Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122018\
Data File : VF061113.D
Acq On : 20 Dec 2018 17:40
Operator : VA/AP
Sample : J6377-14
Misc : 4.31g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 21 06:43:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	155288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	269794	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	170693	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	48646	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	61565	30.82	ug/l	0.01
Spiked Amount 50.000			Recovery = 61.64%			
35) Dibromofluoromethane	4.12	113	78705	36.42	ug/l	0.01
Spiked Amount 50.000			Recovery = 72.84%			
50) Toluene-d8	7.57	98	189416	30.93	ug/l	0.01
Spiked Amount 50.000			Recovery = 61.86%			
62) 4-Bromofluorobenzene	11.41	95	52156	18.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 36.94%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.58	59	108	1.340	ug/l #	65
13) Acrolein	1.99	56	610	10.474	ug/l	81
15) Acrylonitrile	2.93	53	3315	17.787	ug/l #	49
16) Acetone	2.25	43	17264	43.238	ug/l	98
18) Methyl Acetate	2.38	43	10530	12.747	ug/l #	85
20) Methylene Chloride	2.28	84	3425	Below Cal	#	69
25) 2-Butanone	4.35	43	7500	11.582	ug/l	97
29) Tetrahydrofuran	4.12	42	6369	24.165	ug/l #	41
31) Cyclohexane	3.69	56	5427	1.860	ug/l	98
37) Ethyl Acetate	4.12	43	75174	61.952	ug/l #	35
39) Methylcyclohexane	5.46	83	14263	4.882	ug/l	97
40) Benzene	4.65	78	40497	5.783	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	1092	1.013	ug/l #	74
52) Toluene	7.63	92	6097	1.315	ug/l	99
59) 2-Hexanone	9.50	43	1230	1.577	ug/l	75
65) Chlorobenzene	9.81	112	35101	9.954	ug/l	92
68) m/p-Xylenes	10.14	106	777673	343.976	ug/l	89
69) o-Xylene	10.72	106	4448	1.774	ug/l	68
70) Styrene	10.80	104	269	Below Cal	#	30
73) Isopropylbenzene	11.13	105	9083	2.167	ug/l	86
78) n-propylbenzene	11.60	91	8286	1.289	ug/l	97
79) 2-Chlorotoluene	11.72	91	5191	1.805	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.83	105	25462	7.376	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	511	2.297	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.21	105	73271	21.286	ug/l	100
85) sec-Butylbenzene	12.21	105	73271	15.807	ug/l #	58
86) p-Isopropyltoluene	12.46	119	3969	1.032	ug/l	80
87) 1,3-Dichlorobenzene	12.48	146	6974	Below Cal		95
88) 1,4-Dichlorobenzene	12.57	146	46665	28.161	ug/l	97
95) Naphthalene	14.46	128	13774	6.593	ug/l	99

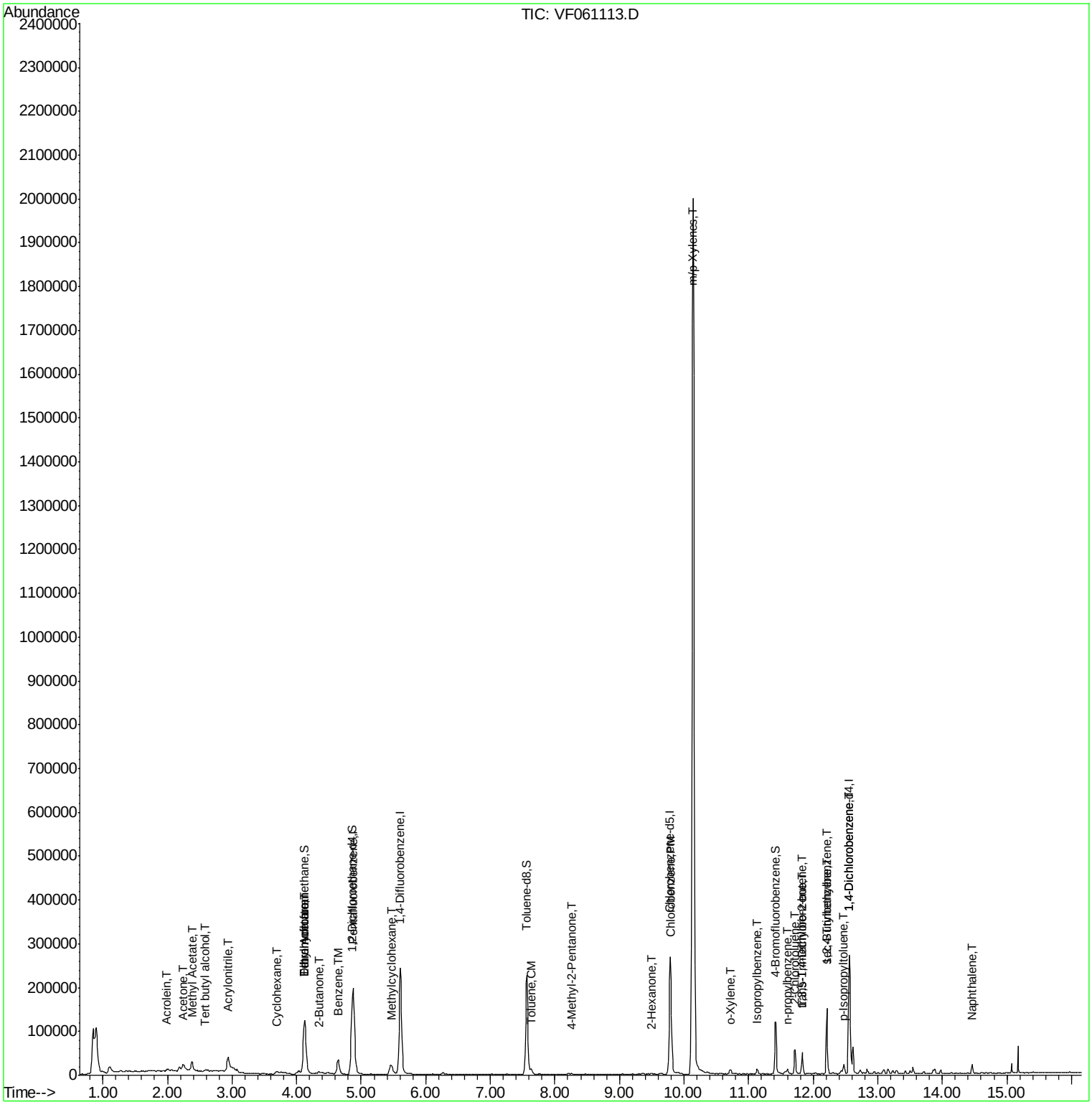
(#) = qualifier out of range (m) = manual integration (+) = signals summed

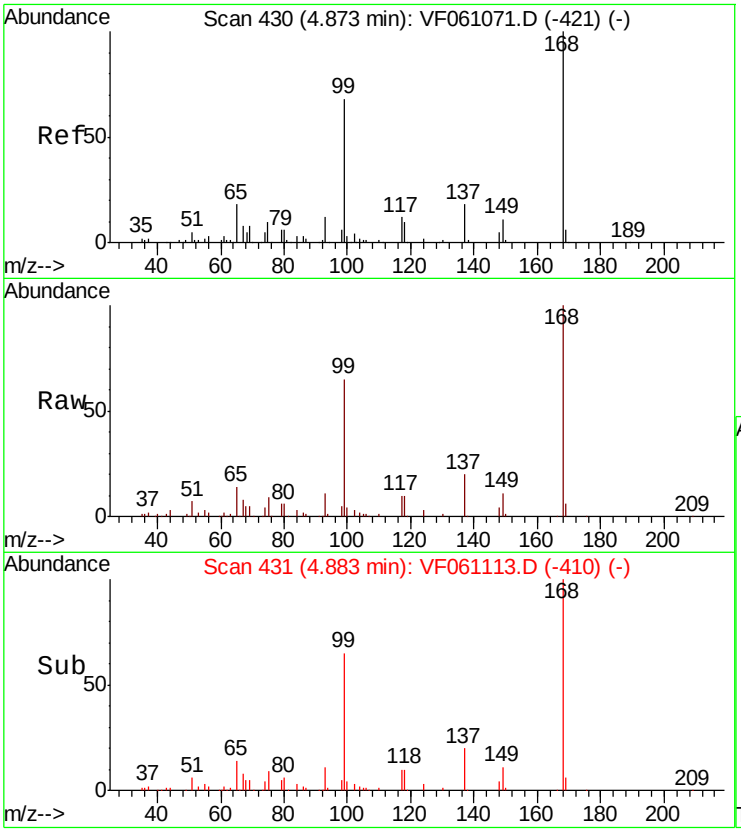
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061113.D
Acq On : 20 Dec 2018 17:40
Operator : VA/AP
Sample : J6377-14
Misc : 4.31g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 21 06:43:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



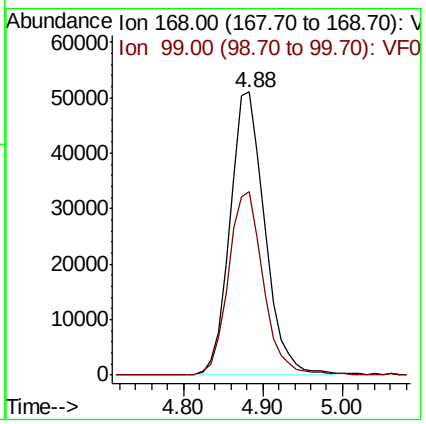


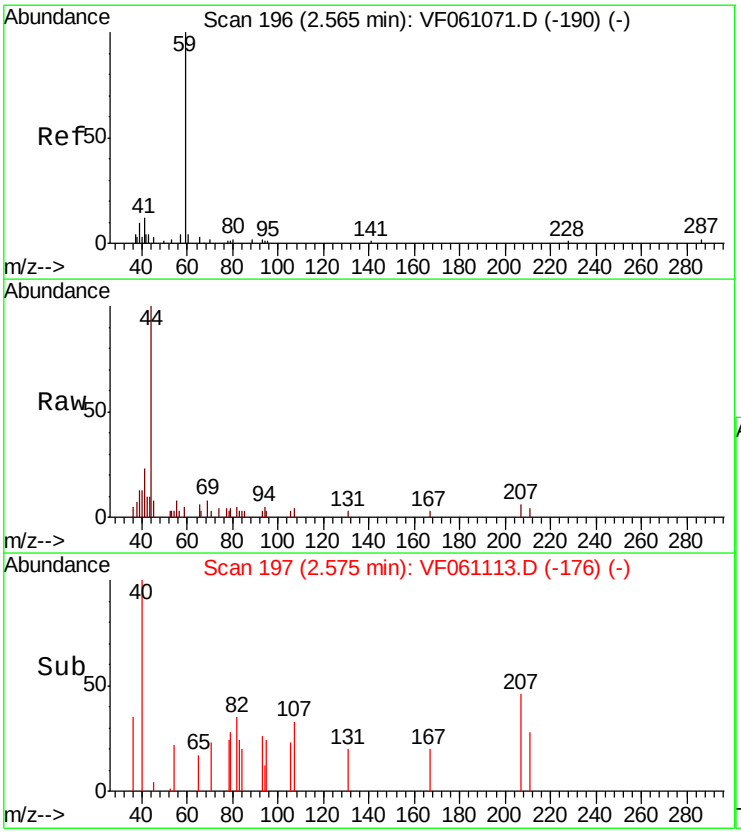
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 155288

Ion	Ratio	Lower	Upper
168	100		
99	65.0	54.4	81.6

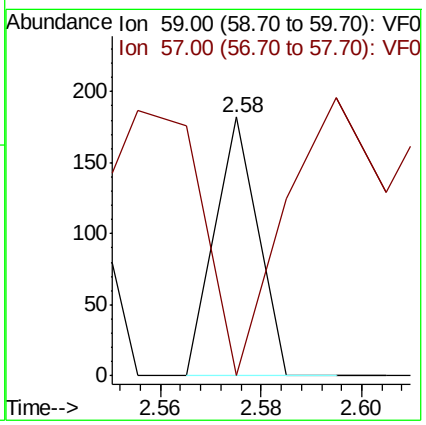


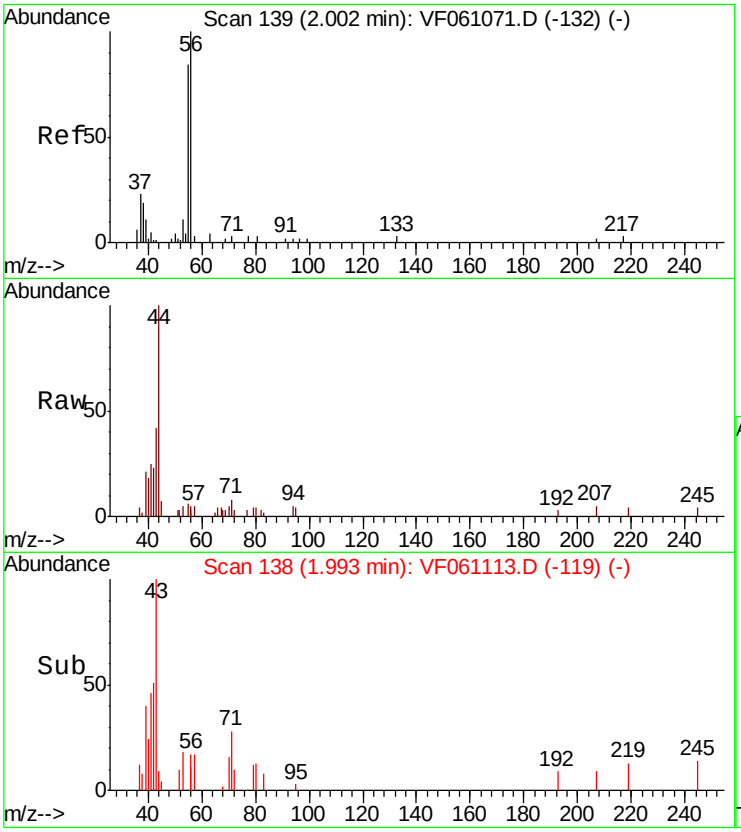


#11
Tert butyl alcohol
Concen: 1.340 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 59 Resp: 108

