Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062068.D
Acq On : 21 Mar 2019 18:50
Operator : VA/AP
Sample : K1694-01
Misc : 7.01g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EO-02-032019-A

Quant Time: Mar 22 08:09:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.89	168	260694	50.00	ug/l		0.02
34) 1,4-Difluorobenzene	5.61	114	416815	50.00	ug/l		0.01
63) Chlorobenzene-d5	9.79	117	273312	50.00	ug/l		0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	96159	50.00	ug/l		0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.86	65	102628	54.69	ug/l		0.02
Spiked Amount 50.000			Recovery = 109.38%				
35) Dibromofluoromethane	4.13	113	158299	56.56	ug/l		0.02
Spiked Amount 50.000			Recovery = 113.12%				
50) Toluene-d8	7.57	98	288758	35.29	ug/l		0.02
Spiked Amount 50.000			Recovery = 70.58%				
62) 4-Bromofluorobenzene	11.42	95	110781	34.08	ug/l		0.01
Spiked Amount 50.000			Recovery = 68.16%				
Target Compounds							Qvalue
13) Acrolein	2.03	56	464	3.743	ug/l		90
15) Acrylonitrile	2.95	53	461	1.320	ug/l	#	80
16) Acetone	2.25	43	17545	41.636	ug/l	#	89
20) Methylene Chloride	2.19	84	4899	2.228	ug/l		92
25) 2-Butanone	4.35	43	1984	2.377	ug/l	#	51
49) 1,4-Dioxane	6.92	88	68	5.915	ug/l	#	15
51) 4-Methyl-2-Pentanone	8.29	43	4209	2.964	ug/l	#	36
52) Toluene	7.64	92	1971532	323.520	ug/l		83
56) Ethyl methacrylate	8.64	69	10094	5.221	ug/l	#	69
59) 2-Hexanone	9.52	43	1153	1.122	ug/l	#	23
67) Ethyl Benzene	9.91	91	24266	2.785	ug/l	#	85
68) m/p-Xylenes	10.15	106	34274	10.459	ug/l		90
69) o-Xylene	10.73	106	36724	10.473	ug/l		95
73) Isopropylbenzene	11.13	105	17717	2.667	ug/l		91
74) N-amyl acetate	11.28	43	31206	20.501	ug/l	#	26
75) 1,1,2,2-Tetrachloroethane	11.68	83	8249	7.523	ug/l	#	1
76) 1,2,3-Trichloropropane	11.83	75	956	1.247	ug/l	#	1
78) n-propylbenzene	11.61	91	55420	7.255	ug/l		96
79) 2-Chlorotoluene	11.72	91	23039	5.343	ug/l	#	40
80) 1,3,5-Trimethylbenzene	11.83	105	120828	22.516	ug/l		99
82) 4-Chlorotoluene	11.83	91	12123	2.780	ug/l	#	39
84) 1,2,4-Trimethylbenzene	12.22	105	232667	43.286	ug/l		95
85) sec-Butylbenzene	12.32	105	26057	3.436	ug/l	#	76
86) p-Isopropyltoluene	12.43	119	66428	10.499	ug/l		97
89) n-Butylbenzene	12.85	91	41746	7.022	ug/l	#	81
90) Hexachloroethane	12.94	117	2024	1.402	ug/l	#	18
95) Naphthalene	14.47	128	43274	12.338	ug/l	#	81

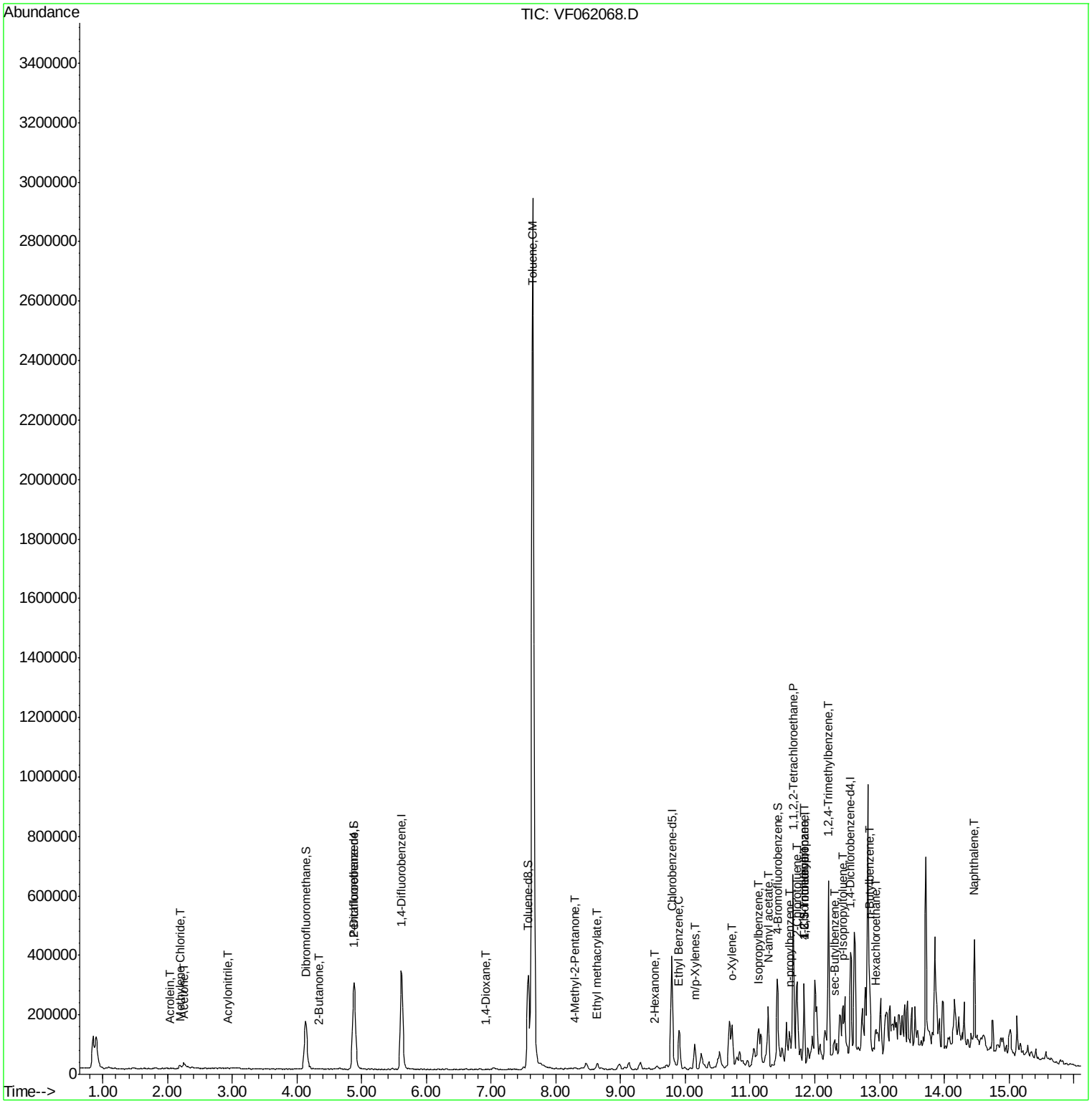
(#) = qualifier out of range (m) = manual integration (+) = signals summed

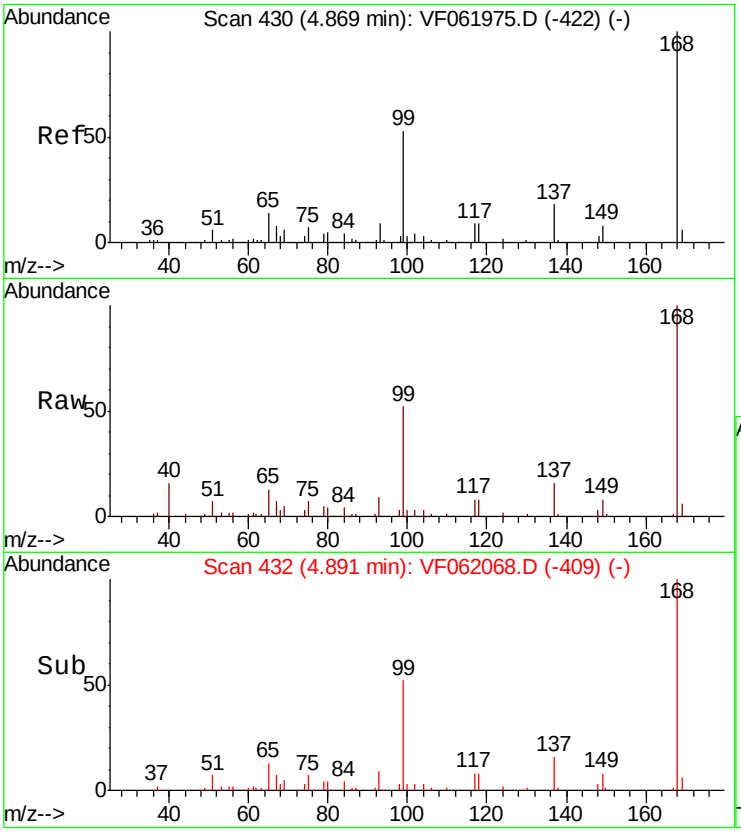
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062068.D
Acq On : 21 Mar 2019 18:50
Operator : VA/AP
Sample : K1694-01
Misc : 7.01g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Quant Time: Mar 22 08:09:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration



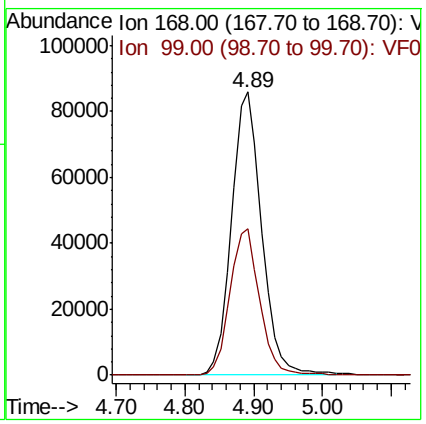


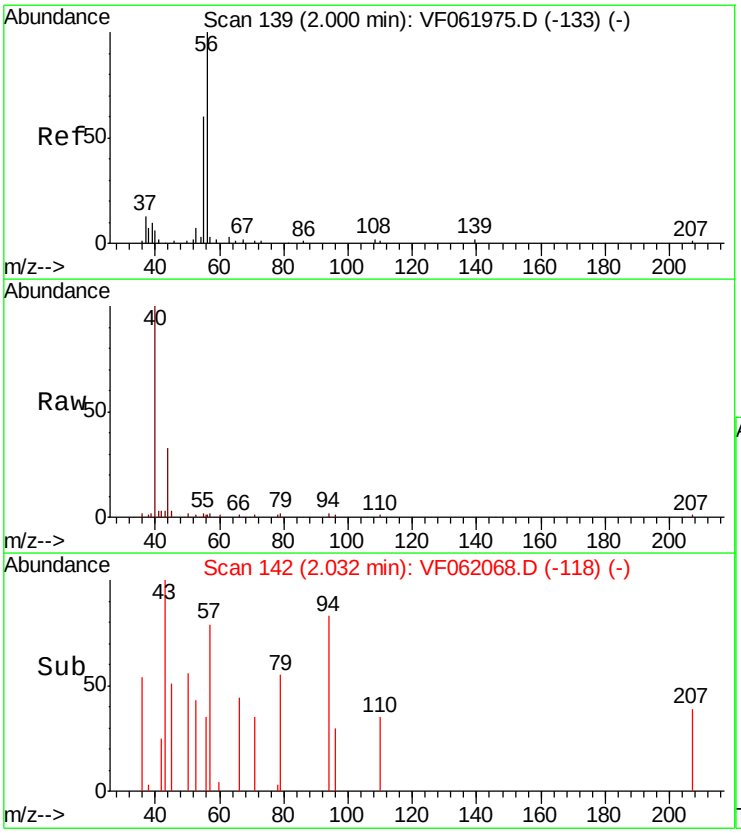
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:168 Resp: 260694

