Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060733.D
Acq On : 14 Nov 2018 19:24
Operator : VA/AP
Sample : J5925-13RE
Misc : 13.44g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Quant Time: Nov 15 06:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	146001	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	239301	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	203467	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	103039	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	68682	41.24	ug/l	-0.03
Spiked Amount 50.000			Recovery = 82.48%			
35) Dibromofluoromethane	4.08	113	83130	46.21	ug/l	-0.04
Spiked Amount 50.000			Recovery = 92.42%			
50) Toluene-d8	7.53	98	208183	44.71	ug/l	-0.04
Spiked Amount 50.000			Recovery = 89.42%			
62) 4-Bromofluorobenzene	11.39	95	91438	42.34	ug/l	-0.02
Spiked Amount 50.000			Recovery = 84.68%			
Target Compounds						Qvalue
3) Chloromethane	1.07	50	3664	2.261	ug/l #	79
5) Bromomethane	1.31	94	942	1.023	ug/l #	5
8) Diethyl Ether	1.62	74	1227	2.987	ug/l	99
11) Tert butyl alcohol	2.55	59	2662	35.123	ug/l #	72
13) Acrolein	2.11	56	337	4.863	ug/l	93
15) Acrylonitrile	2.94	53	868	5.375	ug/l #	38
16) Acetone	2.22	43	42367	119.026	ug/l	98
17) Carbon Disulfide	1.80	76	5551	1.542	ug/l #	88
18) Methyl Acetate	2.37	43	3938	6.738	ug/l #	64
20) Methylene Chloride	2.17	84	10563	6.436	ug/l #	85
25) 2-Butanone	4.32	43	12879	21.997	ug/l #	89
29) Tetrahydrofuran	4.06	42	548	2.269	ug/l #	68
30) Chloroform	3.84	83	9411	2.405	ug/l	95
39) Methylcyclohexane	5.43	83	9199	2.857	ug/l #	88
40) Benzene	4.61	78	166157	26.858	ug/l	98
41) Methacrylonitrile	4.75	41	376	Below Cal	#	67
51) 4-Methyl-2-Pentanone	8.25	43	2255	2.279	ug/l #	63
52) Toluene	7.61	92	19520	4.708	ug/l	94
56) Ethyl methacrylate	8.59	69	1669	1.241	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.61	63	2810	22.866	ug/l	100
59) 2-Hexanone	9.48	43	2152	3.095	ug/l	90
67) Ethyl Benzene	9.88	91	29132	3.764	ug/l	91
68) m/p-Xylenes	10.11	106	18316	6.622	ug/l	80
69) o-Xylene	10.69	106	36171	11.632	ug/l	97
73) Isopropylbenzene	11.11	105	8528	1.028	ug/l	89
80) 1,3,5-Trimethylbenzene	11.81	105	15717	2.387	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	89416	13.130	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	935	3.628	ug/l #	7
95) Naphthalene	14.44	128	386620	91.129	ug/l	98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060733.D
Acq On : 14 Nov 2018 19:24
Operator : VA/AP
Sample : J5925-13RE
Misc : 13.44g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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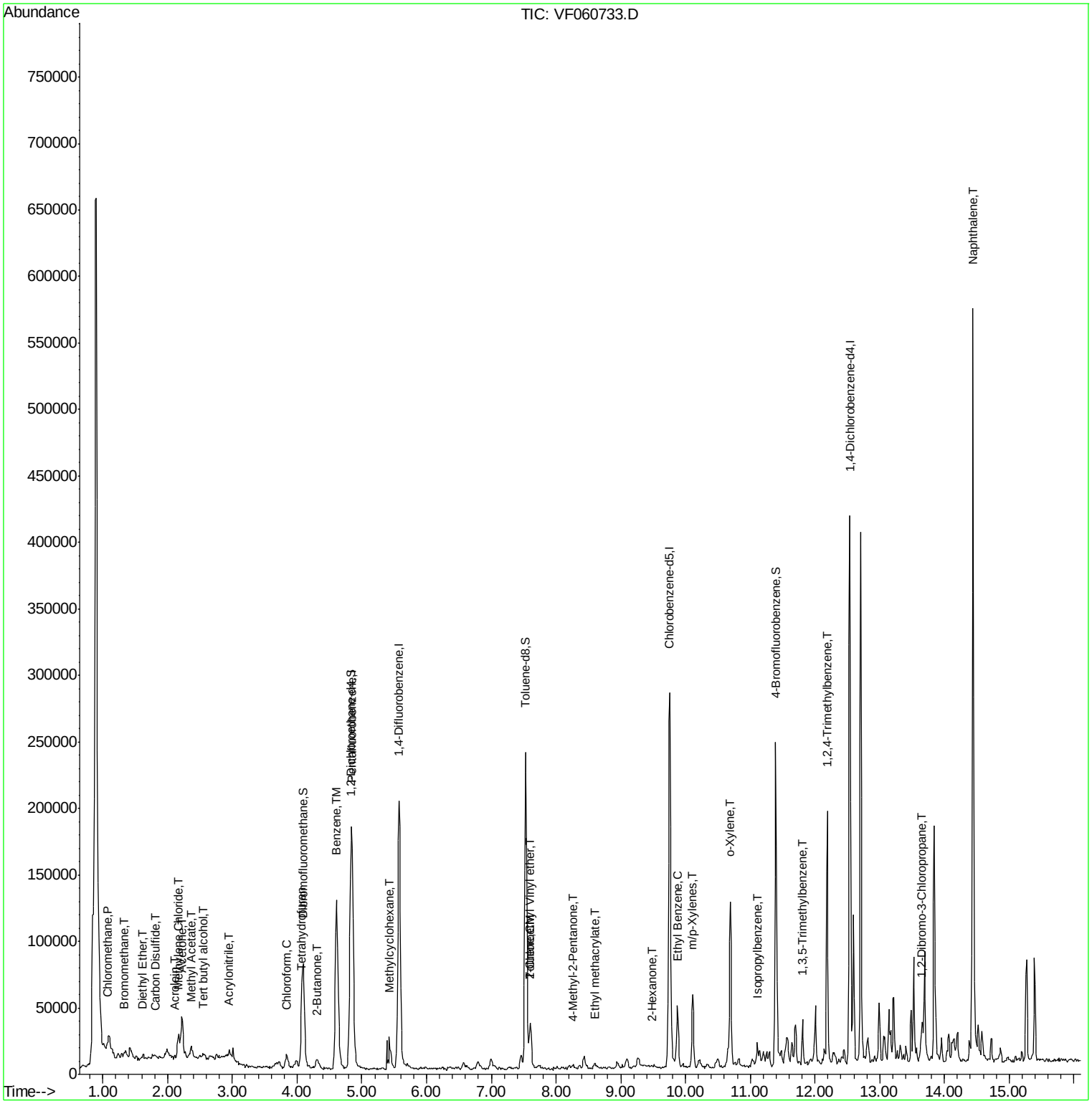
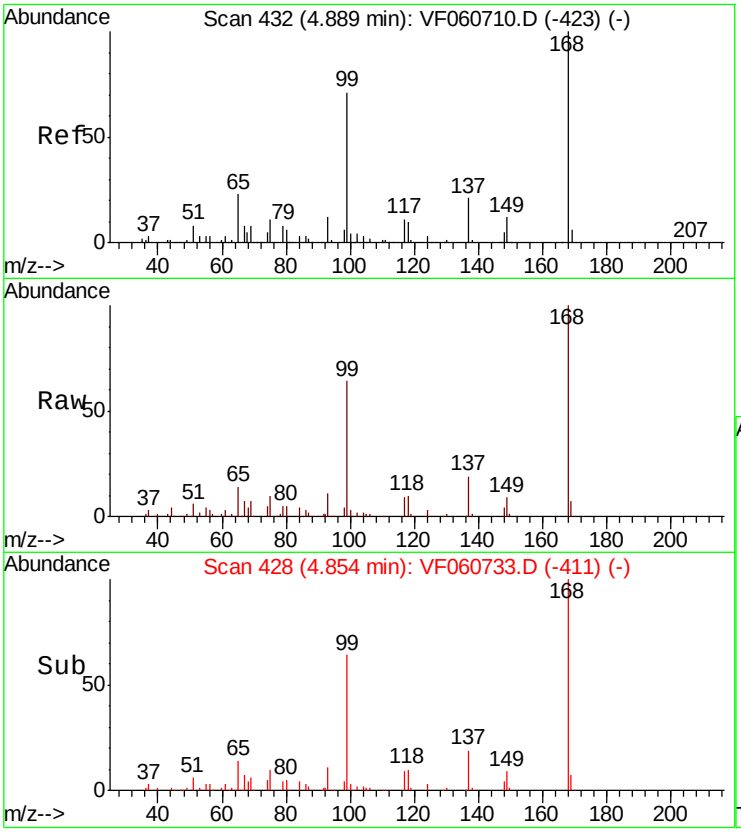
TP-6S1

Quant Time: Nov 15 06:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration



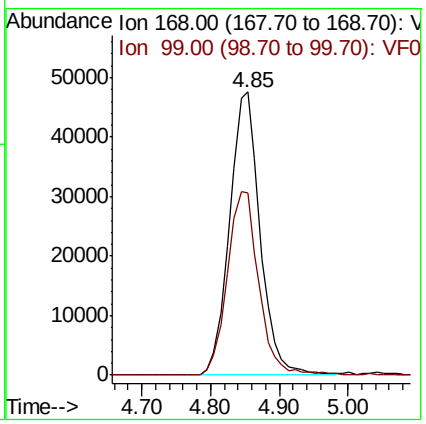


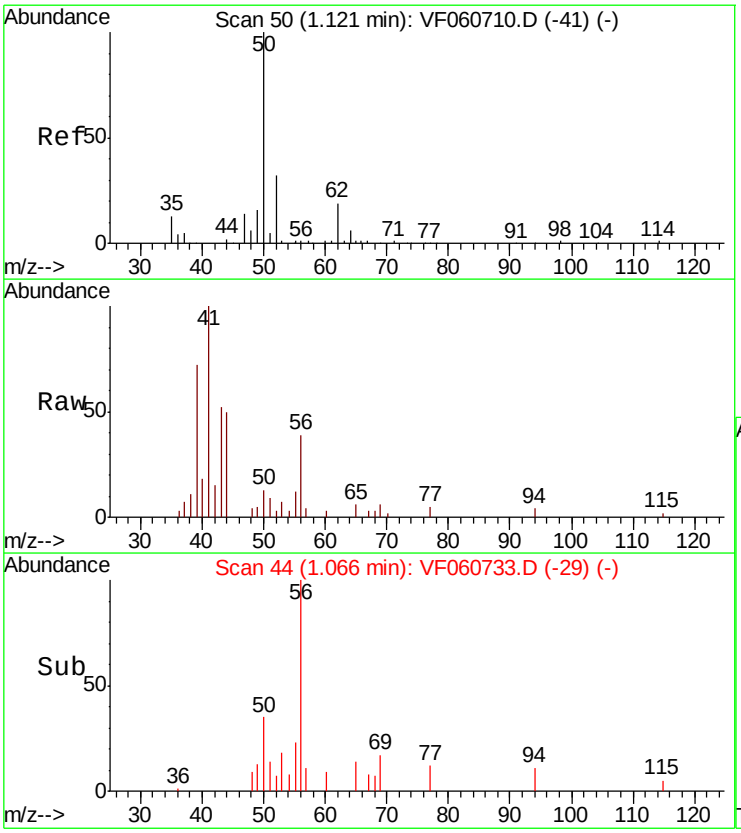
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion:168 Resp: 146001

Ion	Ratio	Lower	Upper
168	100		
99	64.3	57.2	85.8

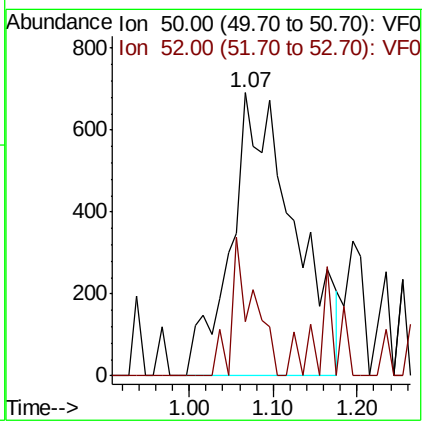


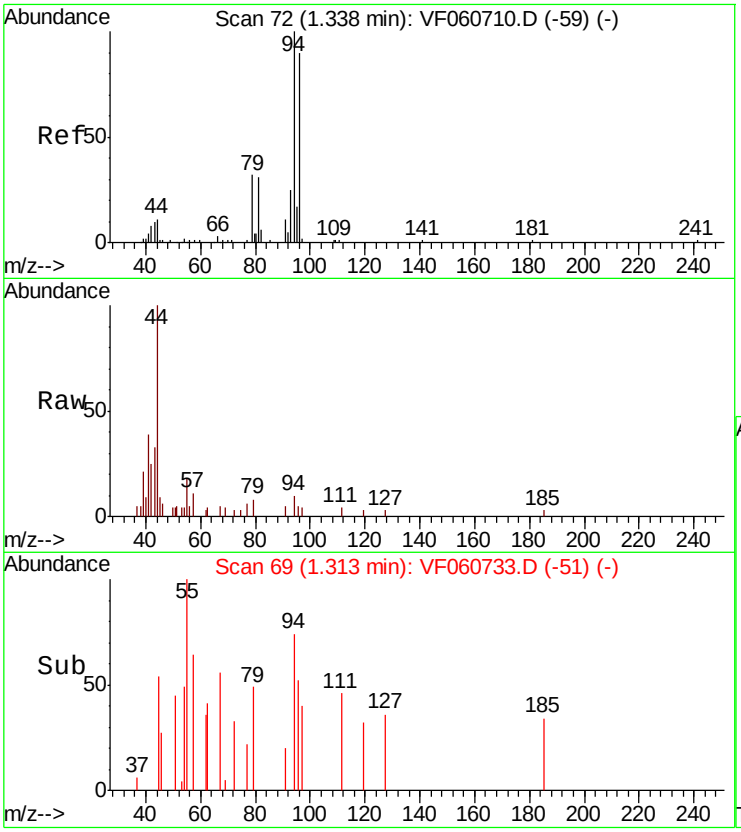


#3
Chloromethane
Concen: 2.261 ug/l
RT: 1.07 min Scan# 44
Delta R.T. -0.05 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 50 Resp: 3664

