Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100318\
Data File : VF060428.D
Acq On : 3 Oct 2018 21:29
Operator : VA/AP
Sample : J5194-03
Misc : 6.89/5mL/MSVOA_F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Quant Time: Oct 04 05:24:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	278206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	495207	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	380178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	140735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	219897	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery = 101.02%			
35) Dibromofluoromethane	4.27	113	244939	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery = 105.30%			
50) Toluene-d8	7.69	98	458594	40.03	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.06%			
62) 4-Bromofluorobenzene	11.50	95	191885	36.68	ug/l	0.00
Spiked Amount 50.000			Recovery = 73.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	757	Below Cal	#	43
11) Tert butyl alcohol	2.67	59	655	2.487	ug/l #	1
13) Acrolein	2.06	56	822	3.882	ug/l	100
15) Acrylonitrile	3.07	53	1733	3.841	ug/l #	66
16) Acetone	2.16	43	1276	Below Cal		93
18) Methyl Acetate	2.44	43	1385	Below Cal	#	77
20) Methylene Chloride	2.27	84	13377	Below Cal		97
25) 2-Butanone	4.49	43	1232	1.093	ug/l	93
29) Tetrahydrofuran	4.25	42	1182	Below Cal	#	84
49) 1,4-Dioxane	6.86	88	64	3.660	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	4651	2.312	ug/l #	82
52) Toluene	7.76	92	11294	1.372	ug/l	79
58) 2-Chloroethyl Vinyl ether	7.76	63	2287	7.551	ug/l	100
59) 2-Hexanone	9.61	43	5454	3.697	ug/l	64
67) Ethyl Benzene	10.02	91	17561	1.183	ug/l	96
68) m/p-Xylenes	10.25	106	14346	2.810	ug/l	81
69) o-Xylene	10.82	106	18688	3.359	ug/l	92
73) Isopropylbenzene	11.21	105	11215	1.012	ug/l	97
78) n-propylbenzene	11.67	91	41331	3.077	ug/l	99
79) 2-Chlorotoluene	11.79	91	20640	2.627	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.90	105	94484	10.036	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	752	1.141	ug/l #	36
84) 1,2,4-Trimethylbenzene	12.28	105	185062	19.821	ug/l	97
85) sec-Butylbenzene	12.37	105	31132	2.429	ug/l	100
86) p-Isopropyltoluene	12.50	119	58119	5.550	ug/l	97
89) n-Butylbenzene	12.91	91	51772	4.672	ug/l #	82
90) Hexachloroethane	13.00	117	3130	1.156	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.77	75	973	2.484	ug/l #	12
95) Naphthalene	14.51	128	16231	2.720	ug/l #	70

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
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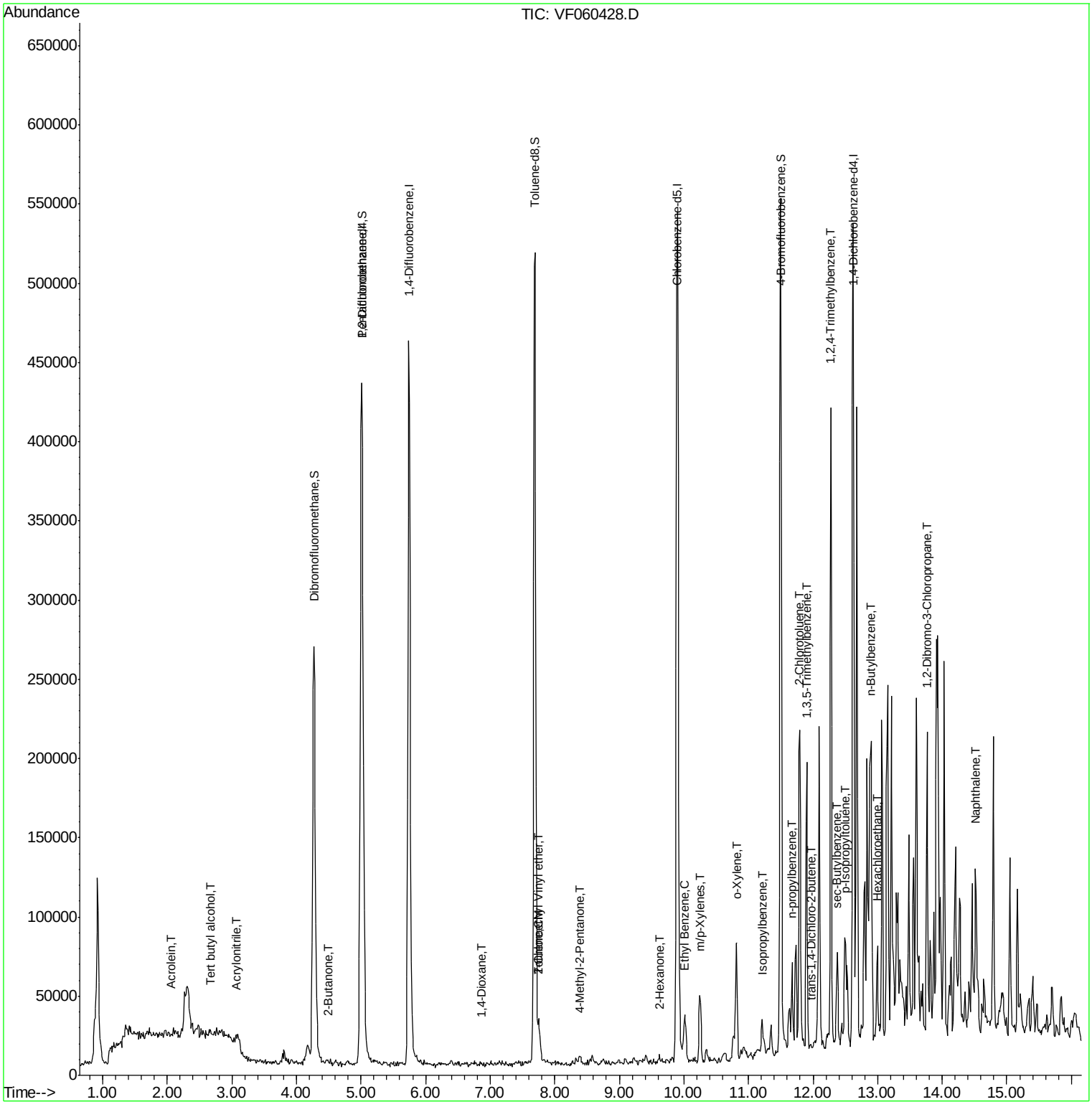
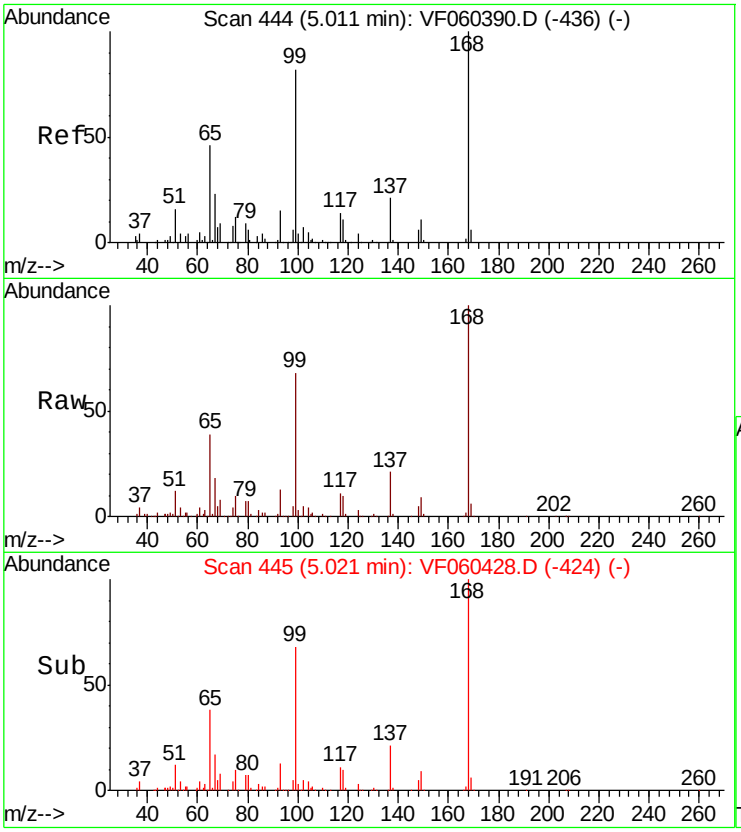
Acq On : 3 Oct 2018 21:29
Operator : VA/AP
Sample : J5194-03
Misc : 6.89/5mL/MSVOA F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Quant Time: Oct 04 05:24:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration



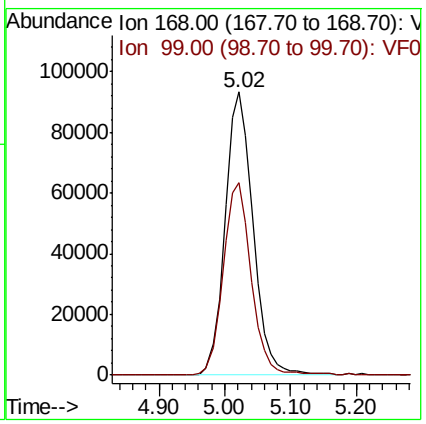


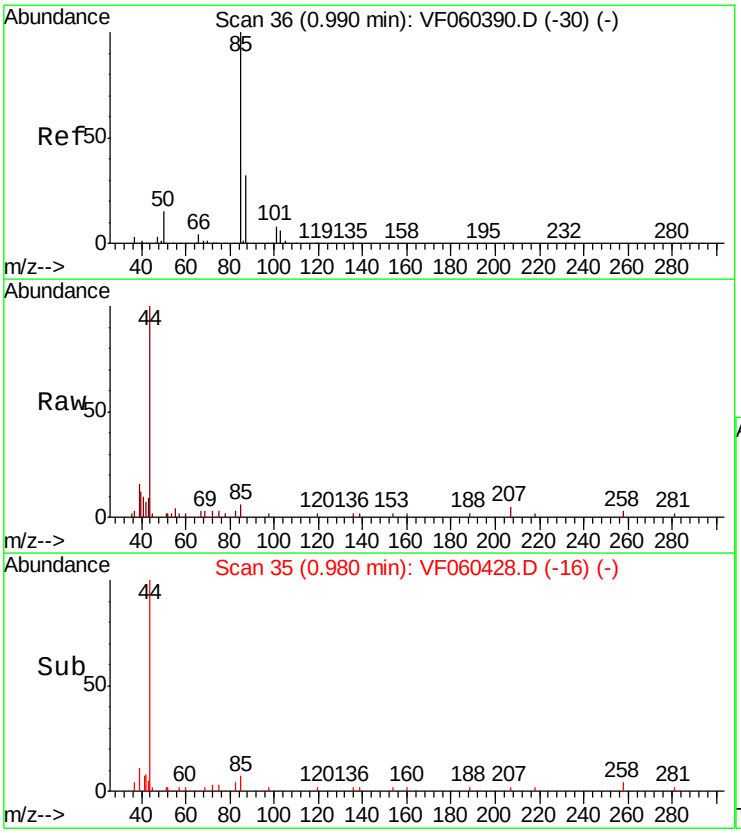
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion:168 Resp: 278206

Ion	Ratio	Lower	Upper
168	100		
99	68.1	65.3	97.9

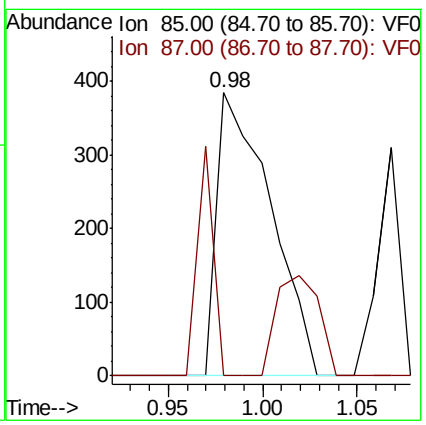


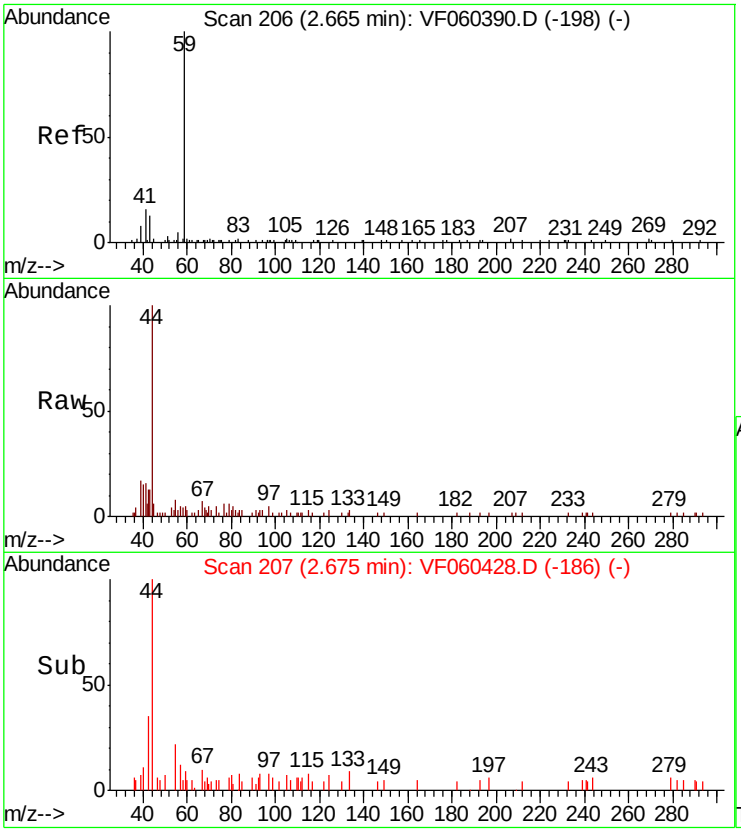


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.98 min Scan# 35
Delta R.T. -0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 85 Resp: 757