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.5	17.3#



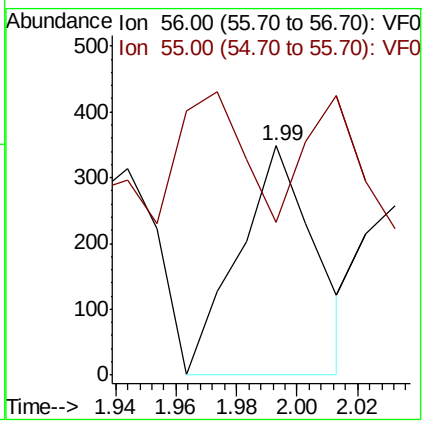


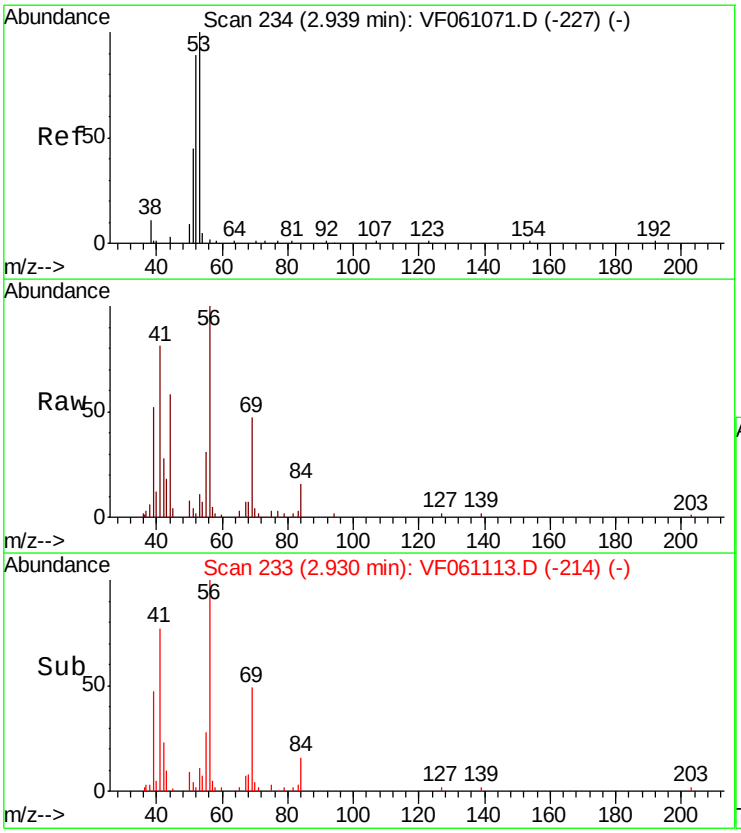
#13
Acrolein
Concen: 10.474 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 610

Ion	Ratio	Lower	Upper
56	100		
55	105.2	70.2	105.2

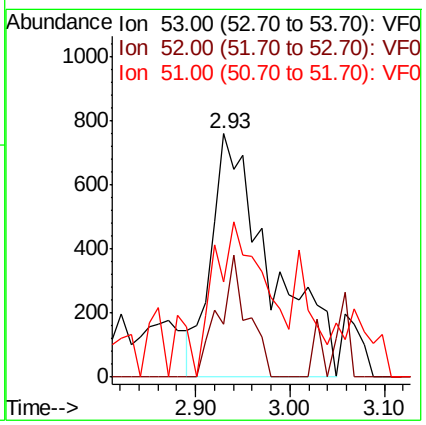


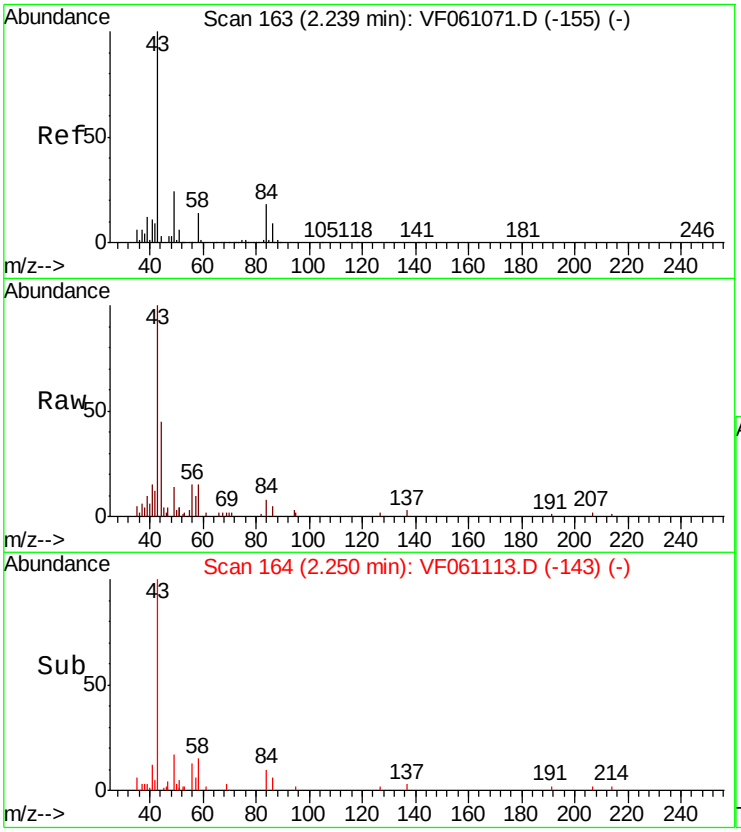


#15
Acrylonitrile
Concen: 17.787 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 53 Resp: 3315

Ion	Ratio	Lower	Upper
53	100		
52	21.7	71.3	106.9#
51	39.1	36.8	55.2



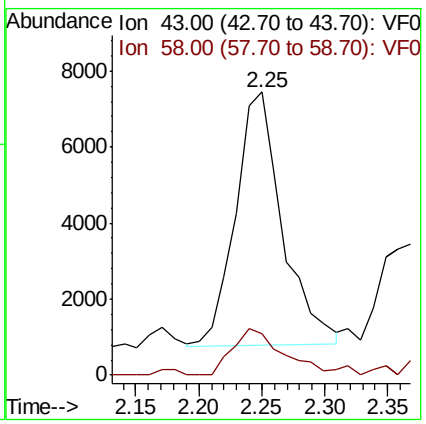


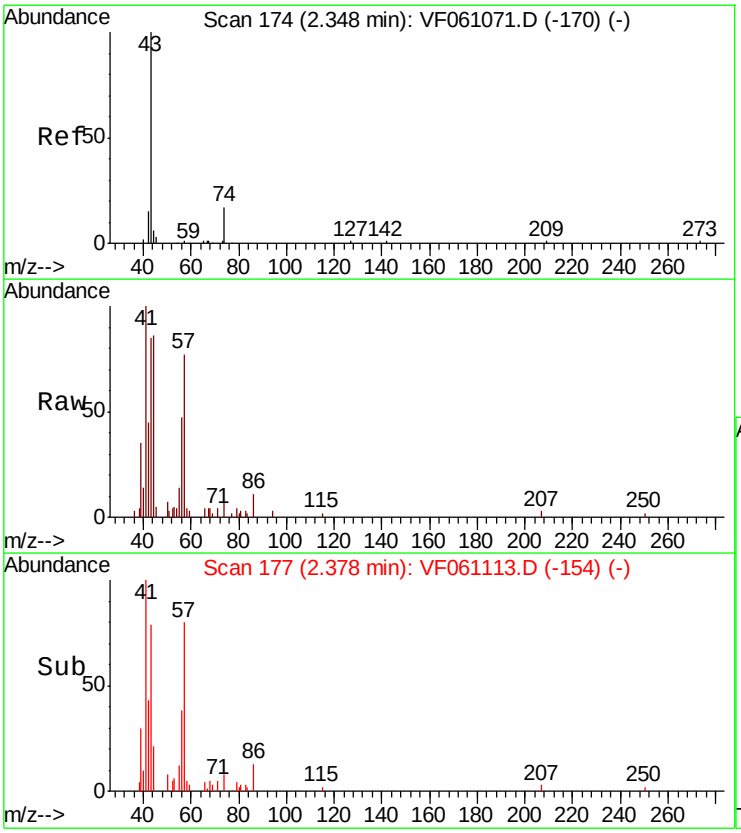
#16
Acetone
Concen: 43.238 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 17264

Ion	Ratio	Lower	Upper
43	100		
58	14.5	11.1	16.7

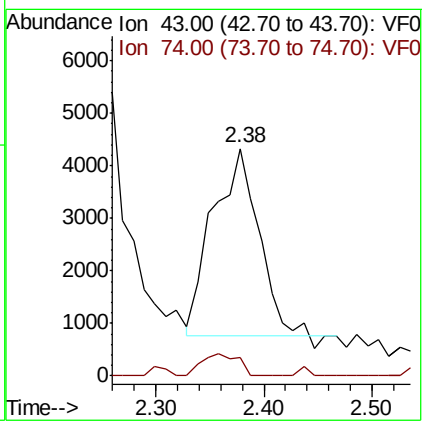


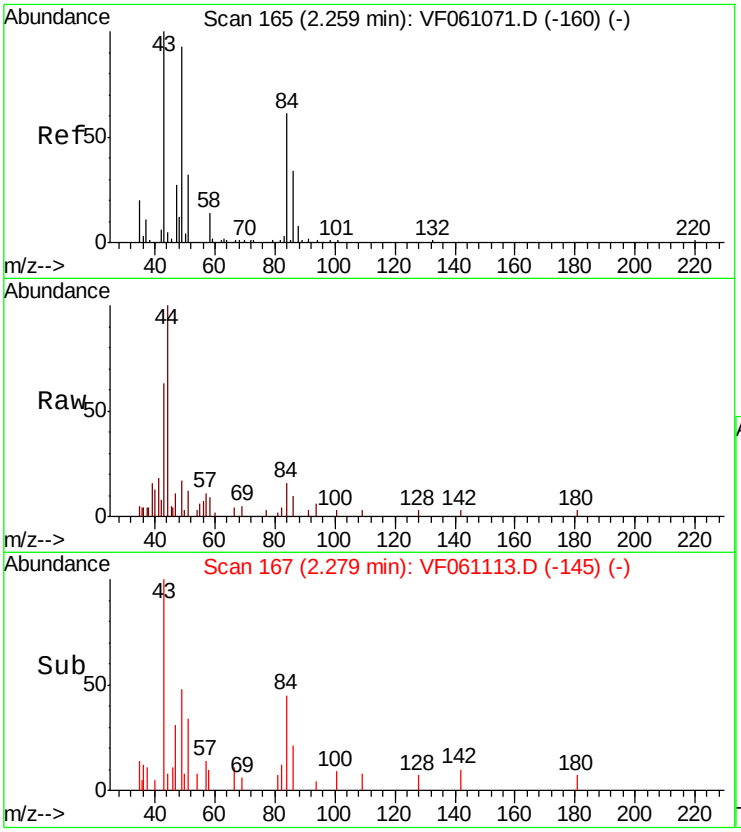


#18
Methyl Acetate
Concen: 12.747 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 10530

Ion	Ratio	Lower	Upper
43	100		
74	7.9	11.0	16.6#



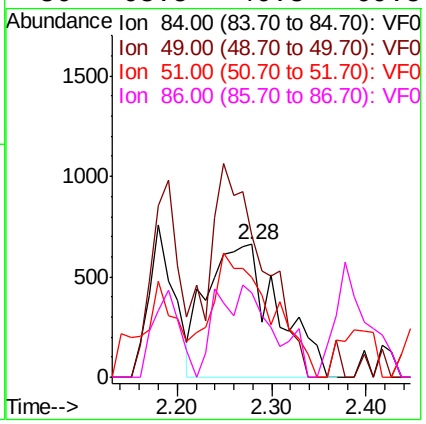


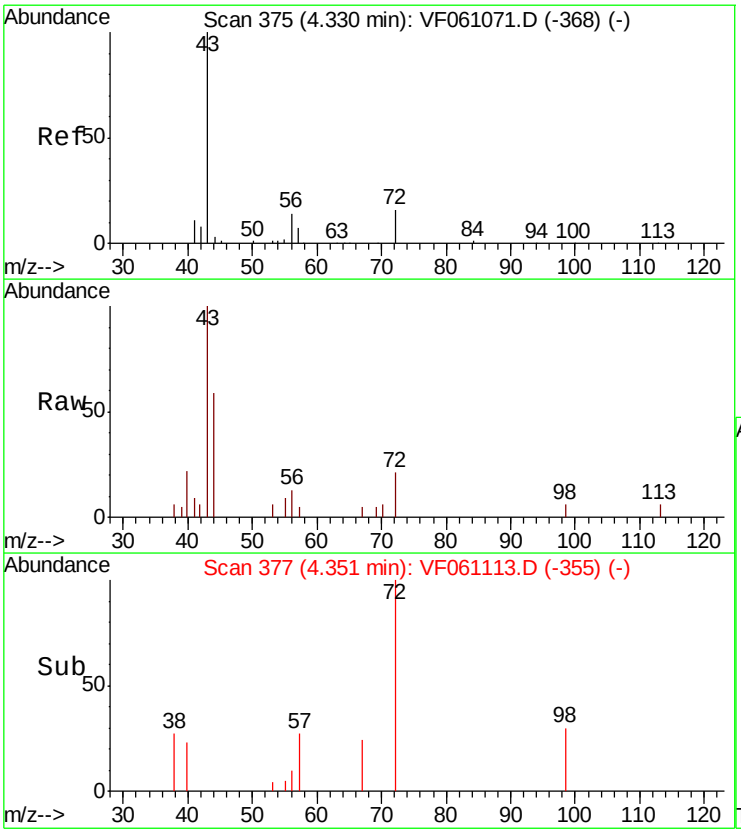
#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 3425