Ion	Ratio	Lower	Upper
50	100		
52	19.0	24.2	36.2#



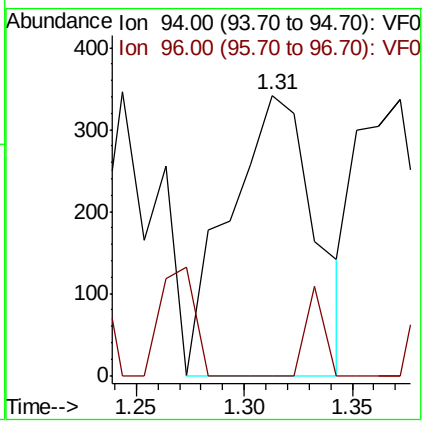


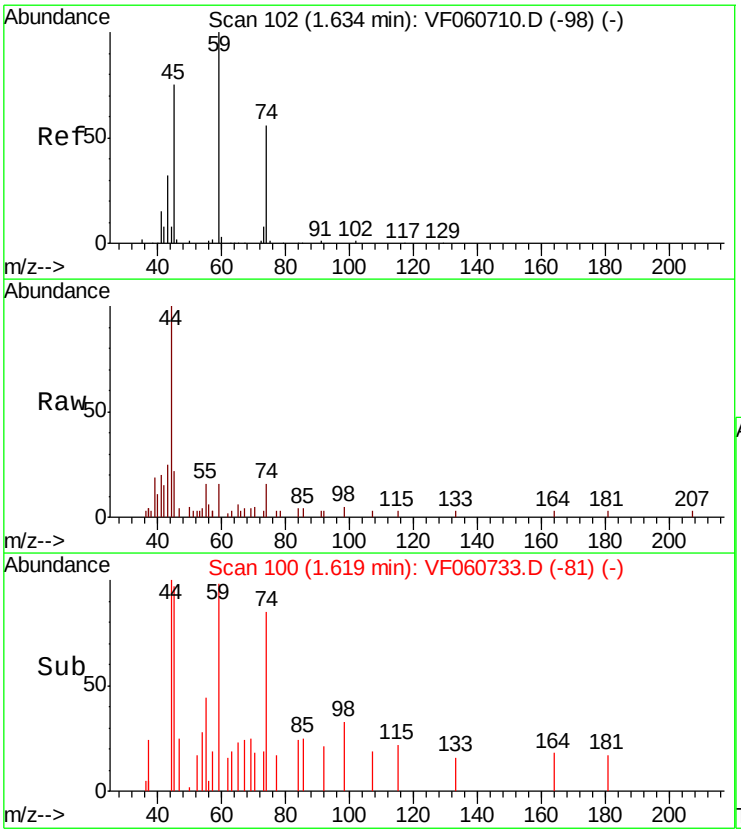
#5
Bromomethane
Concen: 1.023 ug/l
RT: 1.31 min Scan# 69
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 94 Resp: 942

Ion	Ratio	Lower	Upper
94	100		
96	0.0	71.9	107.9#

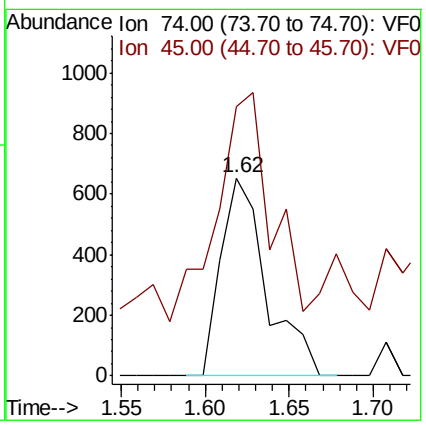


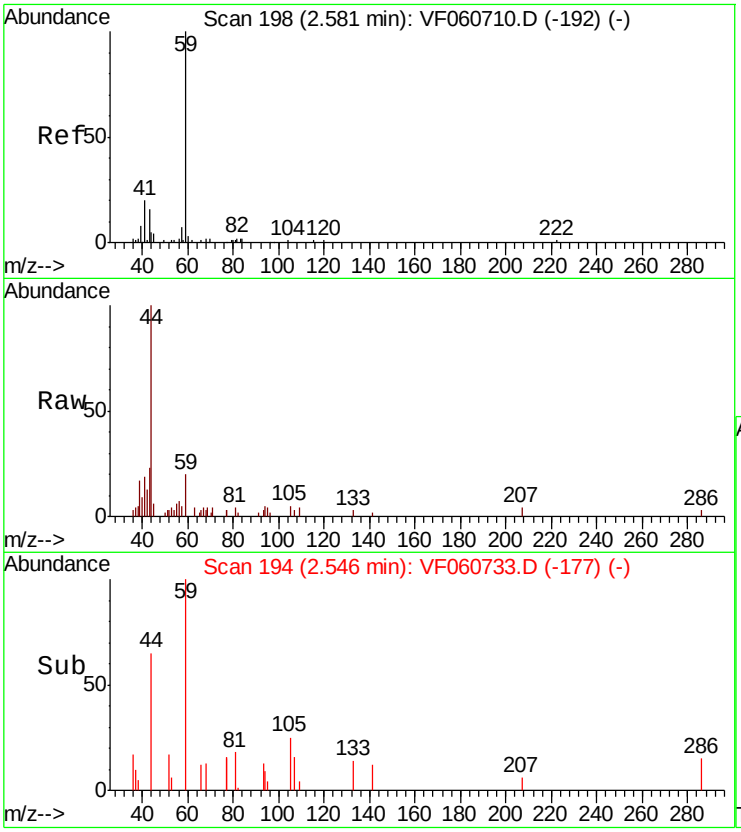


#8
Diethyl Ether
Concen: 2.987 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 74 Resp: 1227

Ion	Ratio	Lower	Upper
74	100		
45	136.1	67.7	203.1



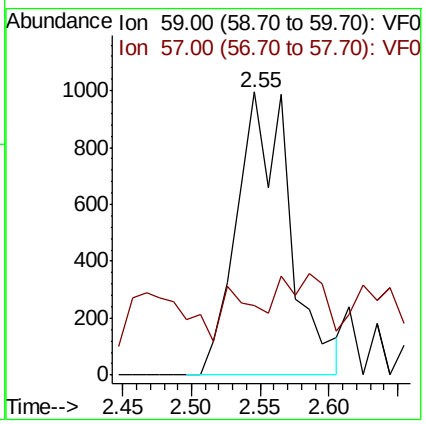


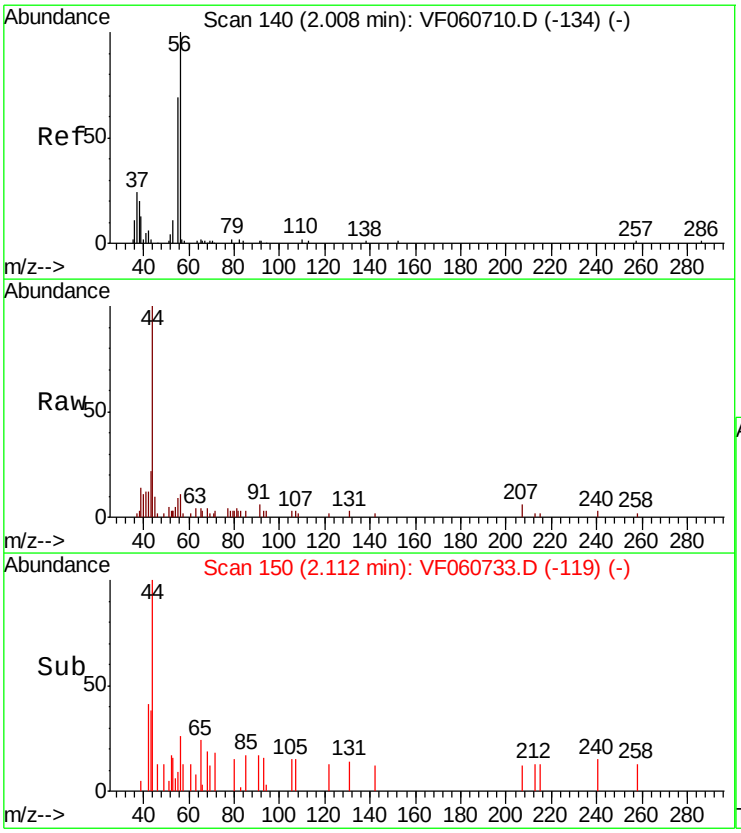
#11
Tert butyl alcohol
Concen: 35.123 ug/l
RT: 2.55 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion: 59 Resp: 2662

Ion	Ratio	Lower	Upper
59	100		
57	24.4	10.5	15.7#

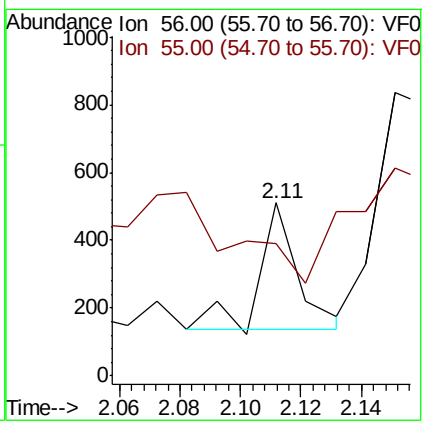


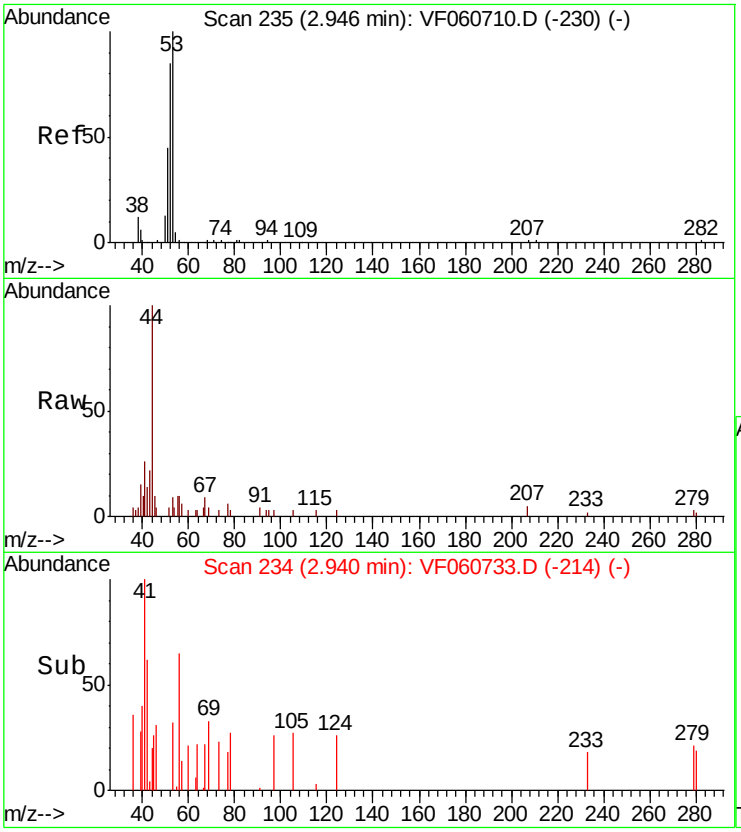


#13
Acrolein
Concen: 4.863 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.10 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 56 Resp: 337

Ion	Ratio	Lower	Upper
56	100		
55	76.9	56.6	85.0



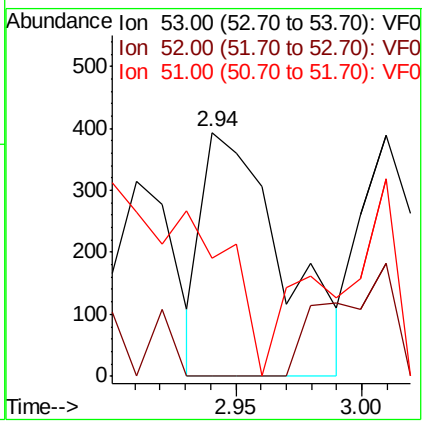


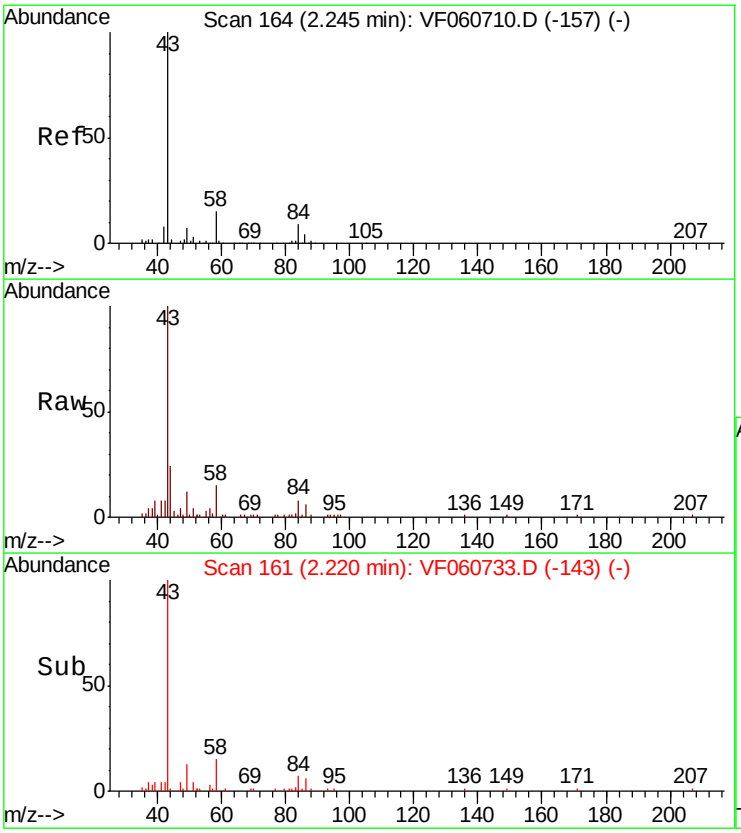
#15
Acrylonitrile
Concen: 5.375 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.01 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion: 53 Resp: 868

Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.8	103.2#
51	48.6	36.7	55.1

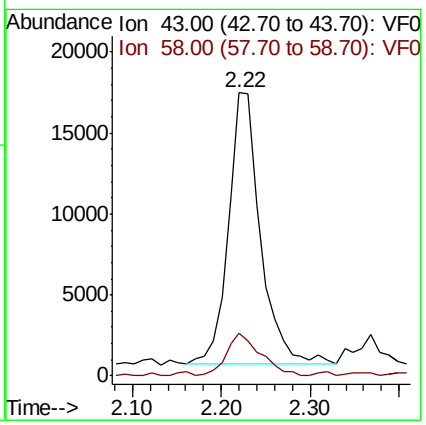


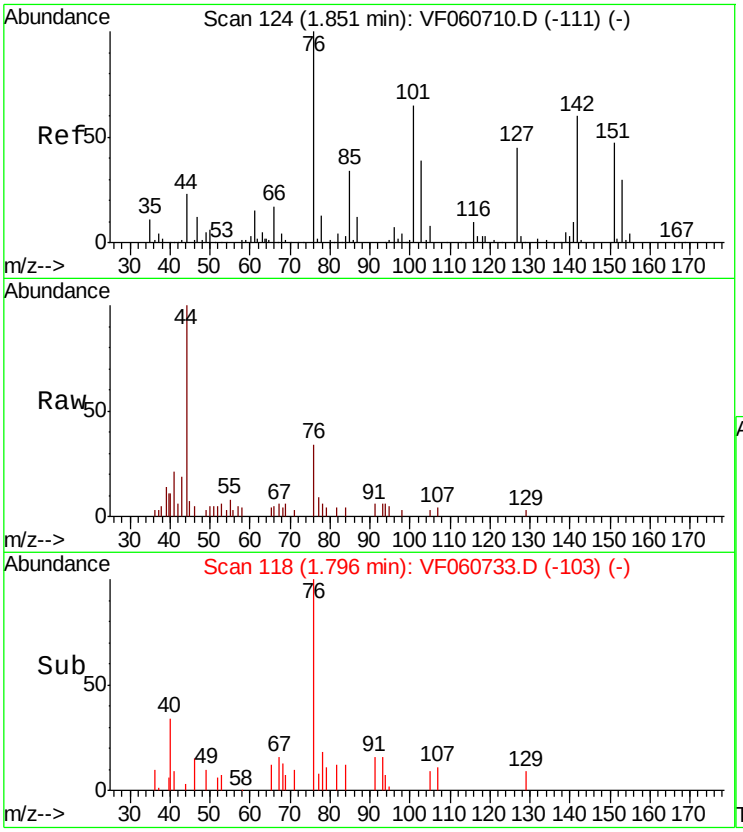


#16
Acetone
Concen: 119.026 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 42367

Ion	Ratio	Lower	Upper
43	100		
58	15.2	11.6	17.4



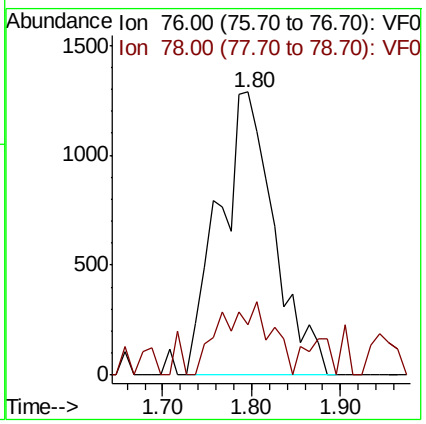


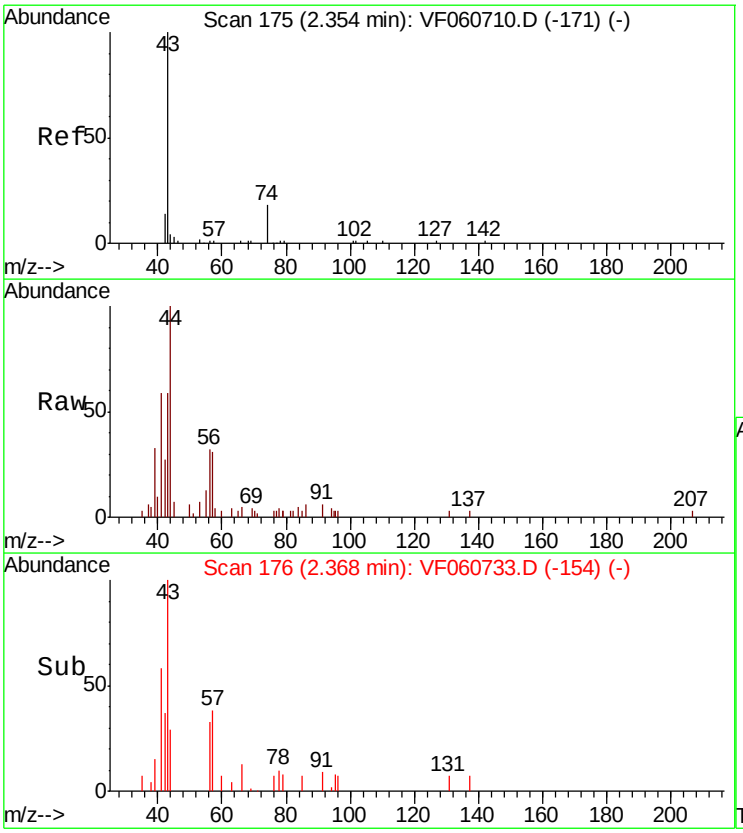
#17
Carbon Disulfide
Concen: 1.542 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.05 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion: 76 Resp: 5551

Ion	Ratio	Lower	Upper
76	100		
78	17.9	10.5	15.7#

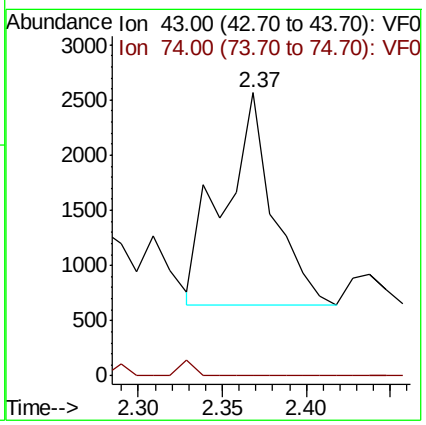


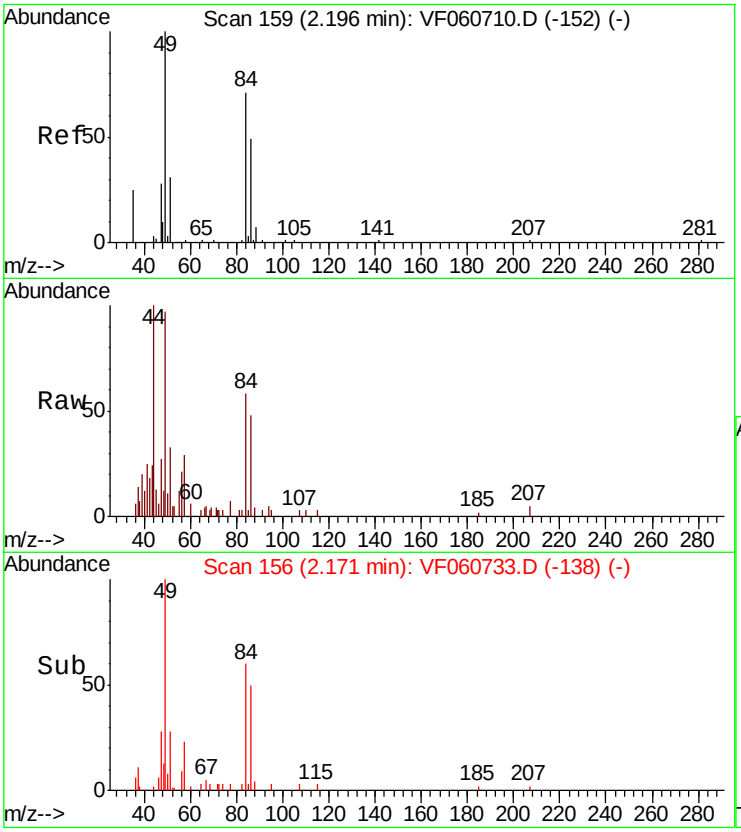


#18
Methyl Acetate
Concen: 6.738 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 3938

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.8	17.8#



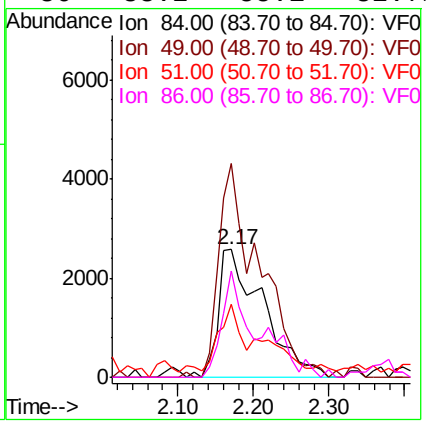


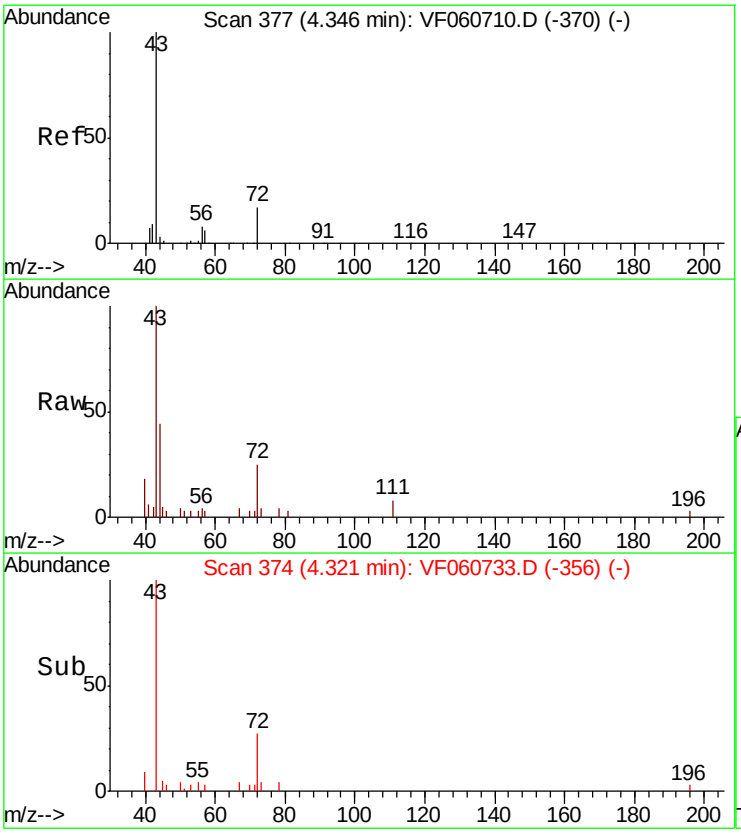
#20
Methylene Chloride
Concen: 6.436 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 84 Resp: 10563

Ion	Ratio	Lower	Upper
84	100		
49	167.5	120.2	180.4
51	57.3	37.2	55.8#
86	83.2	55.1	82.7#

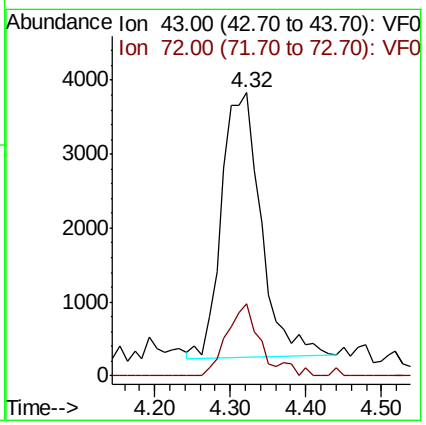


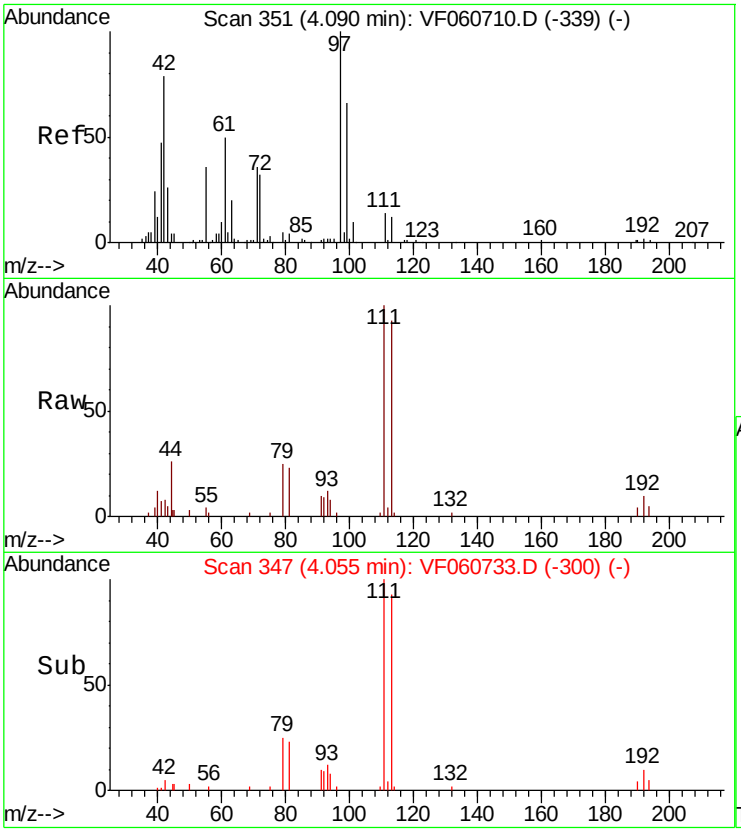


#25
2-Butanone
Concen: 21.997 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 12879