Ion	Ratio	Lower	Upper
85	100		
87	0.0	15.9	47.6#



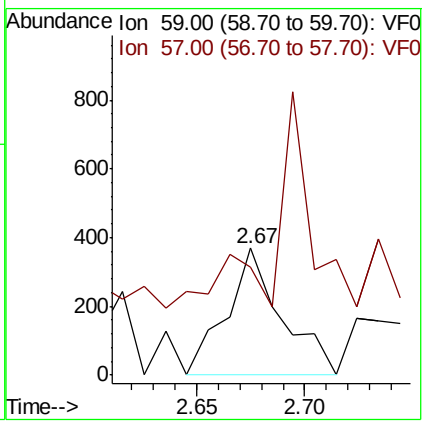


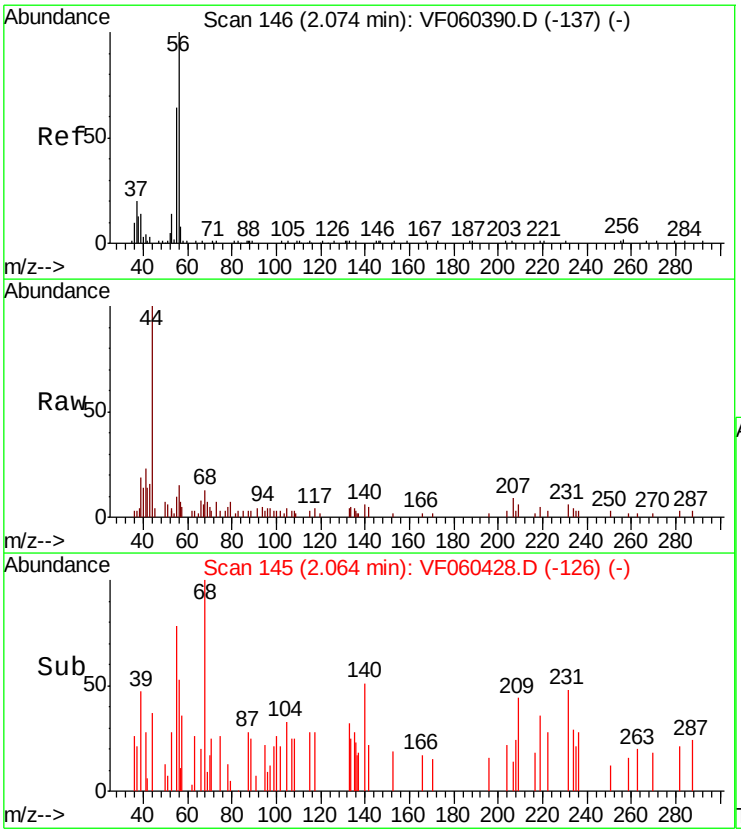
#11
Tert butyl alcohol
Concen: 2.487 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 59 Resp: 655

Ion	Ratio	Lower	Upper
59	100		
57	84.8	6.5	9.7#

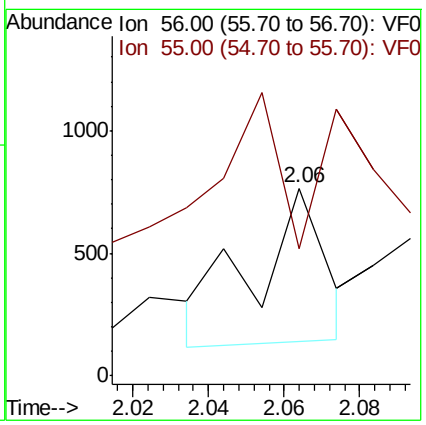


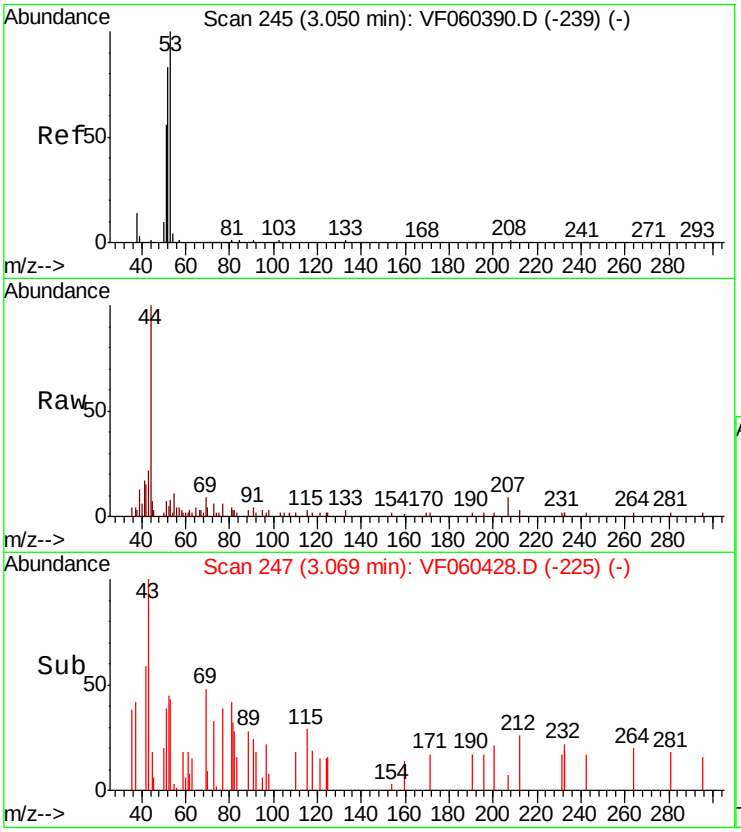


#13
Acrolein
Concen: 3.882 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 56 Resp: 822

Ion	Ratio	Lower	Upper
56	100		
55	67.4	53.9	80.9



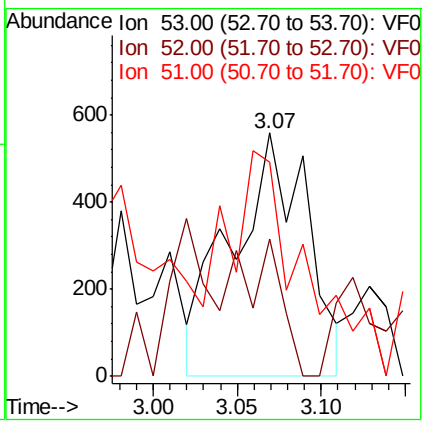


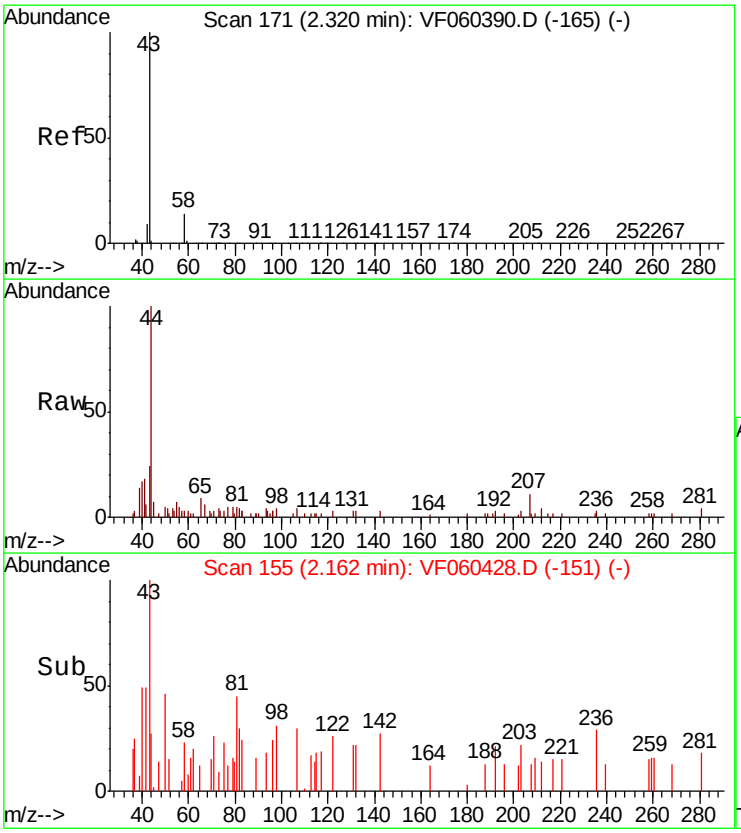
#15
Acrylonitrile
Concen: 3.841 ug/l
RT: 3.07 min Scan# 247
Delta R.T. 0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 53 Resp: 1733

Ion	Ratio	Lower	Upper
53	100		
52	56.5	66.0	99.0#
51	88.0	45.6	68.4#

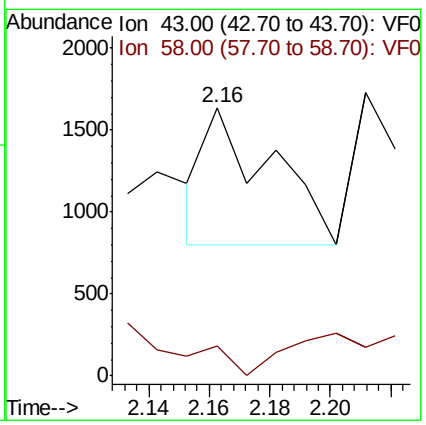


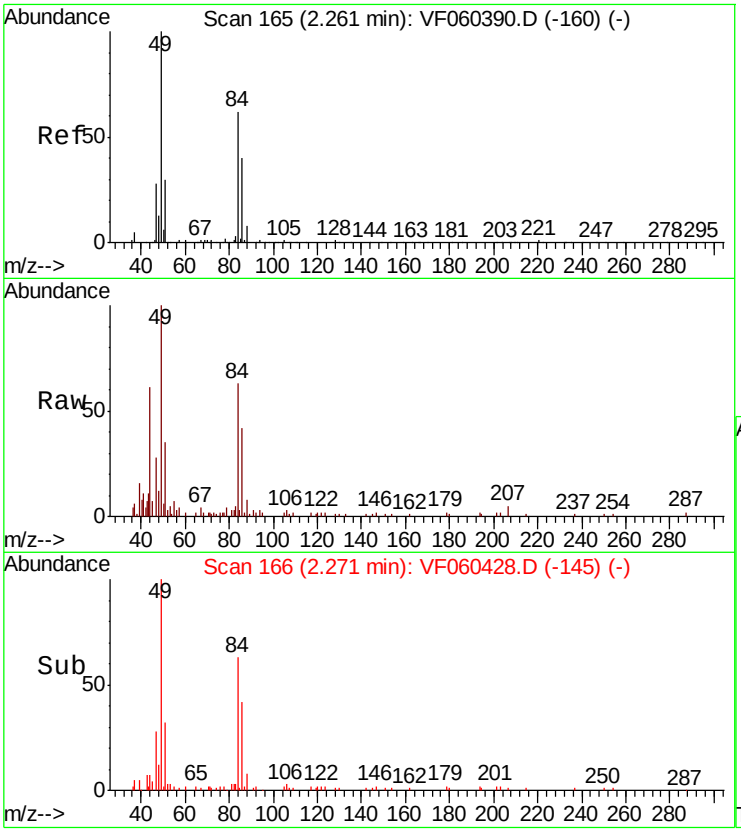


#16
Acetone
Concen: Below Cal
RT: 2.16 min Scan# 155
Delta R.T. -0.16 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 43 Resp: 1276

