Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060736.D
Acq On : 14 Nov 2018 20:49
Operator : VA/AP
Sample : J5915-05
Misc : 5.09g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : T-5

Quant Time: Nov 15 06:39:24 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	4.84	168	259235	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	450404	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	409891	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	227266	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	119939	40.56	ug/l	-0.04
Spiked Amount 50.000			Recovery = 81.12%			
35) Dibromofluoromethane	4.09	113	143973	42.52	ug/l	-0.04
Spiked Amount 50.000			Recovery = 85.04%			
50) Toluene-d8	7.53	98	378578	43.06	ug/l	-0.04
Spiked Amount 50.000			Recovery = 86.12%			
62) 4-Bromofluorobenzene	11.39	95	187074	46.40	ug/l	-0.03
Spiked Amount 50.000			Recovery = 92.80%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.55	59	401	2.980	ug/l #	1
13) Acrolein	1.97	56	688	5.591	ug/l #	81
15) Acrylonitrile	2.91	53	885	3.086	ug/l #	36
16) Acetone	2.23	43	25337	40.089	ug/l	95
18) Methyl Acetate	2.36	43	2291	2.208	ug/l #	64
20) Methylene Chloride	2.17	84	11634	2.840	ug/l #	83
25) 2-Butanone	4.30	43	12556	12.078	ug/l #	80
28) Bromochloromethane	3.84	49	2288	1.017	ug/l #	12
29) Tetrahydrofuran	4.03	42	469	1.094	ug/l #	36
30) Chloroform	3.83	83	22595	3.252	ug/l	92
41) Methacrylonitrile	4.71	41	308	Below Cal	#	56
43) Isopropyl Acetate	6.88	43	7515	2.919	ug/l #	48
51) 4-Methyl-2-Pentanone	8.24	43	4143	2.225	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.55	63	334	1.444	ug/l	100
59) 2-Hexanone	9.48	43	5080	3.882	ug/l	93
67) Ethyl Benzene	9.88	91	33430	2.144	ug/l	100
68) m/p-Xylenes	10.11	106	43869	7.873	ug/l	95
69) o-Xylene	10.70	106	9160	1.462	ug/l	88
73) Isopropylbenzene	11.10	105	23792	1.301	ug/l	99
78) n-propylbenzene	11.58	91	160779	7.536	ug/l	96
79) 2-Chlorotoluene	11.70	91	41223	3.324	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.81	105	181918	12.526	ug/l	100
82) 4-Chlorotoluene	11.81	91	19554	1.539	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.19	105	450991	30.025	ug/l	97
85) sec-Butylbenzene	12.29	105	43658	2.087	ug/l #	67
86) p-Isopropyltoluene	12.42	119	74566	4.268	ug/l	98
89) n-Butylbenzene	12.83	91	190890	10.707	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	13.60	75	1684	2.962	ug/l #	42
95) Naphthalene	14.45	128	12456	1.331	ug/l #	45