Ion	Ratio	Lower	Upper
84	100		
49	107.0	129.4	194.2#
51	75.0	44.0	66.0#
86	63.5	46.3	69.5

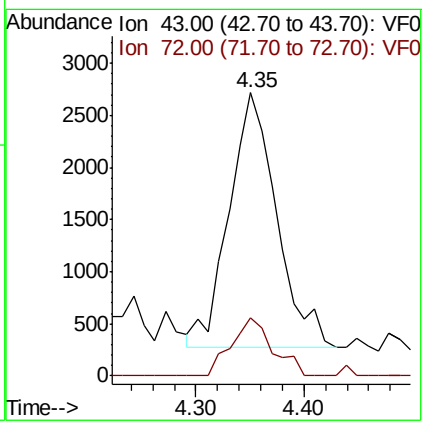


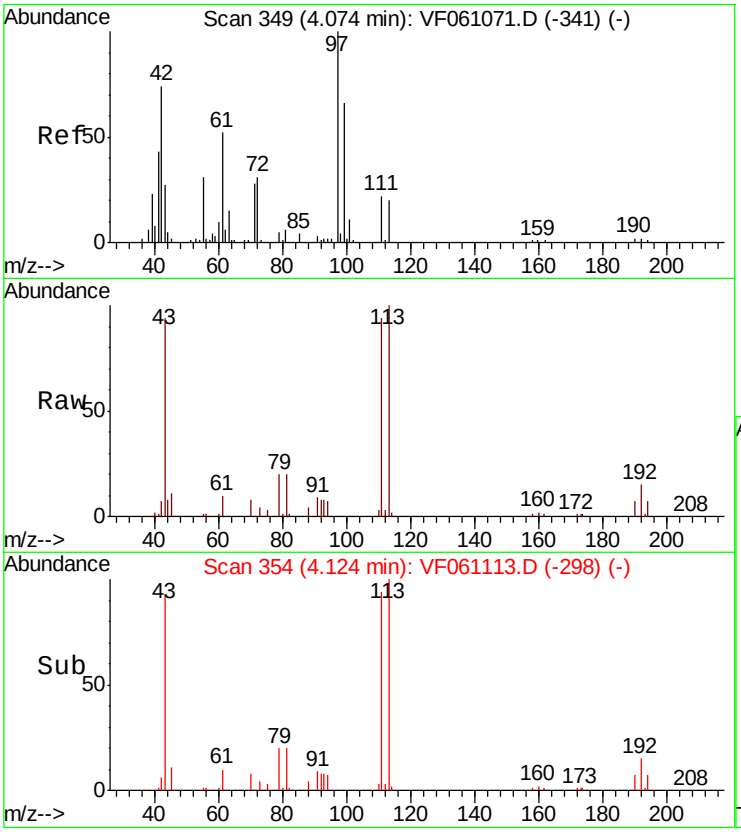


#25
2-Butanone
Concen: 11.582 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 7500

Ion	Ratio	Lower	Upper
43	100		
72	20.6	15.6	23.4



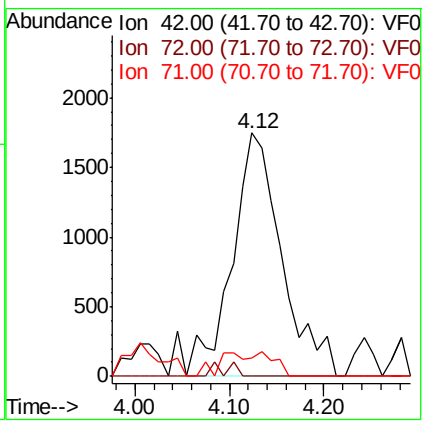


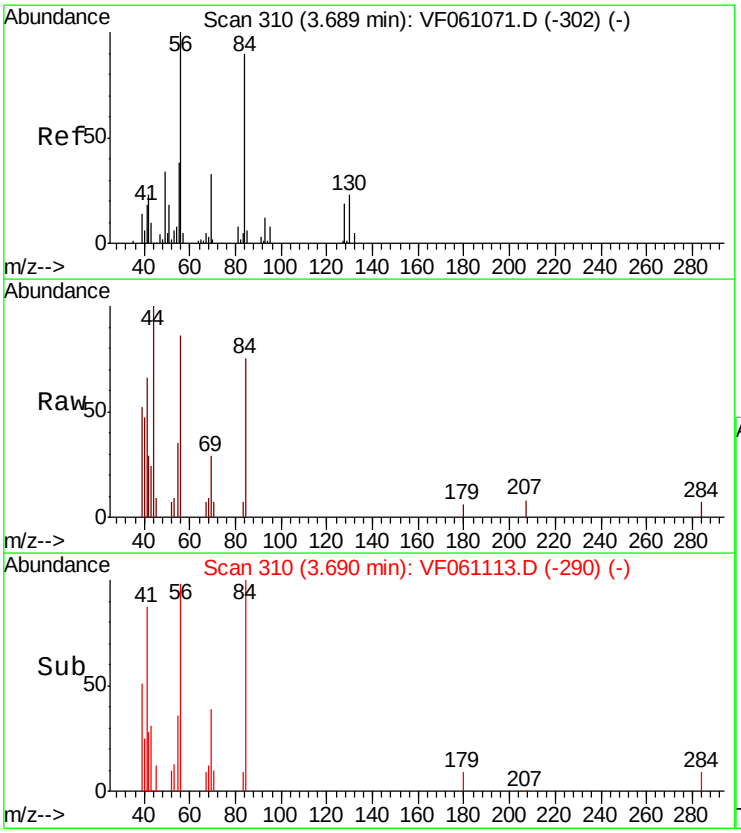
#29
Tetrahydrofuran
Concen: 24.165 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.05 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 6369

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	5.2	29.7	44.5#

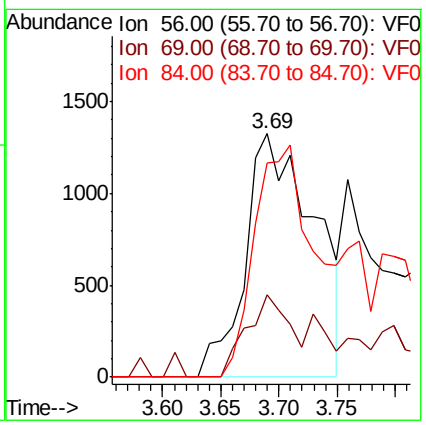


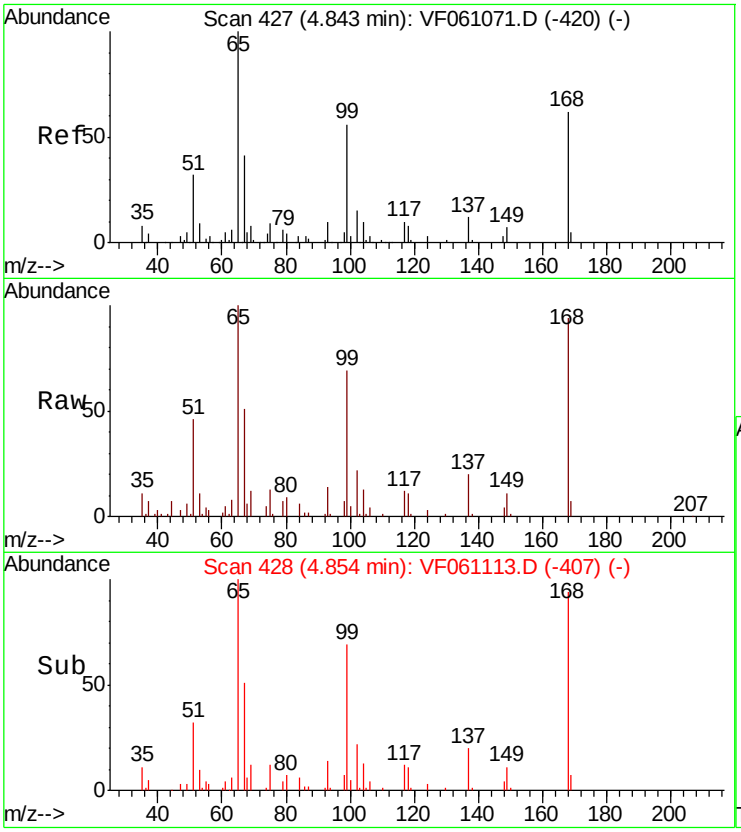


#31
Cyclohexane
Concen: 1.860 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 56 Resp: 5427

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.0	39.0
84	87.9	71.4	107.2



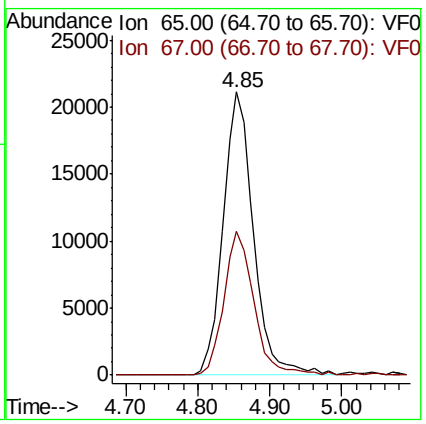


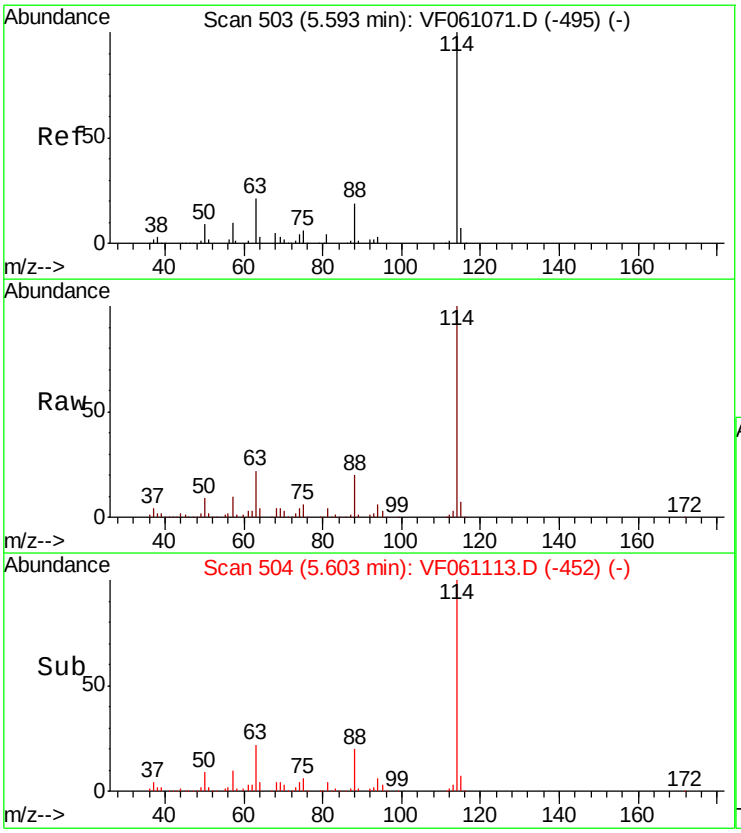
#33
1,2-Dichloroethane-d4
Concen: 30.825 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 61565

