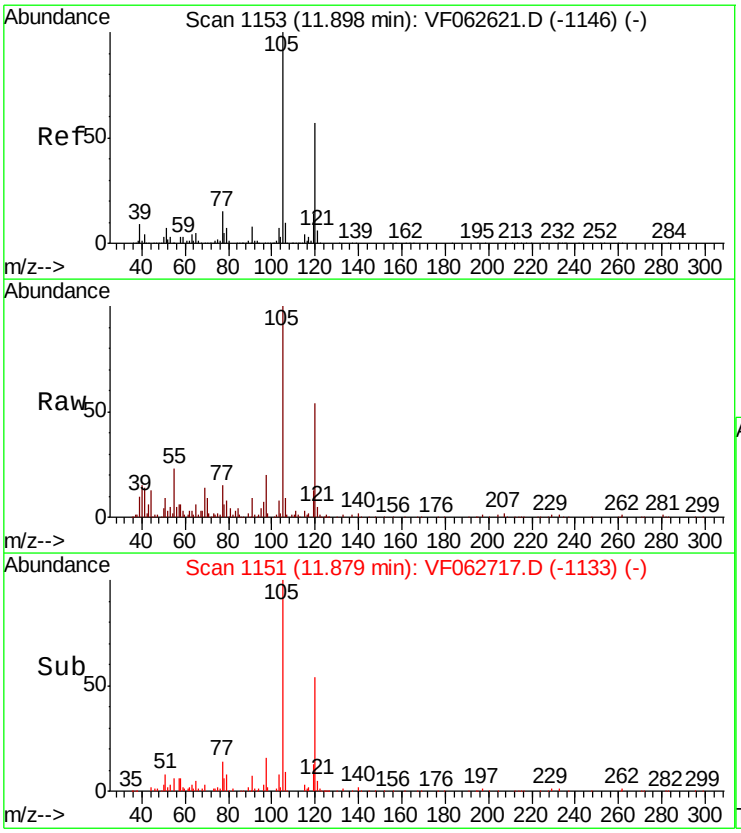
#75
1,1,2,2-Tetrachloroethane
Concen: 6.698 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. -0.04 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 17371