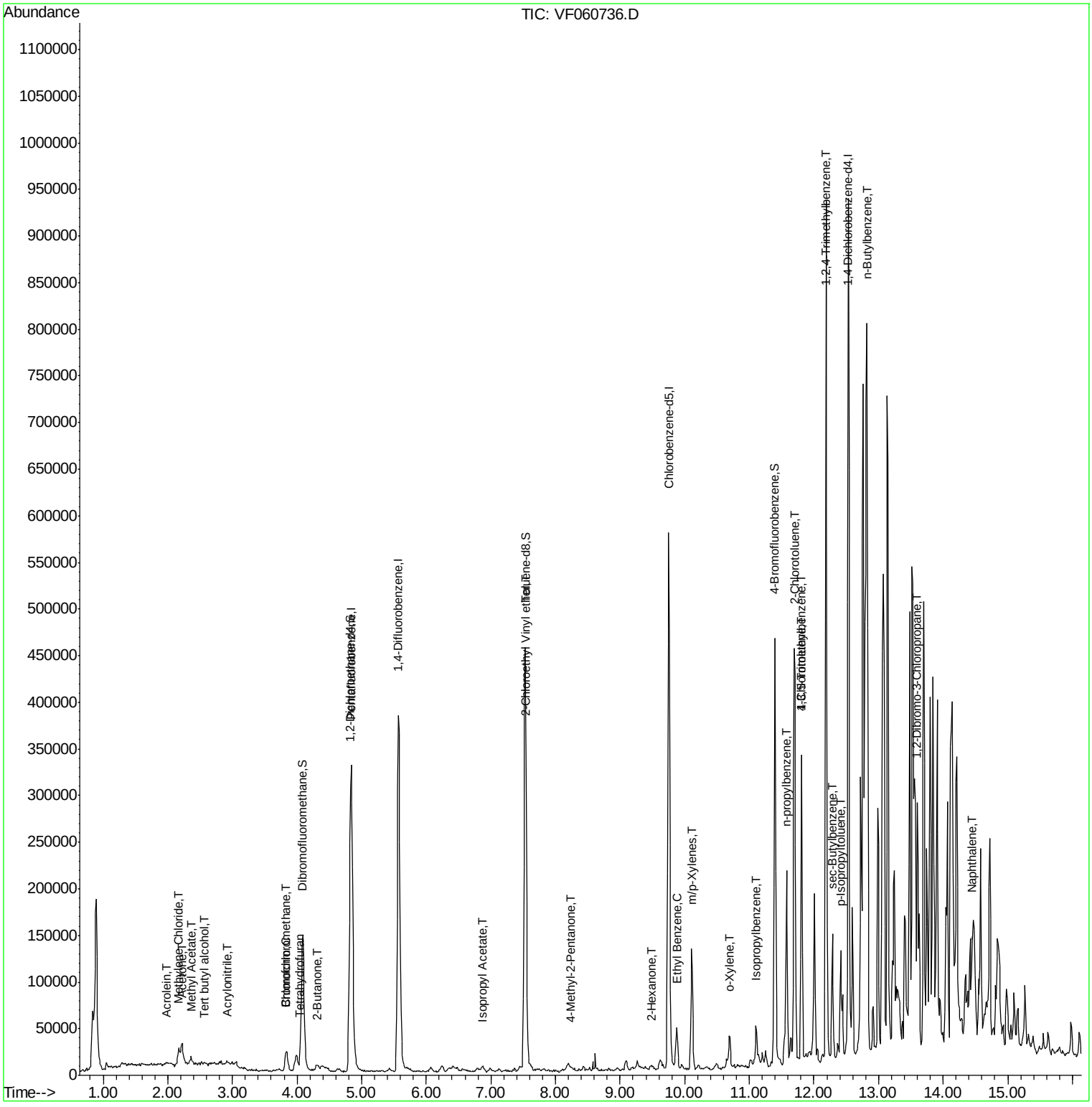
(#) = qualifier out of range (m) = manual integration (+) = signals summed

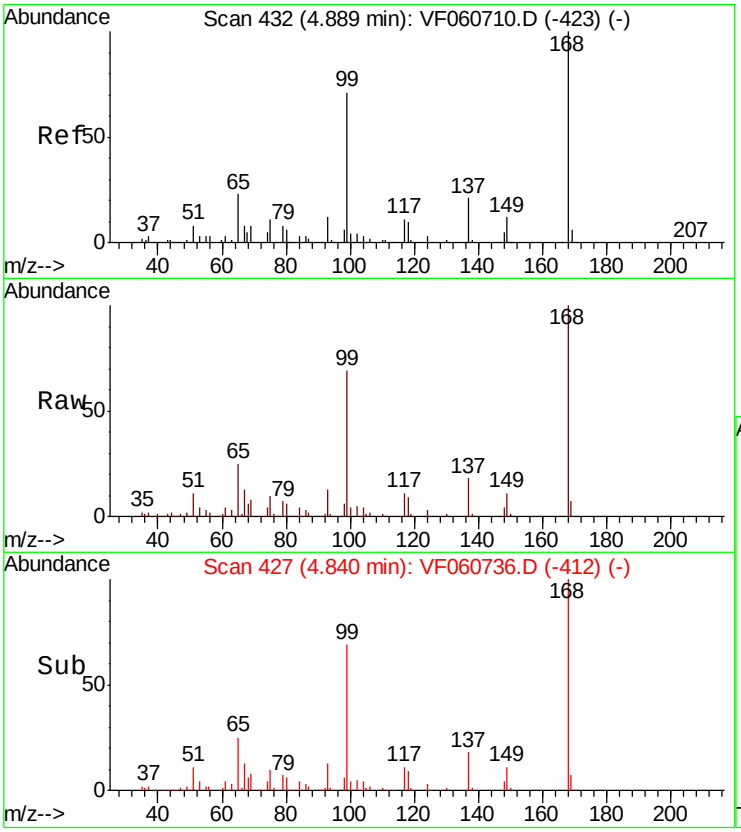
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060736.D
Acq On : 14 Nov 2018 20:49
Operator : VA/AP
Sample : J5915-05
Misc : 5.09g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
T-5