Ion	Ratio	Lower	Upper
168	100		
99	51.5	42.4	63.6

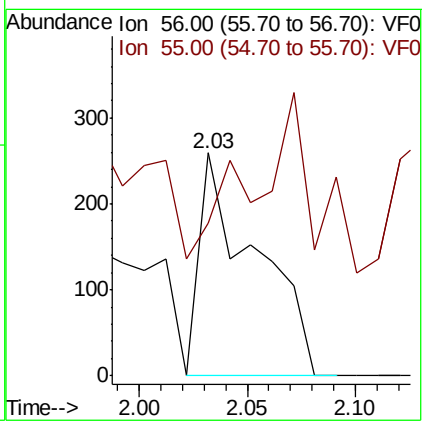


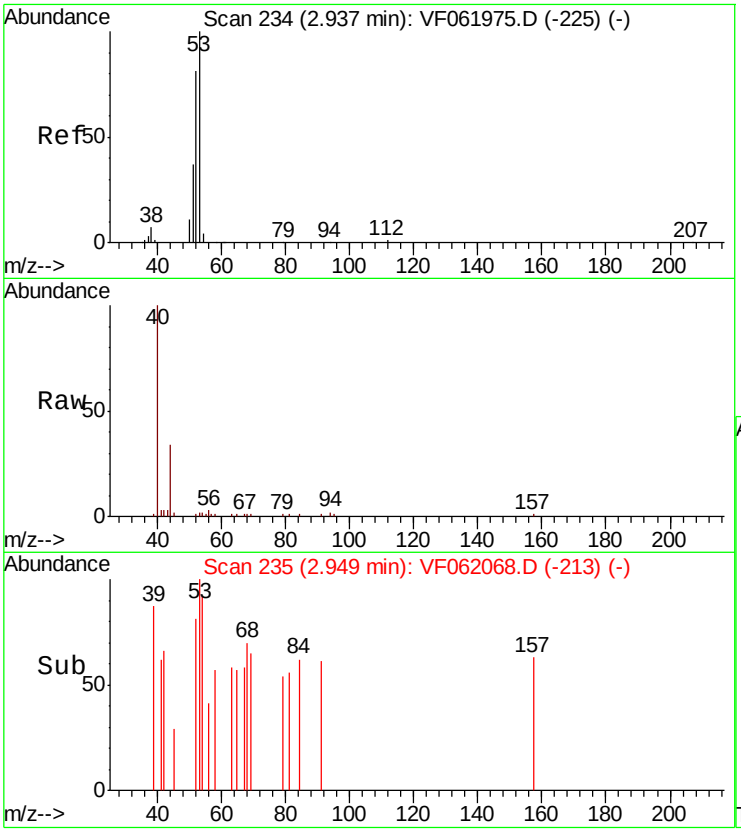


#13
Acrolein
Concen: 3.743 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.03 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 56 Resp: 464

Ion	Ratio	Lower	Upper
56	100		
55	68.7	49.1	73.7



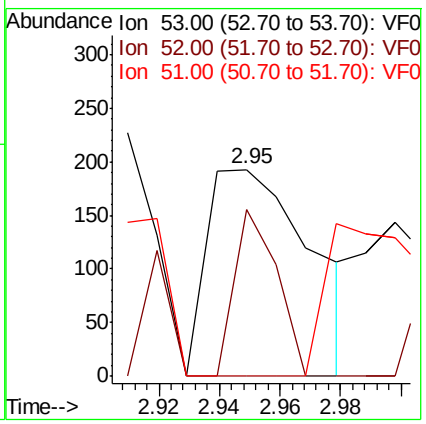


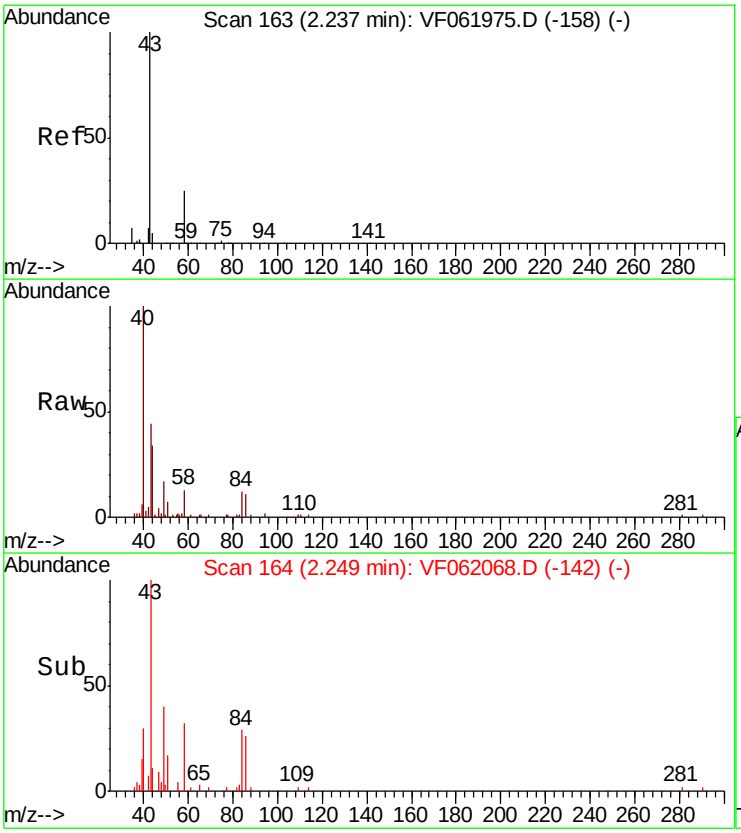
#15
Acrylonitrile
Concen: 1.320 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 53 Resp: 461

Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.4	96.6
51	0.0	30.3	45.5#

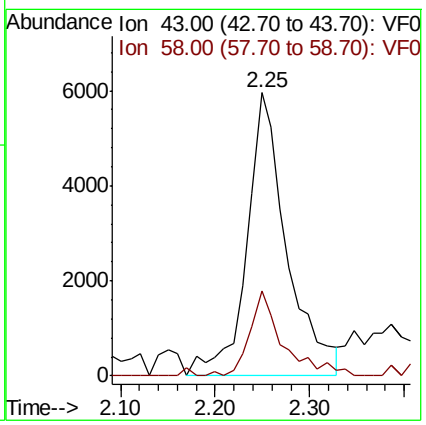


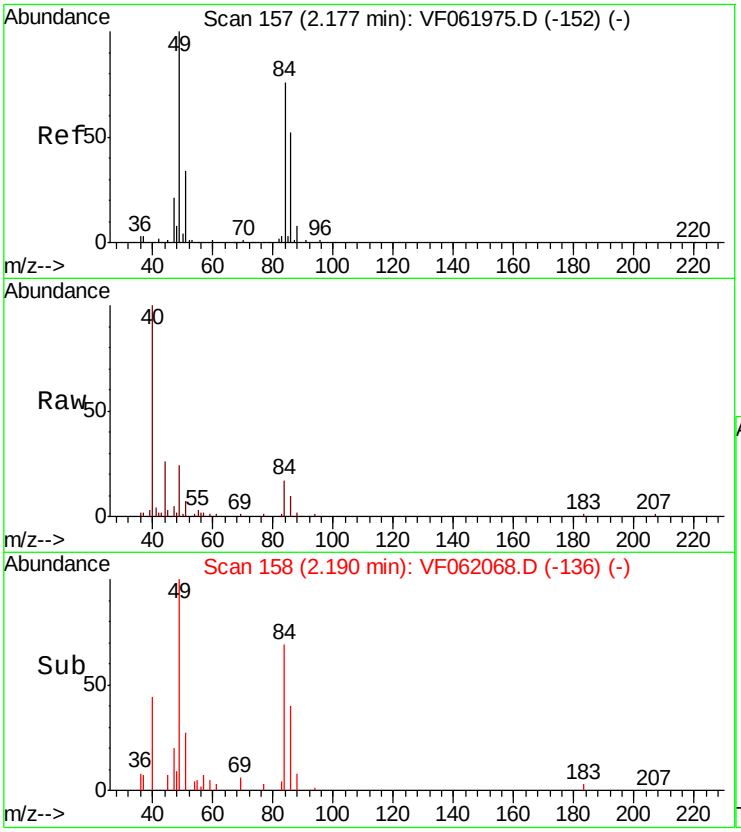


#16
Acetone
Concen: 41.636 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 43 Resp: 17545

Ion	Ratio	Lower	Upper
43	100		
58	30.2	19.9	29.9#



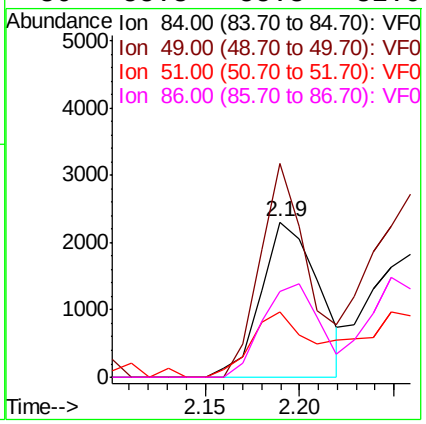


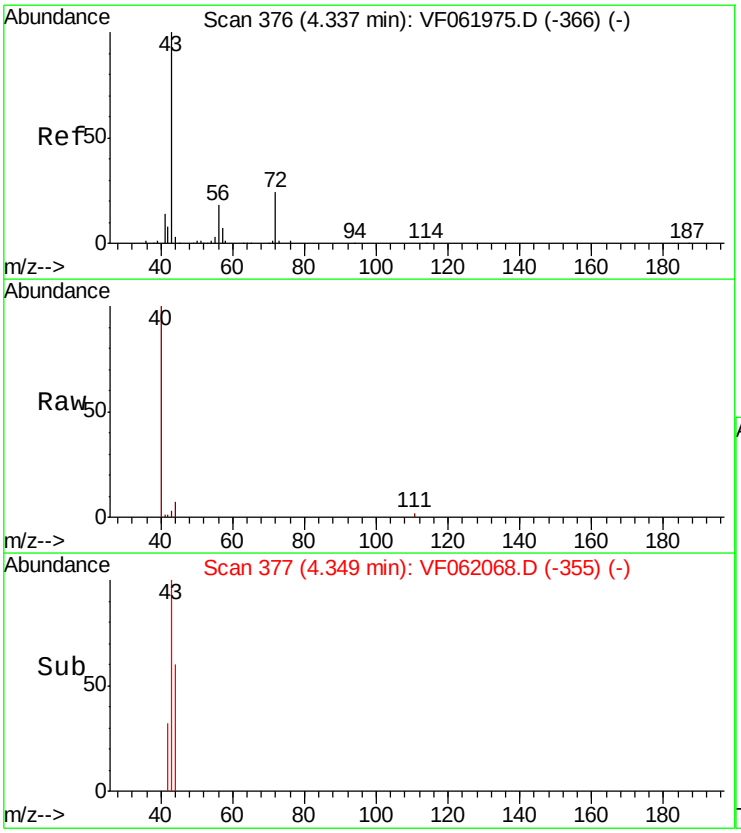
#20
Methylene Chloride
Concen: 2.228 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 84 Resp: 4899

Ion	Ratio	Lower	Upper
84	100		
49	137.4	107.0	160.6
51	41.7	37.2	55.8
86	55.3	55.3	82.9

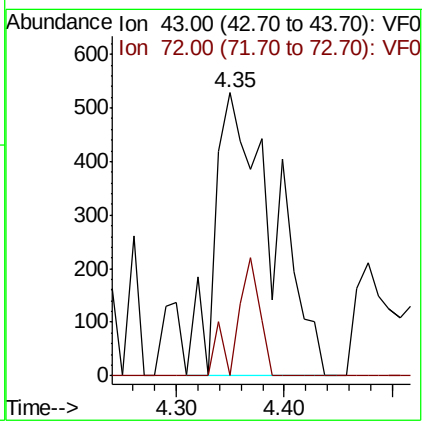


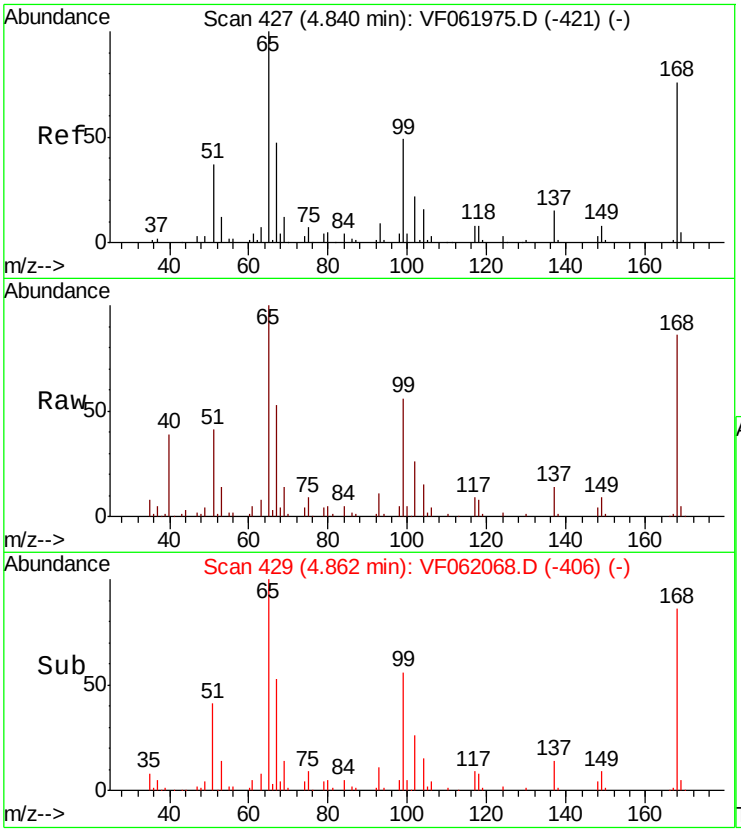


#25
2-Butanone
Concen: 2.377 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 43 Resp: 1984