Ion	Ratio	Lower	Upper
43	100		
58	11.3	11.2	16.8



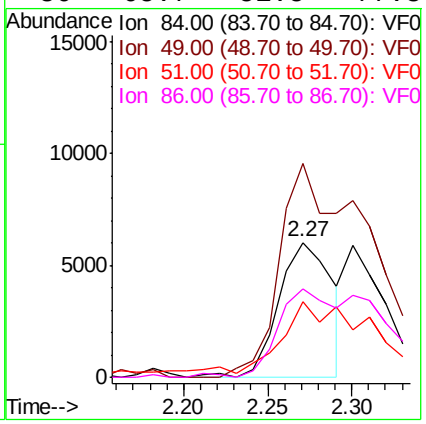


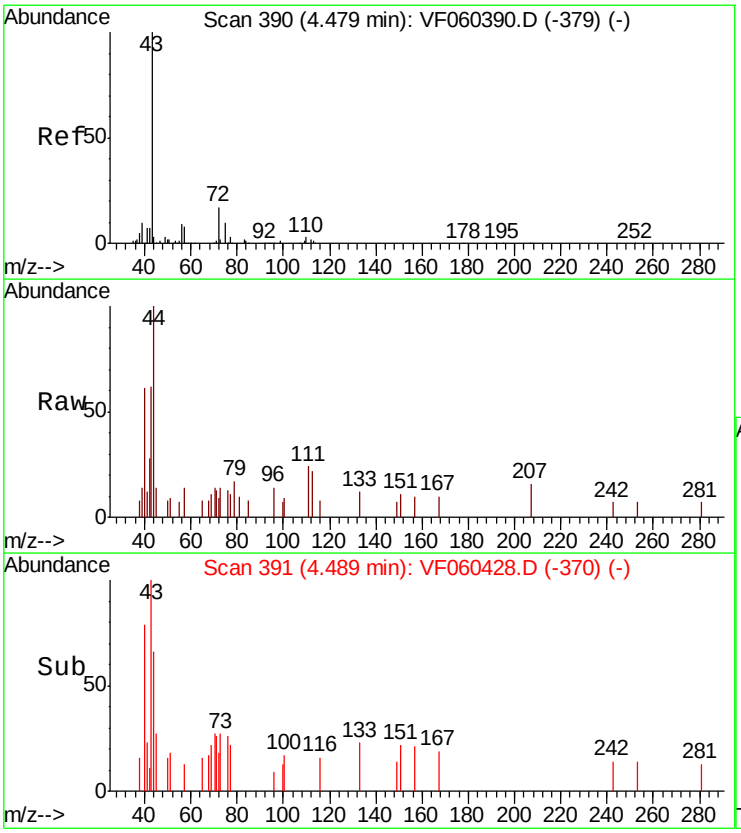
#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 84 Resp: 13377

Ion	Ratio	Lower	Upper
84	100		
49	158.3	130.2	195.2
51	55.6	41.0	61.6
86	65.7	51.5	77.3

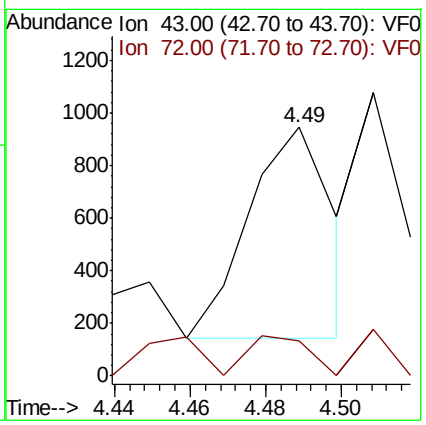


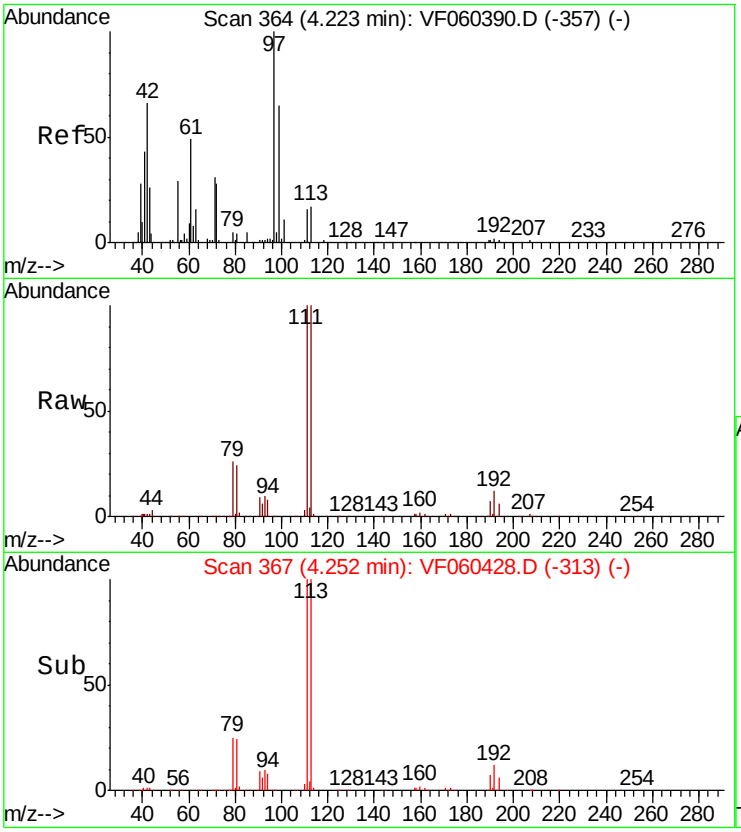


#25
2-Butanone
Concen: 1.093 ug/l
RT: 4.49 min Scan# 391
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 43 Resp: 1232

Ion	Ratio	Lower	Upper
43	100		
72	14.4	14.1	21.1



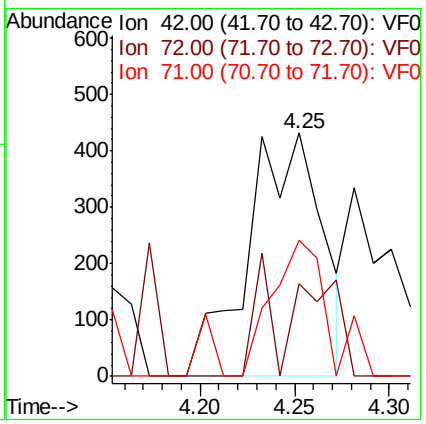


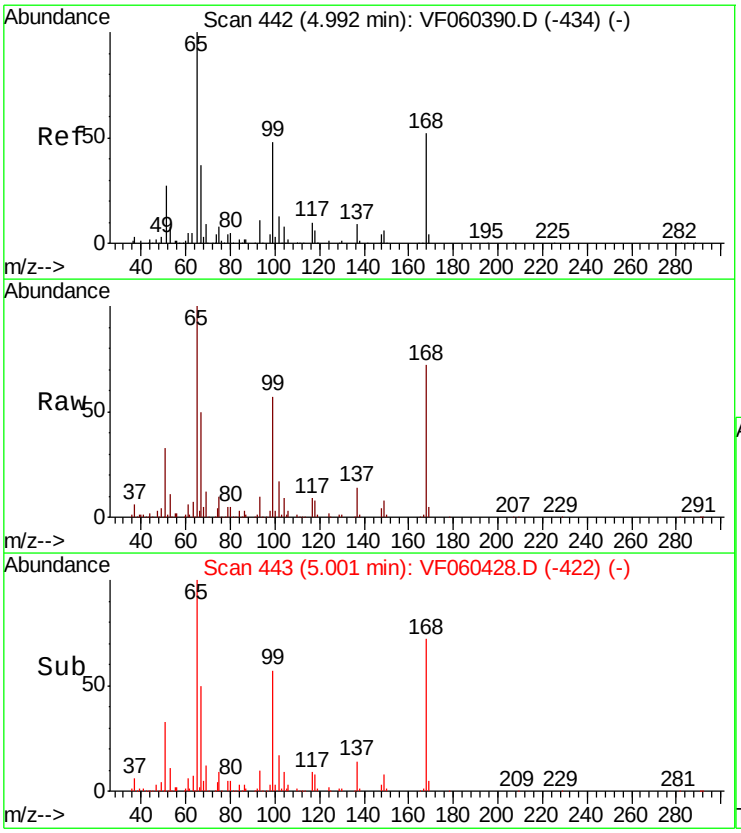
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 367
Delta R.T. 0.03 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 42 Resp: 1182

Ion	Ratio	Lower	Upper
42	100		
72	23.5	33.6	50.4#
71	42.0	32.7	49.1

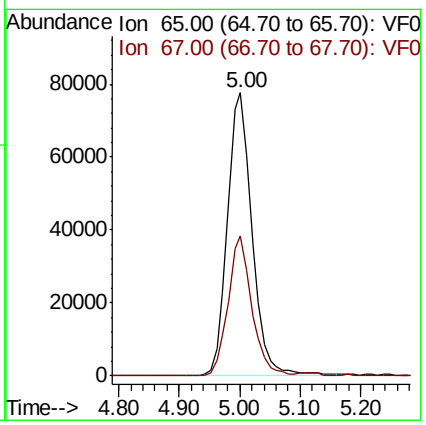


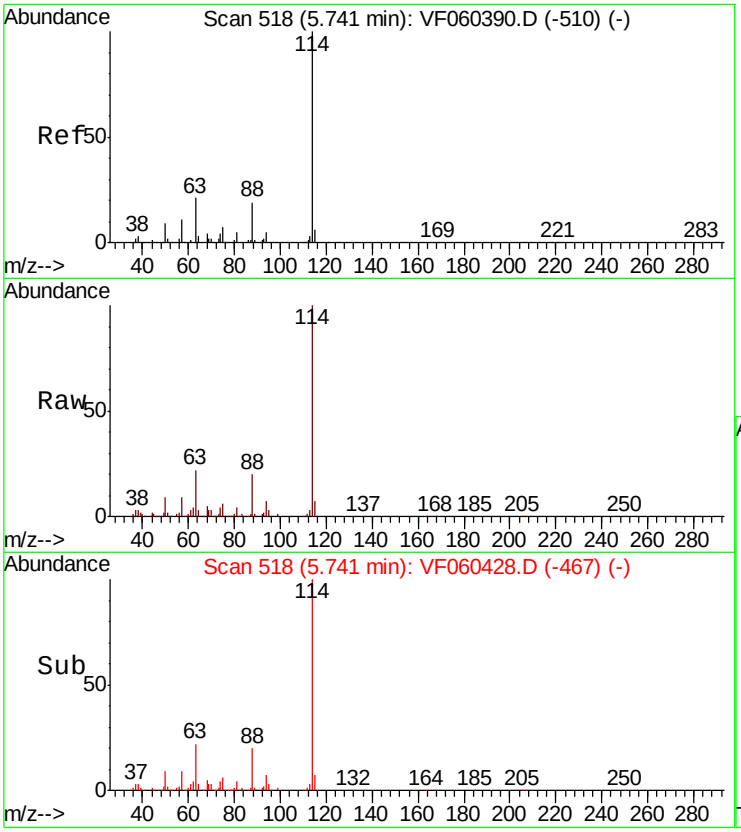


#33
1,2-Dichloroethane-d4
Concen: 50.513 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 65 Resp: 219897

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	89.4



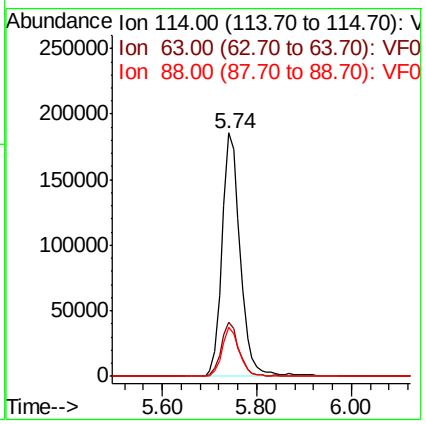


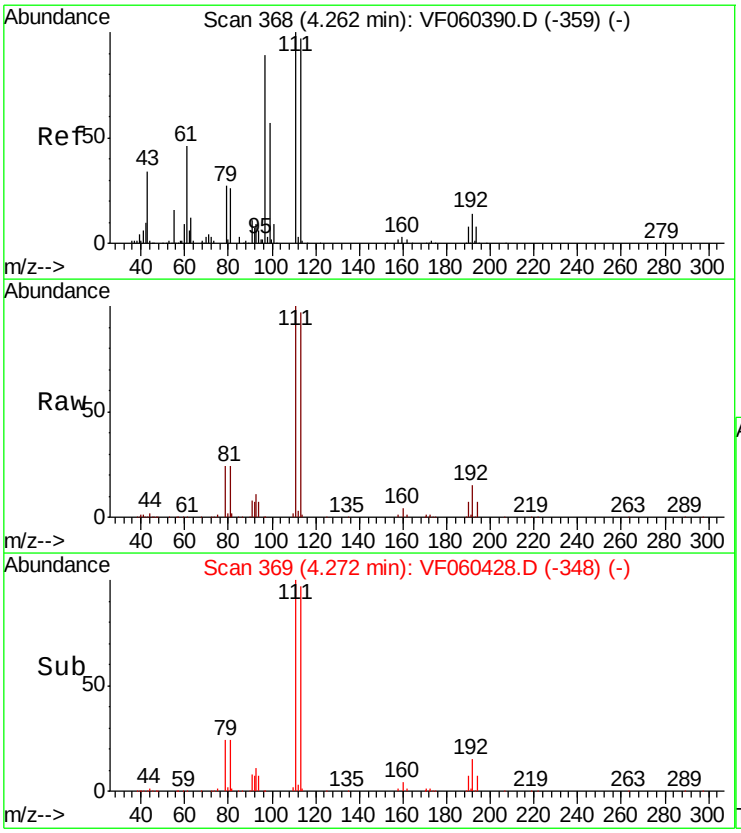
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.74 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion:114 Resp: 495207