Quant Time: Nov 15 06:39:24 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



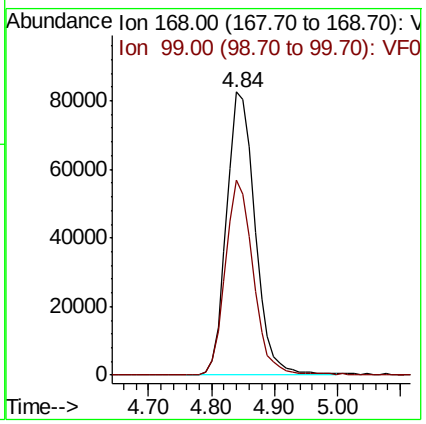


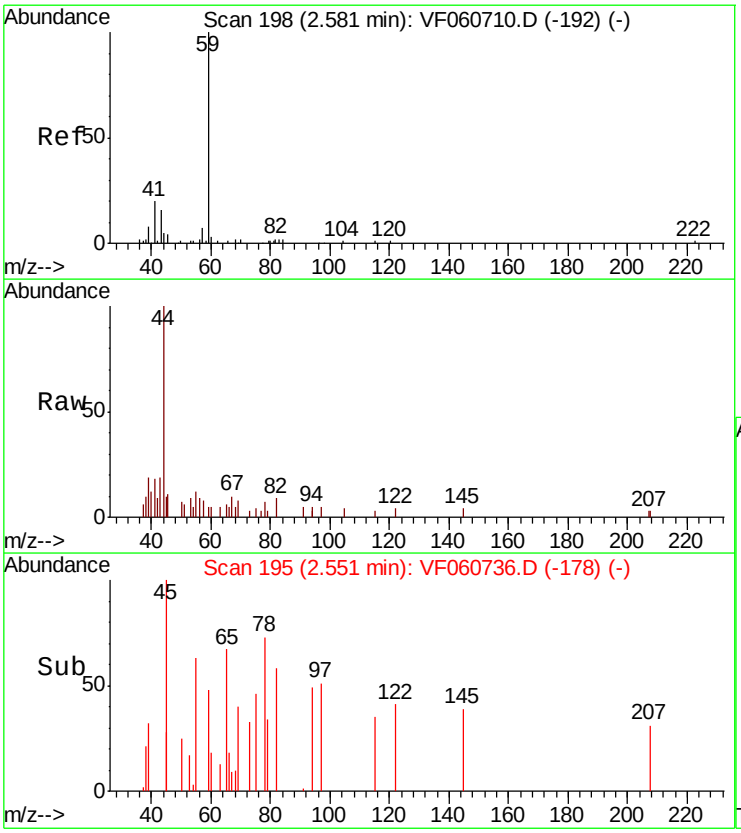
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.05 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion:168 Resp: 259235