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#



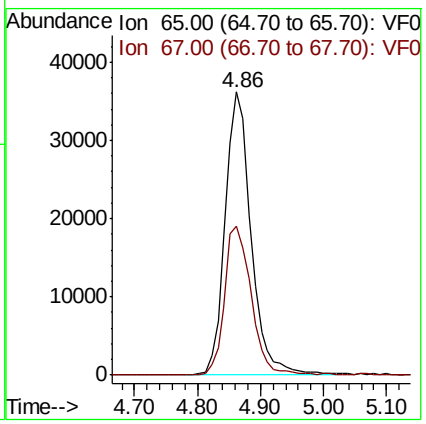


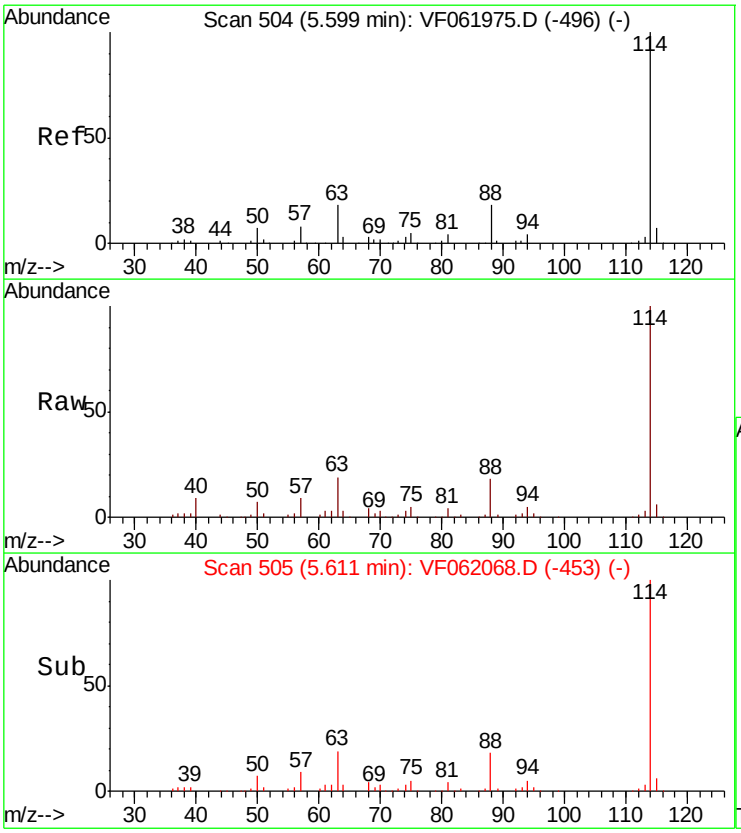
#33
1,2-Dichloroethane-d4
Concen: 54.689 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 65 Resp: 102628

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	109.4

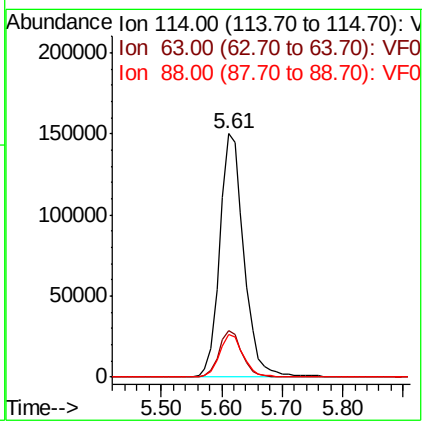


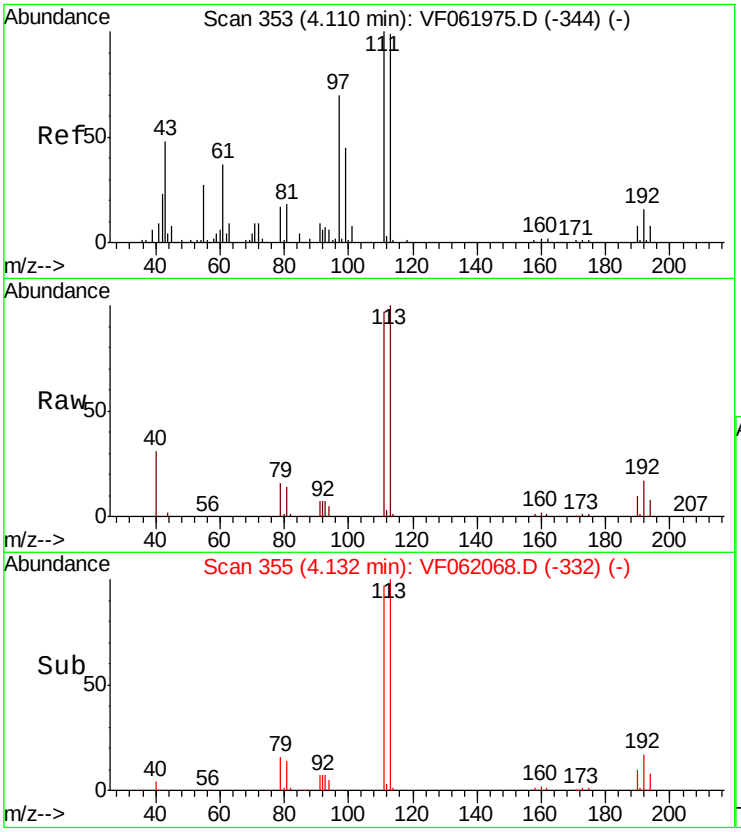


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:114 Resp: 416815

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	36.4
88	17.7	0.0	36.4



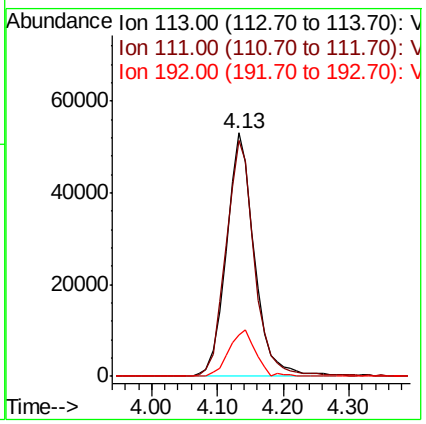


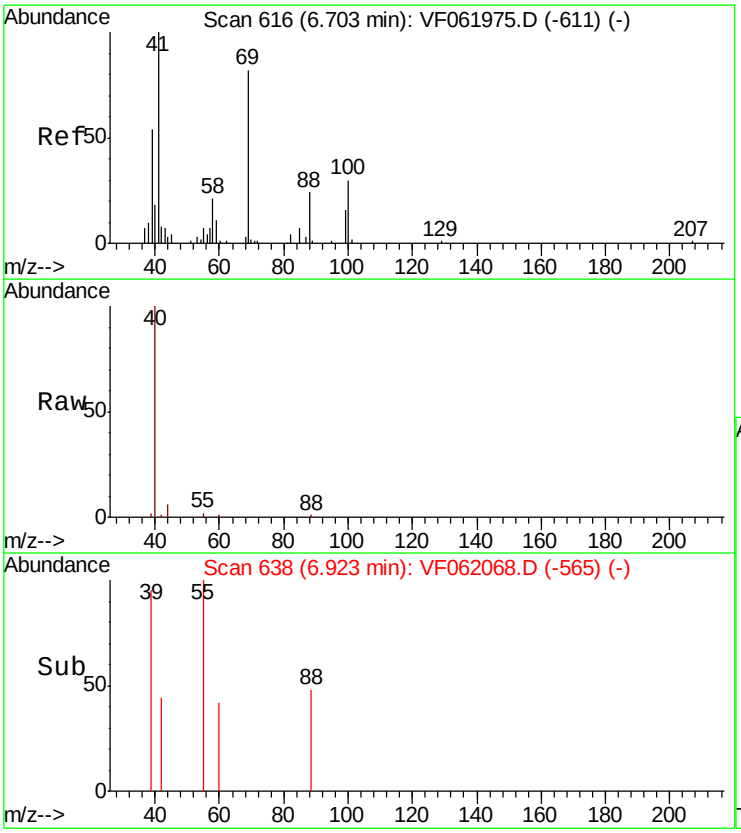
#35
Dibromofluoromethane
Concen: 56.556 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:113 Resp: 158299

Ion	Ratio	Lower	Upper
113	100		
111	96.8	80.8	121.2
192	16.8	13.0	19.6

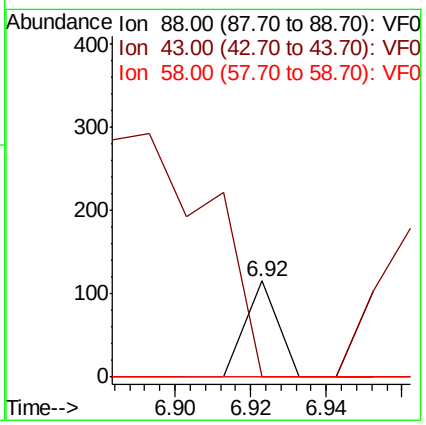


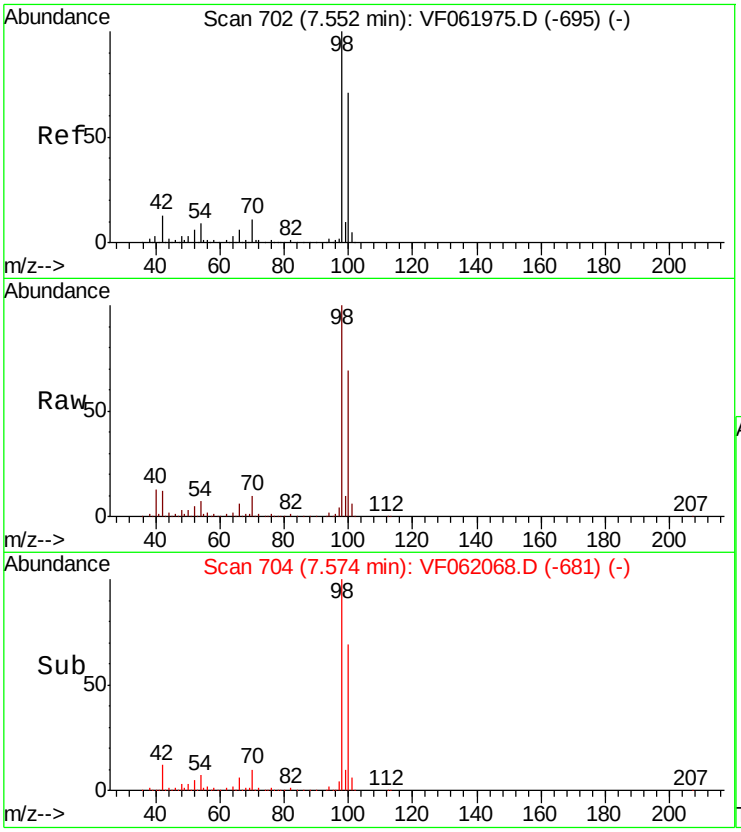


#49
1,4-Dioxane
Concen: 5.915 ug/l
RT: 6.92 min Scan# 638
Delta R.T. 0.22 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 88 Resp: 68

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.2	46.8#
58	0.0	69.9	104.9#



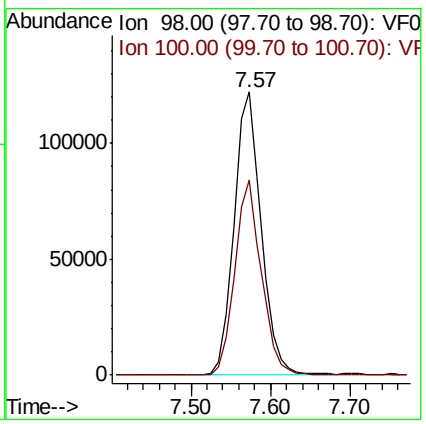


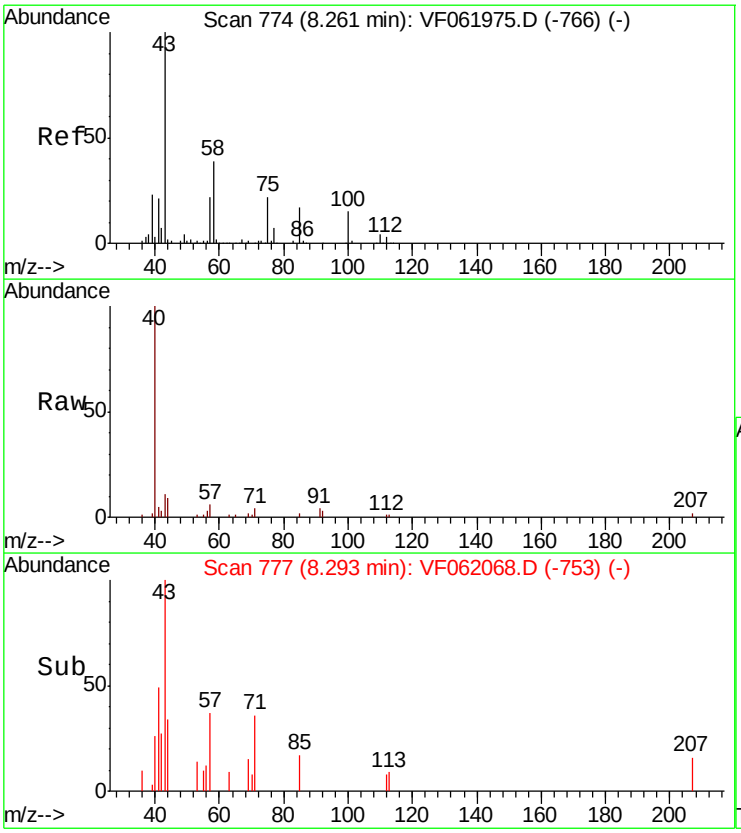
#50
Toluene-d8
Concen: 35.291 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 98 Resp: 288758