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	94.6

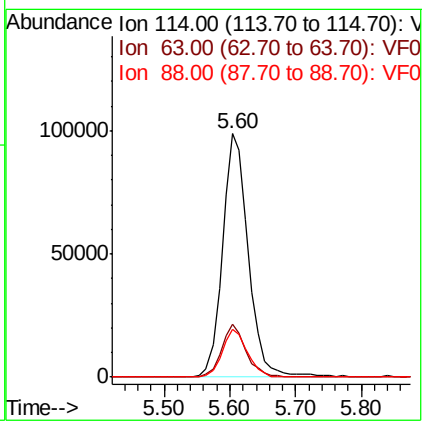


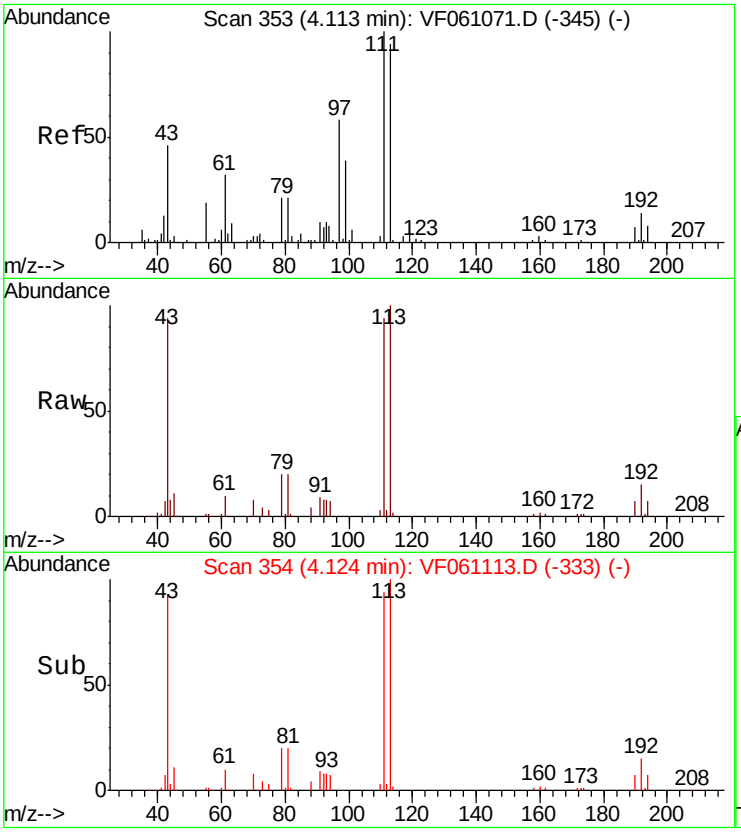


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:114 Resp: 269794

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.6
88	19.9	0.0	38.0



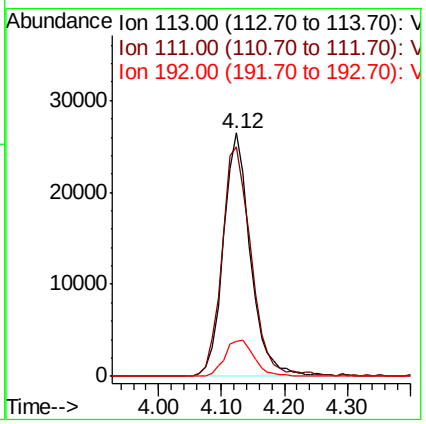


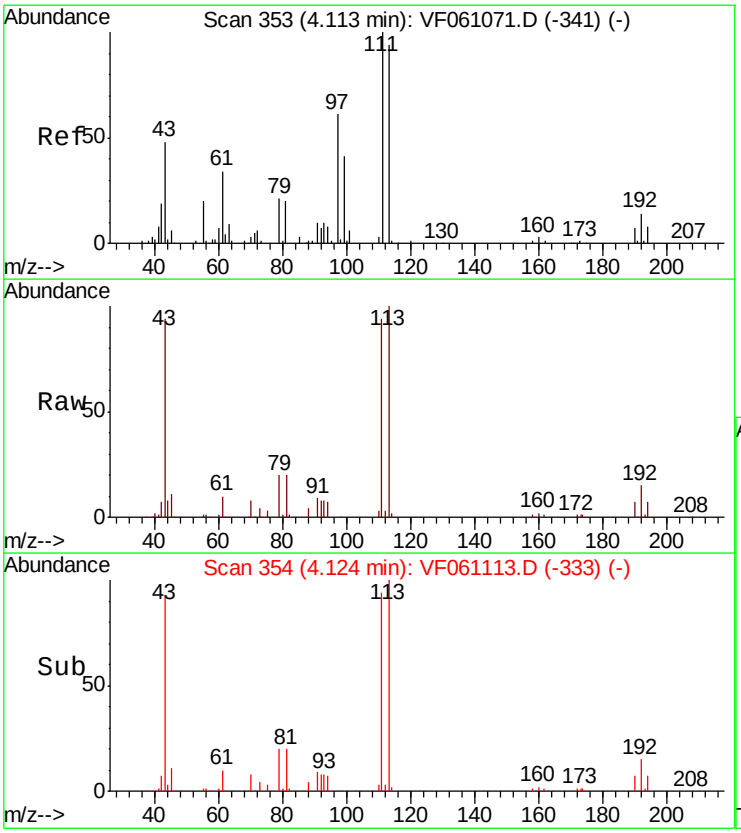
#35
Dibromofluoromethane
Concen: 36.417 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 78705

Ion	Ratio	Lower	Upper
113	100		
111	94.2	85.2	127.8
192	14.6	12.8	19.2

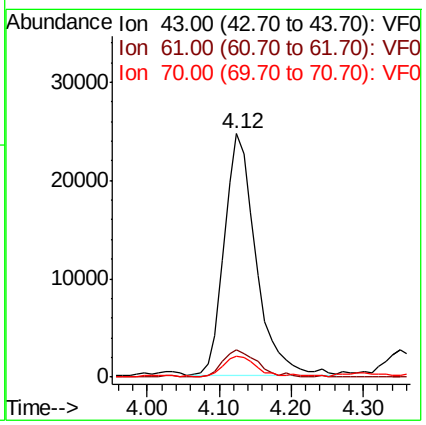


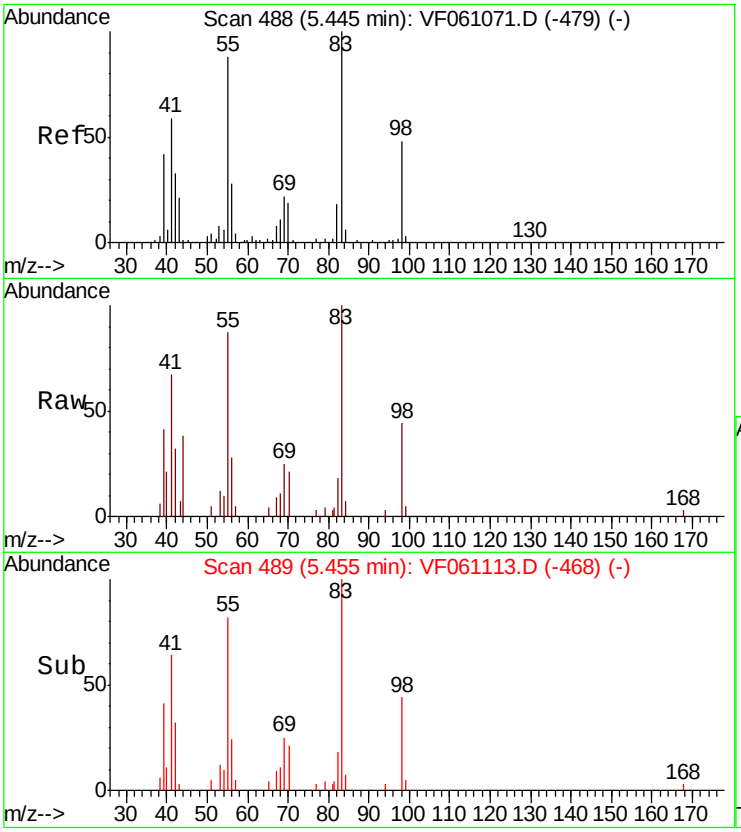


#37
Ethyl Acetate
Concen: 61.952 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 75174

Ion	Ratio	Lower	Upper
43	100		
61	11.2	56.6	84.8#
70	8.7	6.3	9.5



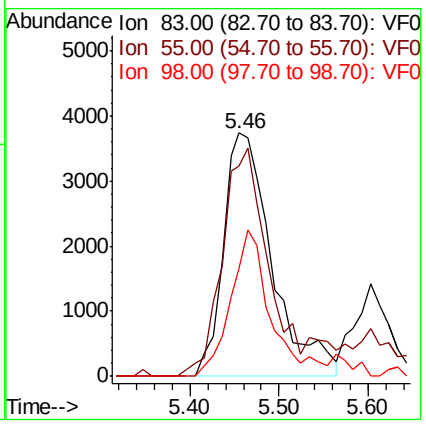


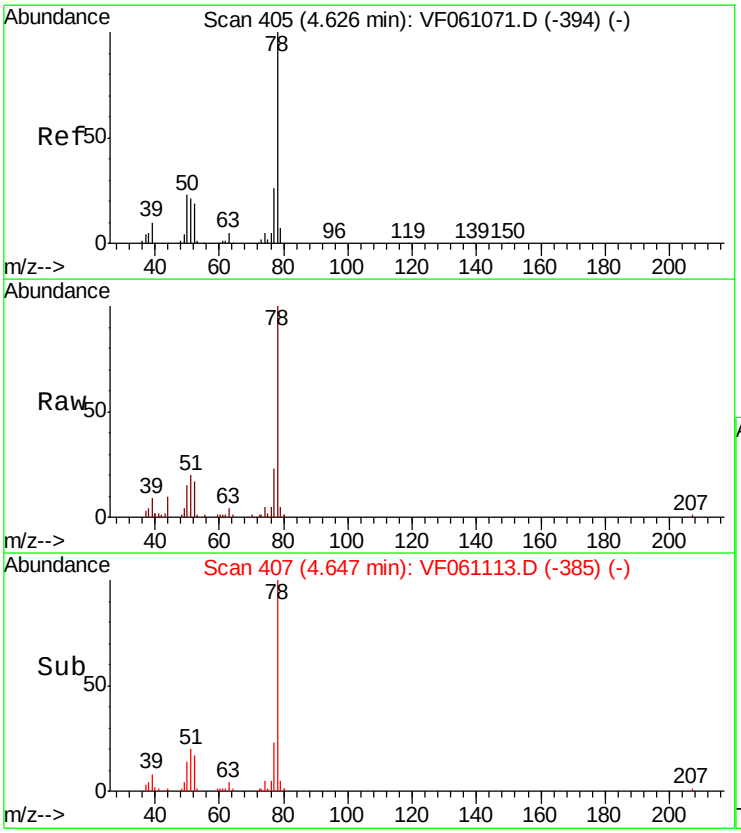
#39
Methylcyclohexane
Concen: 4.882 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 14263

Ion	Ratio	Lower	Upper
83	100		
55	86.5	70.6	105.8
98	44.3	38.5	57.7

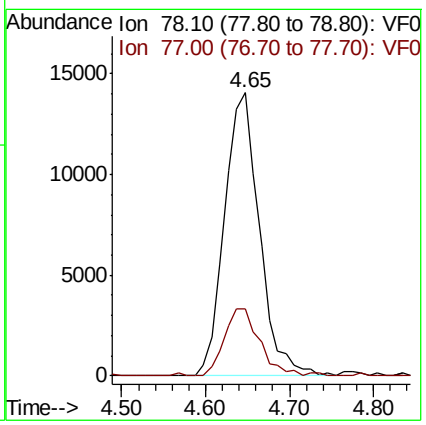


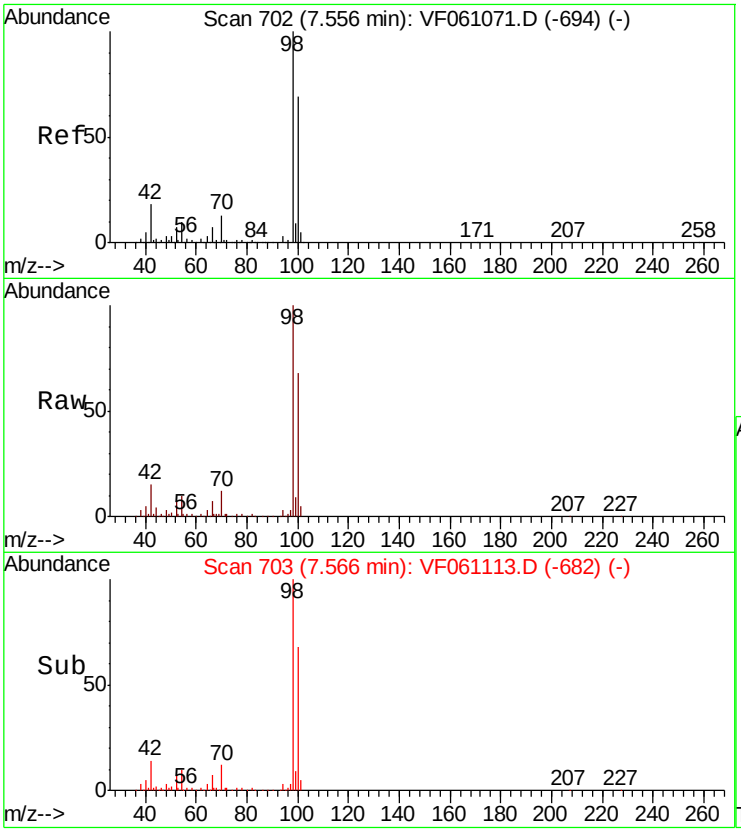


#40
Benzene
Concen: 5.783 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 78 Resp: 40497

Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.7	31.1



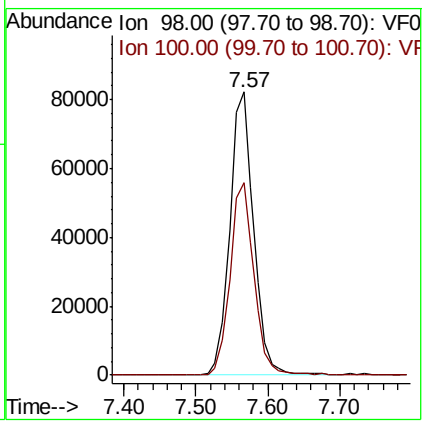


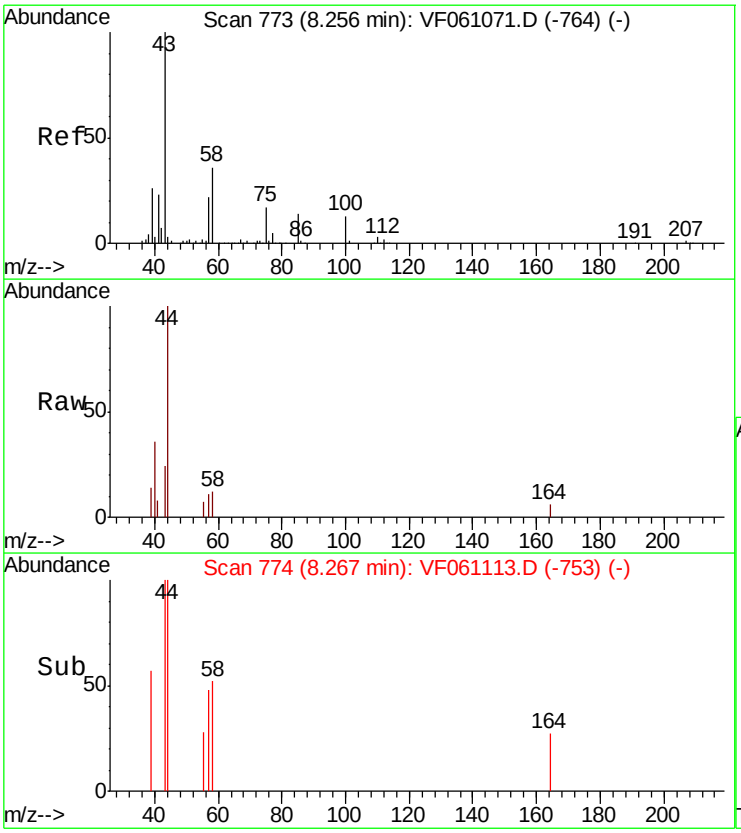
#50
Toluene-d8
Concen: 30.927 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 189416