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	98.9	33.5	100.5

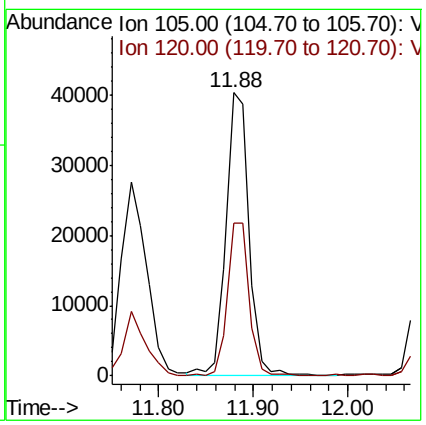


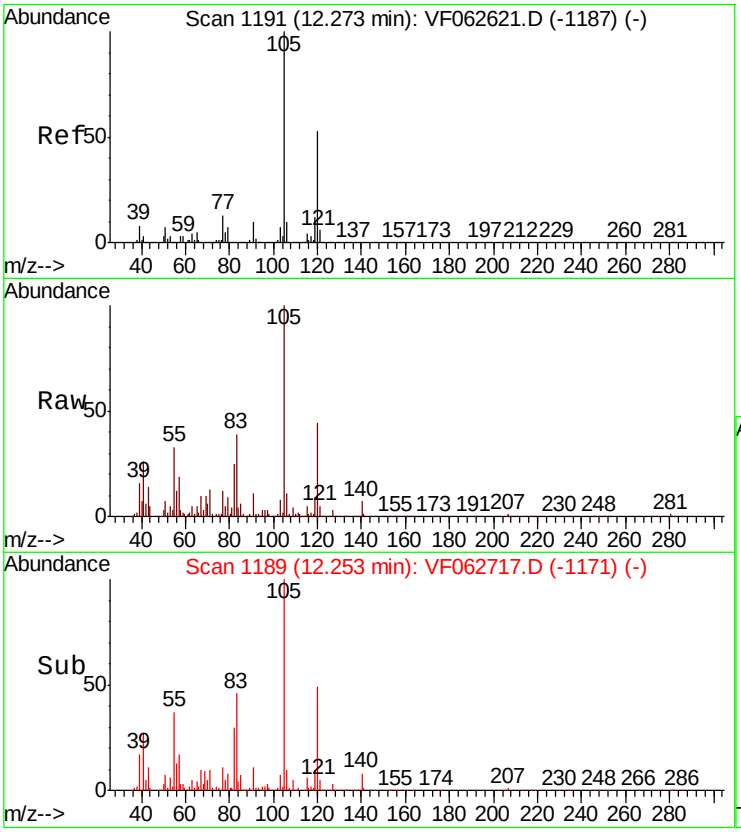


#80
1,3,5-Trimethylbenzene
Concen: 6.702 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:105 Resp: 68198

Ion	Ratio	Lower	Upper
105	100		
120	53.9	28.7	86.3



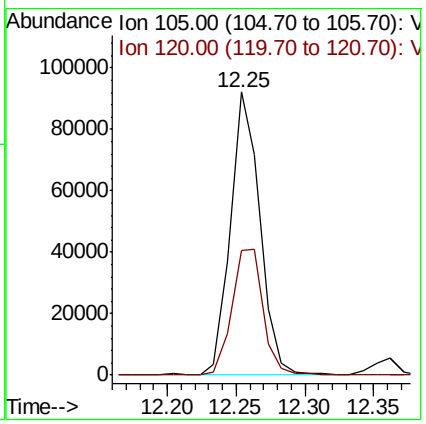


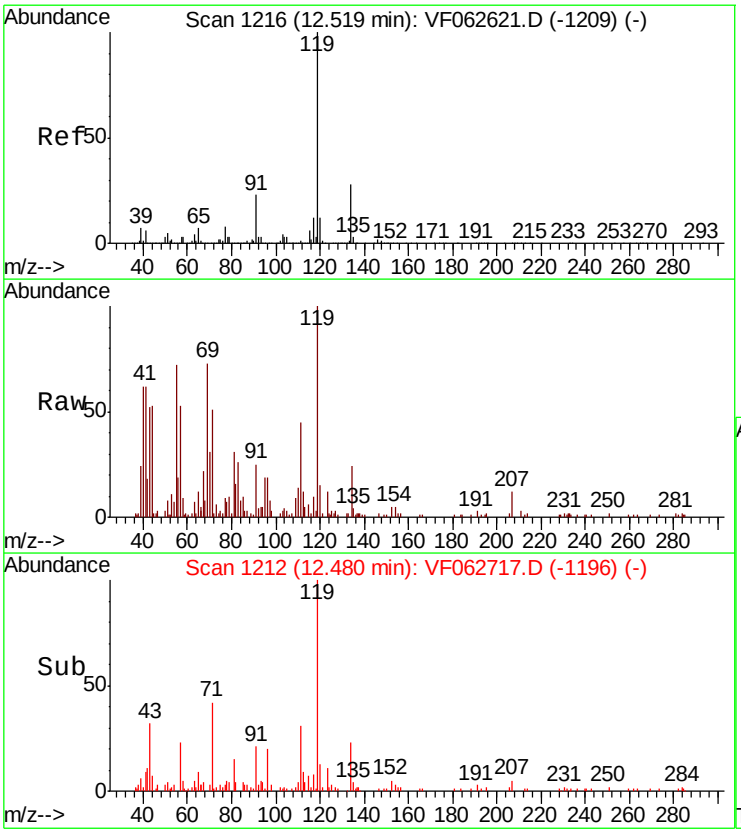
#84
1,2,4-Trimethylbenzene
Concen: 13.964 ug/l
RT: 12.25 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 137537