Ion	Ratio	Lower	Upper
98	100		
100	69.0	56.8	85.2

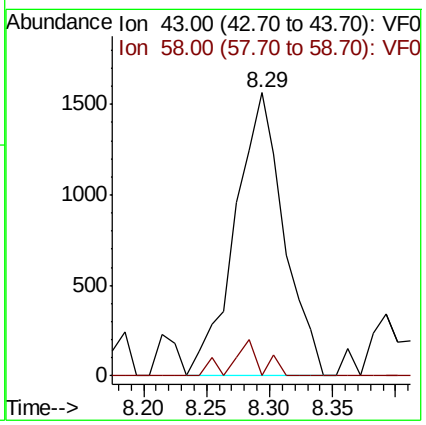


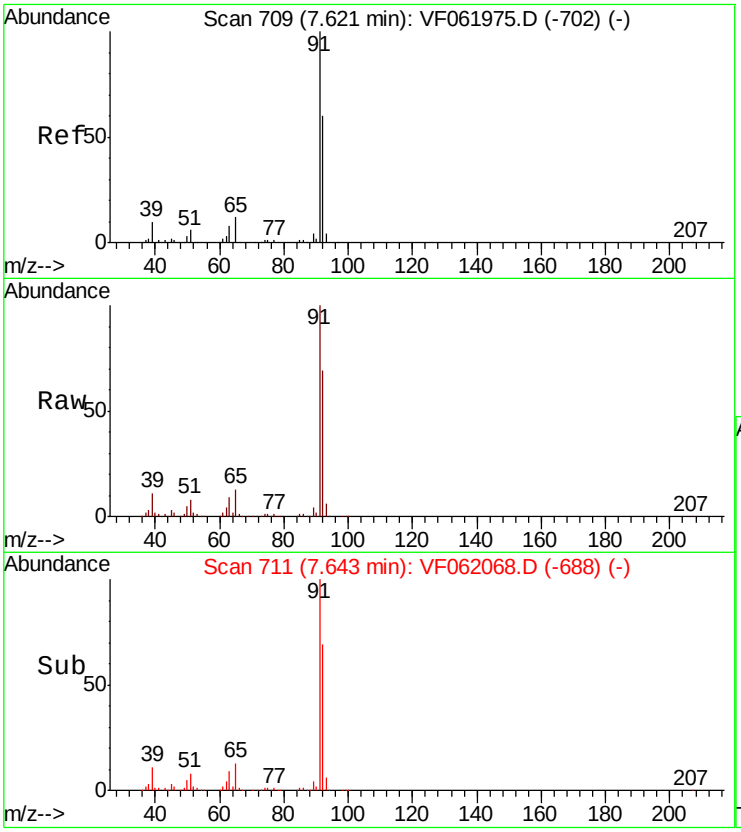


#51
4-Methyl-2-Pentanone
Concen: 2.964 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.03 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 43 Resp: 4209

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.1	46.7#



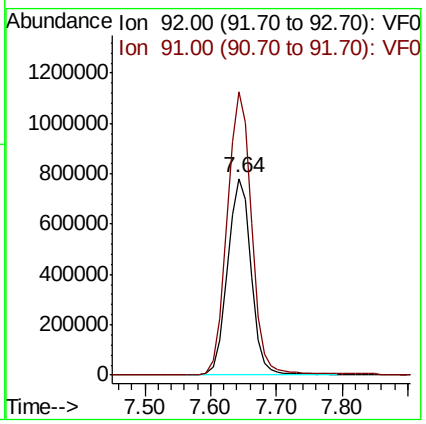


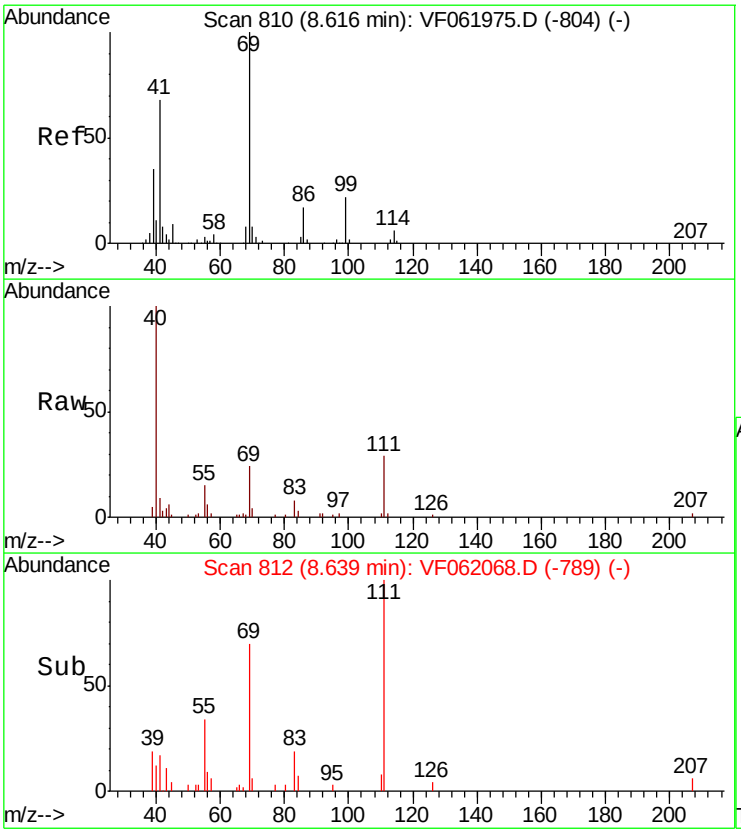
#52
Toluene
Concen: 323.520 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 92 Resp: 1971532

Ion	Ratio	Lower	Upper
92	100		
91	143.9	134.0	201.0

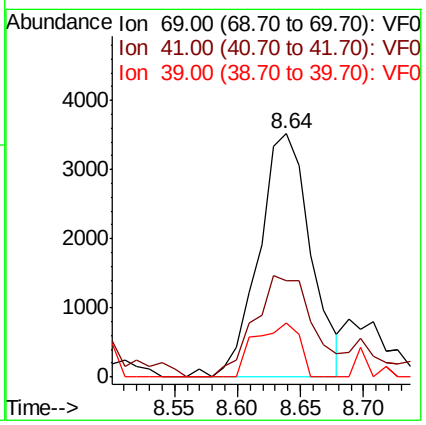


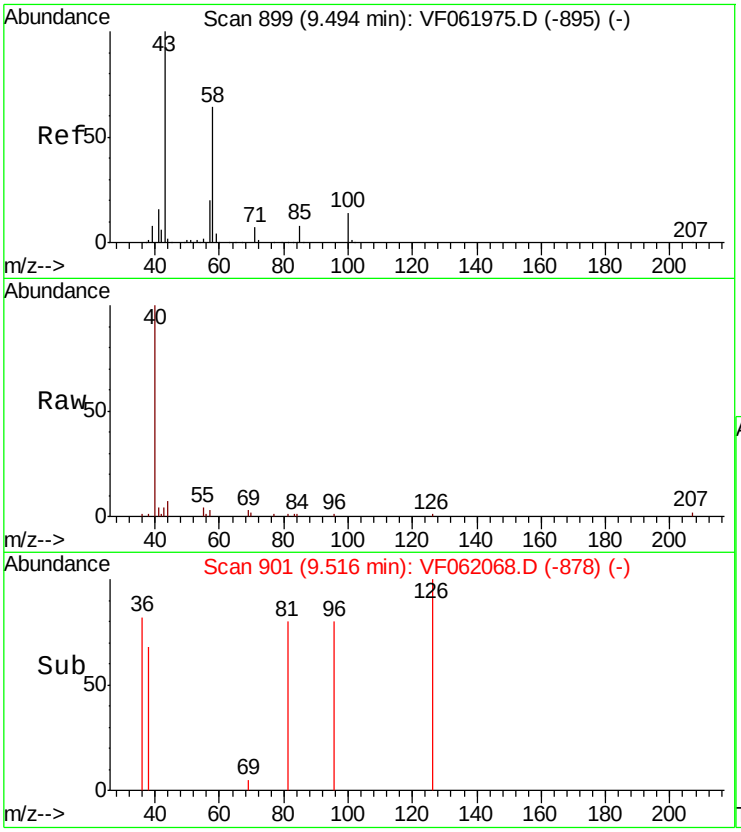


#56
Ethyl methacrylate
Concen: 5.221 ug/l
RT: 8.64 min Scan# 812
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 69 Resp: 10094

Ion	Ratio	Lower	Upper
69	100		
41	39.4	54.7	82.1#
39	22.3	27.9	41.9#



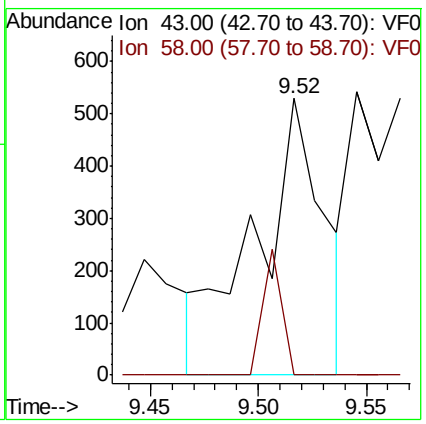


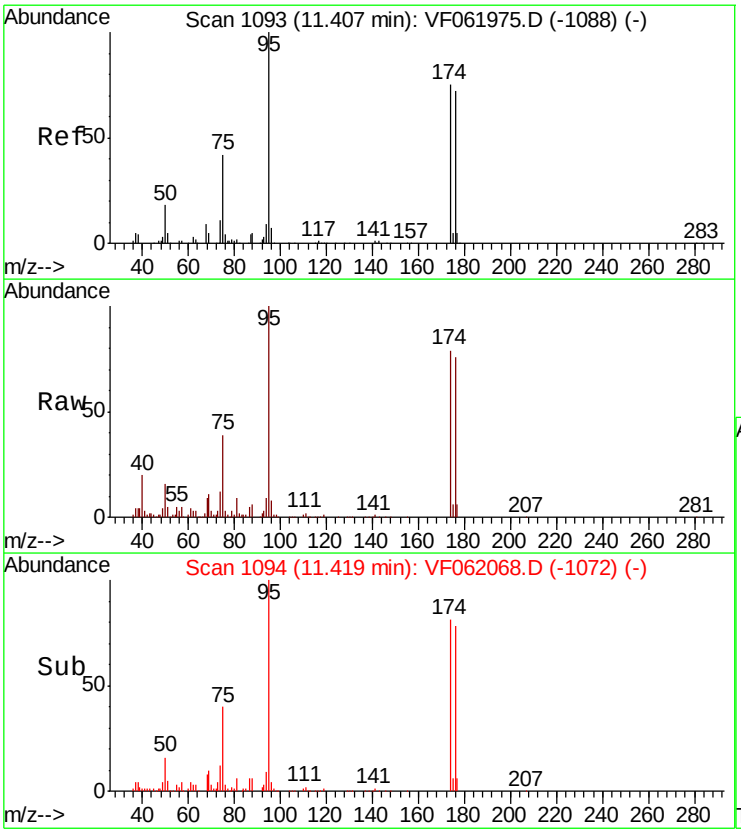
#59
2-Hexanone
Concen: 1.122 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 43 Resp: 1153