Ion	Ratio	Lower	Upper
43	100		
72	25.3	16.1	24.1#



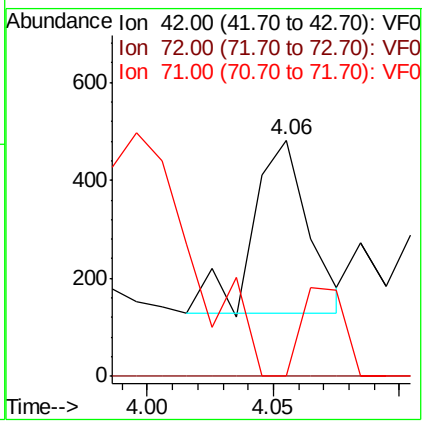


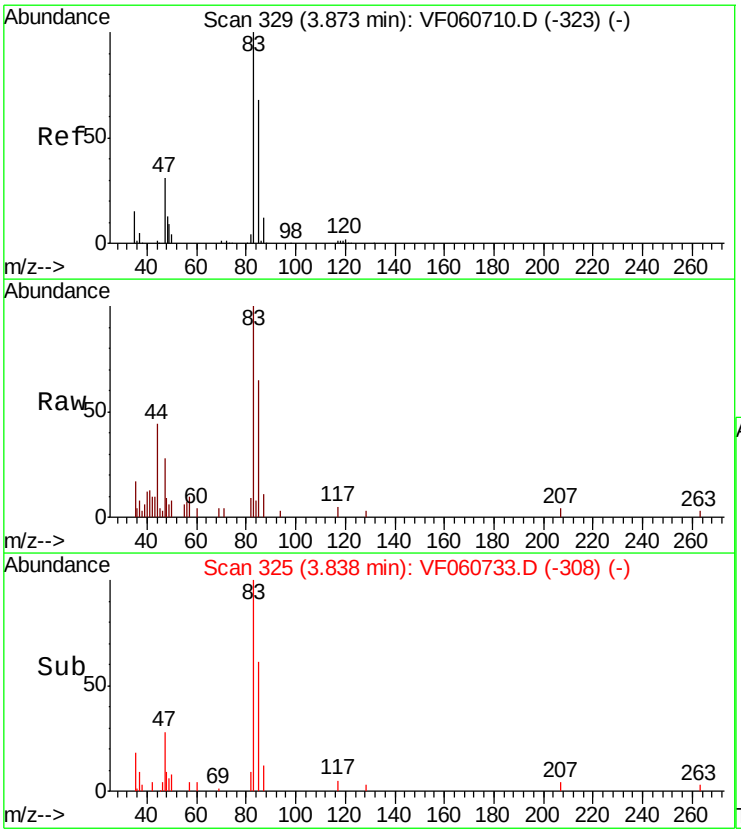
#29
Tetrahydrofuran
Concen: 2.269 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 42 Resp: 548

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	38.5	32.2	48.2

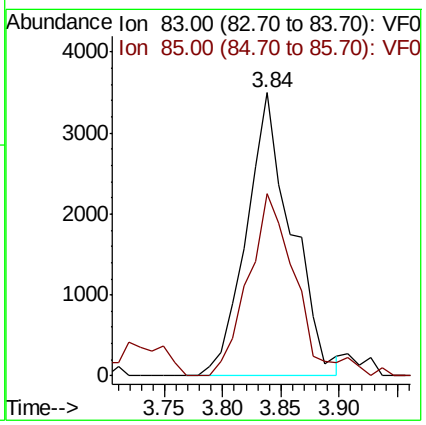


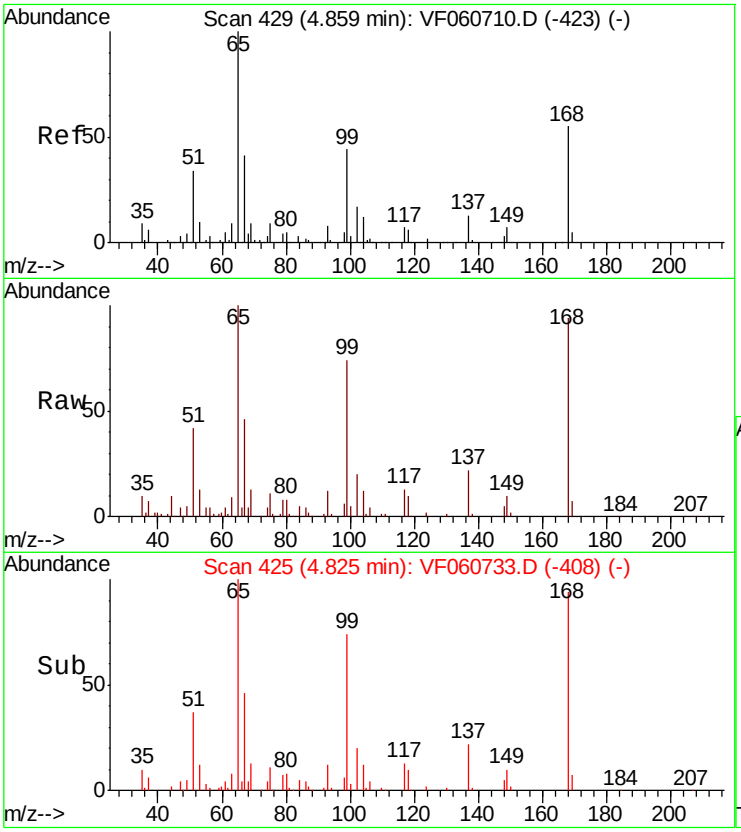


#30
Chloroform
Concen: 2.405 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 83 Resp: 9411

Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.6	82.0



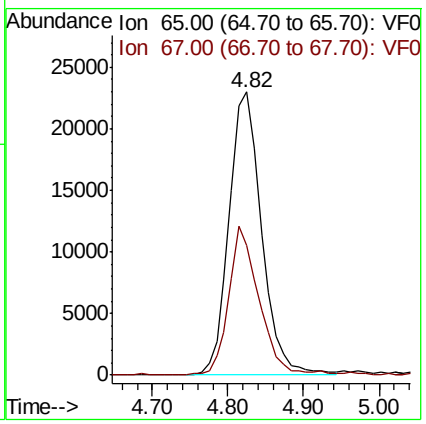


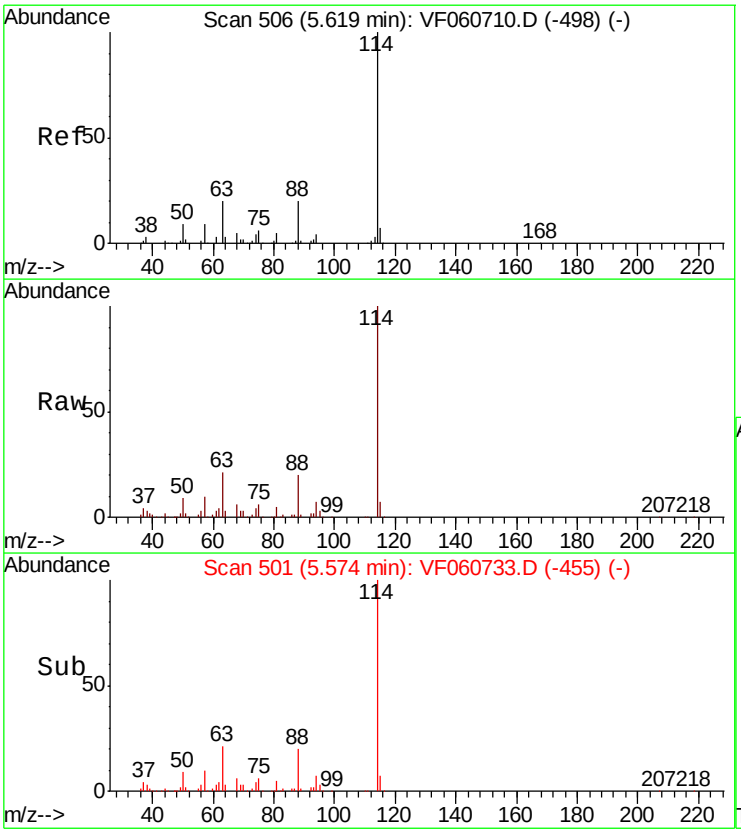
#33
1,2-Dichloroethane-d4
Concen: 41.243 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion: 65 Resp: 68682

Ion	Ratio	Lower	Upper
65	100		
67	45.7	0.0	90.2

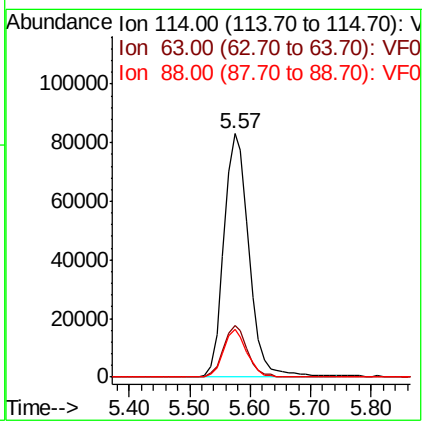


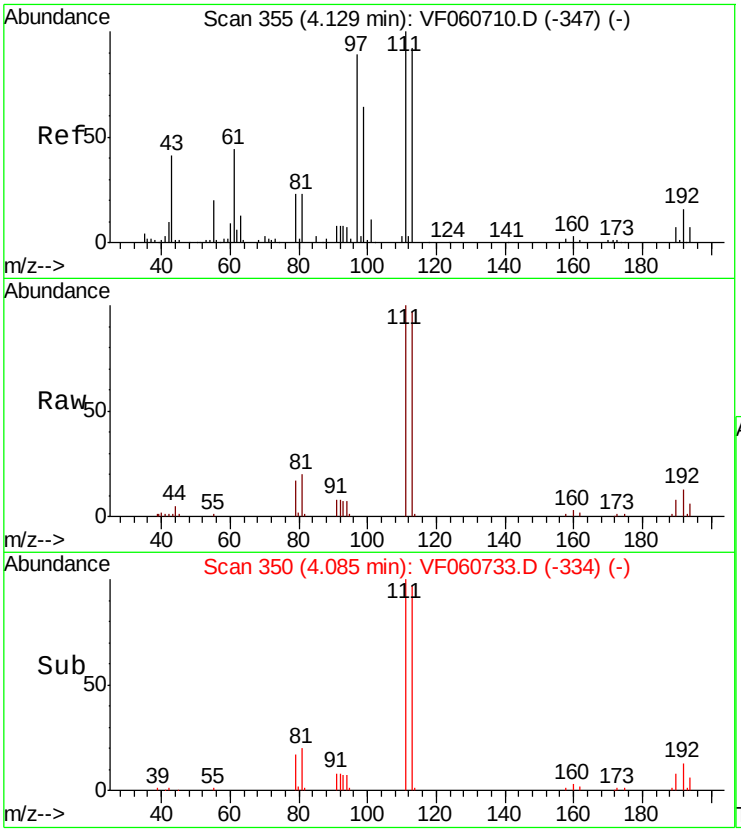


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion:114 Resp: 239301

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.8
88	19.6	0.0	39.6



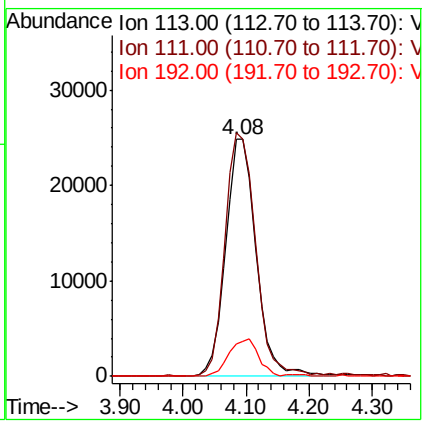


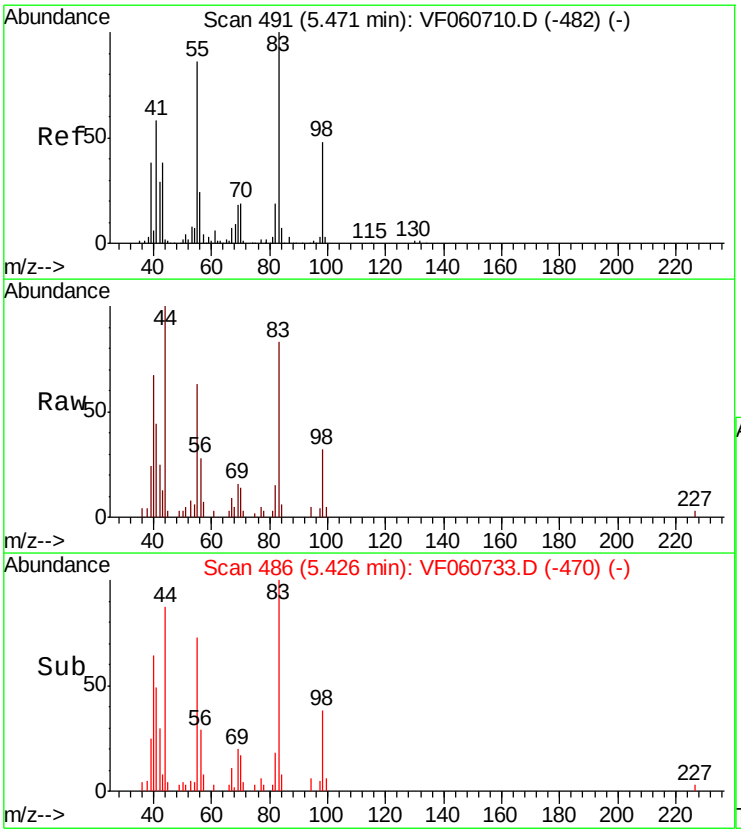
#35
Dibromofluoromethane
Concen: 46.214 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion:113 Resp: 83130