Ion	Ratio	Lower	Upper
105	100		
120	44.1	26.7	80.1

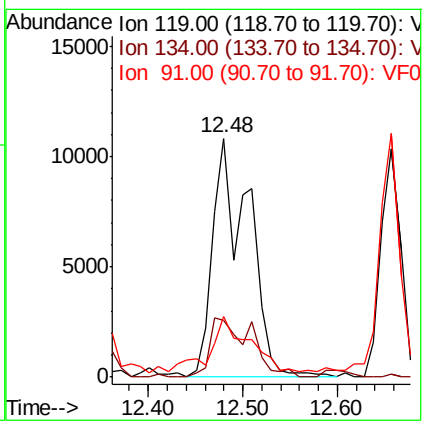


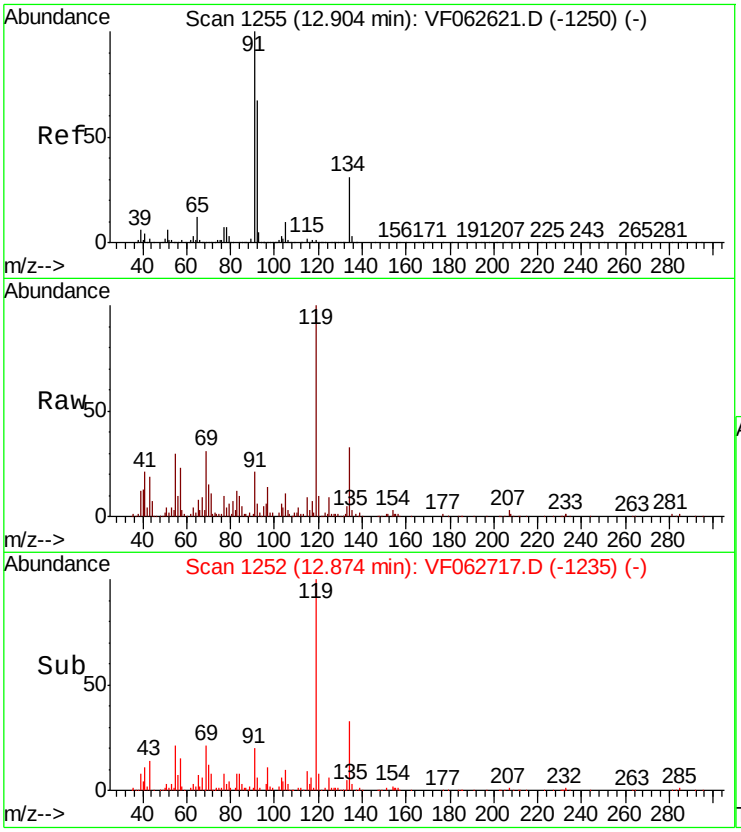


#86
p-Isopropyltoluene
Concen: 2.442 ug/l
RT: 12.48 min Scan# 1212
Delta R.T. -0.04 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion:119 Resp: 28520

Ion	Ratio	Lower	Upper
119	100		
134	23.7	14.1	42.3
91	25.3	11.4	34.2



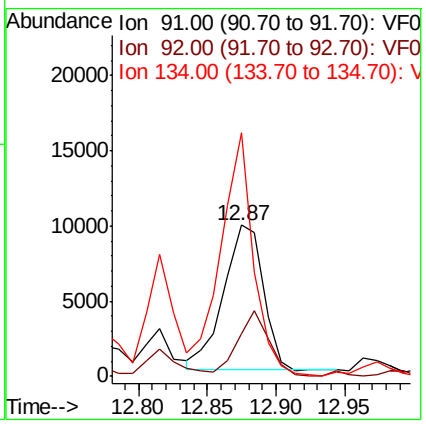


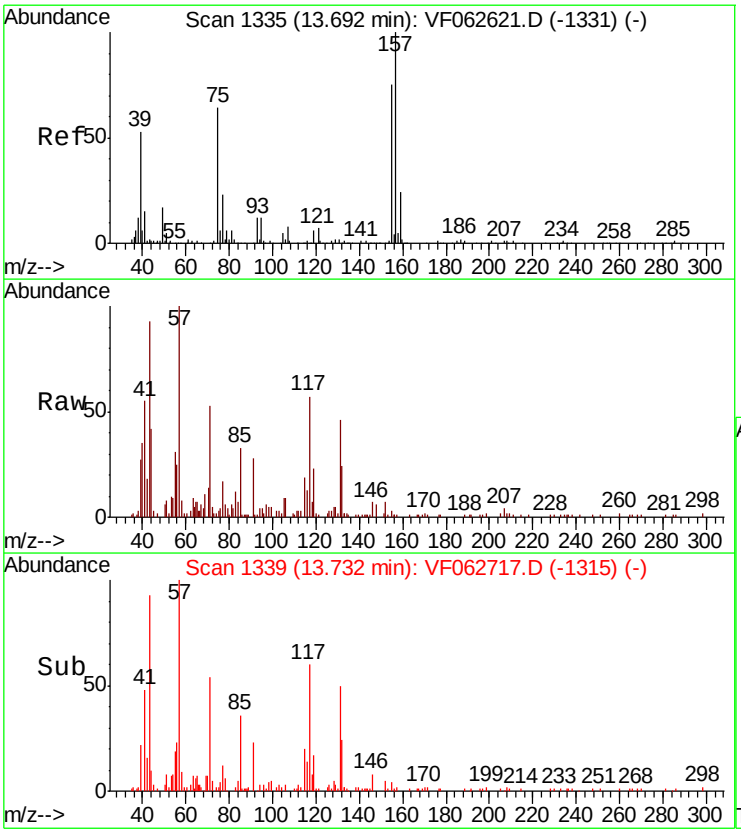
#89
n-Butylbenzene
Concen: 1.677 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. -0.03 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 19312