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	85.2#

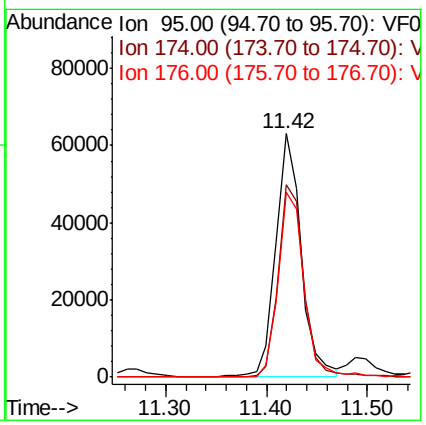


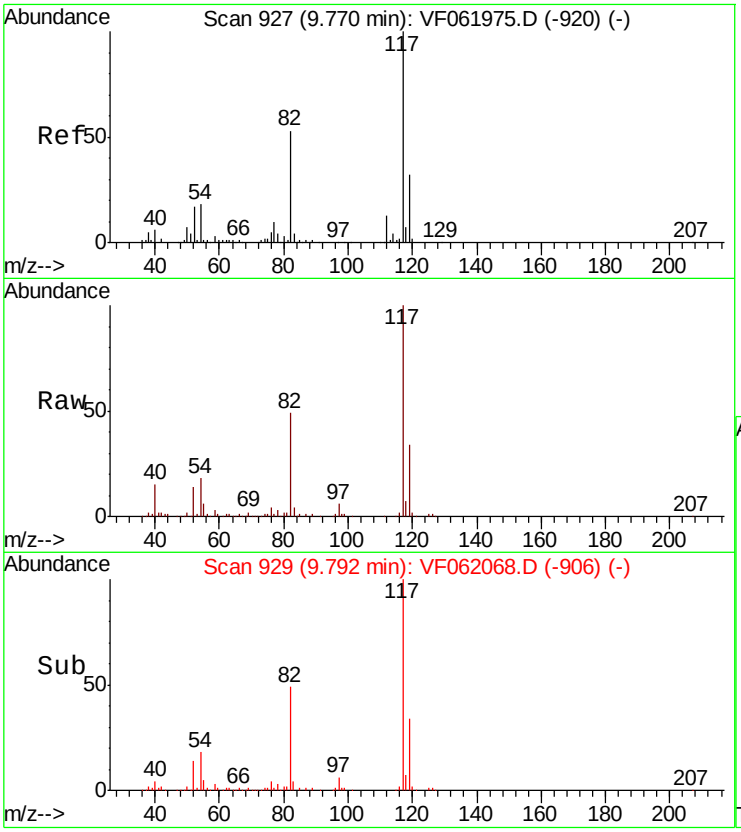


#62
4-Bromofluorobenzene
Concen: 34.081 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 95 Resp: 110781

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	149.4
176	75.7	0.0	143.4



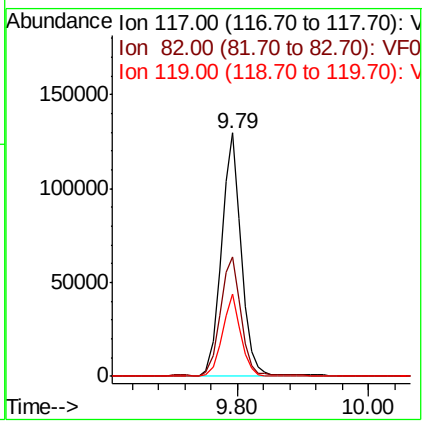


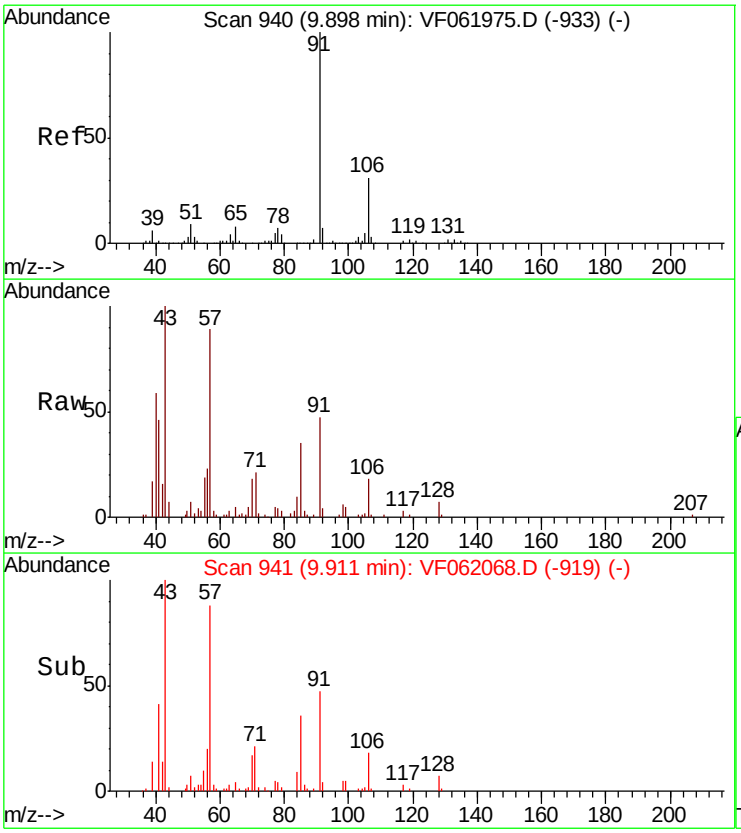
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument : MSVOA_F
ClientSampleId : EO-02-032019-A

Tgt Ion:117 Resp: 273312

Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.5	63.7
119	34.0	25.4	38.0

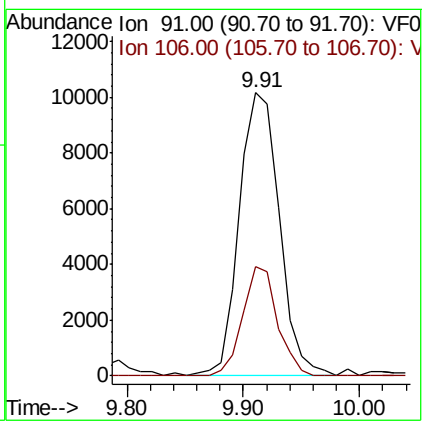


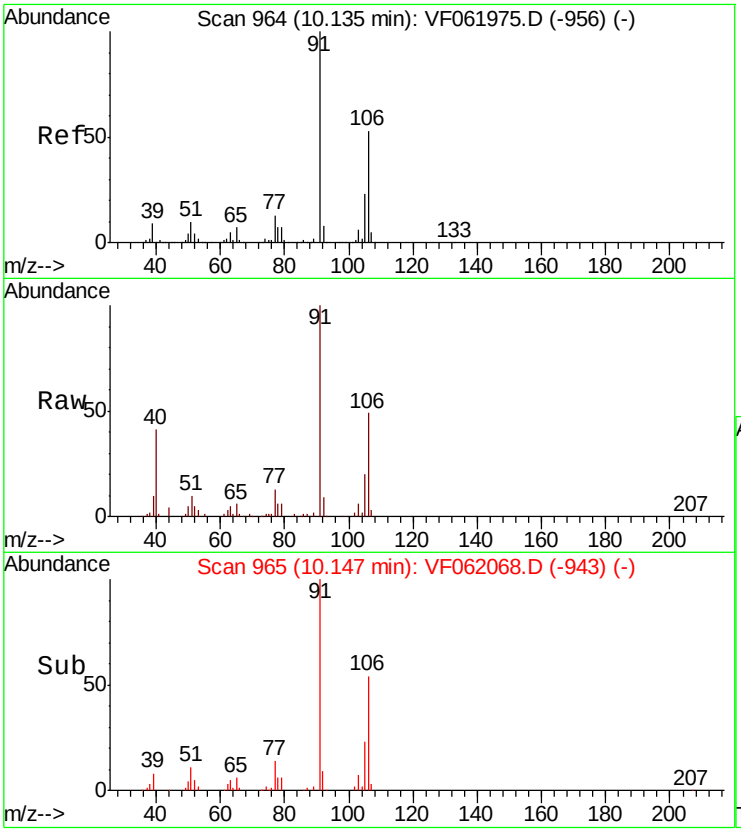


#67
Ethyl Benzene
Concen: 2.785 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 91 Resp: 24266

Ion	Ratio	Lower	Upper
91	100		
106	38.7	24.4	36.6#



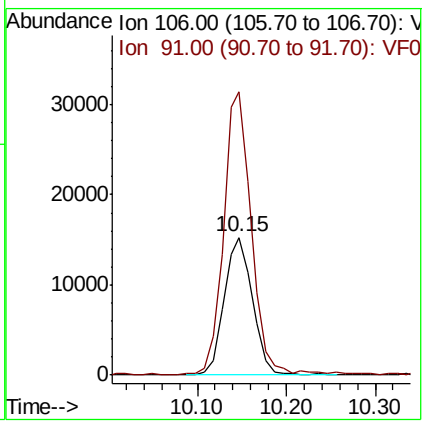


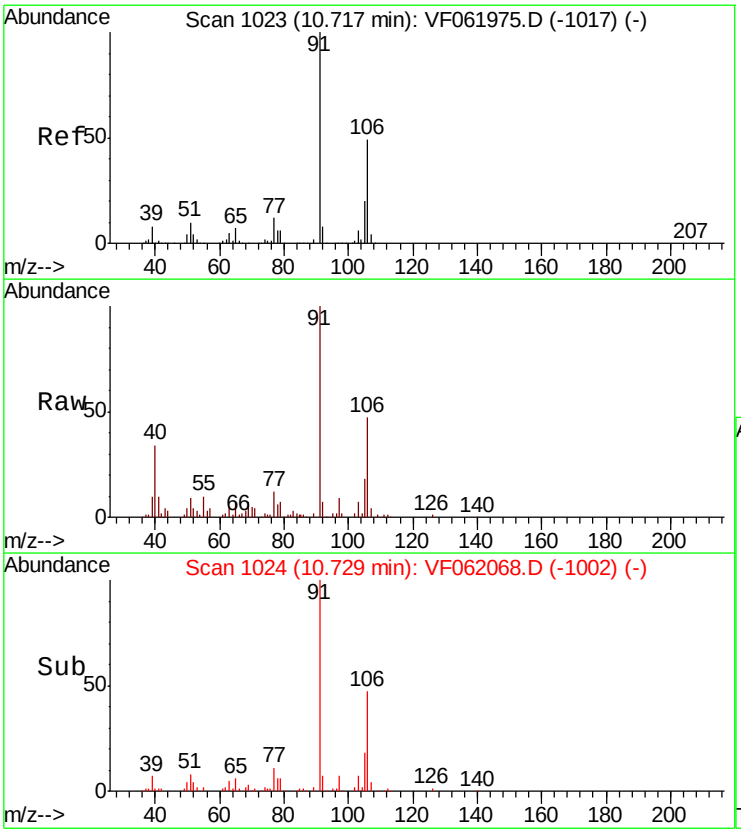
#68
m/p-Xylenes
Concen: 10.459 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:106 Resp: 34274

Ion	Ratio	Lower	Upper
106	100		
91	205.2	151.9	227.9

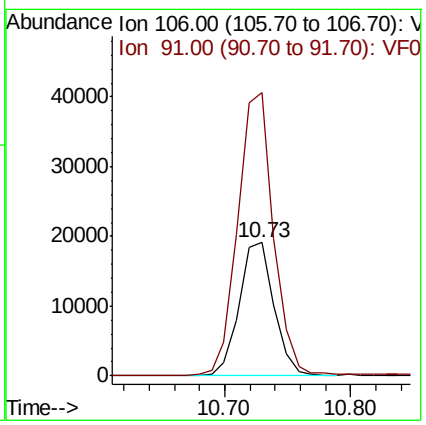


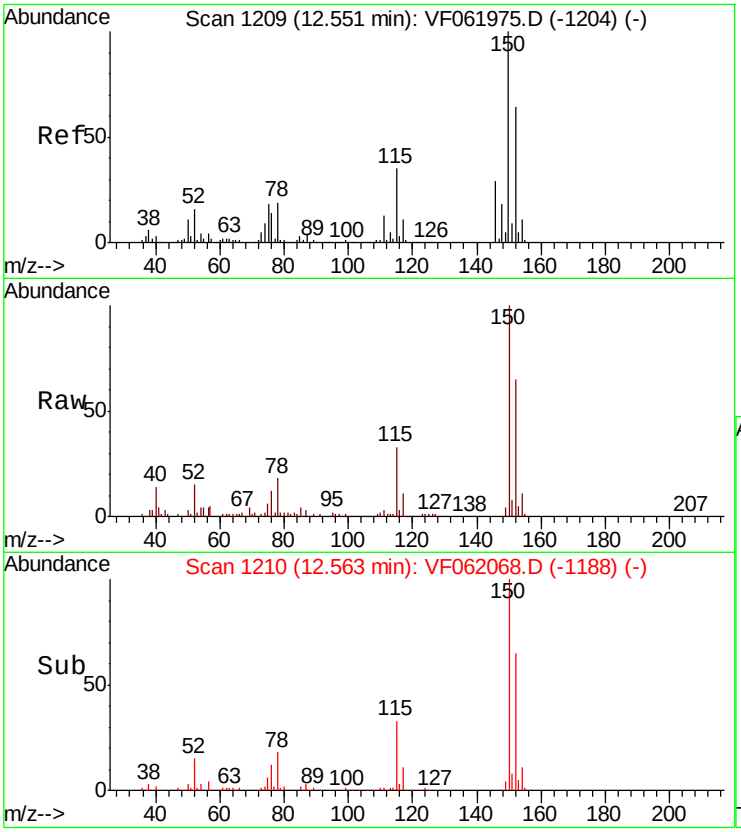


#69
o-Xylene
Concen: 10.473 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:106 Resp: 36724