Ion	Ratio	Lower	Upper
113	100		
111	102.7	87.1	130.7
192	13.6	13.8	20.6#

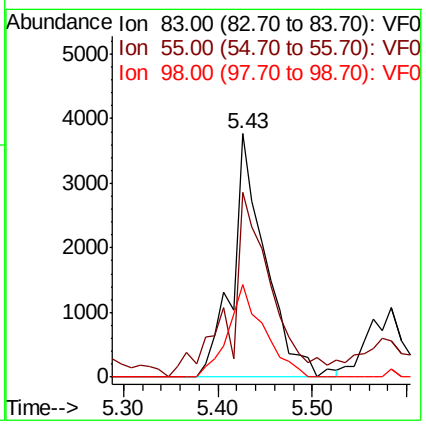


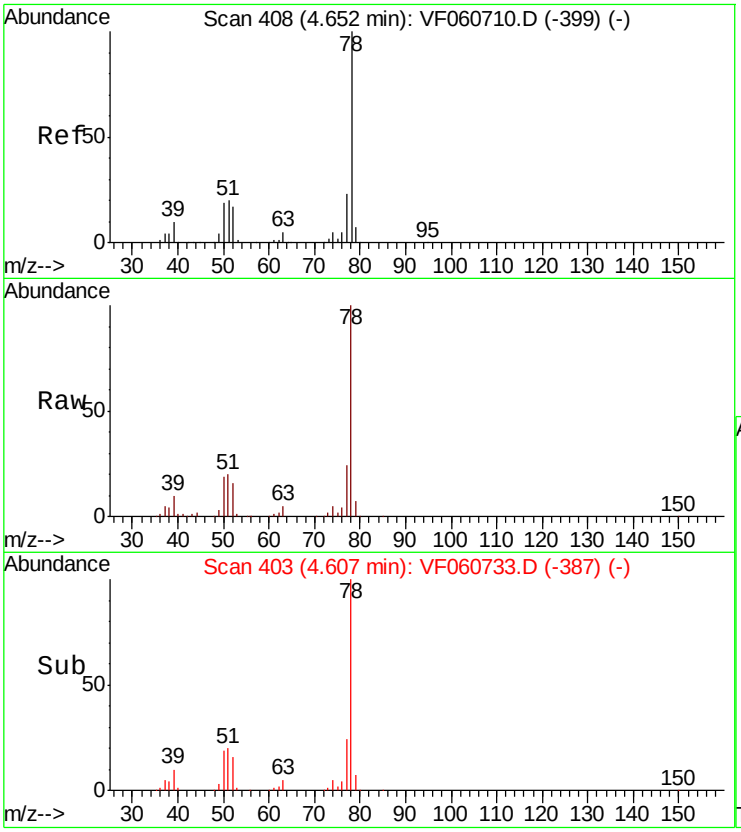


#39
Methylcyclohexane
Concen: 2.857 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 83 Resp: 9199

Ion	Ratio	Lower	Upper
83	100		
55	75.9	69.0	103.4
98	38.0	38.5	57.7#



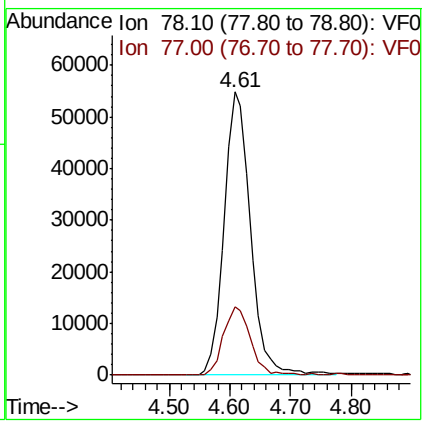


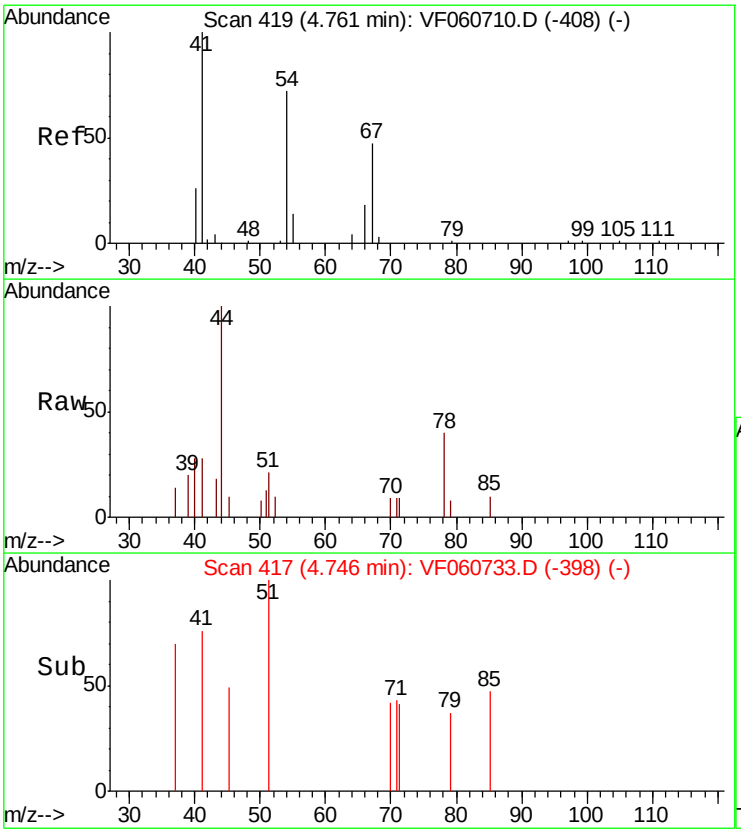
#40
Benzene
Concen: 26.858 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 78 Resp: 166157

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0

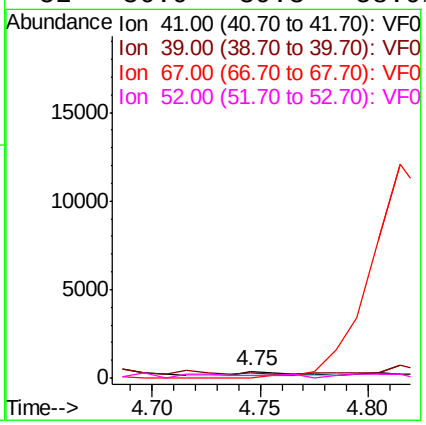


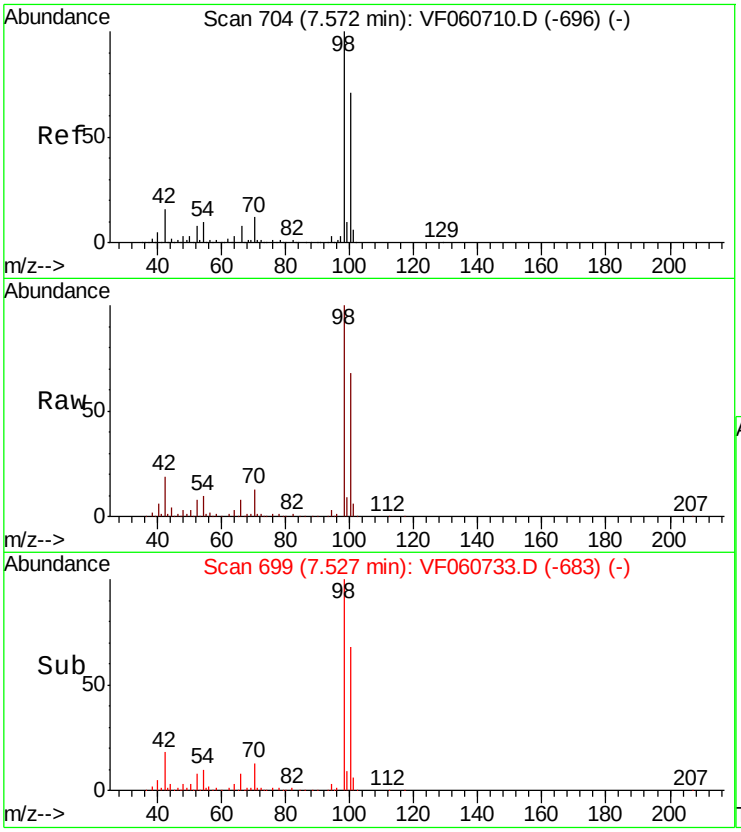


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 41 Resp: 376

Ion	Ratio	Lower	Upper
41	100		
39	71.5	47.1	70.7#
67	0.0	37.1	55.7#
52	36.9	39.3	58.9#



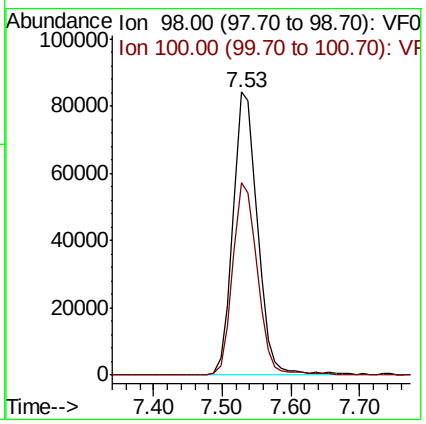


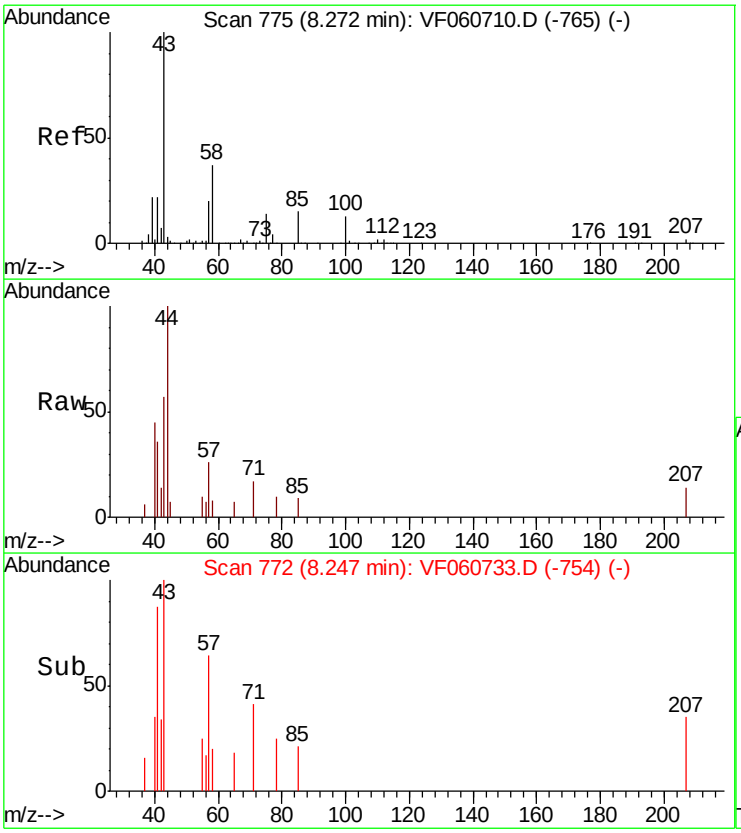
#50
Toluene-d8
Concen: 44.712 ug/l
RT: 7.53 min Scan# 699
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 98 Resp: 208183