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.2
88	20.3	0.0	38.8

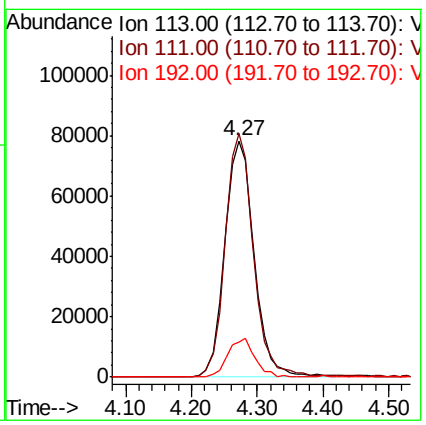


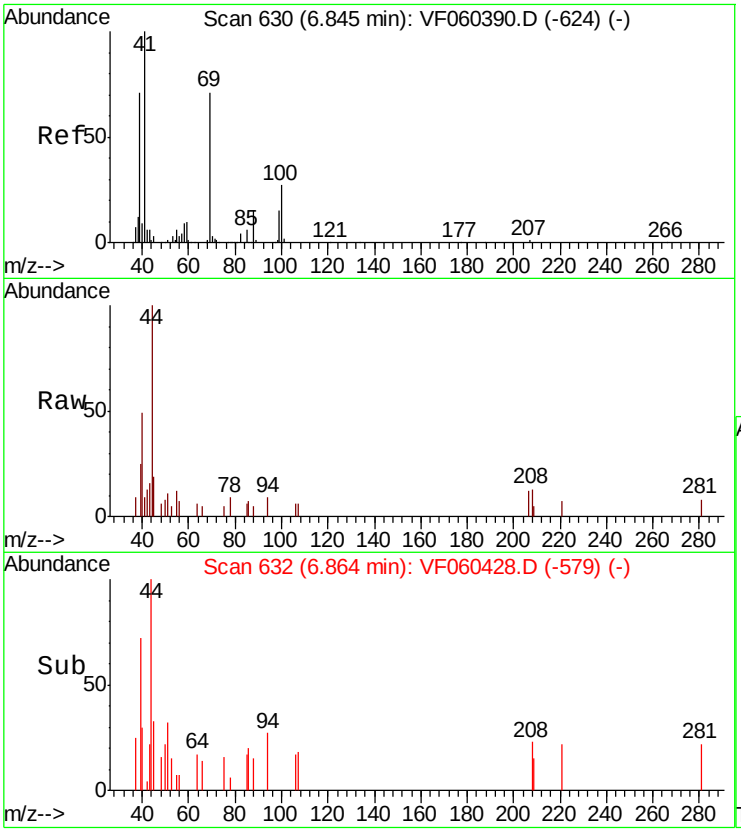


#35
Dibromofluoromethane
Concen: 52.651 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:113 Resp: 244939

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	15.0	11.8	17.6



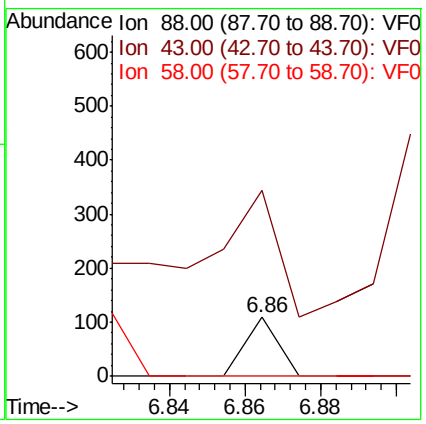


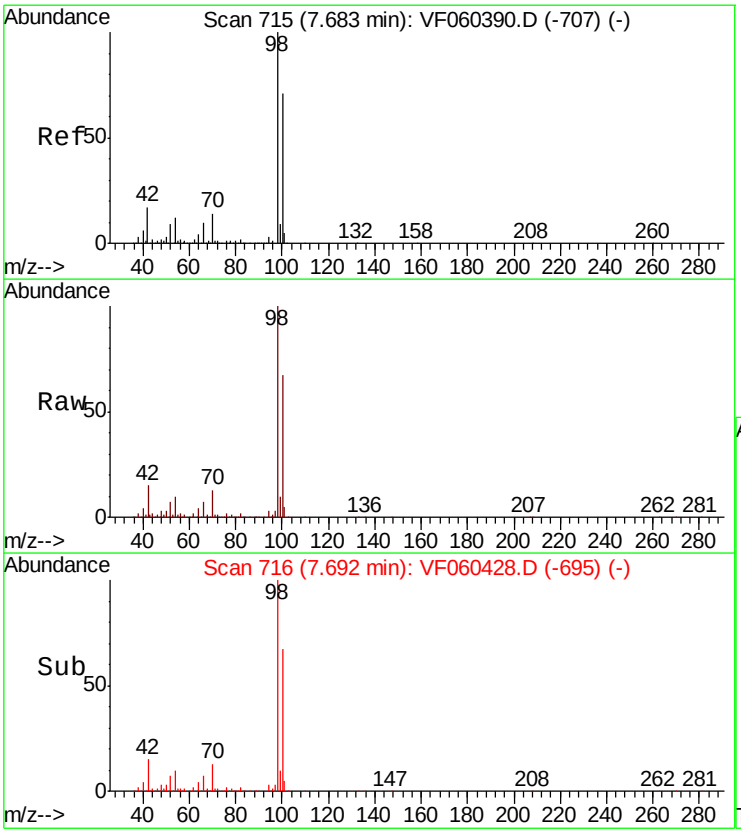
#49
1,4-Dioxane
Concen: 3.660 ug/l
RT: 6.86 min Scan# 632
Delta R.T. 0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	316.5	38.3	57.5#
58	0.0	47.4	71.2#

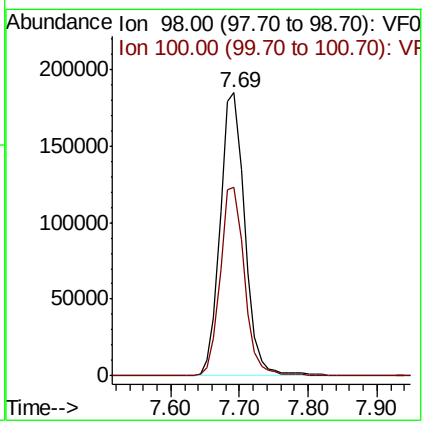


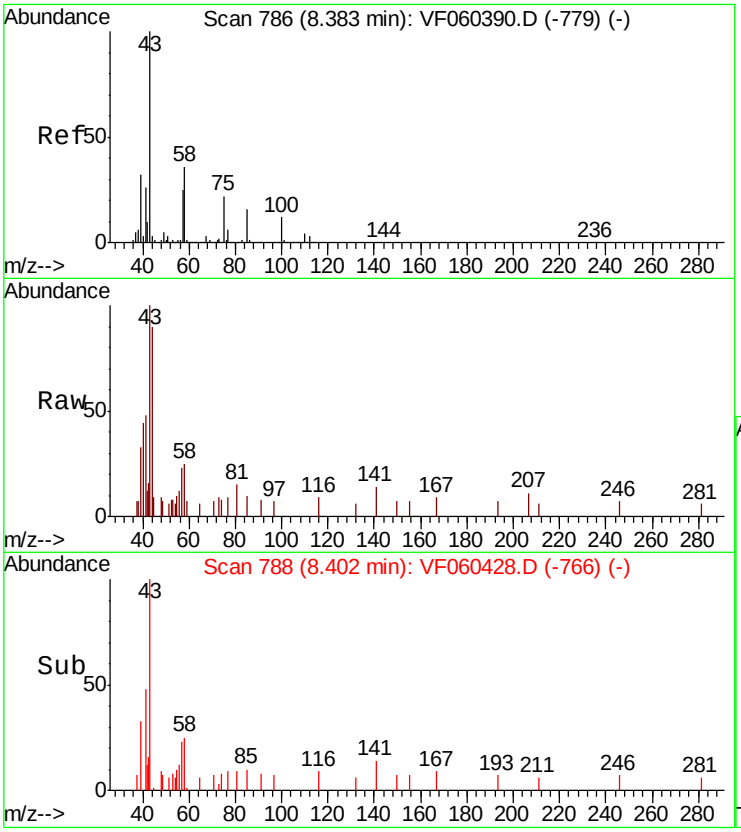


#50
Toluene-d8
Concen: 40.026 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 98 Resp: 458594

Ion	Ratio	Lower	Upper
98	100		
100	66.6	56.5	84.7



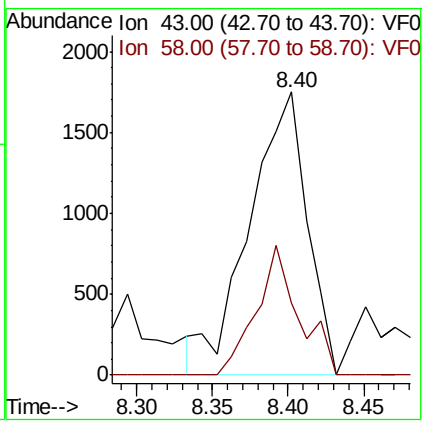


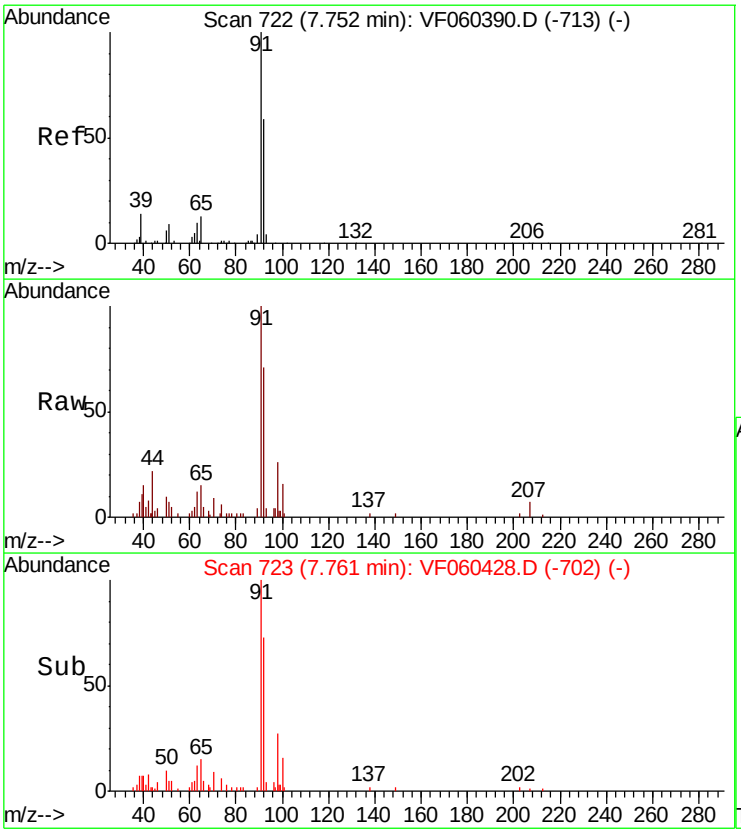
#51
4-Methyl-2-Pentanone
Concen: 2.312 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 43 Resp: 4651

Ion	Ratio	Lower	Upper
43	100		
58	25.3	28.5	42.7#

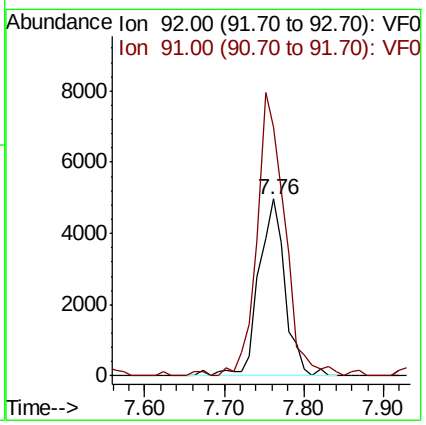


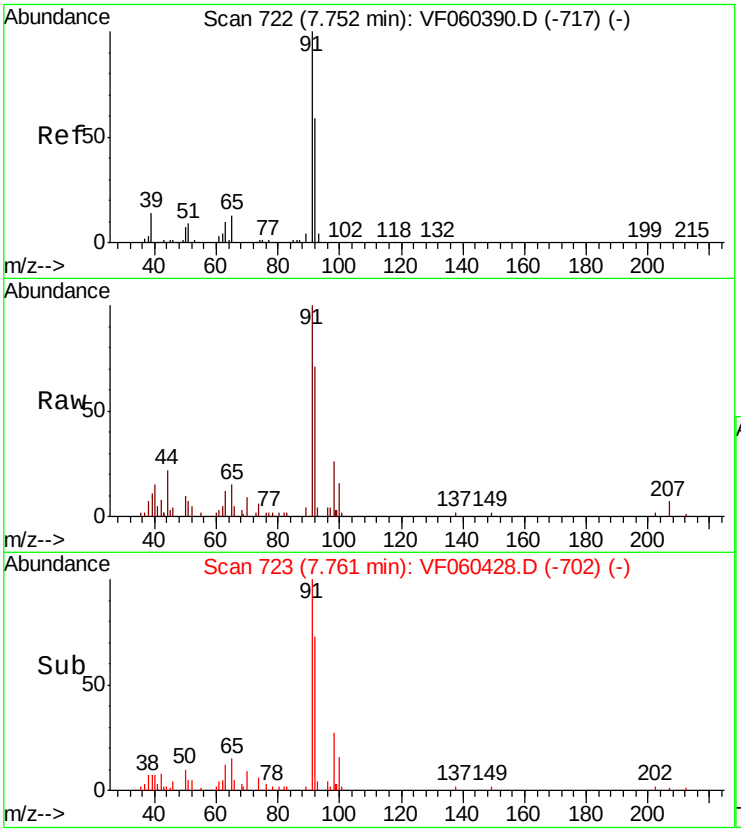


#52
Toluene
Concen: 1.372 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 92 Resp: 11294