Ion	Ratio	Lower	Upper
106	100		
91	212.5	102.3	306.8



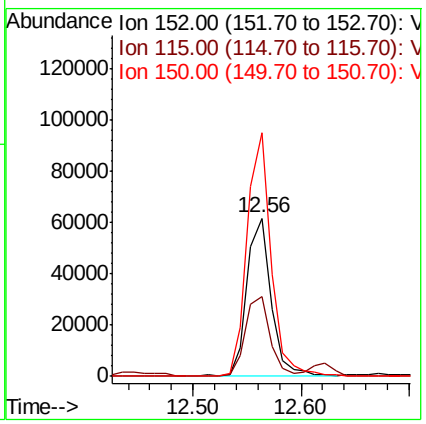


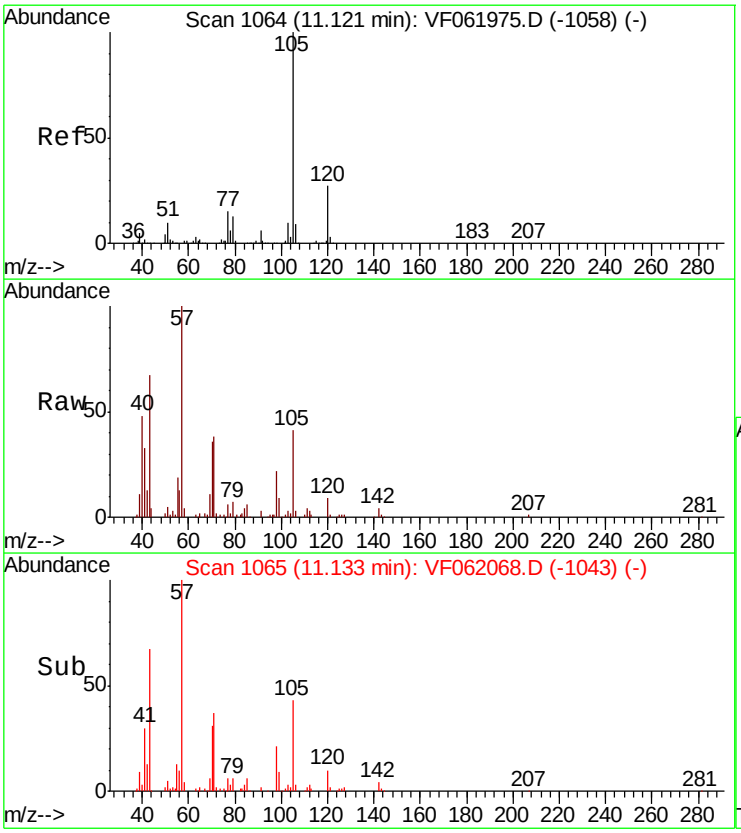
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:152 Resp: 96159

Ion	Ratio	Lower	Upper
152	100		
115	50.1	27.3	81.9
150	153.8	0.0	316.2

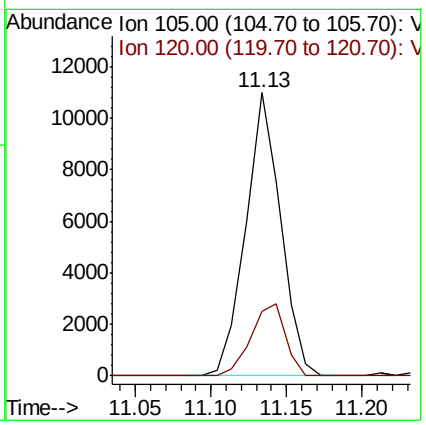


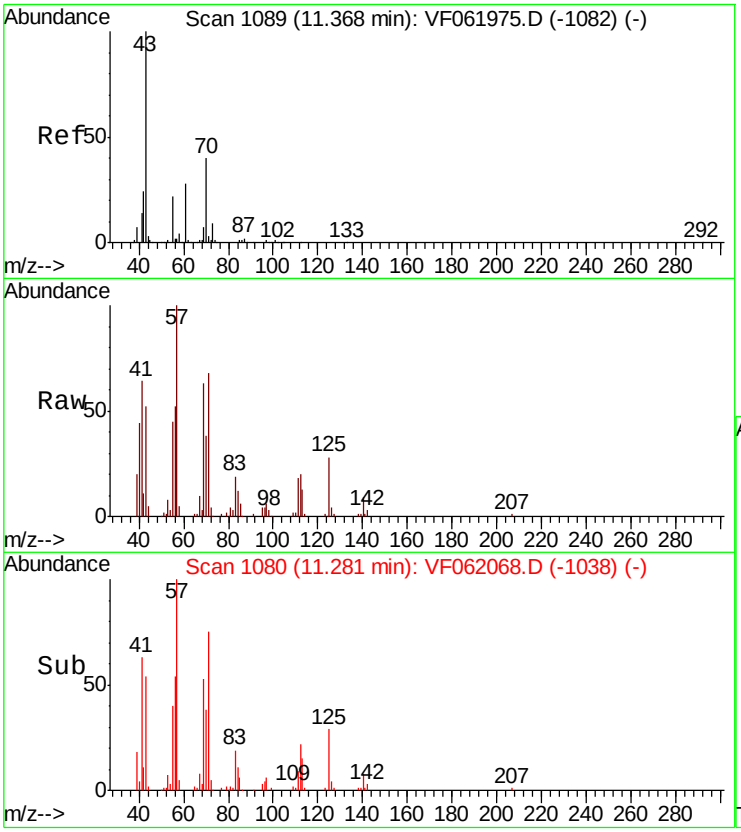


#73
Isopropylbenzene
Concen: 2.667 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:105 Resp: 17717

Ion	Ratio	Lower	Upper
105	100		
120	22.9	13.8	41.3



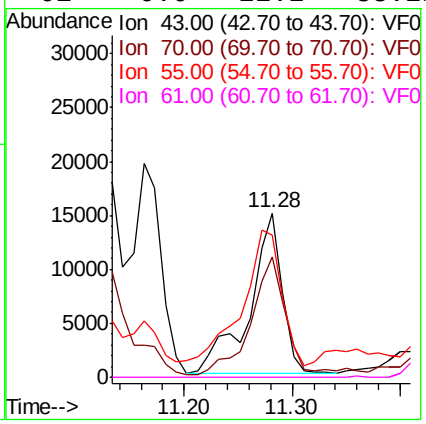


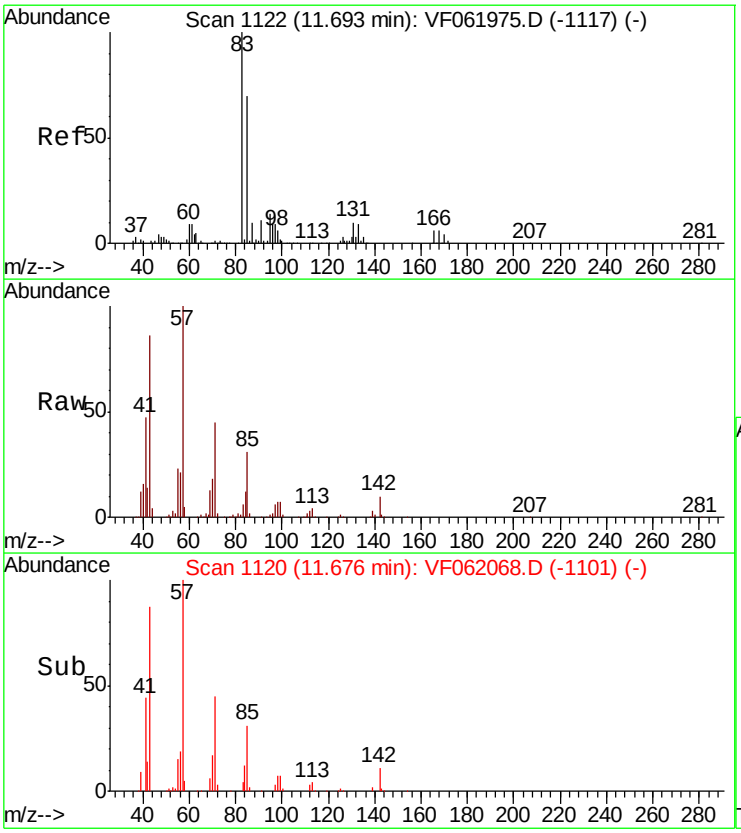
#74
N-amyl acetate
Concen: 20.501 ug/l
RT: 11.28 min Scan# 1080
Delta R.T. -0.09 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument : MSVOA_F
ClientSampleId : EO-02-032019-A

Tgt Ion: 43 Resp: 31206

Ion	Ratio	Lower	Upper
43	100		
70	73.5	31.9	47.9#
55	86.8	17.9	26.9#
61	0.0	22.2	33.2#

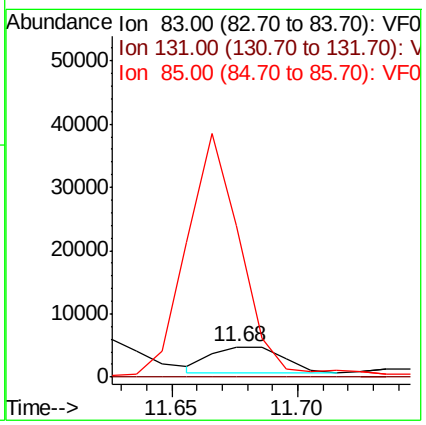


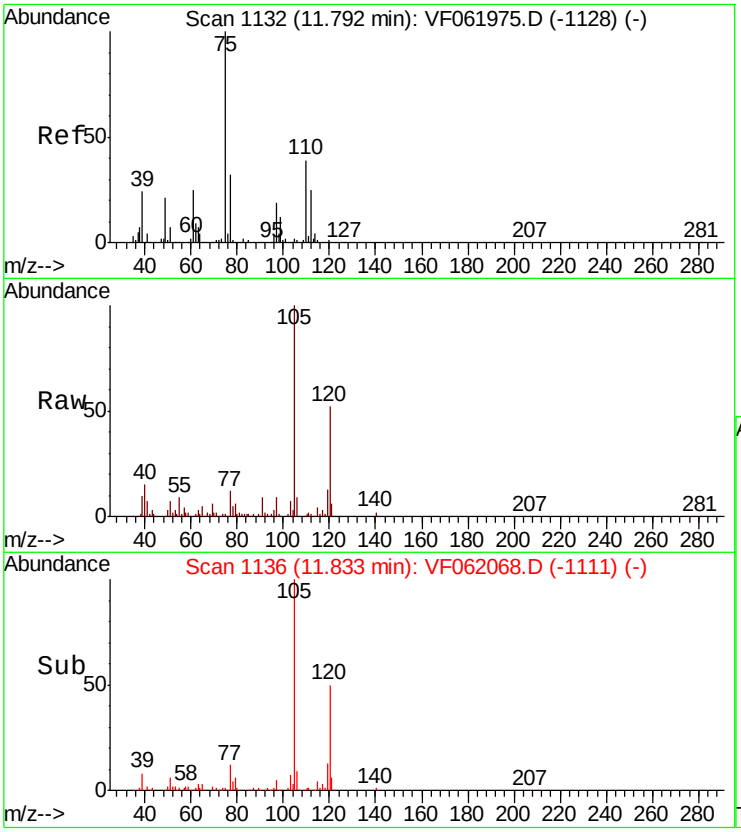


#75
1,1,2,2-Tetrachloroethane
Concen: 7.523 ug/l
RT: 11.68 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 83 Resp: 8249

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	503.9	35.3	105.9#



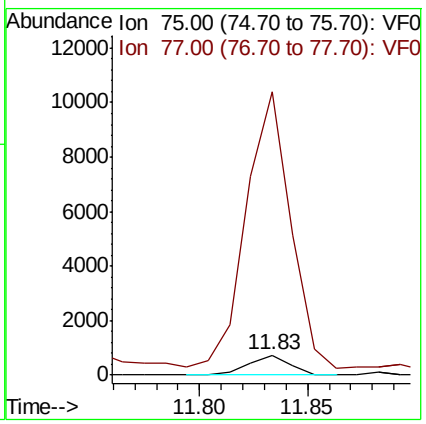


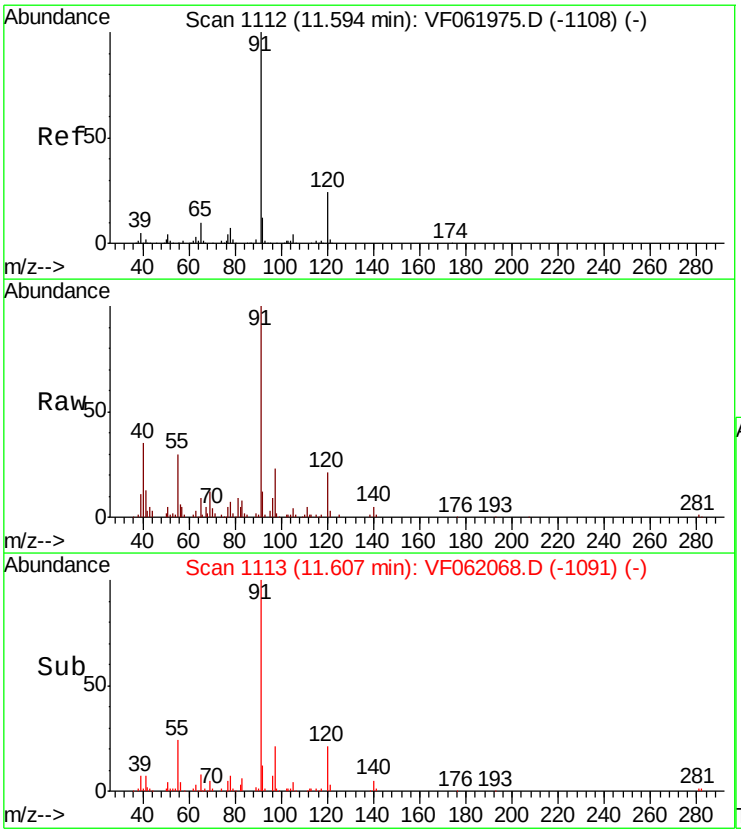
#76
1,2,3-Trichloropropane
Concen: 1.247 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.04 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 75 Resp: 956