Ion	Ratio	Lower	Upper
98	100		
100	68.2	56.5	84.7

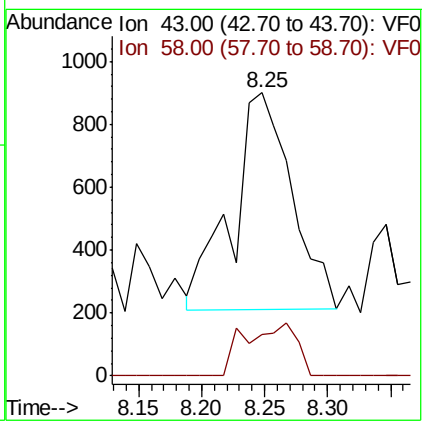


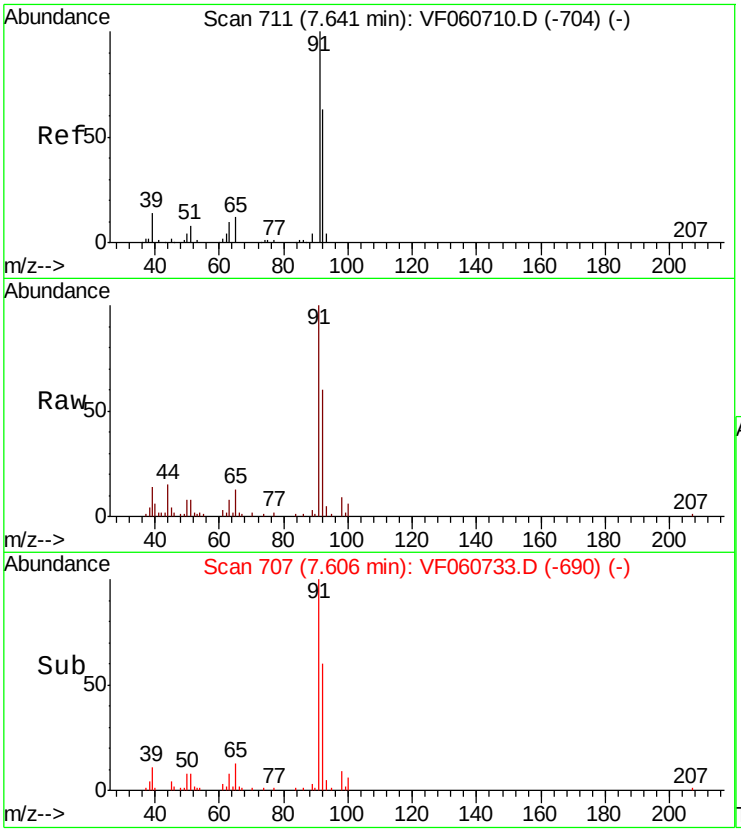


#51
4-Methyl-2-Pentanone
Concen: 2.279 ug/l
RT: 8.25 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 2255

Ion	Ratio	Lower	Upper
43	100		
58	14.6	29.2	43.8#



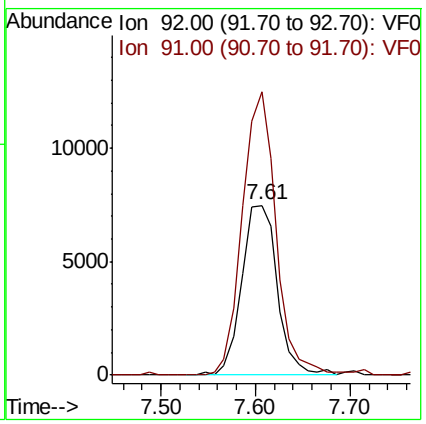


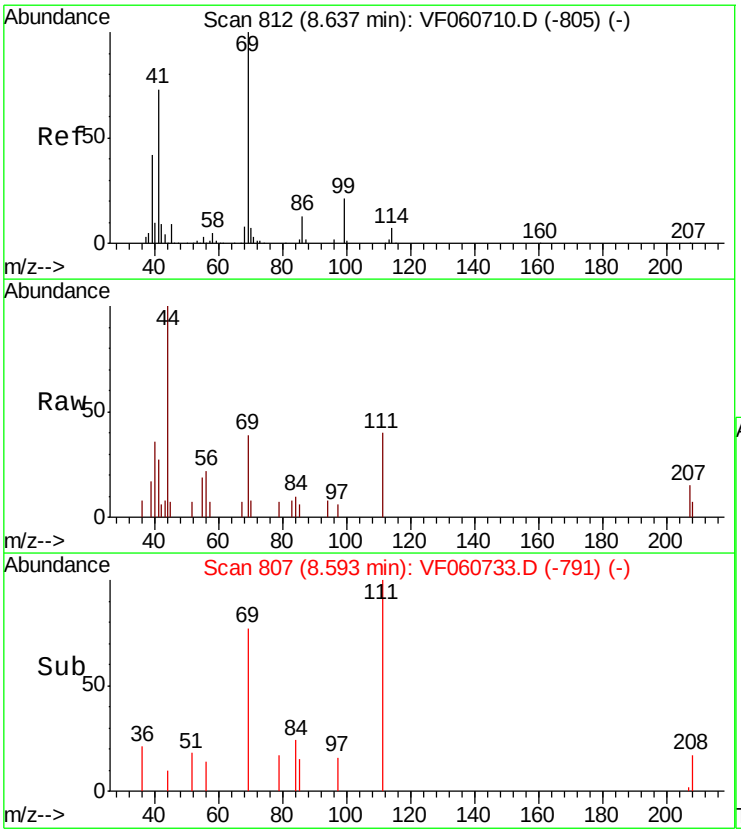
#52
Toluene
Concen: 4.708 ug/l
RT: 7.61 min Scan# 707
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 92 Resp: 19520

Ion	Ratio	Lower	Upper
92	100		
91	166.4	126.7	190.1

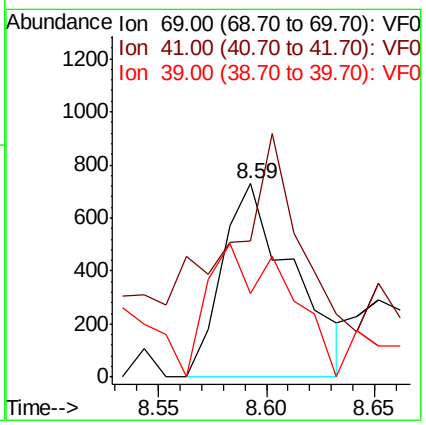


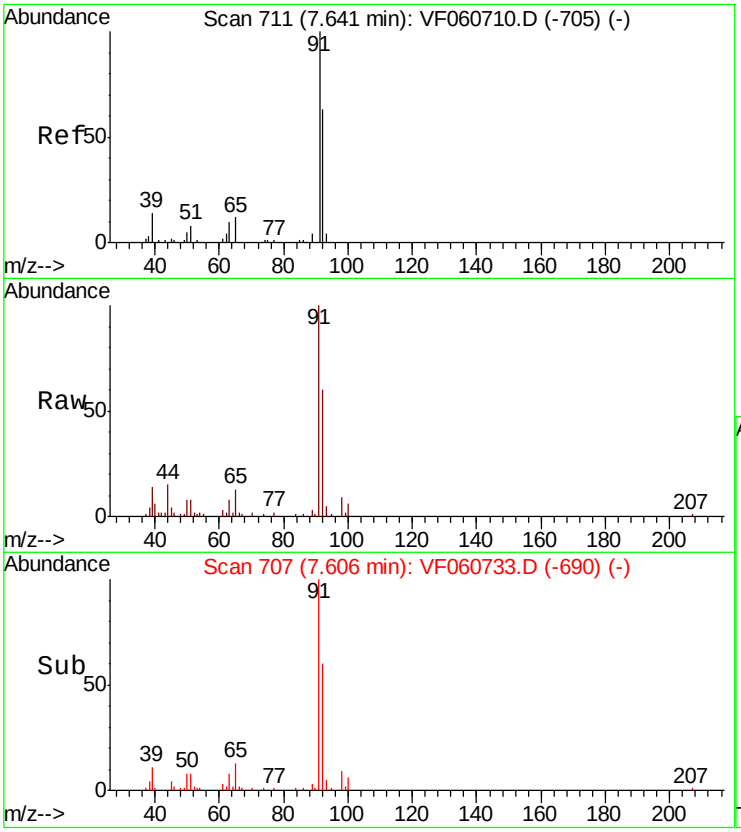


#56
Ethyl methacrylate
Concen: 1.241 ug/l
RT: 8.59 min Scan# 807
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 69 Resp: 1669

Ion	Ratio	Lower	Upper
69	100		
41	70.5	59.0	88.6
39	43.5	34.0	51.0



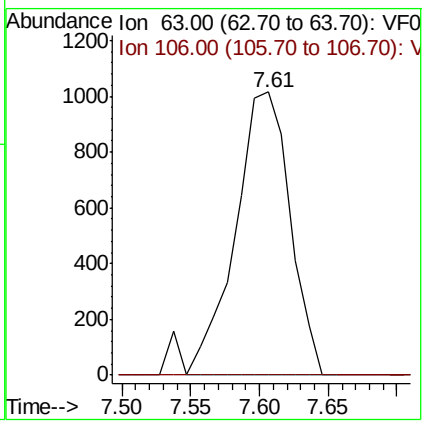


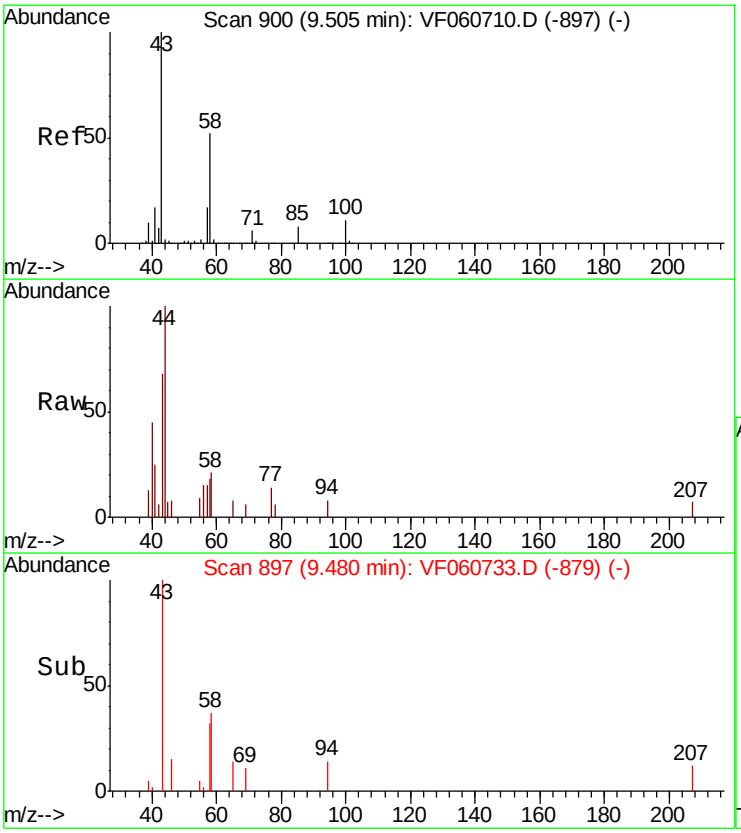
#58
2-Chloroethyl Vinyl ether
Concen: 22.866 ug/l
RT: 7.61 min Scan# 707
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 63 Resp: 2810

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

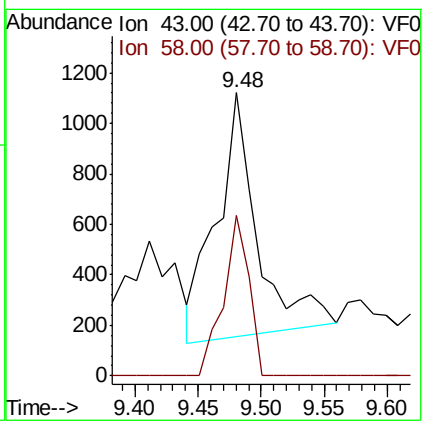


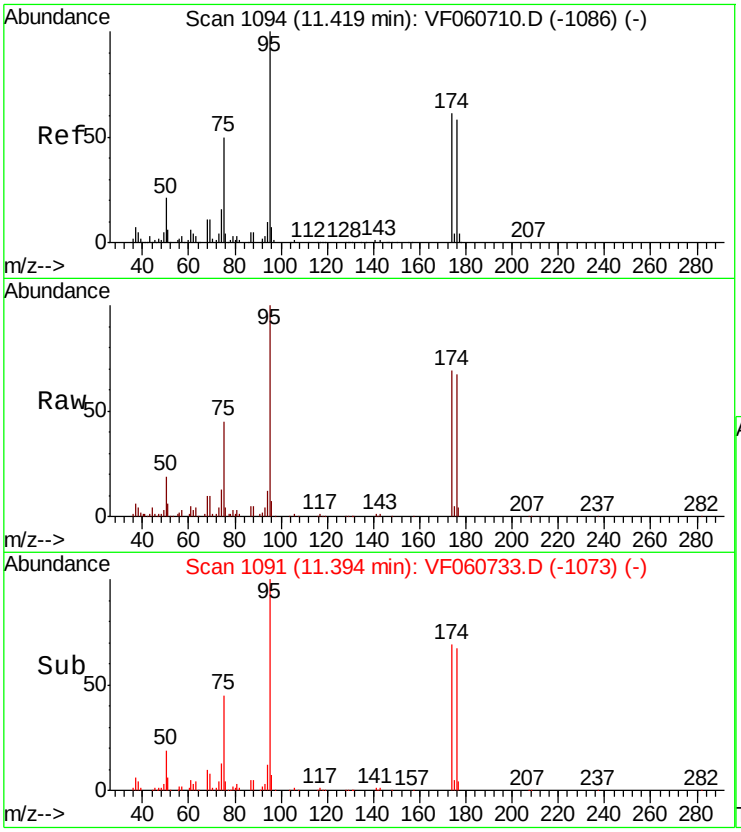


#59
2-Hexanone
Concen: 3.095 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 2152