Ion	Ratio	Lower	Upper
92	100		
91	140.7	135.4	203.0



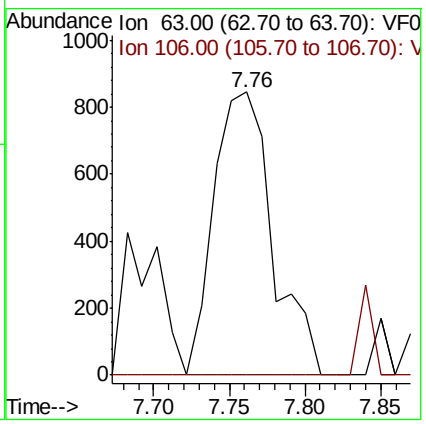


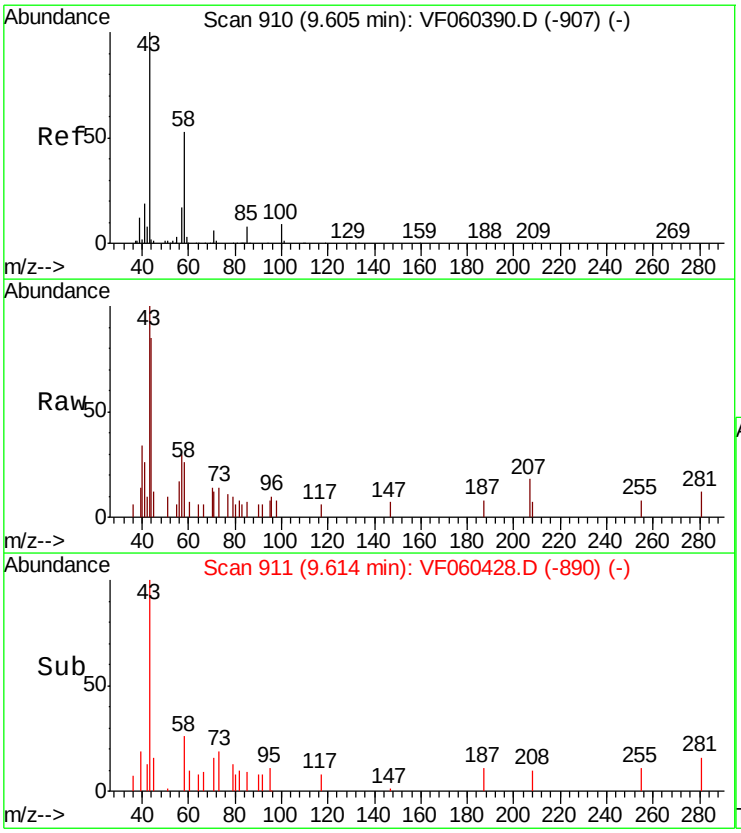
#58
2-Chloroethyl Vinyl ether
Concen: 7.551 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 63 Resp: 2287

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

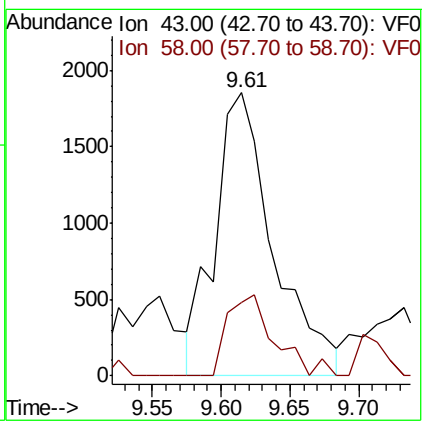


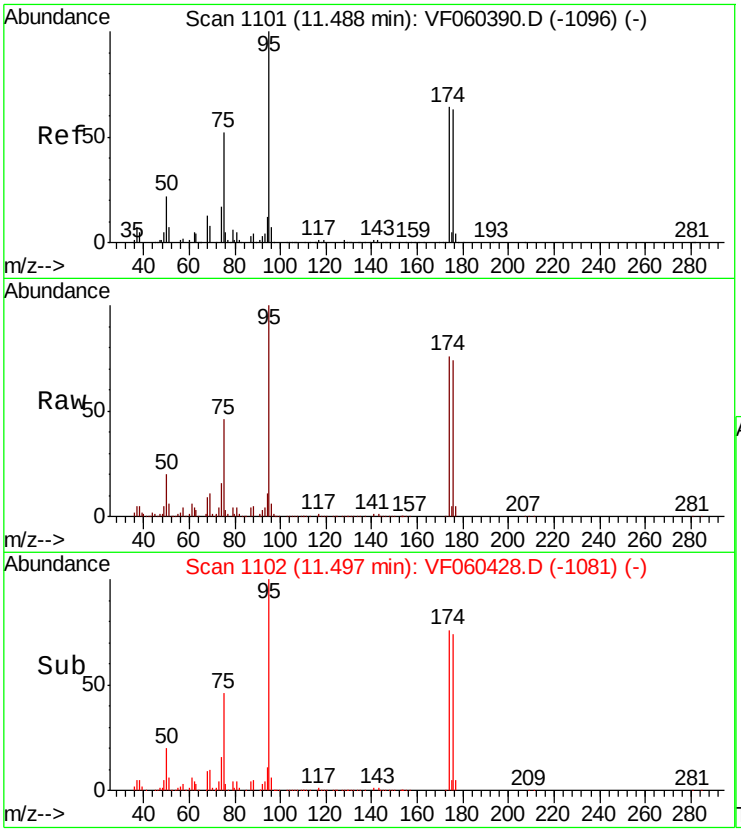


#59
2-Hexanone
Concen: 3.697 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 43 Resp: 5454

Ion	Ratio	Lower	Upper
43	100		
58	26.0	25.6	76.6



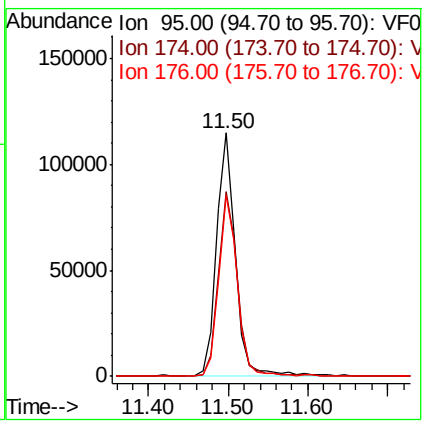


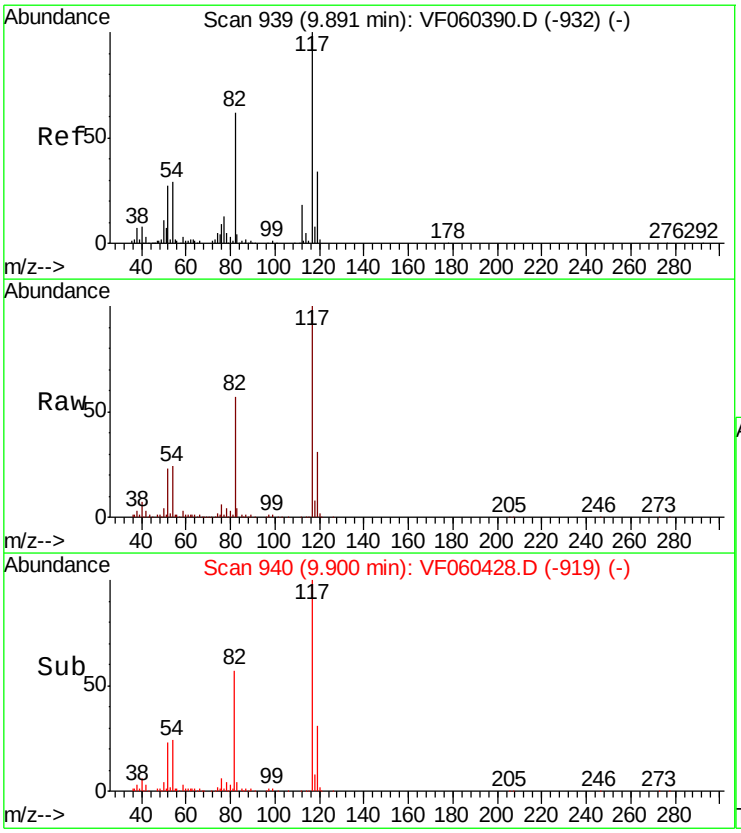
#62
4-Bromofluorobenzene
Concen: 36.680 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 95 Resp: 191885

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	129.0
176	74.1	0.0	125.6

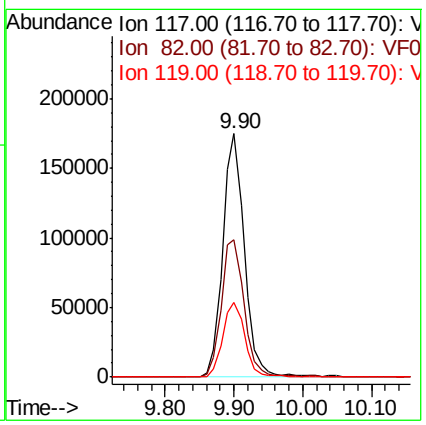


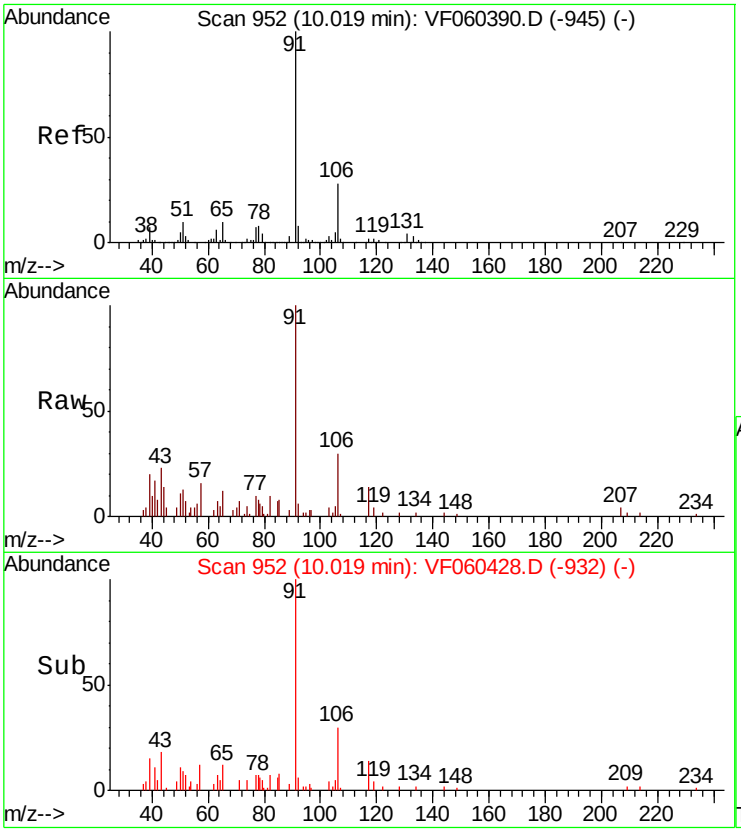


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:117 Resp: 380178

Ion	Ratio	Lower	Upper
117	100		
82	56.6	49.5	74.3
119	30.6	27.0	40.6



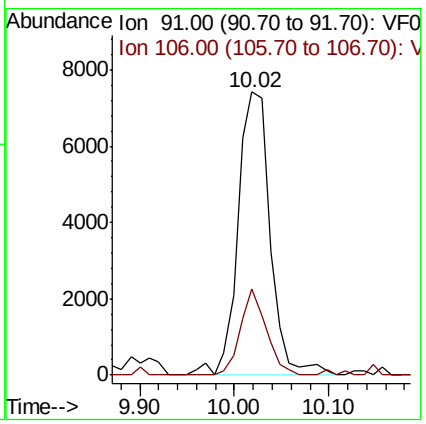


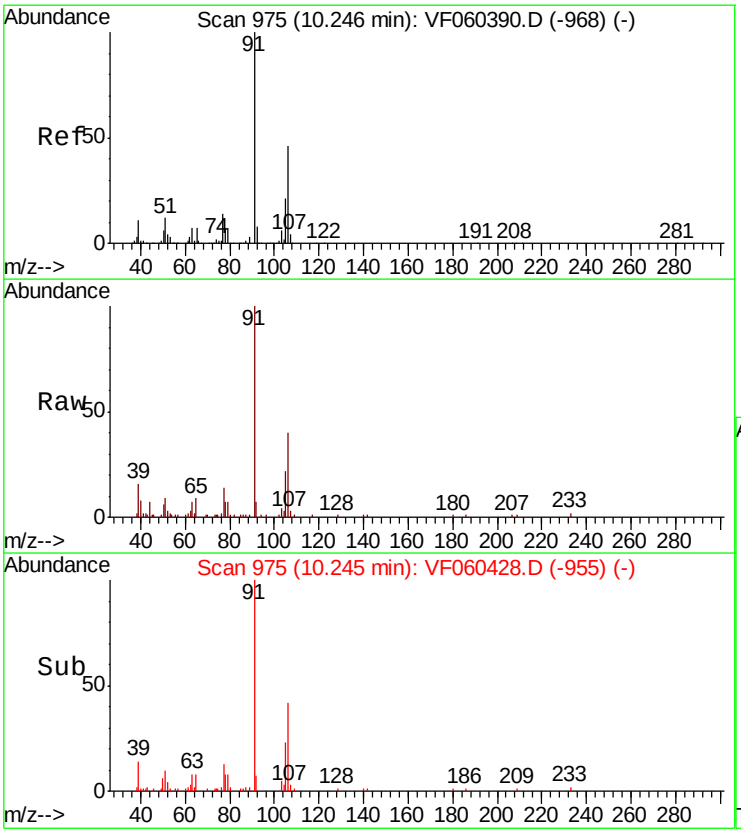
#67
Ethyl Benzene
Concen: 1.183 ug/l
RT: 10.02 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 91 Resp: 17561

Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.5	33.7

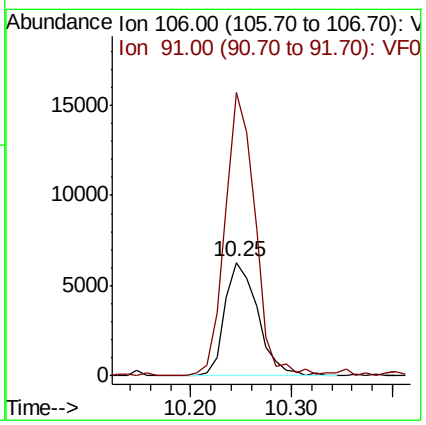


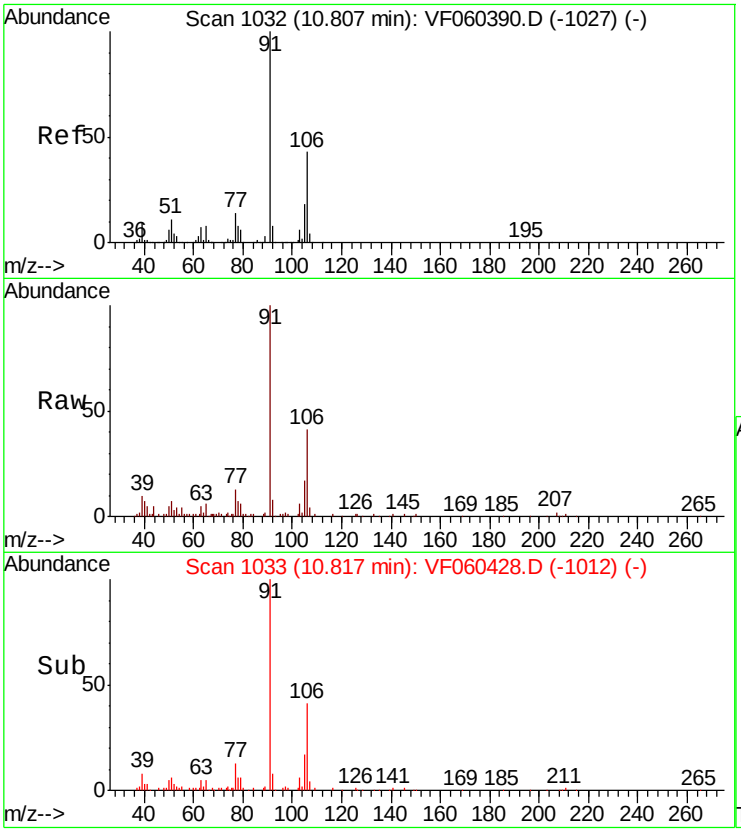


#68
m/p-Xylenes
Concen: 2.810 ug/l
RT: 10.25 min Scan# 975
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:106 Resp: 14346

Ion	Ratio	Lower	Upper
106	100		
91	249.2	175.0	262.6



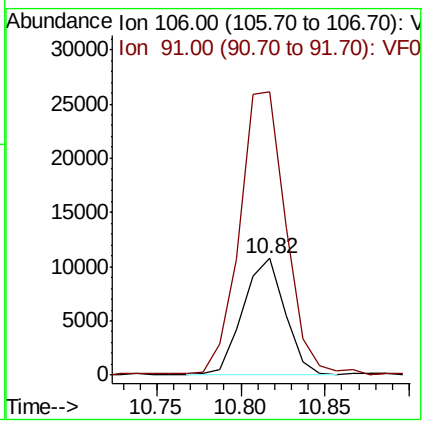


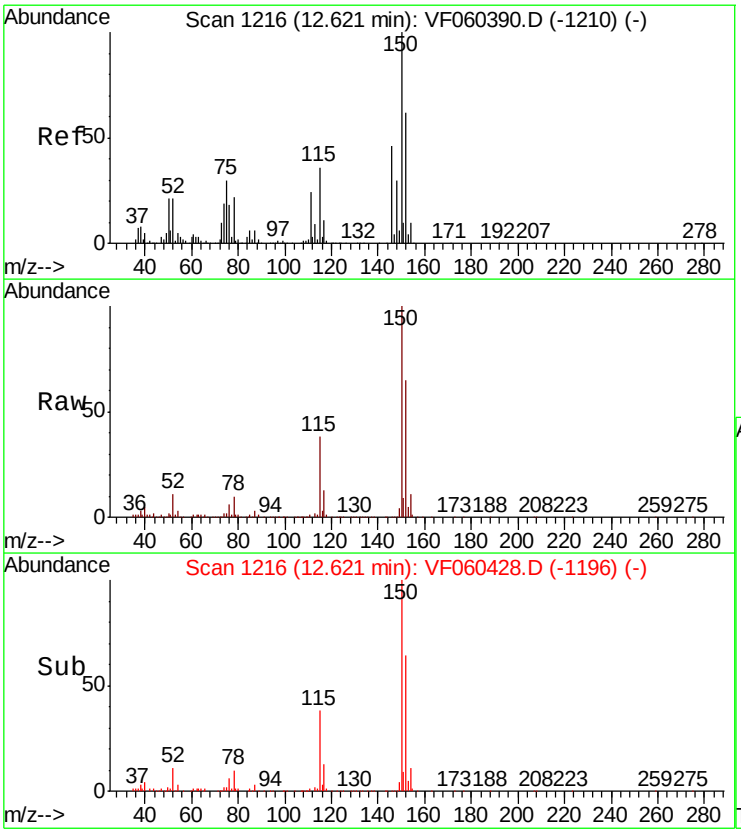
#69
o-Xylene
Concen: 3.359 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion:106 Resp: 18688

Ion	Ratio	Lower	Upper
106	100		
91	243.0	115.1	345.2

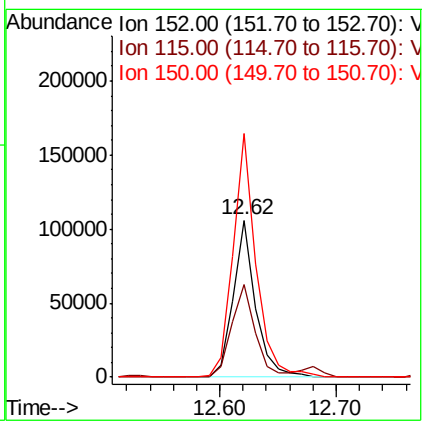


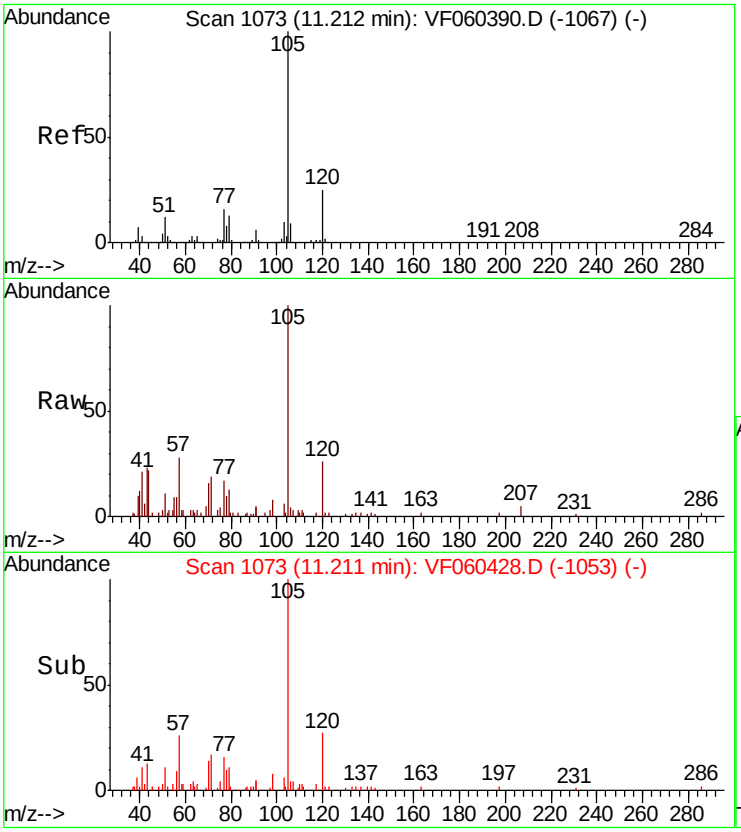


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:152 Resp: 140735

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.6	85.8
150	155.0	0.0	324.6



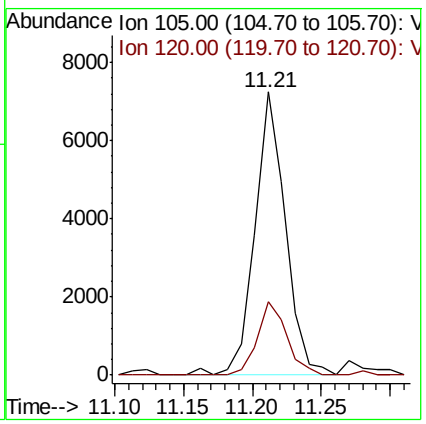


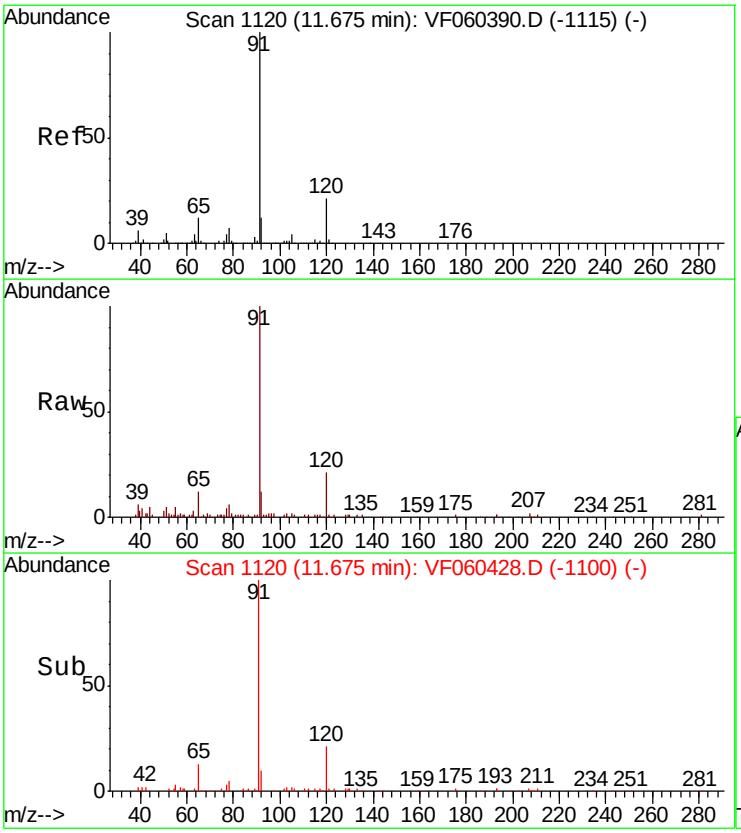
#73
Isopropylbenzene
Concen: 1.012 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion:105 Resp: 11215

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.3	36.9

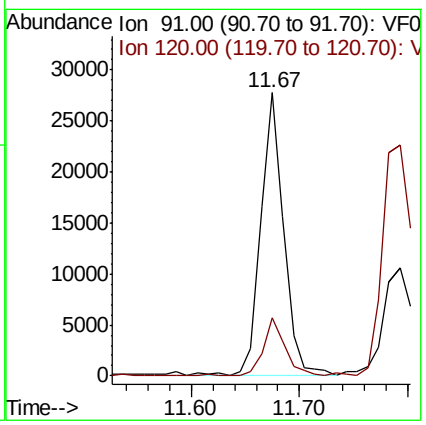


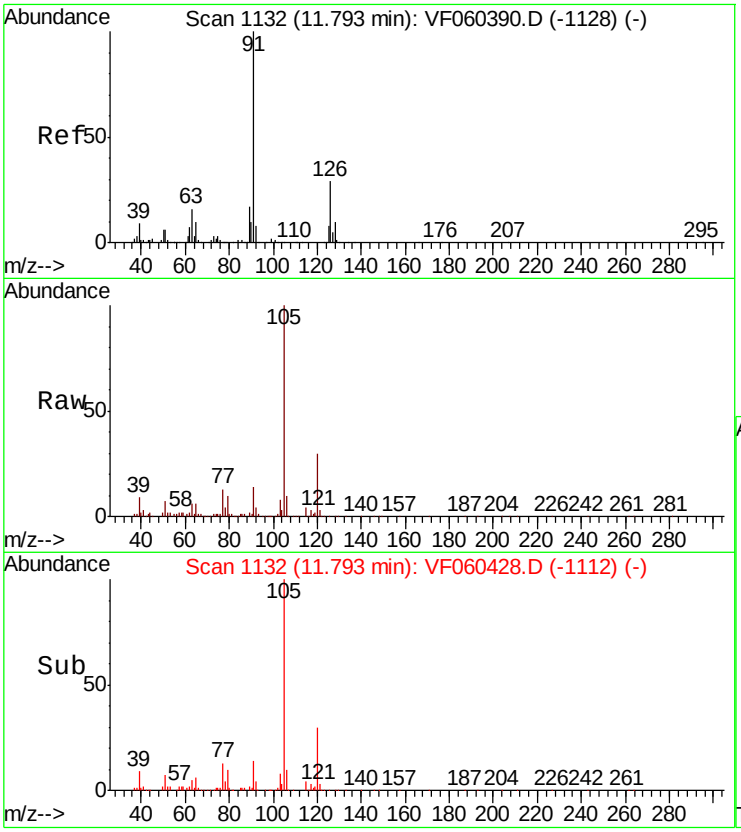


#78
n-propylbenzene
Concen: 3.077 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 91 Resp: 41331