Ion	Ratio	Lower	Upper
98	100		
100	68.1	55.3	82.9

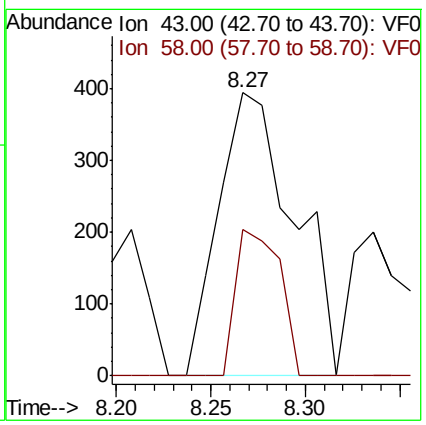


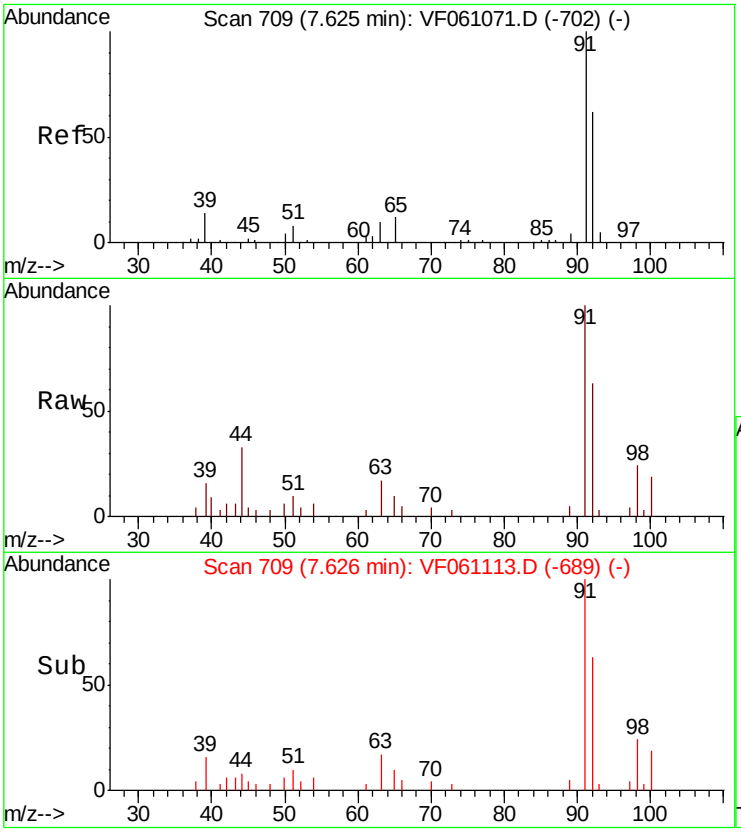


#51
4-Methyl-2-Pentanone
Concen: 1.013 ug/l
RT: 8.27 min Scan# 774
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 1092

Ion	Ratio	Lower	Upper
43	100		
58	51.8	29.1	43.7#



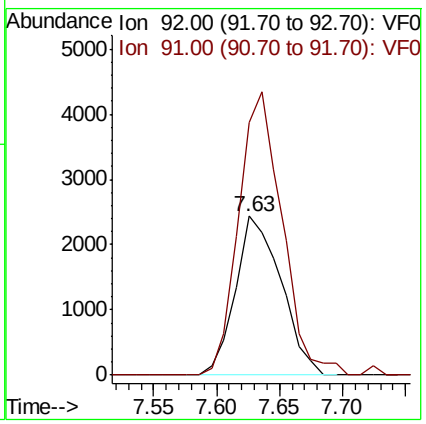


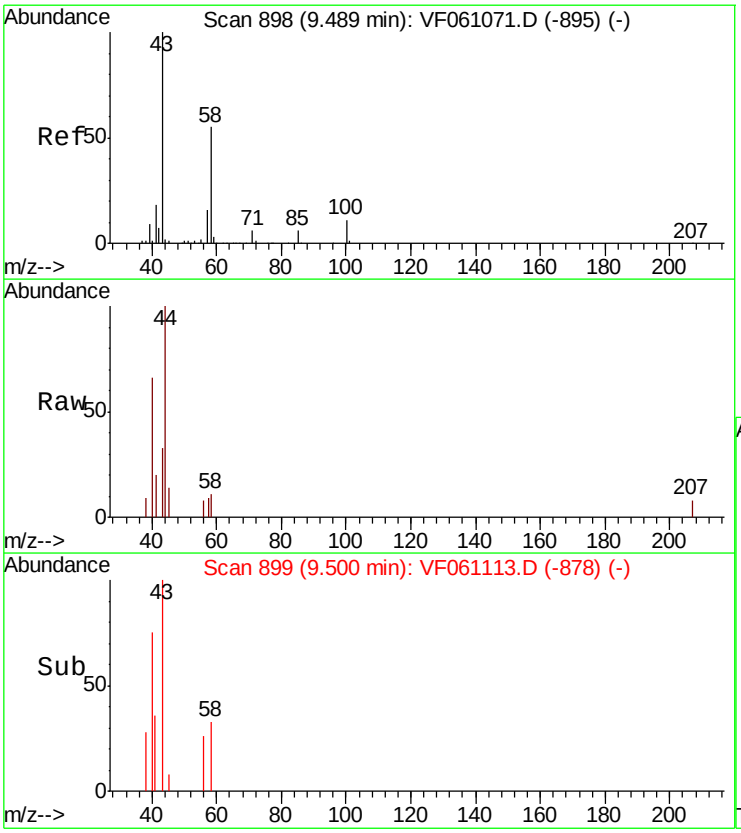
#52
Toluene
Concen: 1.315 ug/l
RT: 7.63 min Scan# 709
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 92 Resp: 6097

Ion	Ratio	Lower	Upper
92	100		
91	159.1	128.8	193.2

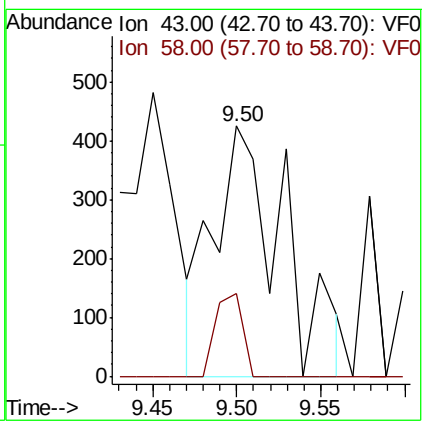


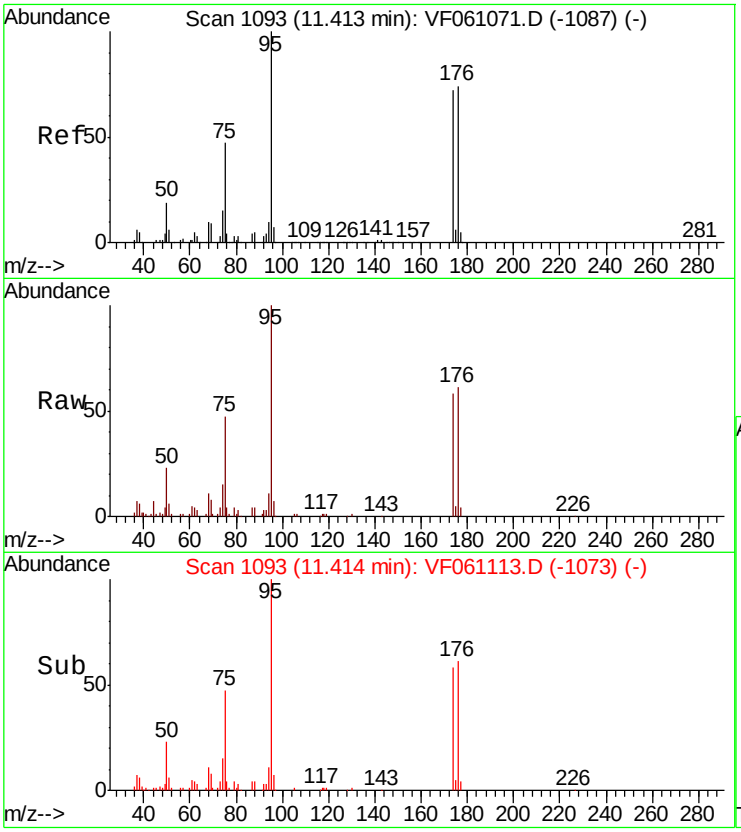


#59
2-Hexanone
Concen: 1.577 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 1230

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.1	75.2



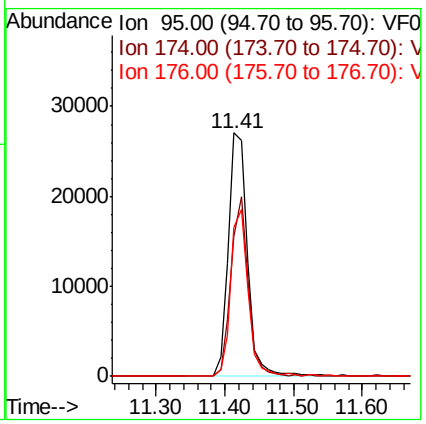


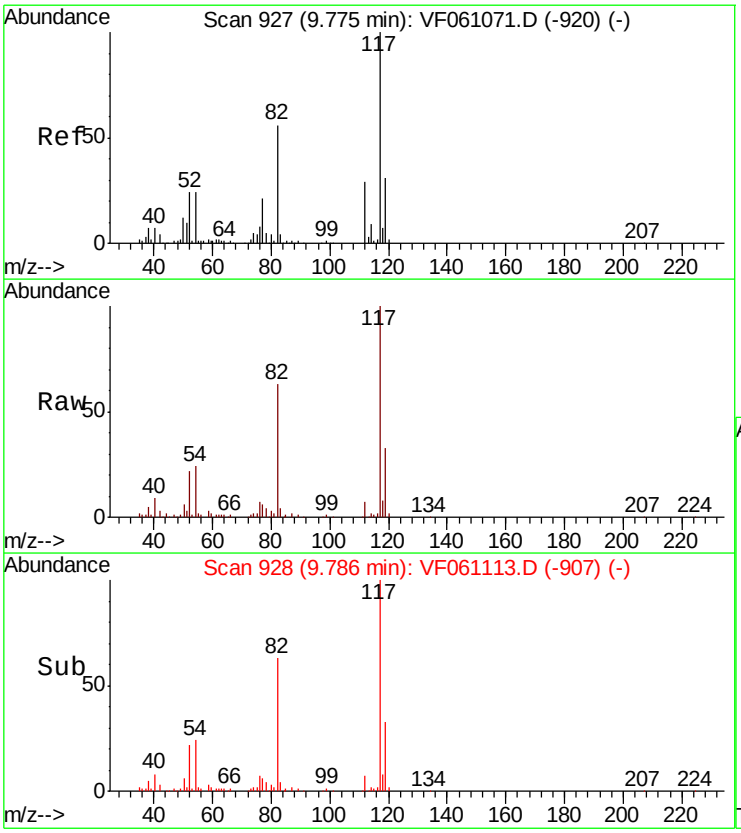
#62
4-Bromofluorobenzene
Concen: 18.472 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 52156