Ion	Ratio	Lower	Upper
43	100		
58	56.6	24.9	74.7



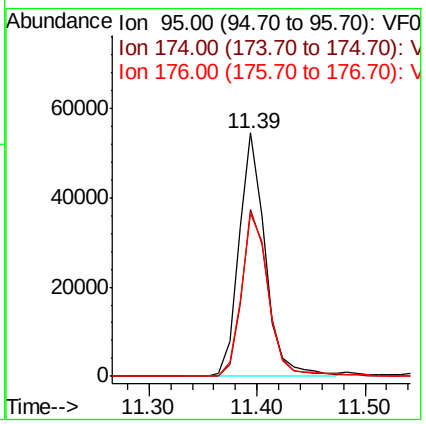


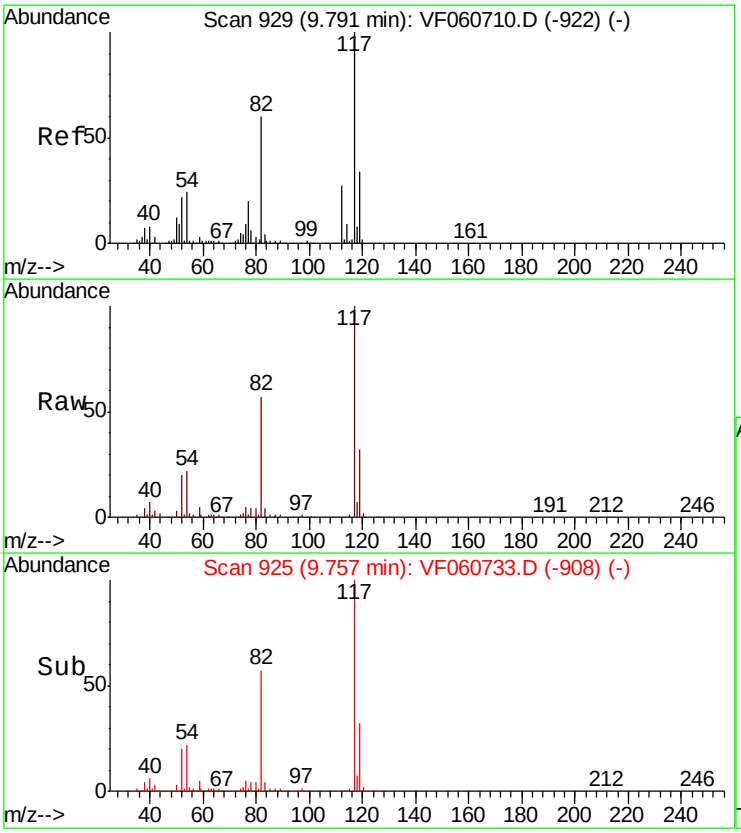
#62
4-Bromofluorobenzene
Concen: 42.335 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 95 Resp: 91438

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	121.6
176	66.9	0.0	115.2

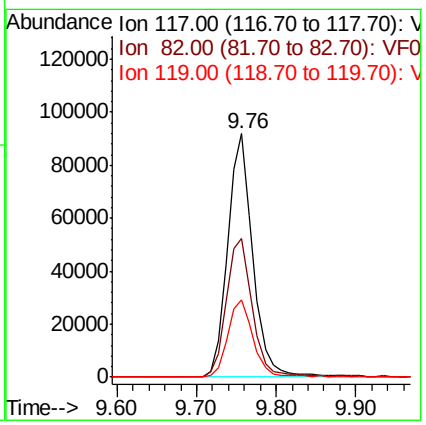


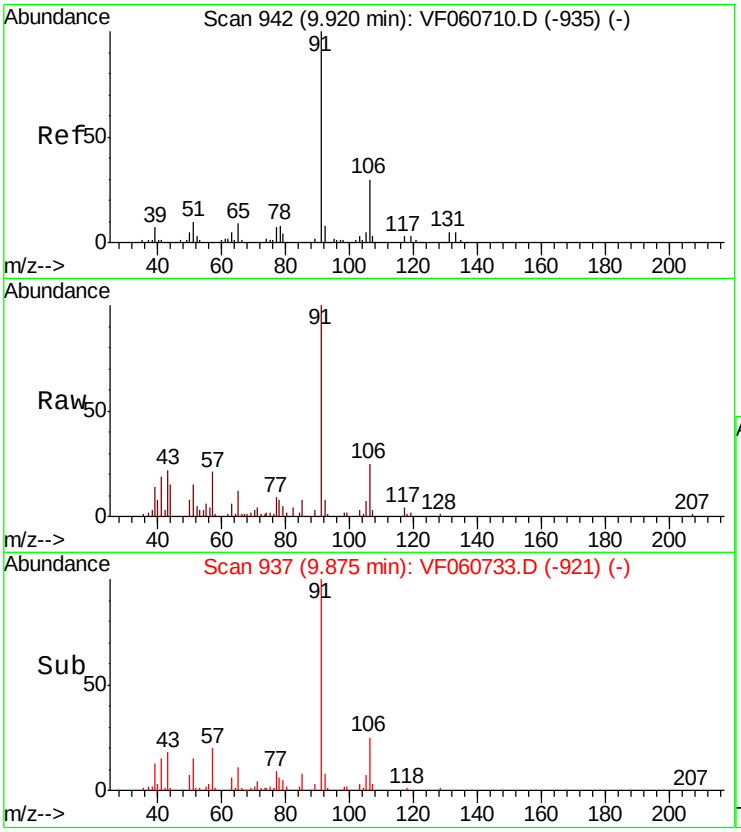


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion:117 Resp: 203467

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.9	71.9
119	31.9	26.8	40.2



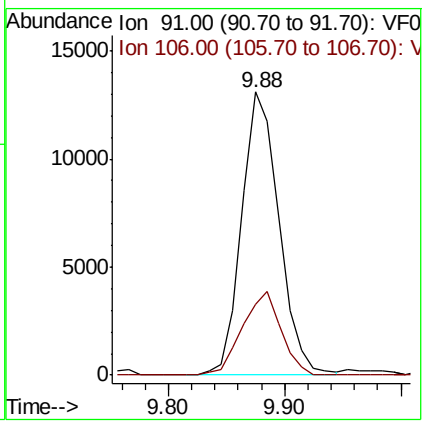


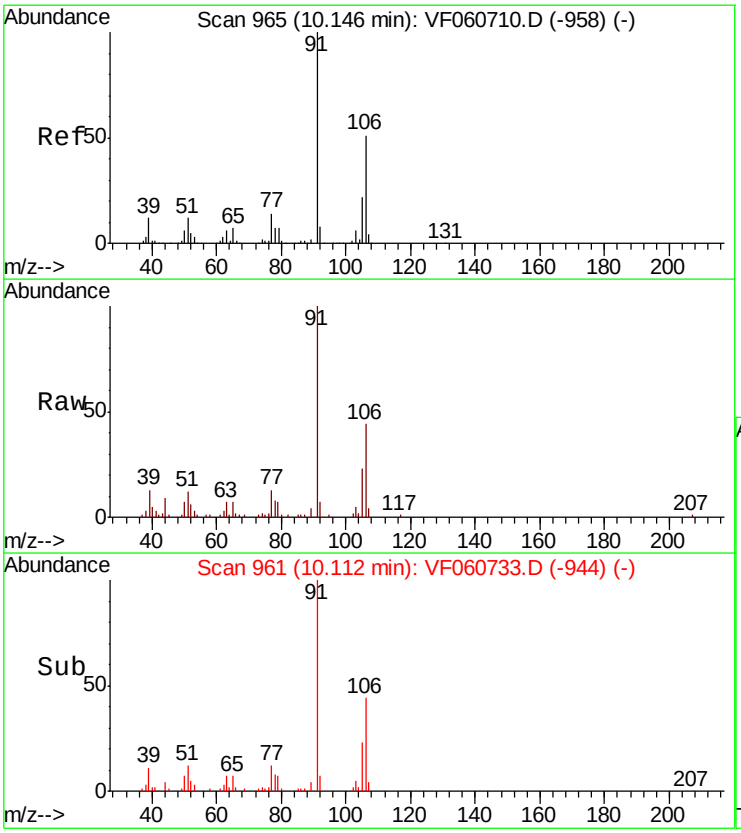
#67
Ethyl Benzene
Concen: 3.764 ug/l
RT: 9.88 min Scan# 937
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion: 91 Resp: 29132

Ion	Ratio	Lower	Upper
91	100		
106	25.2	23.9	35.9

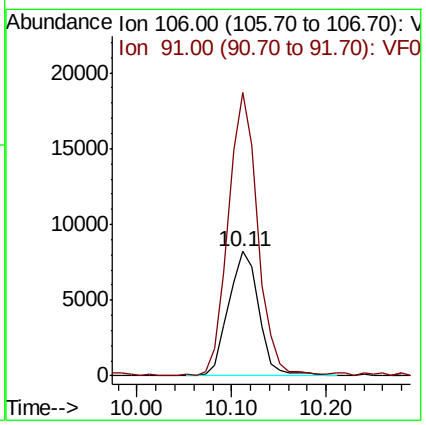


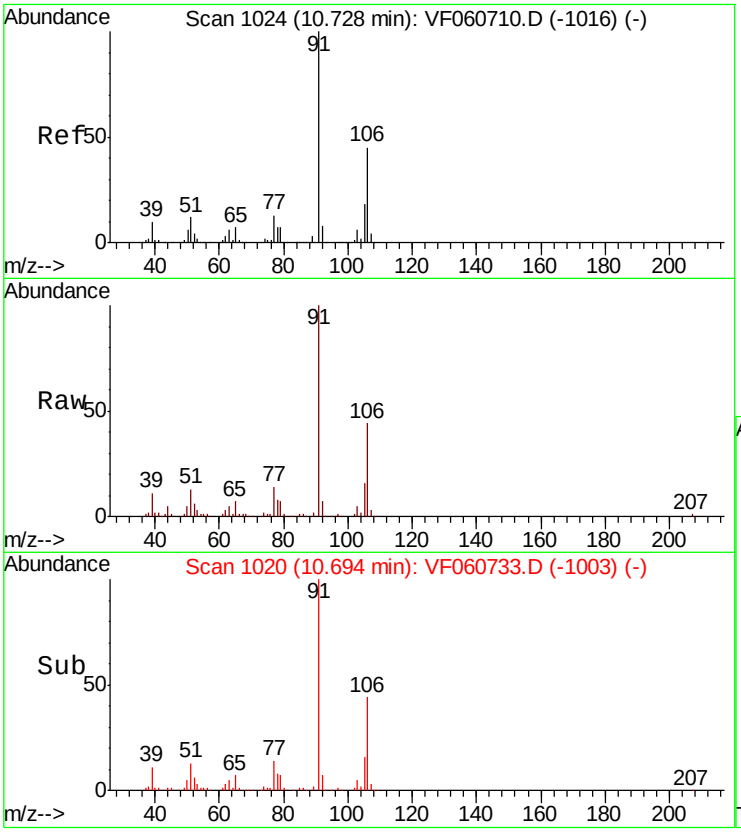


#68
m/p-Xylenes
Concen: 6.622 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion:106 Resp: 18316

Ion	Ratio	Lower	Upper
106	100		
91	227.6	158.2	237.2



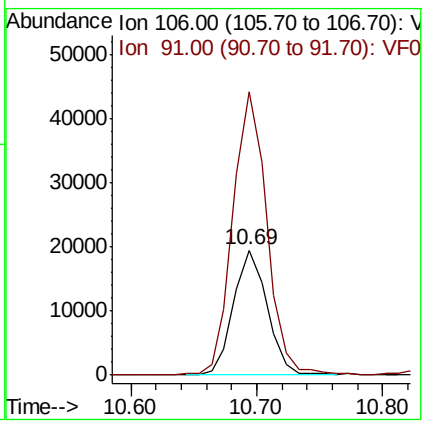


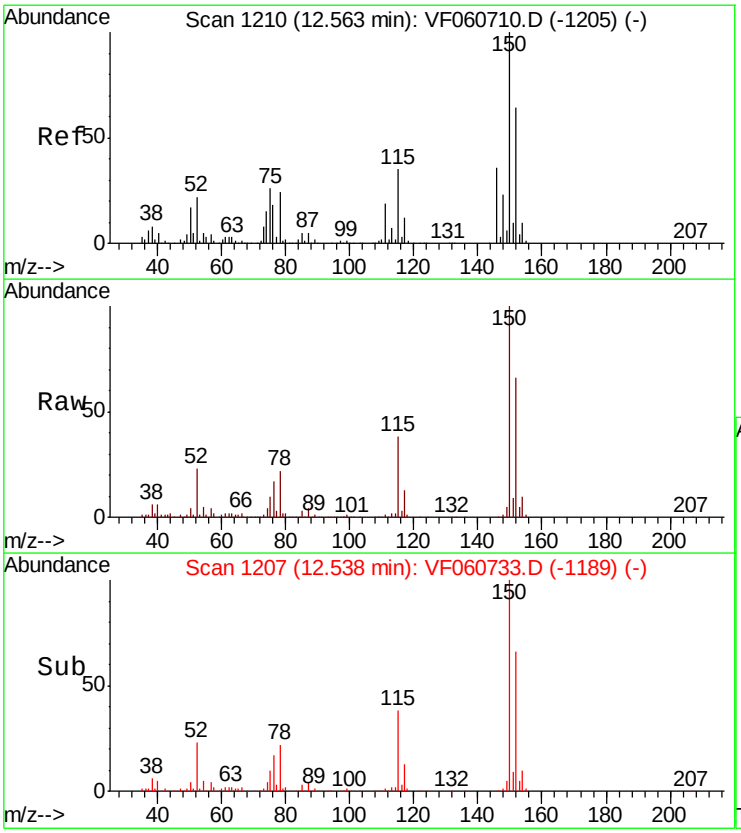
#69
o-Xylene
Concen: 11.632 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion:106 Resp: 36171