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.5	31.6



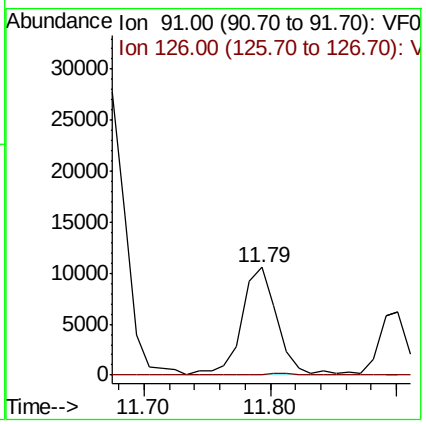


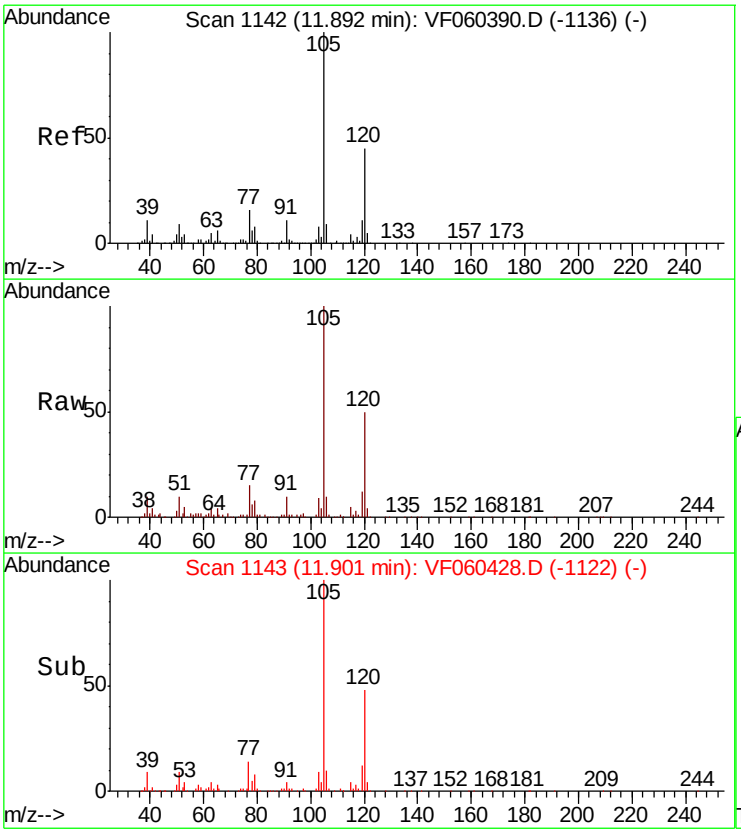
#79
2-Chlorotoluene
Concen: 2.627 ug/l
RT: 11.79 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 91 Resp: 20640

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	43.4#

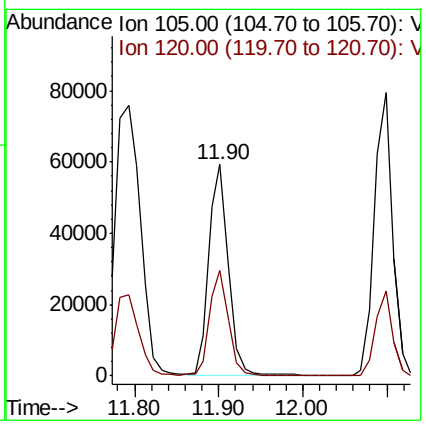


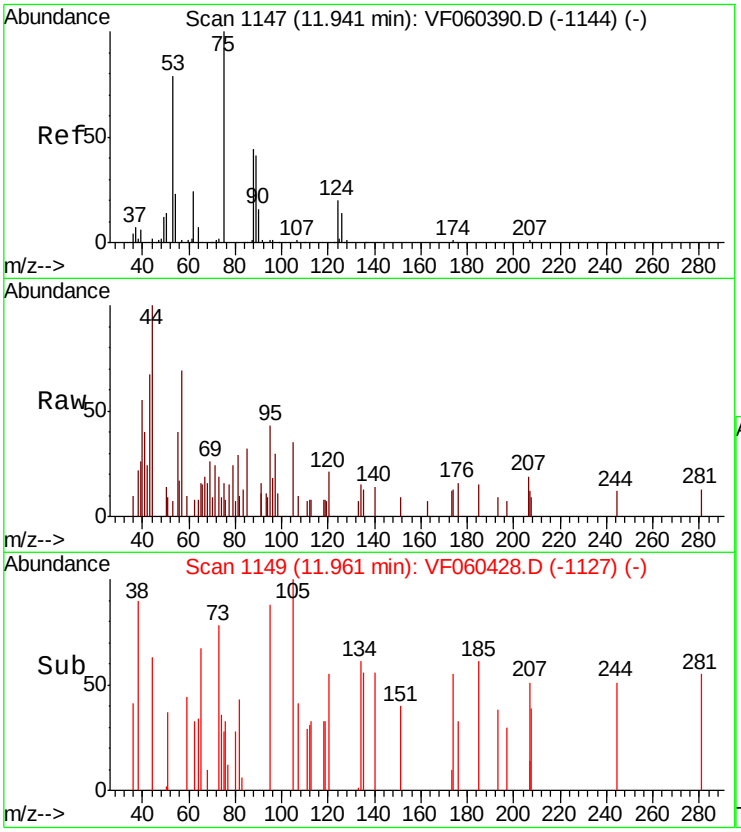


#80
1,3,5-Trimethylbenzene
Concen: 10.036 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 94484

Ion	Ratio	Lower	Upper
105	100		
120	49.8	22.3	66.9



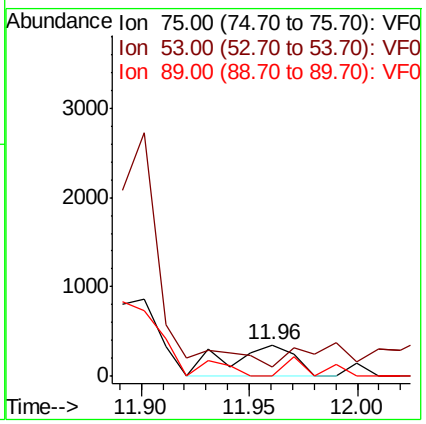


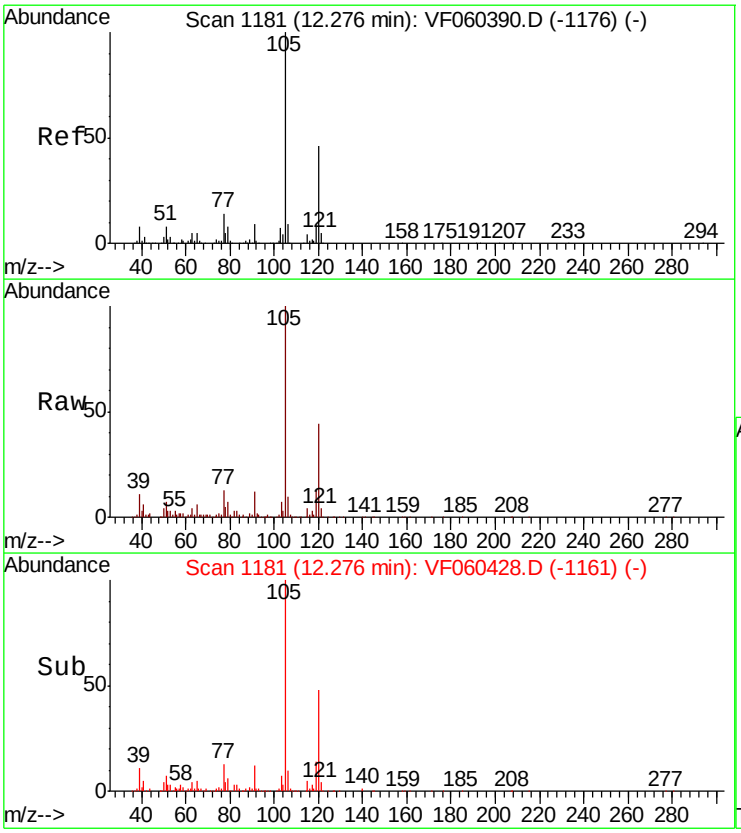
#81
trans-1,4-Dichloro-2-butene
Concen: 1.141 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Tgt Ion: 75 Resp: 752

Ion	Ratio	Lower	Upper
75	100		
53	29.2	67.8	101.8#
89	0.0	36.7	55.1#

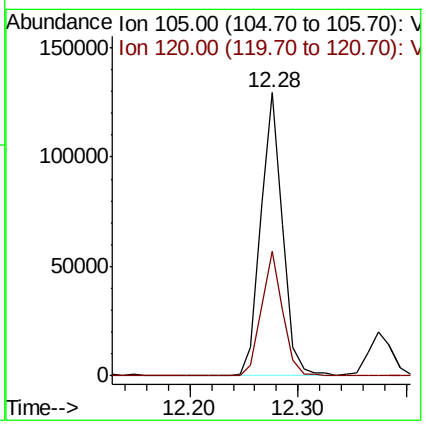


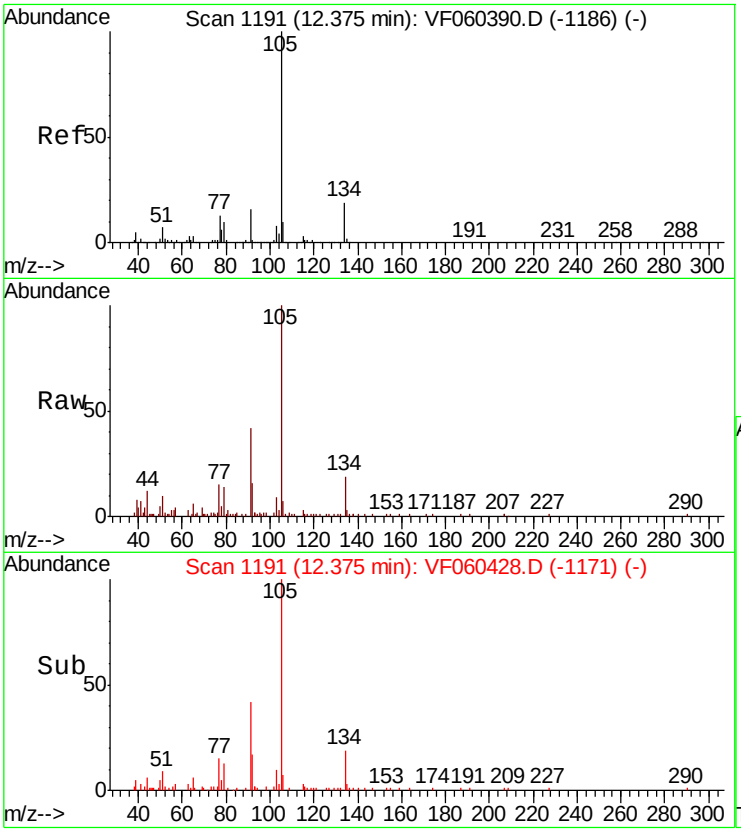


#84
1,2,4-Trimethylbenzene
Concen: 19.821 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 185062

Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.1	69.2



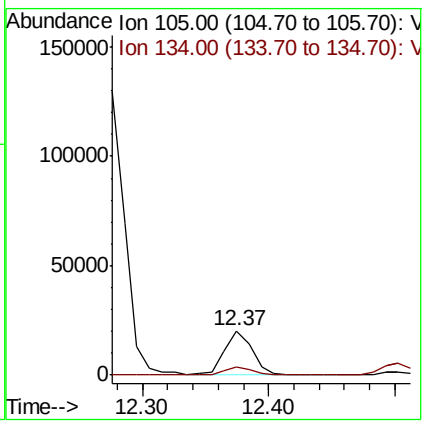


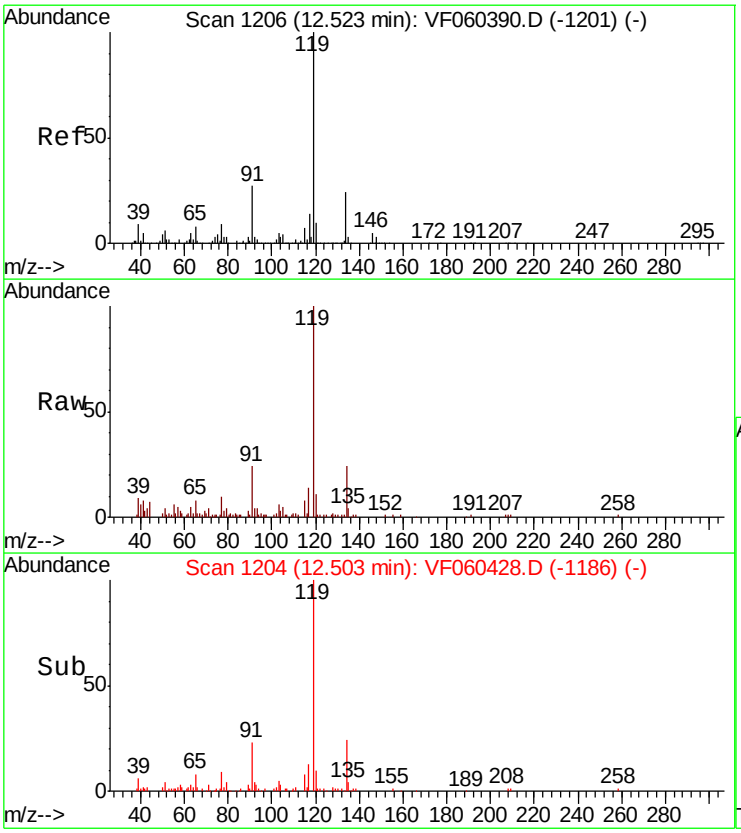
#85
sec-Butylbenzene
Concen: 2.429 ug/l
RT: 12.37 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion:105 Resp: 31132

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.4	28.3

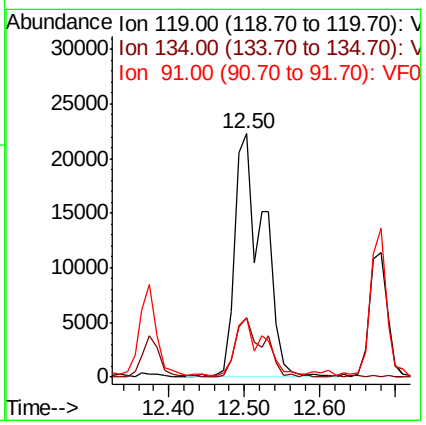


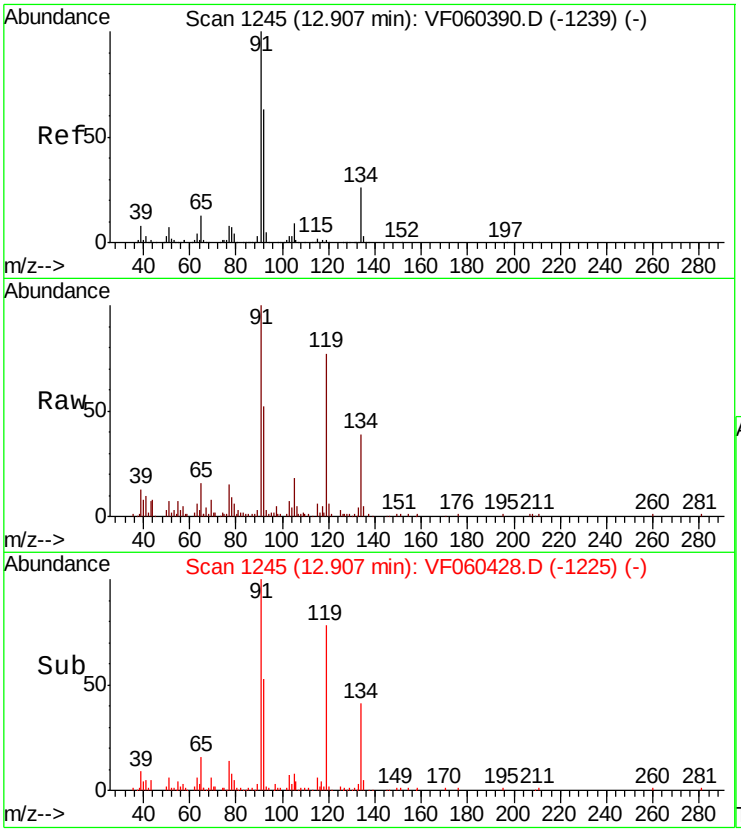


#86
p-Isopropyltoluene
Concen: 5.550 ug/l
RT: 12.50 min Scan# 1204
Delta R.T. -0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:119 Resp: 58119

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.3	36.8
91	24.3	13.5	40.4



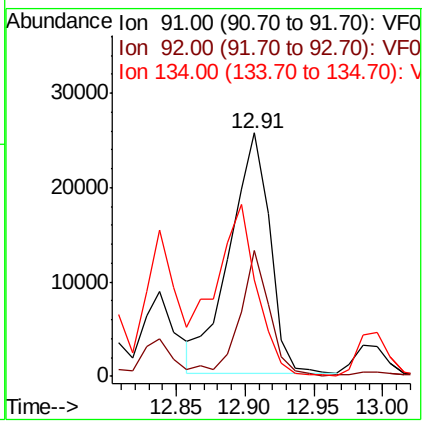


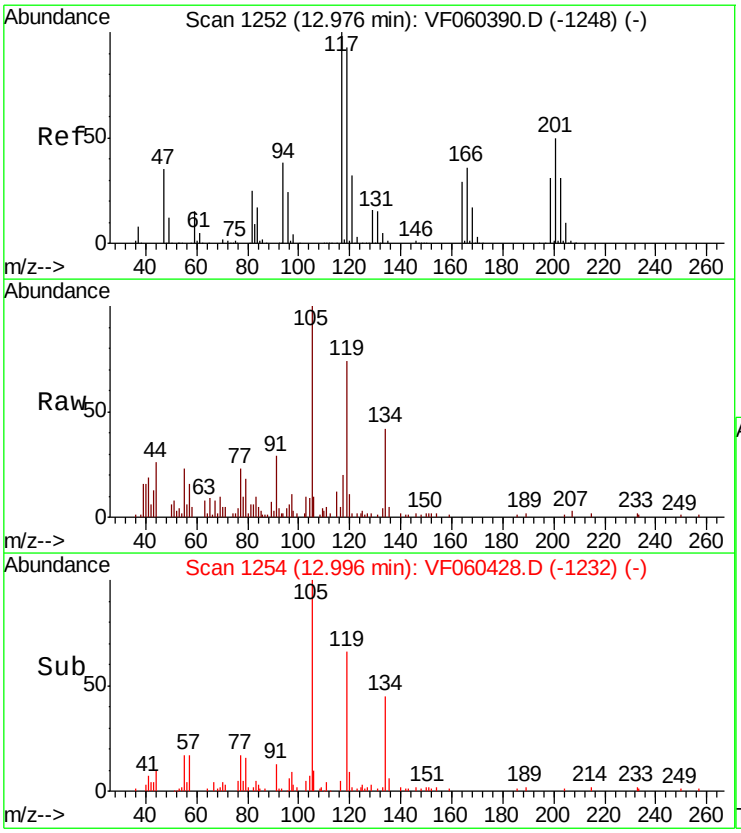
#89
n-Butylbenzene
Concen: 4.672 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 91 Resp: 51772

Ion	Ratio	Lower	Upper
91	100		
92	51.9	31.3	93.9
134	39.4	13.0	38.9#

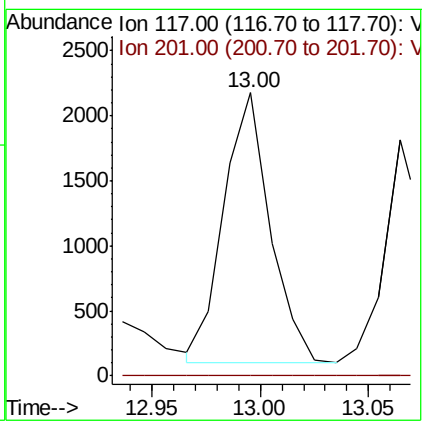


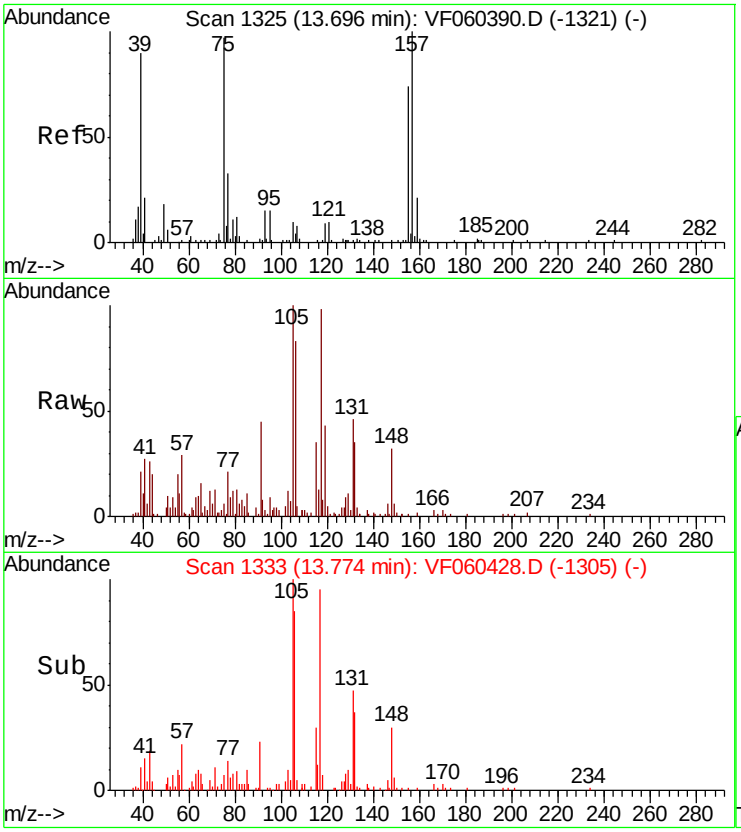


#90
Hexachloroethane
Concen: 1.156 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:117 Resp: 3130

Ion	Ratio	Lower	Upper
117	100		
201	0.0	25.5	76.5#



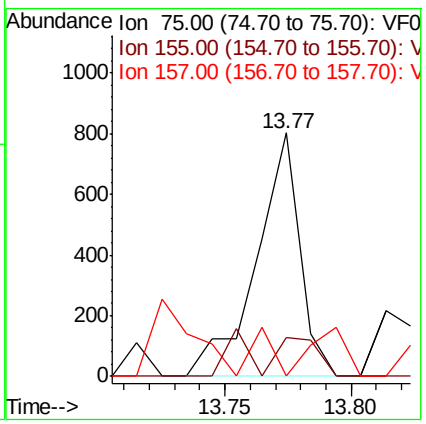


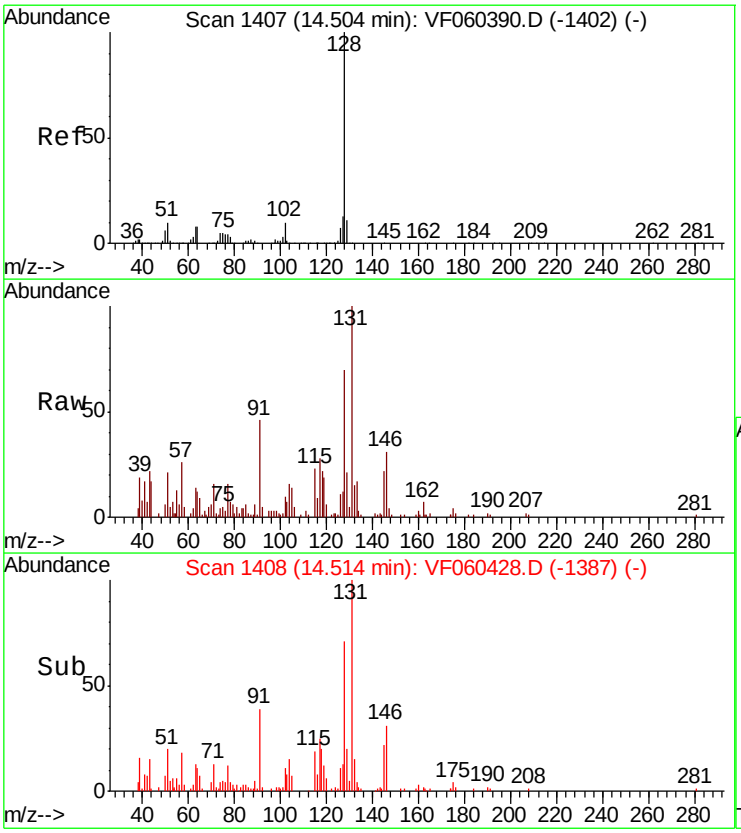
#92
1,2-Dibromo-3-Chloropropane
Concen: 2.484 ug/l
RT: 13.77 min Scan# 1333
Delta R.T. 0.08 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Tgt Ion: 75 Resp: 973

Ion	Ratio	Lower	Upper
75	100		
155	15.7	37.9	113.6#
157	0.0	51.3	154.0#





#95
Naphthalene
Concen: 2.720 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:128 Resp: 16231

Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.0	15.0#
129	29.6	8.7	13.1#