Ion	Ratio	Lower	Upper
95	100		
174	57.7	0.0	143.8
176	61.1	0.0	147.6

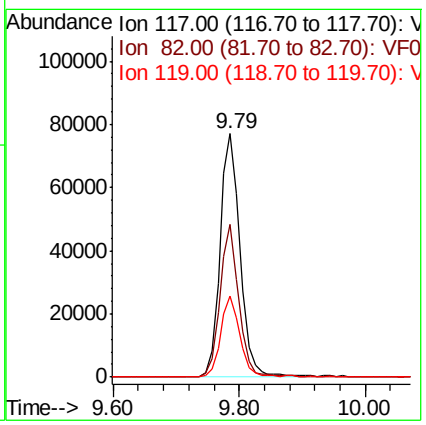


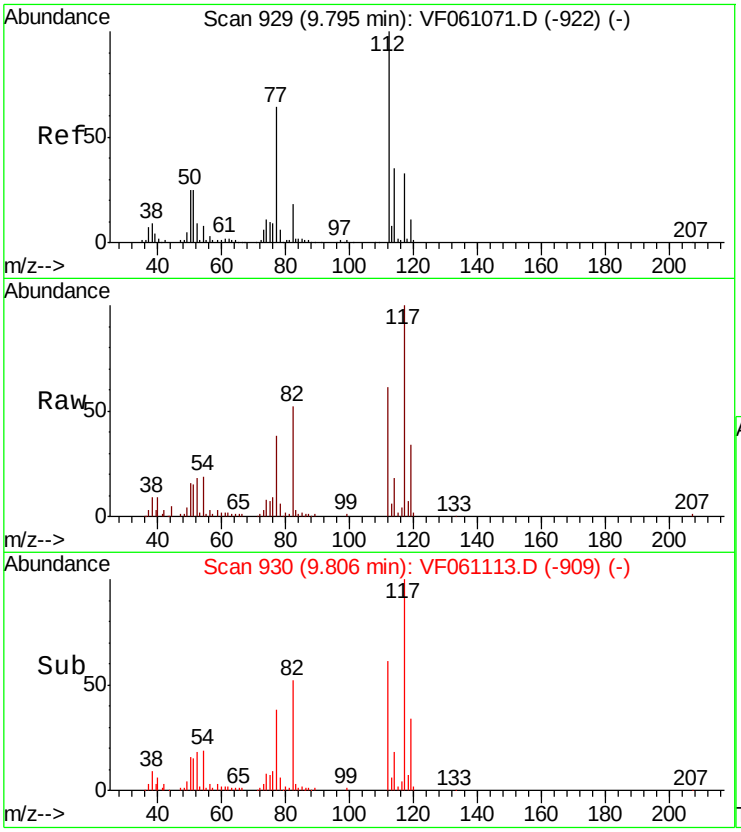


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:117 Resp: 170693

Ion	Ratio	Lower	Upper
117	100		
82	63.0	45.0	67.4
119	33.4	24.8	37.2



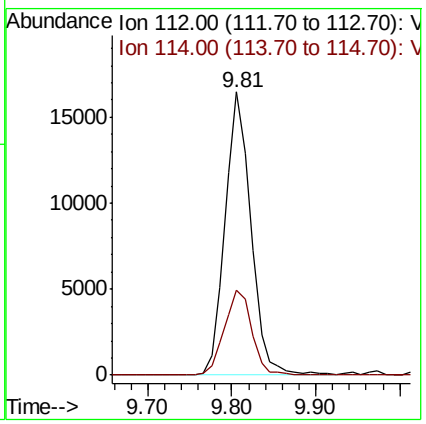


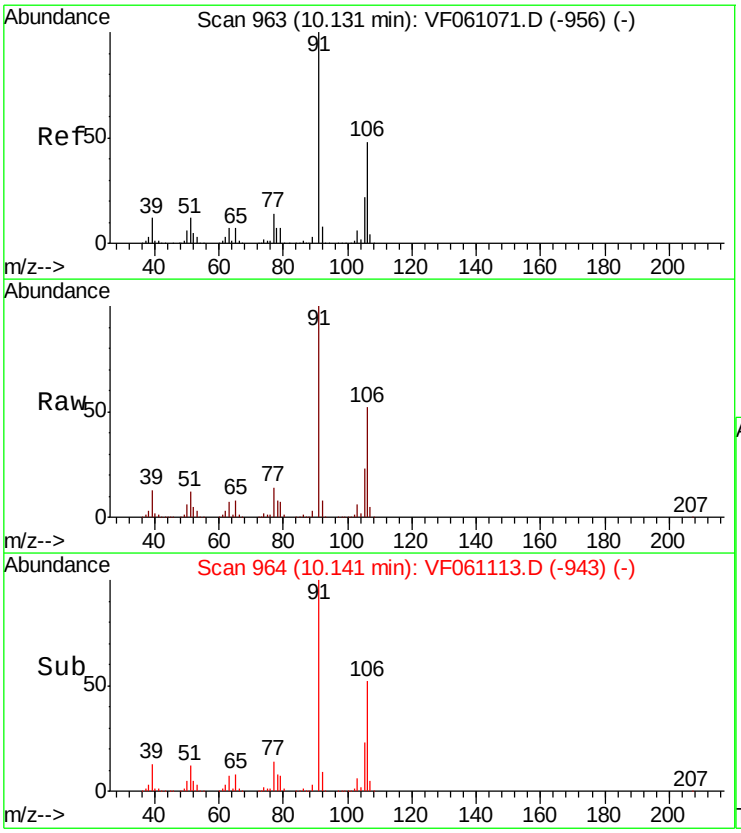
#65
Chlorobenzene
Concen: 9.954 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:112 Resp: 35101

Ion	Ratio	Lower	Upper
112	100		
114	30.0	27.8	41.6

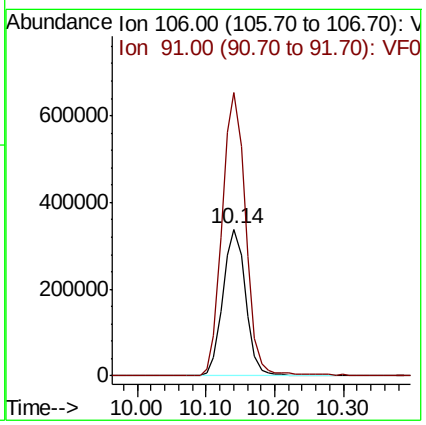


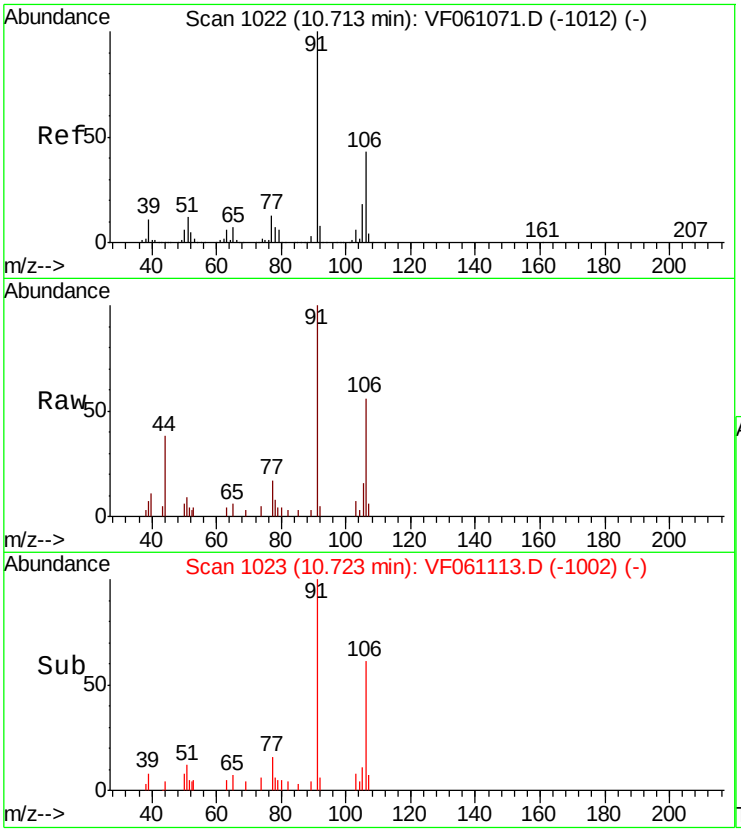


#68
m/p-Xylenes
Concen: 343.976 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:106 Resp: 777673

Ion	Ratio	Lower	Upper
106	100		
91	192.5	168.2	252.2



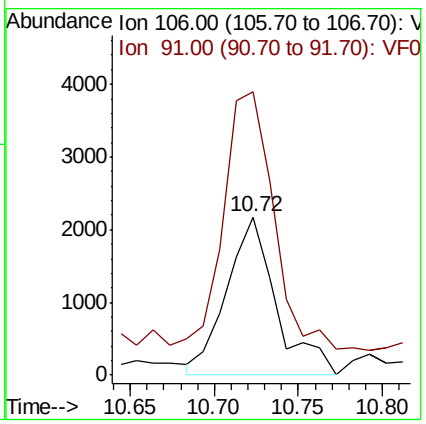


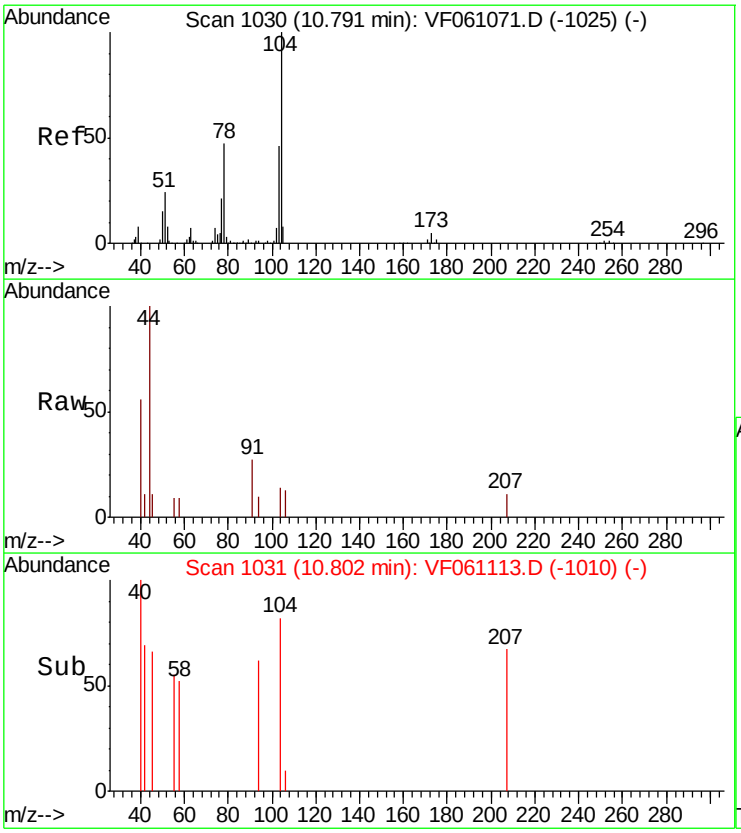
#69
o-Xylene
Concen: 1.774 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 4448

Ion	Ratio	Lower	Upper
106	100		
91	179.1	115.9	347.7

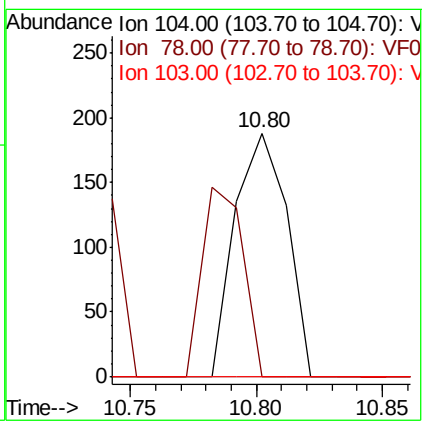


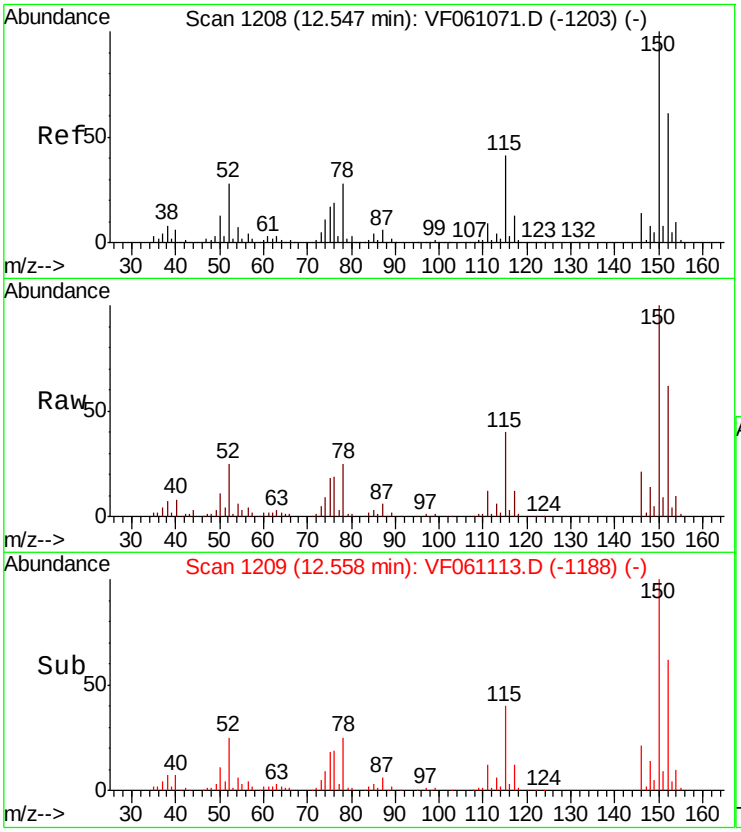


#70
Styrene
Concen: Below Cal
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:104 Resp: 269

Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.4	57.6#
103	0.0	37.0	55.6#



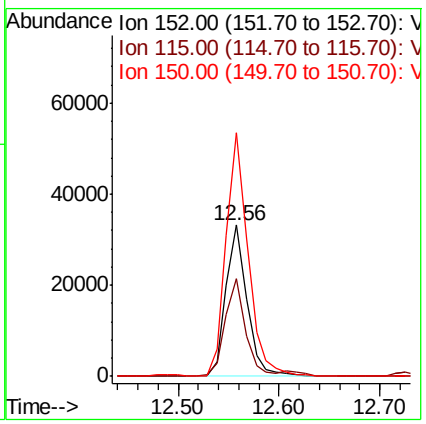


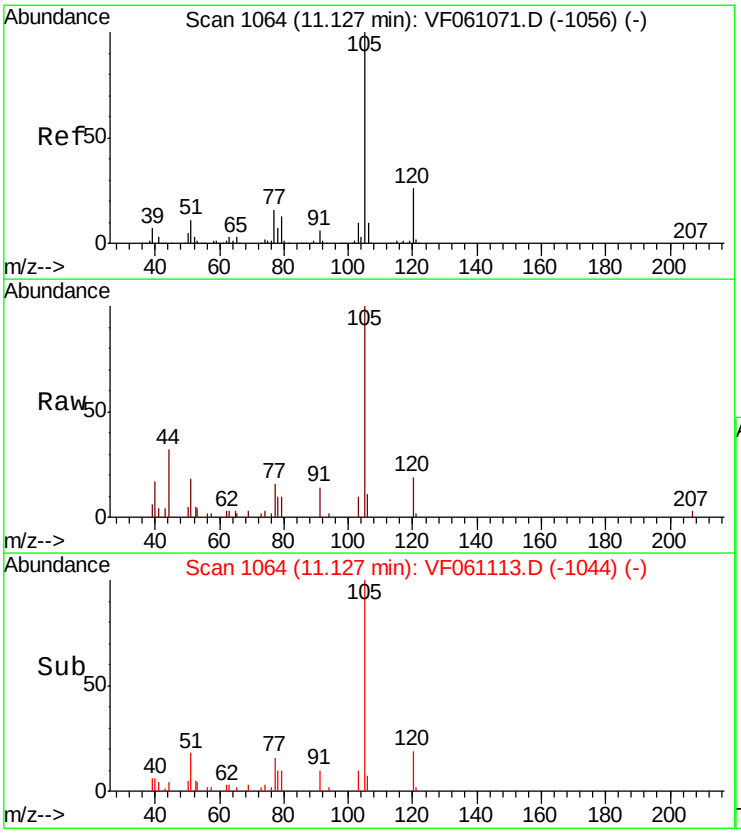
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 48646

Ion	Ratio	Lower	Upper
152	100		
115	64.2	33.3	99.9
150	160.9	0.0	328.2

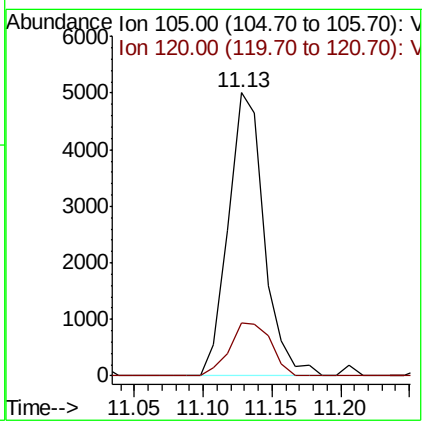


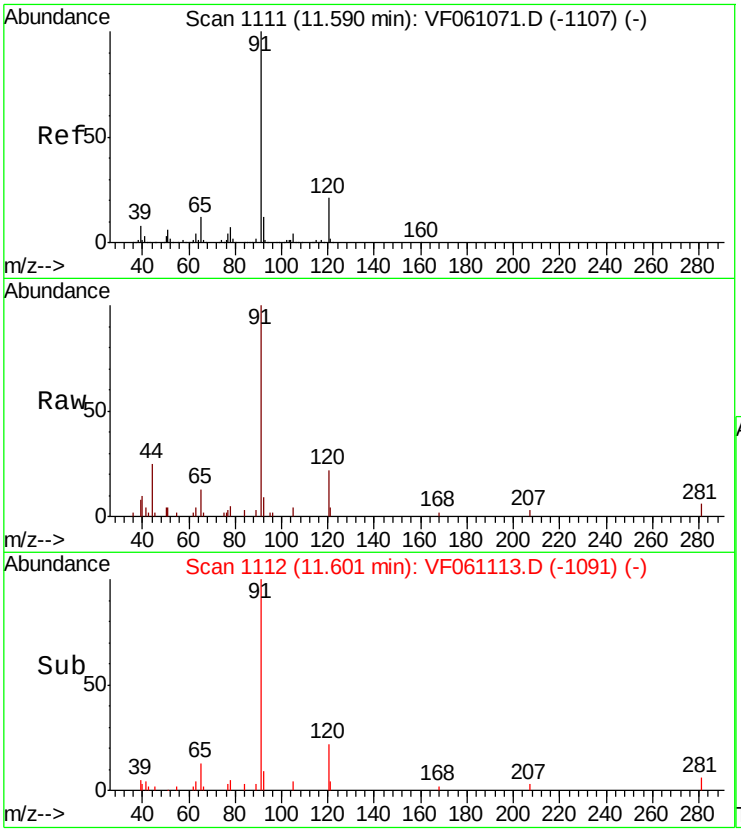


#73
Isopropylbenzene
Concen: 2.167 ug/l
RT: 11.13 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:105 Resp: 9083

Ion	Ratio	Lower	Upper
105	100		
120	18.8	13.0	39.0



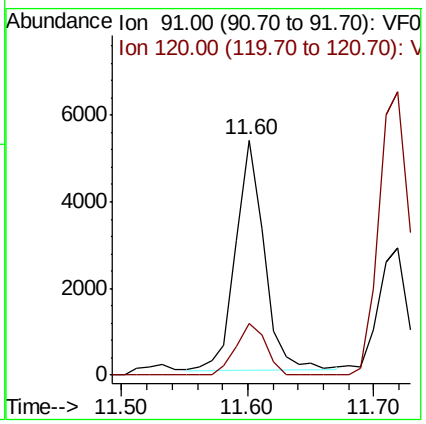


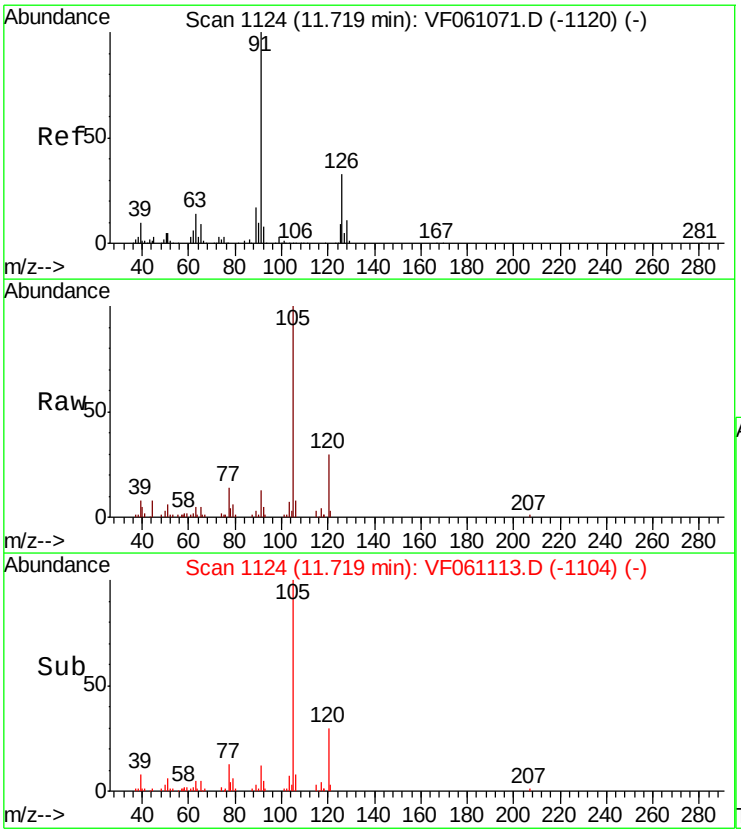
#78
n-propylbenzene
Concen: 1.289 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 8286

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.4	31.2

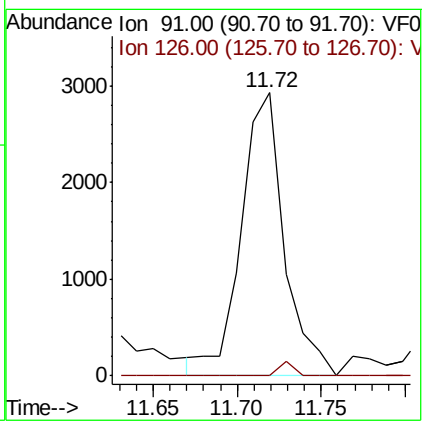


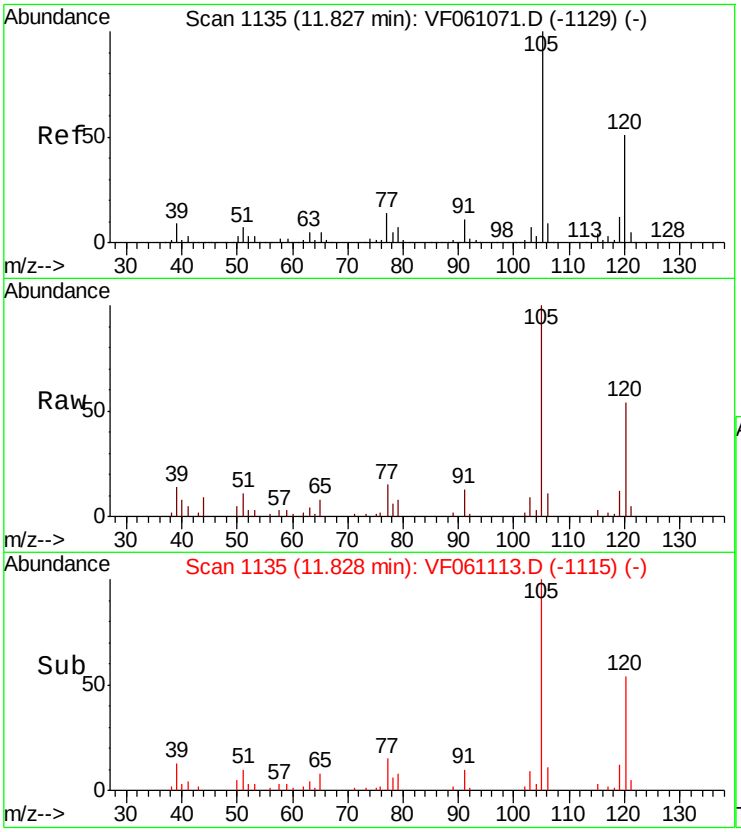


#79
2-Chlorotoluene
Concen: 1.805 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 91 Resp: 5191

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.4	49.1#



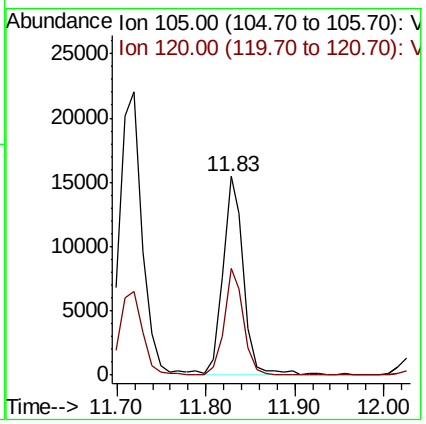


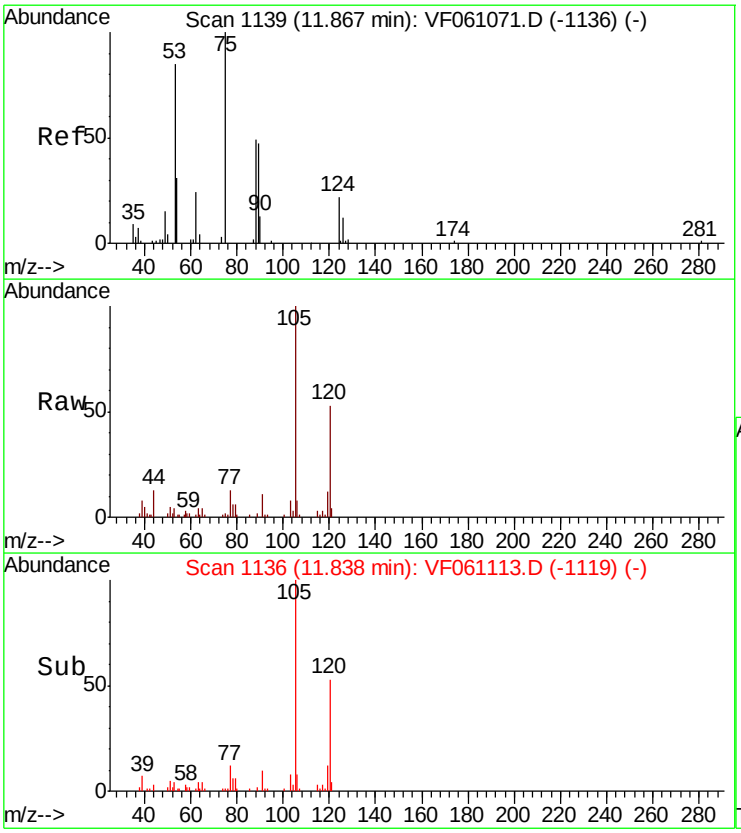
#80
1,3,5-Trimethylbenzene
Concen: 7.376 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 25462