Ion	Ratio	Lower	Upper
106	100		
91	226.1	110.3	330.9

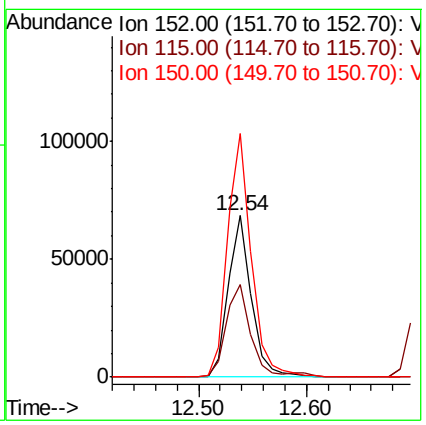


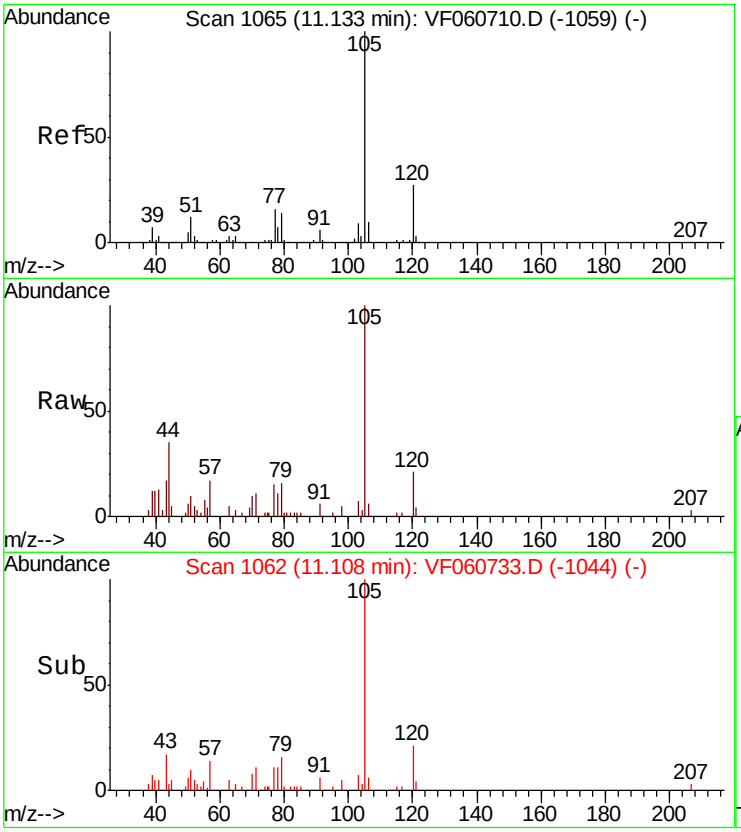


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion:152 Resp: 103039

Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.9	83.7
150	150.9	0.0	316.4



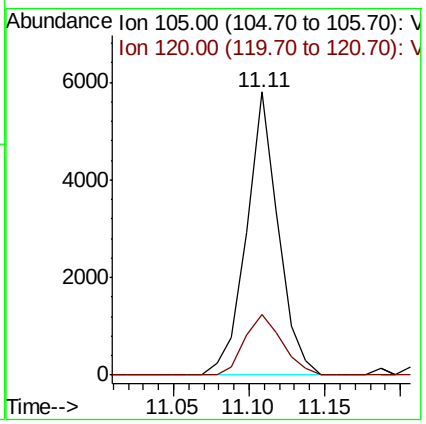


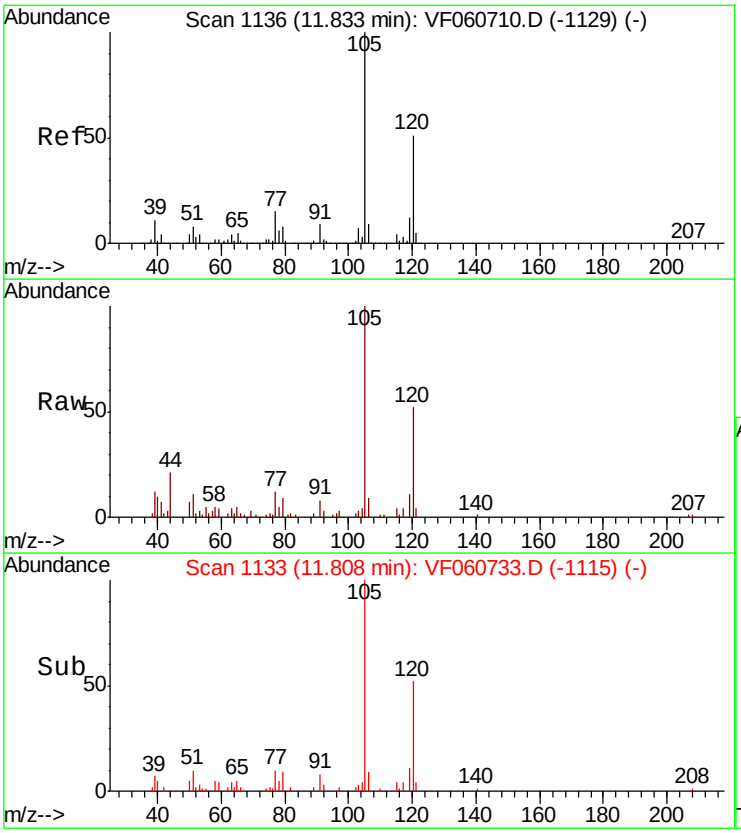
#73
Isopropylbenzene
Concen: 1.028 ug/l
RT: 11.11 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument : MSVOA_F
ClientSampleId : TP-6S1

Tgt Ion:105 Resp: 8528

Ion	Ratio	Lower	Upper
105	100		
120	21.2	13.4	40.1

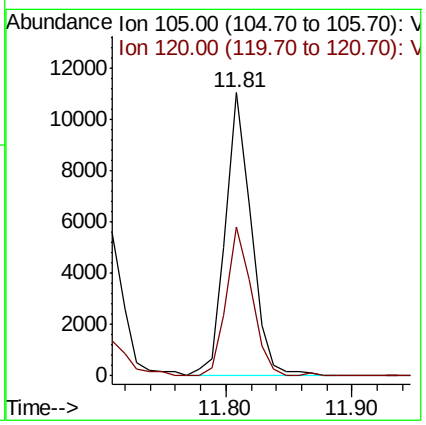


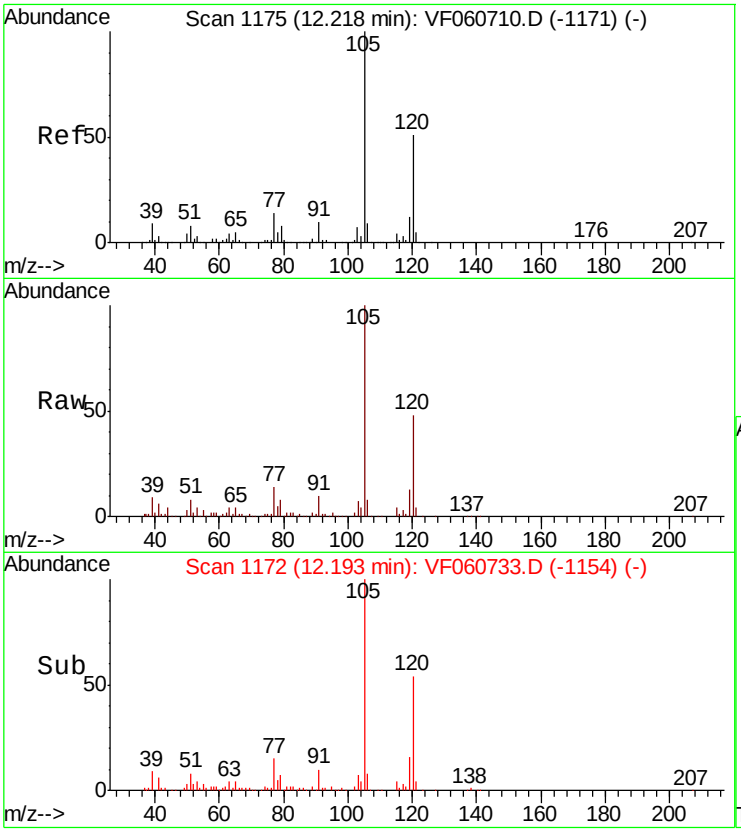


#80
1,3,5-Trimethylbenzene
Concen: 2.387 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion:105 Resp: 15717

Ion	Ratio	Lower	Upper
105	100		
120	52.4	25.6	76.8



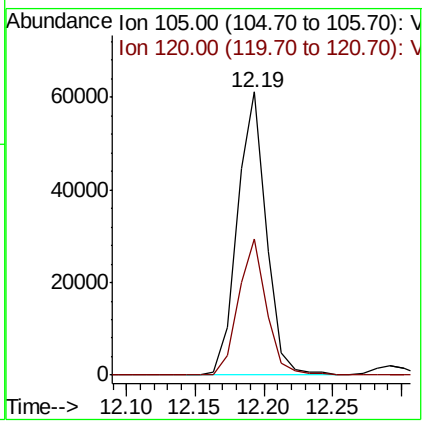


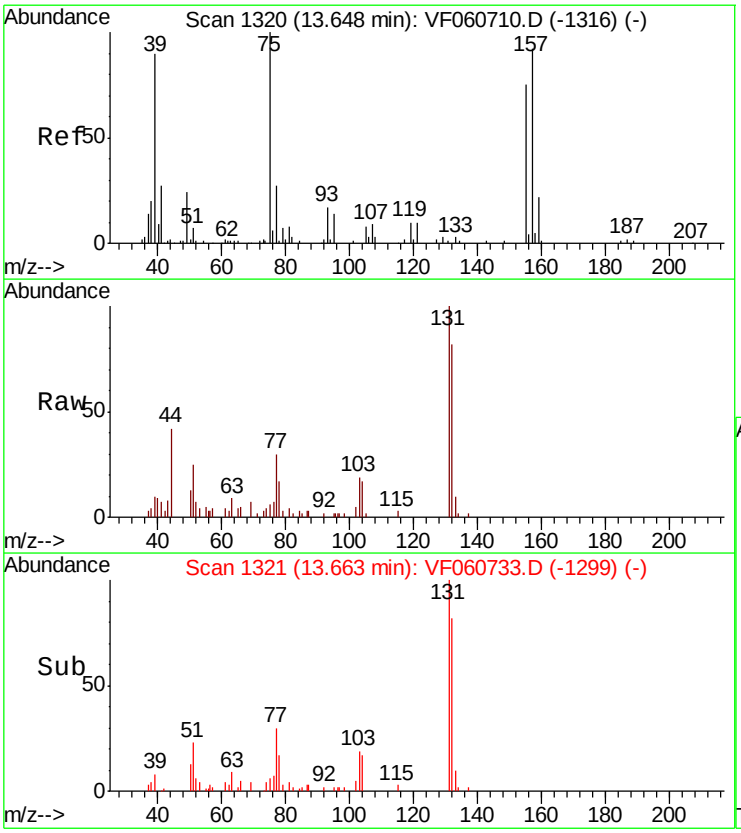
#84
1,2,4-Trimethylbenzene
Concen: 13.130 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion:105 Resp: 89416

Ion	Ratio	Lower	Upper
105	100		
120	48.3	25.5	76.5

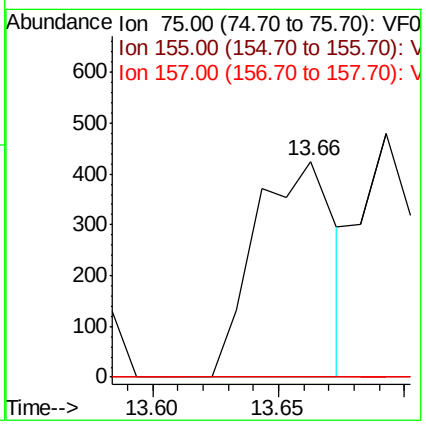


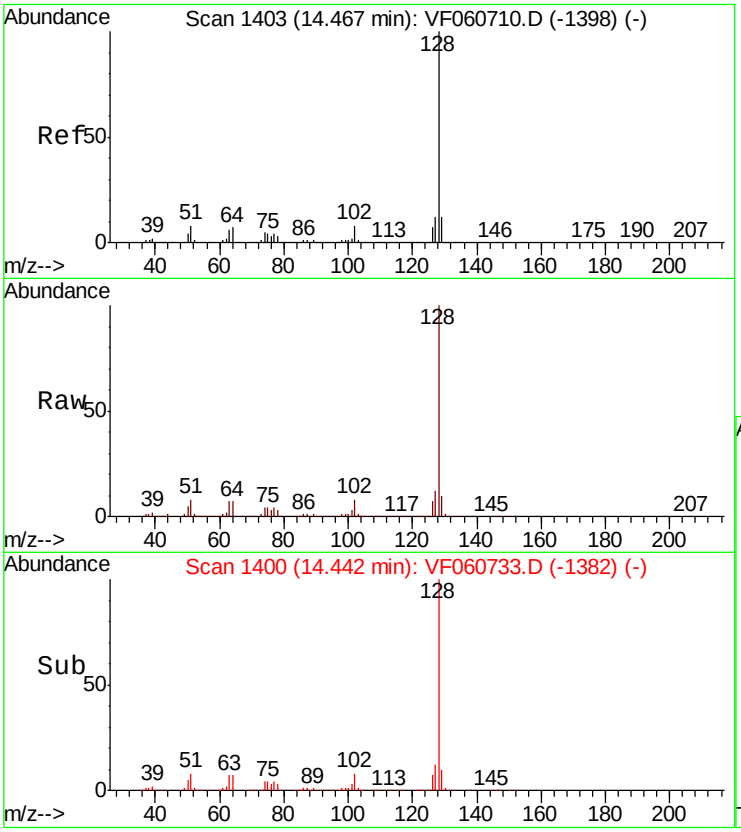


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.628 ug/l
RT: 13.66 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 75 Resp: 935

Ion	Ratio	Lower	Upper
75	100		
155	0.0	37.4	112.2#
157	0.0	46.0	138.0#





#95
Naphthalene
Concen: 91.129 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion:128 Resp: 386620

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	10.2	9.3	13.9