Ion	Ratio	Lower	Upper
75	100		
77	1422.7	16.4	49.2#

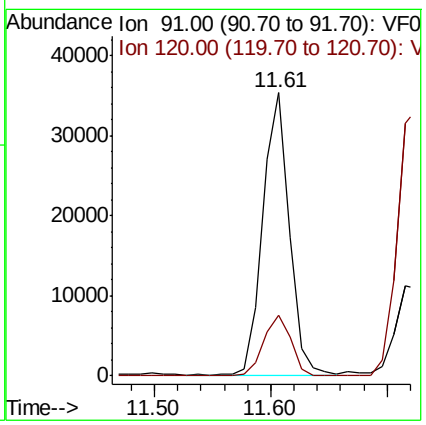


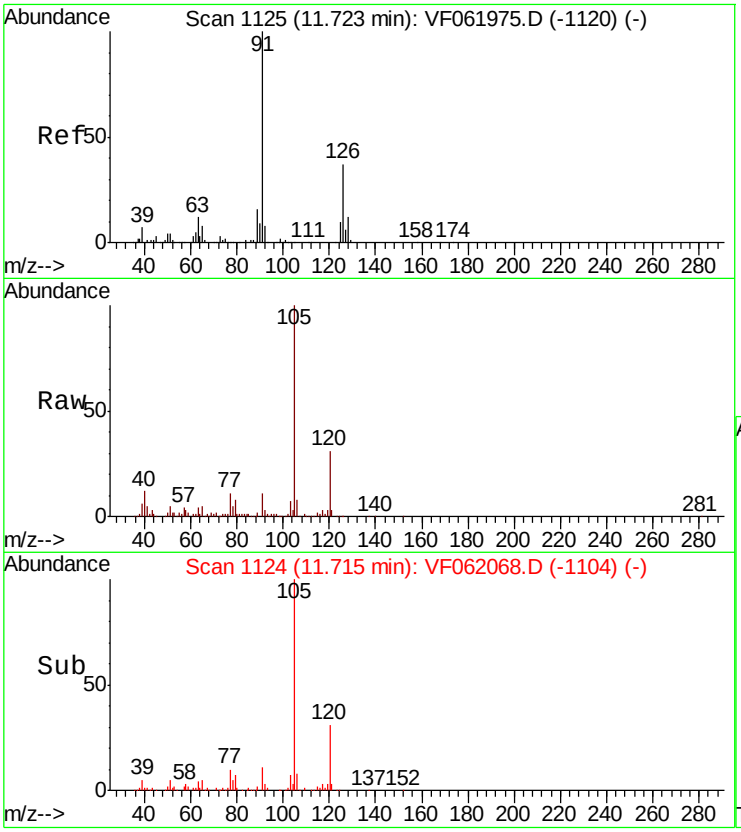


#78
n-propylbenzene
Concen: 7.255 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion: 91 Resp: 55420

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.8	35.3



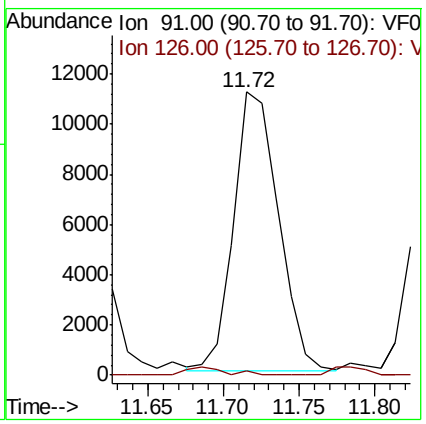


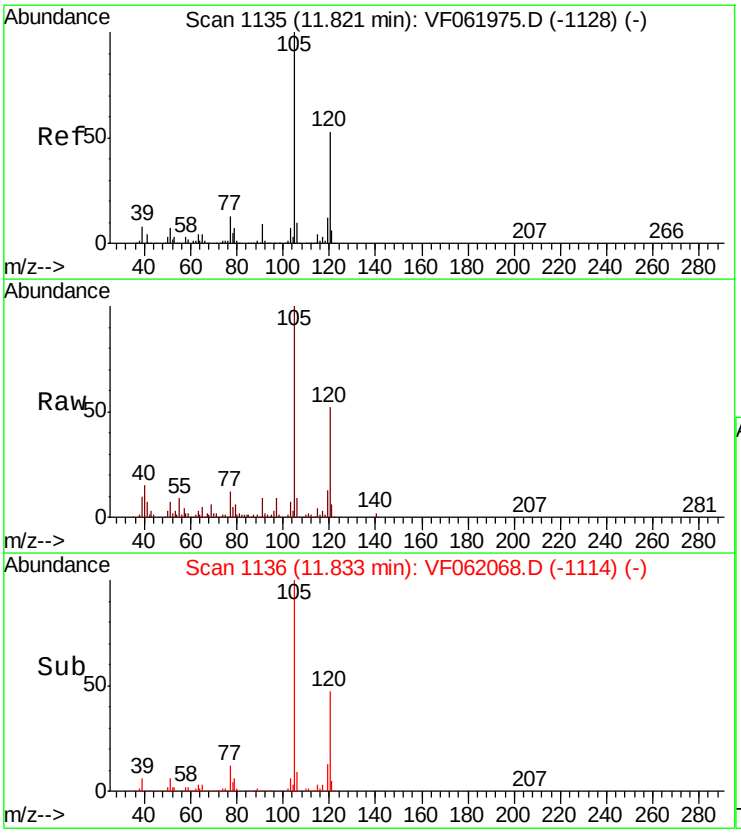
#79
2-Chlorotoluene
Concen: 5.343 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument : MSVOA_F
ClientSampleId : EO-02-032019-A

Tgt Ion: 91 Resp: 23039

Ion	Ratio	Lower	Upper
91	100		
126	1.3	18.4	55.2#

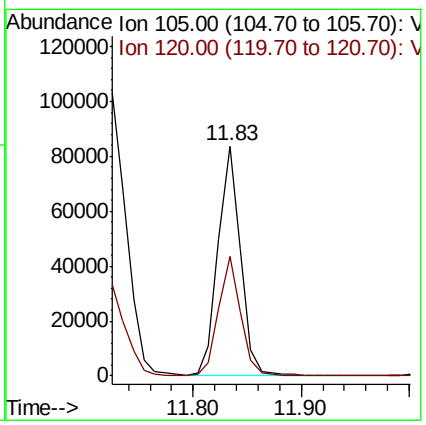


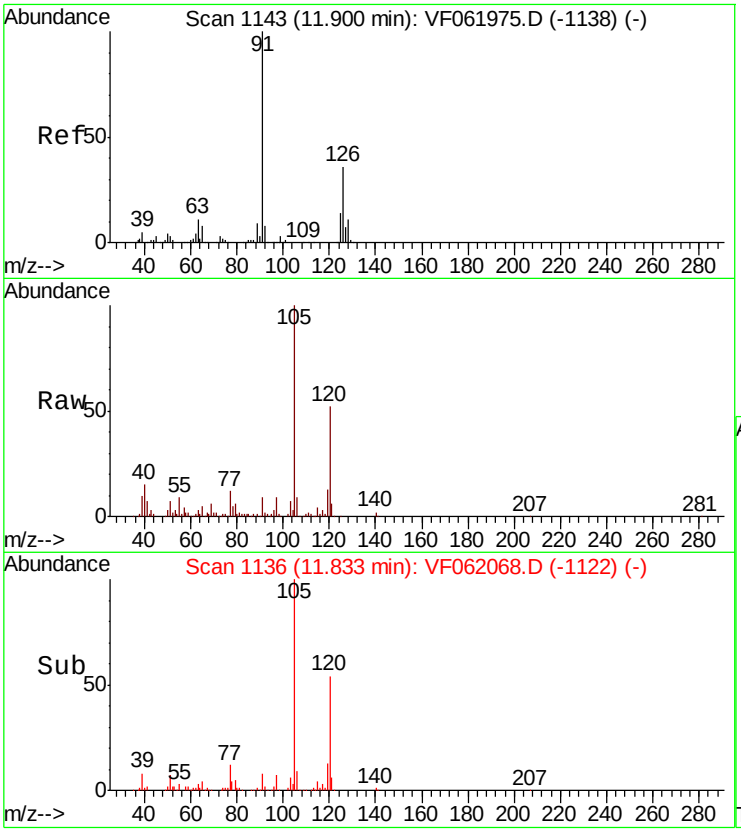


#80
1,3,5-Trimethylbenzene
Concen: 22.516 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:105 Resp: 120828

Ion	Ratio	Lower	Upper
105	100		
120	52.2	26.6	79.7



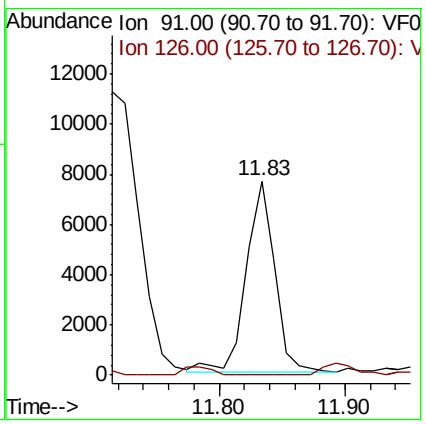


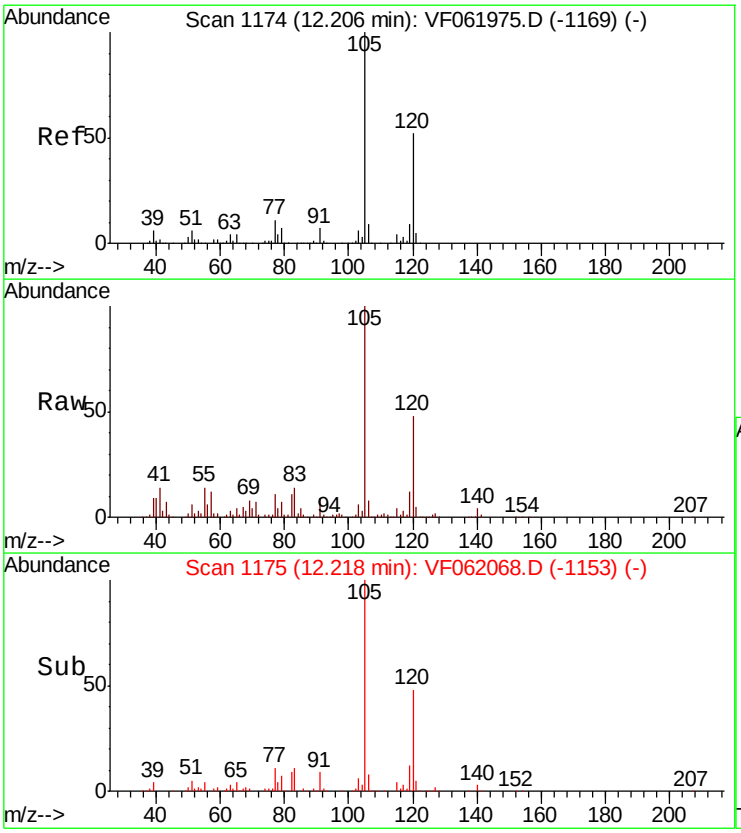
#82
4-Chlorotoluene
Concen: 2.780 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.07 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 91 Resp: 12123