Ion	Ratio	Lower	Upper
91	100		
92	28.2	33.3	99.8#
134	161.2	15.4	46.4#

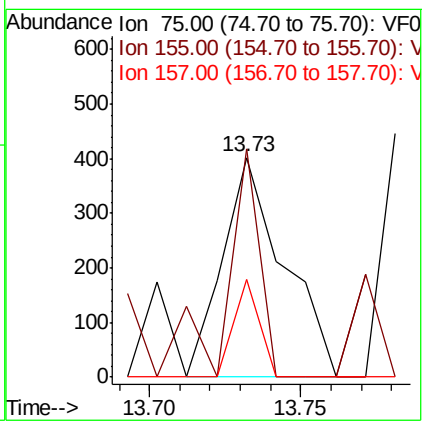


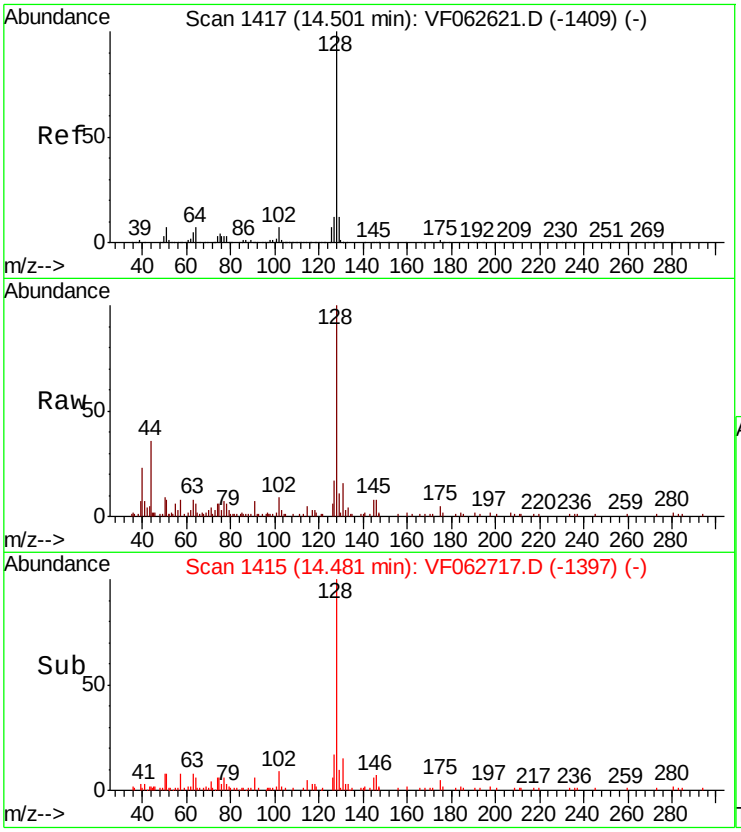


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.845 ug/l
RT: 13.73 min Scan# 1339
Delta R.T. 0.04 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Tgt Ion: 75 Resp: 571

Ion	Ratio	Lower	Upper
75	100		
155	103.7	58.1	174.3
157	44.3	77.8	233.4#





#95
Naphthalene
Concen: 3.846 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062717.D
Acq: 22 May 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 25447

Ion	Ratio	Lower	Upper
128	100		
127	16.6	9.7	14.5#
129	11.0	9.3	13.9