Ion	Ratio	Lower	Upper
105	100		
120	53.5	25.4	76.4

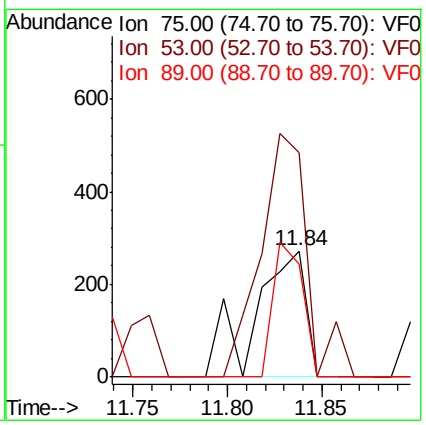


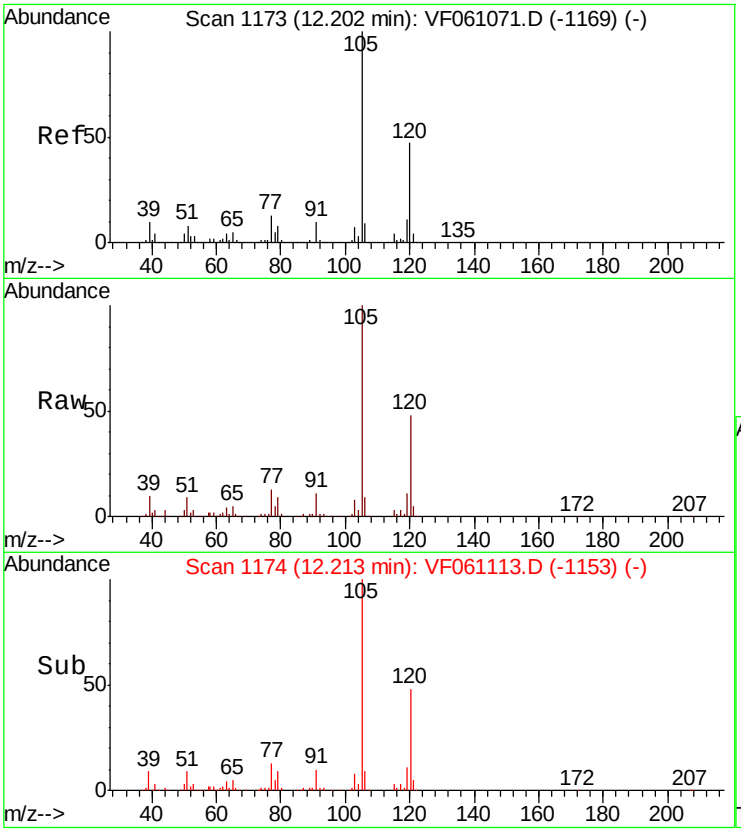


#81
trans-1,4-Dichloro-2-butene
Concen: 2.297 ug/l
RT: 11.84 min Scan# 1136
Delta R.T. -0.03 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 75 Resp: 511

Ion	Ratio	Lower	Upper
75	100		
53	177.9	74.1	111.1#
89	89.3	42.6	64.0#



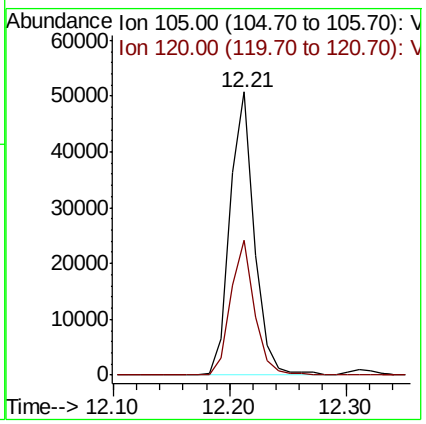


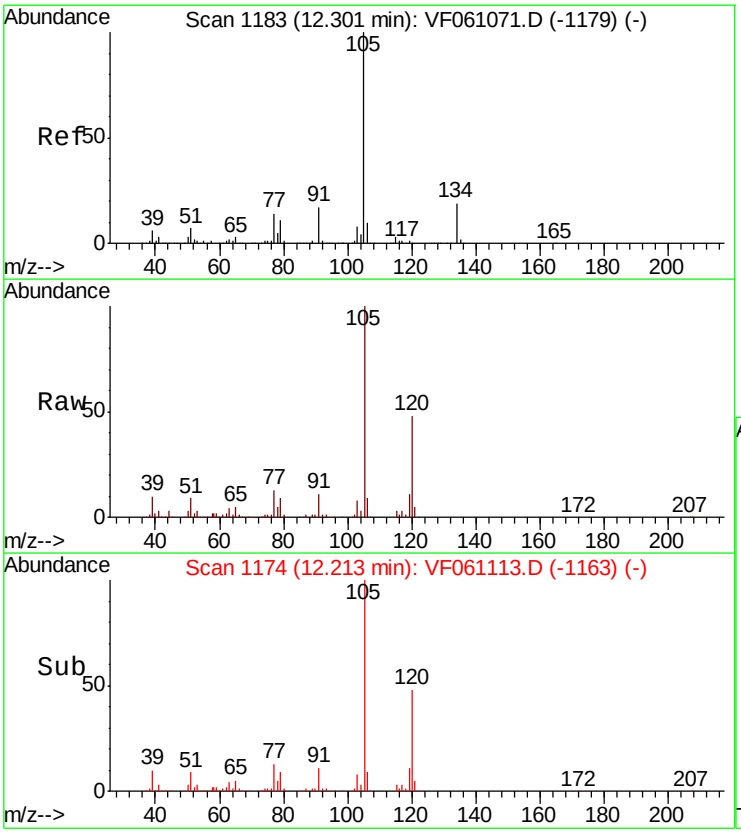
#84
1,2,4-Trimethylbenzene
Concen: 21.286 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 73271

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	71.0

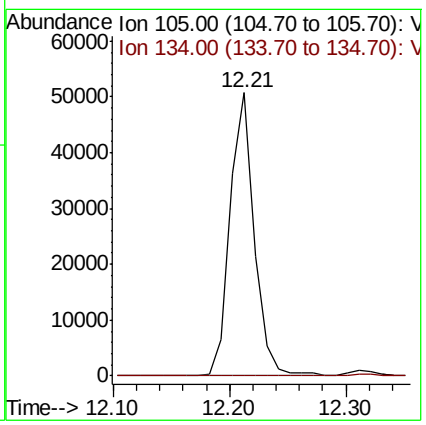


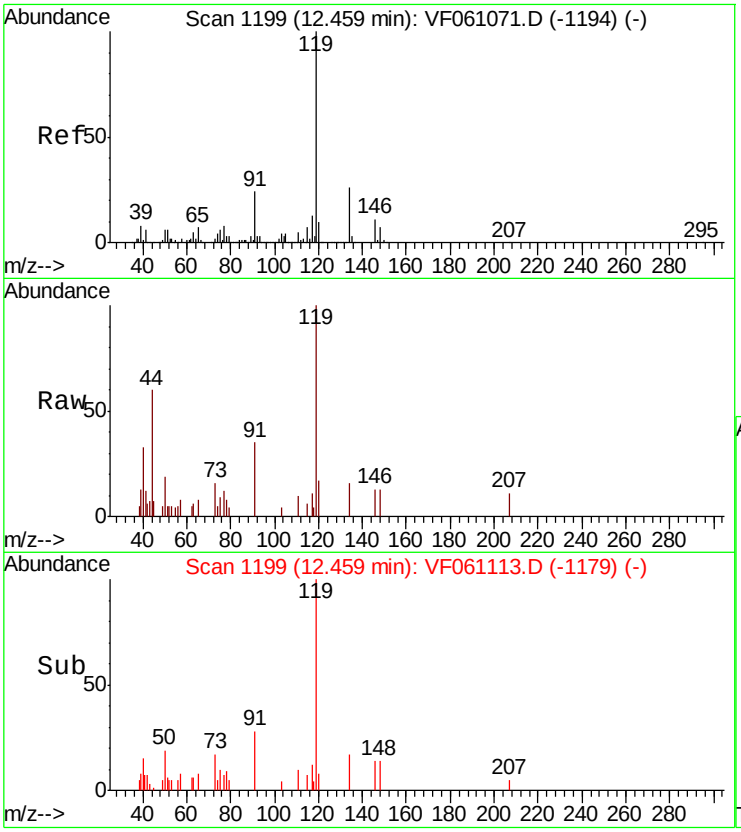


#85
sec-Butylbenzene
Concen: 15.807 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.09 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:105 Resp: 73271

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.4	28.2#



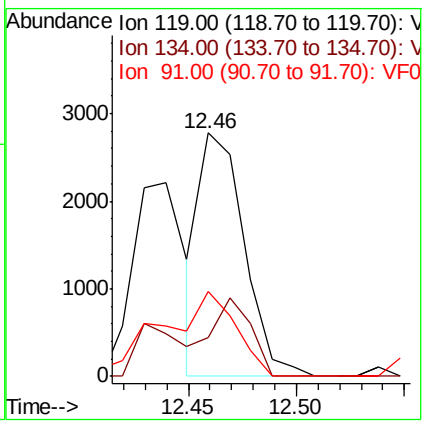


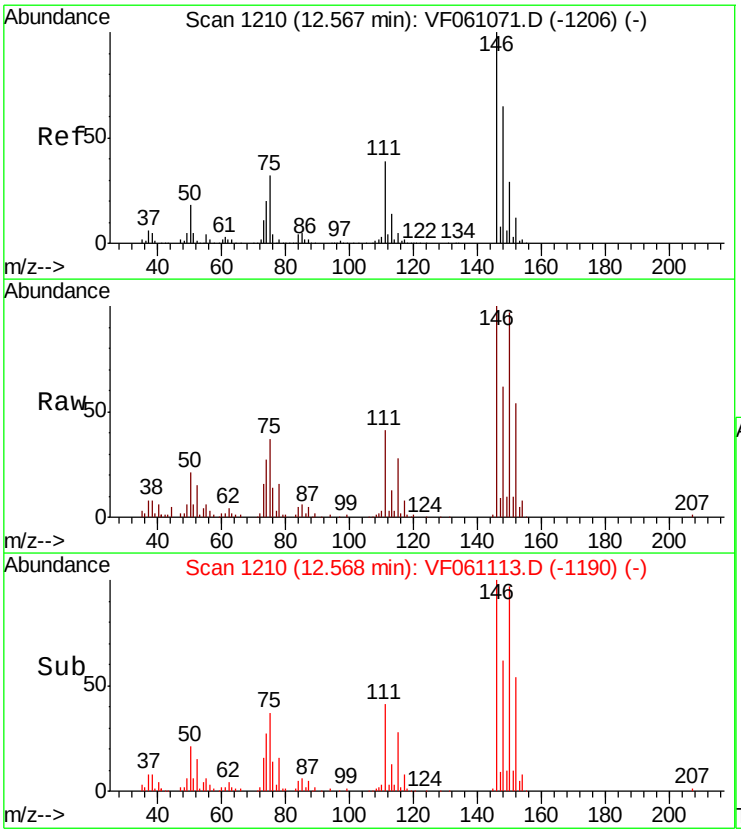
#86
p-Isopropyltoluene
Concen: 1.032 ug/l
RT: 12.46 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 3969

Ion	Ratio	Lower	Upper
119	100		
134	15.8	12.8	38.4
91	34.7	12.2	36.6

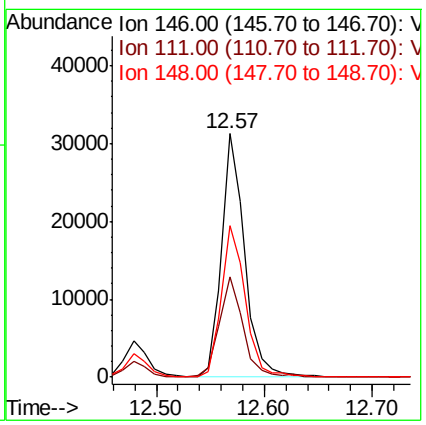


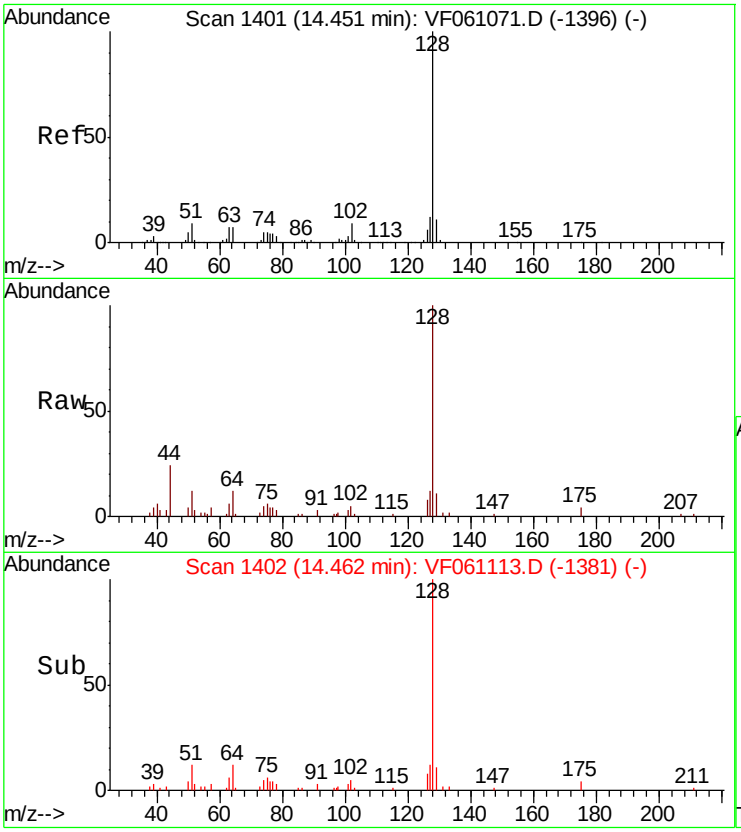


#88
1,4-Dichlorobenzene
Concen: 28.161 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:146 Resp: 46665

Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.4	58.4
148	62.4	32.4	97.0





#95
Naphthalene
Concen: 6.593 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 13774

Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.4	14.2
129	11.5	8.8	13.2