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.1	54.1#

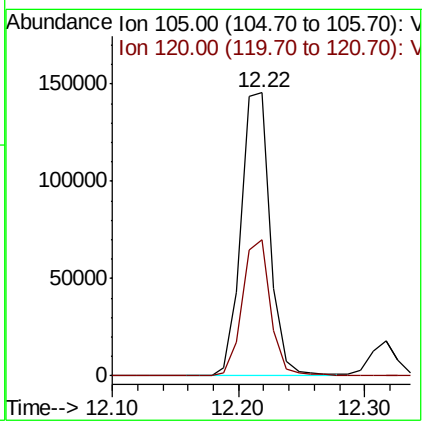


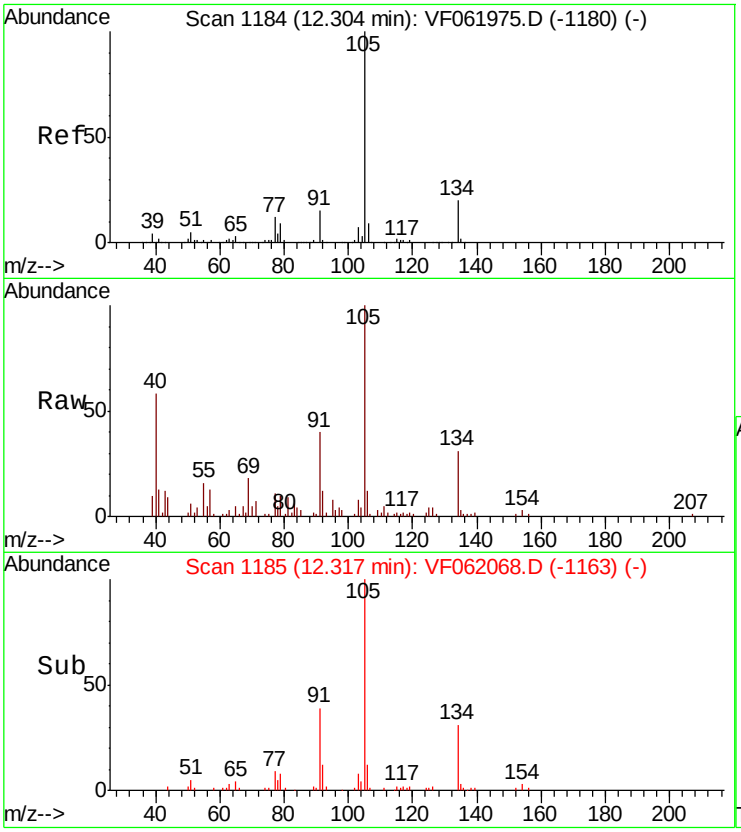


#84
1,2,4-Trimethylbenzene
Concen: 43.286 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:105 Resp: 232667

Ion	Ratio	Lower	Upper
105	100		
120	48.3	25.9	77.8



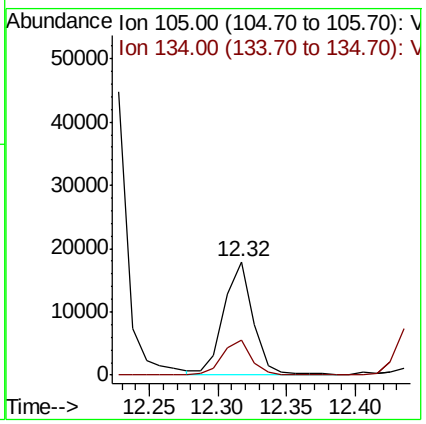


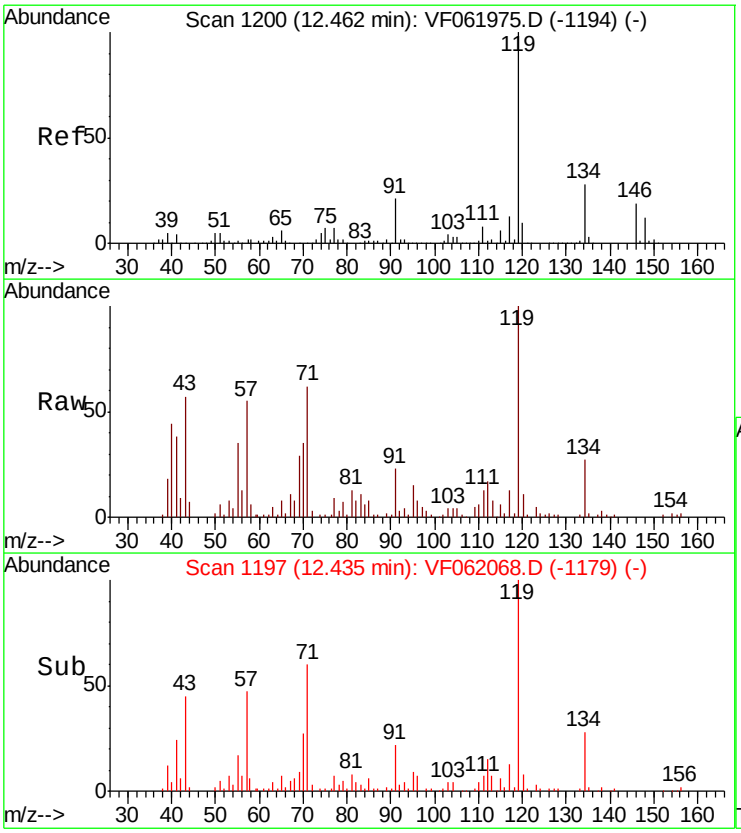
#85
sec-Butylbenzene
Concen: 3.436 ug/l
RT: 12.32 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:105 Resp: 26057

Ion	Ratio	Lower	Upper
105	100		
134	31.0	10.0	29.8#

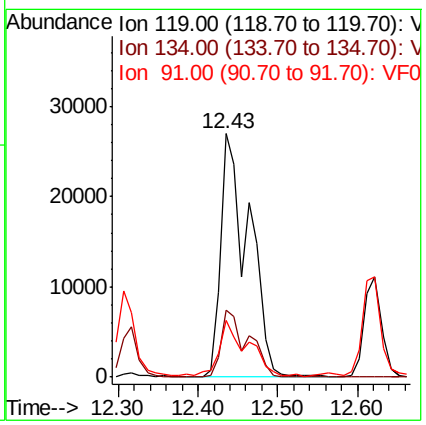


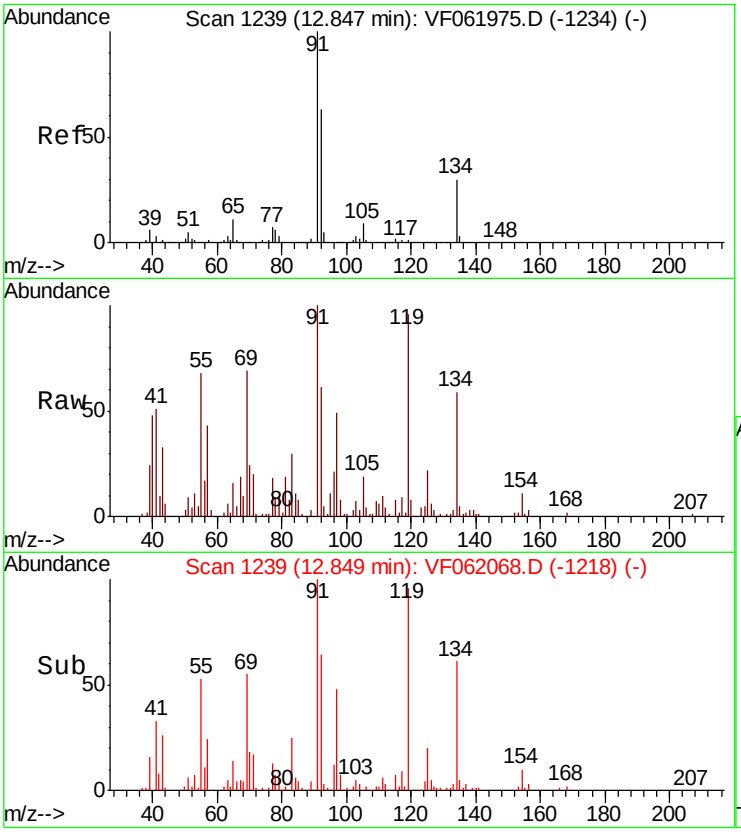


#86
p-Isopropyltoluene
Concen: 10.499 ug/l
RT: 12.43 min Scan# 1197
Delta R.T. -0.03 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:119 Resp: 66428

Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.9	41.7
91	23.2	10.4	31.1



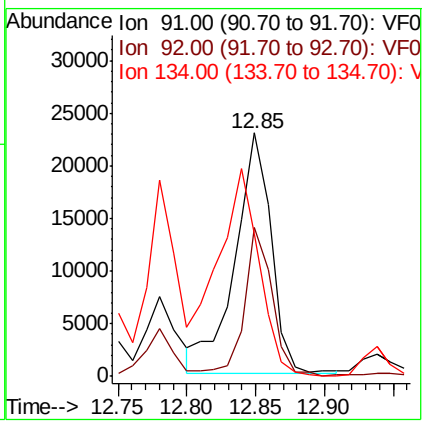


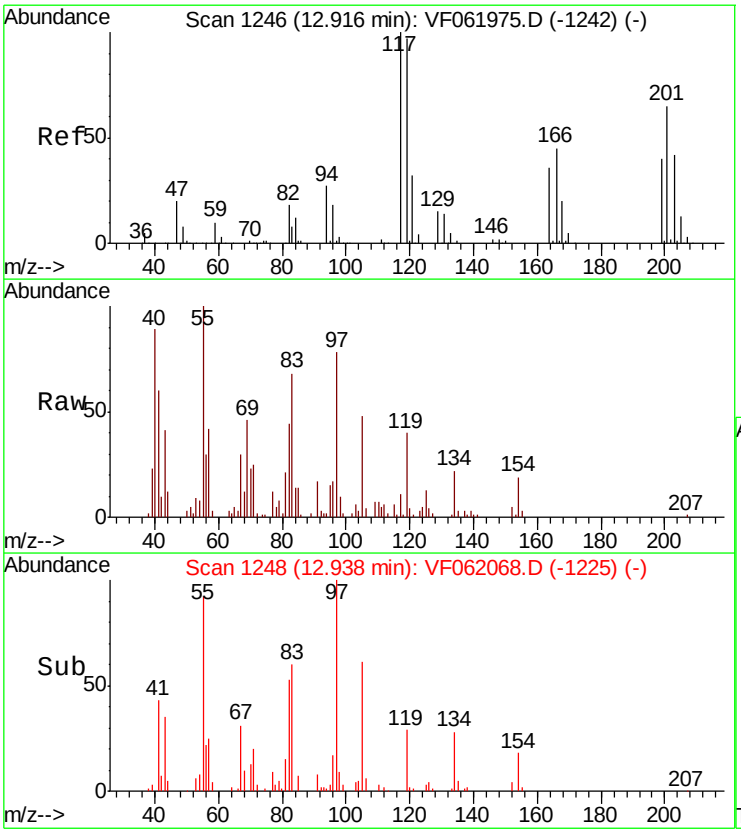
#89
n-Butylbenzene
Concen: 7.022 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion: 91 Resp: 41746

Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.7	95.1
134	58.6	15.1	45.3#

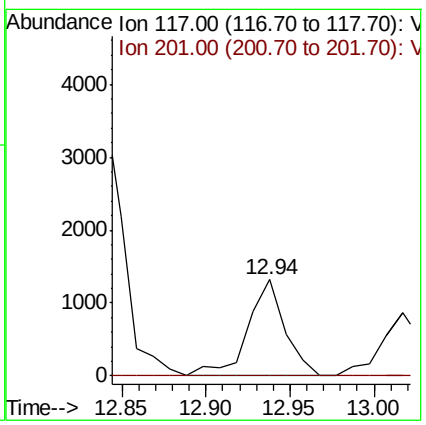


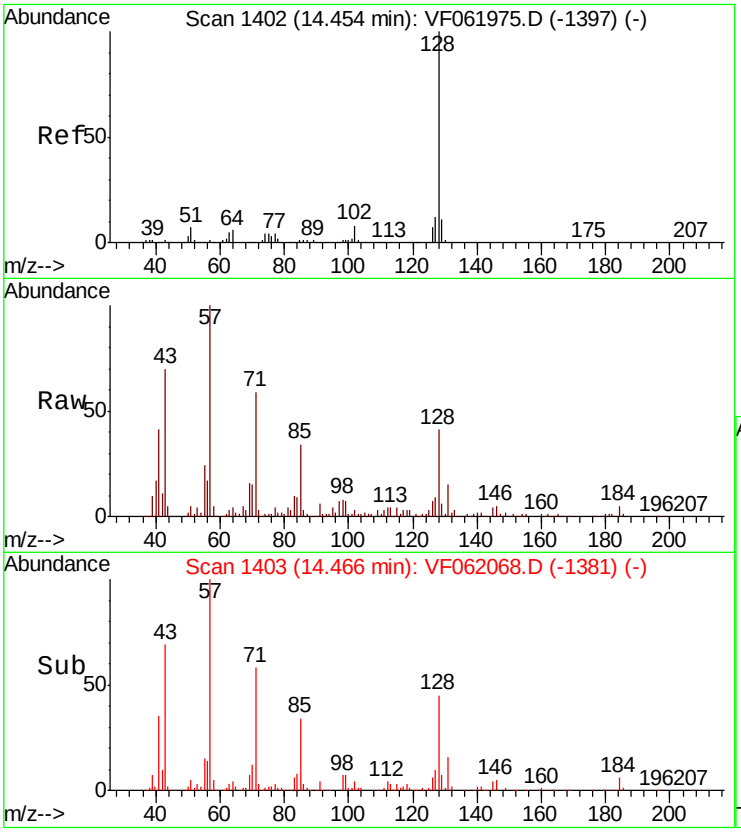


#90
Hexachloroethane
Concen: 1.402 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.02 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Tgt Ion:117 Resp: 2024

Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.5	97.5#





#95
Naphthalene
Concen: 12.338 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF062068.D
Acq: 21 Mar 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:128 Resp: 43274

Ion	Ratio	Lower	Upper
128	100		
127	22.0	9.3	13.9#
129	15.7	9.1	13.7#