Ion	Ratio	Lower	Upper
168	100		
99	68.8	57.2	85.8

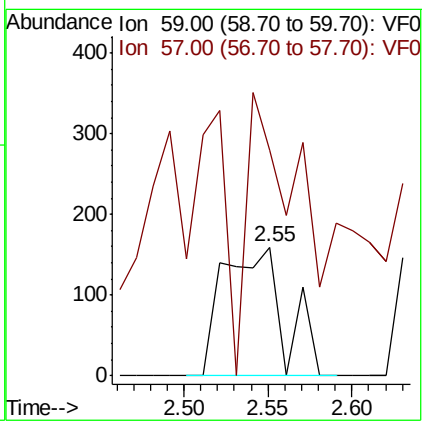


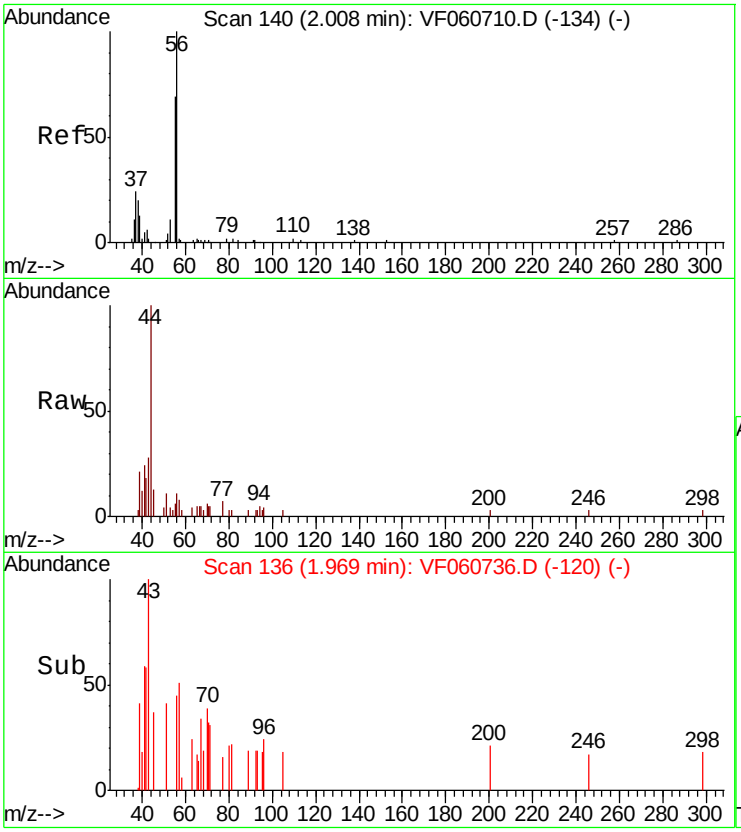


#11
Tert butyl alcohol
Concen: 2.980 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 59 Resp: 401

Ion	Ratio	Lower	Upper
59	100		
57	176.1	10.5	15.7#



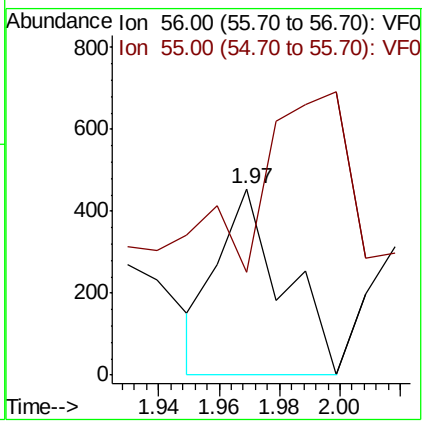


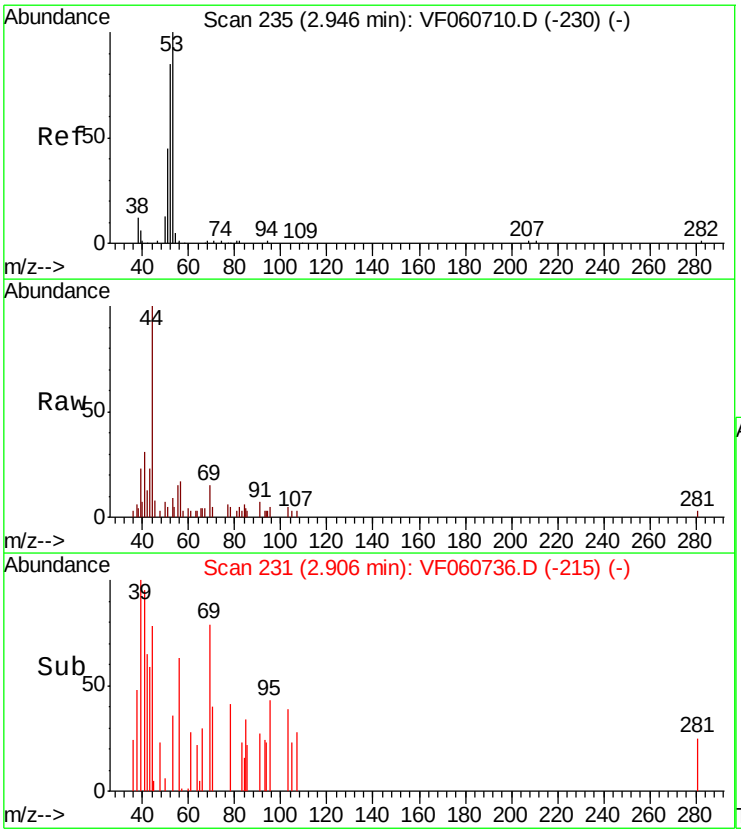
#13
Acrolein
Concen: 5.591 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 56 Resp: 688

Ion	Ratio	Lower	Upper
56	100		
55	55.2	56.6	85.0#

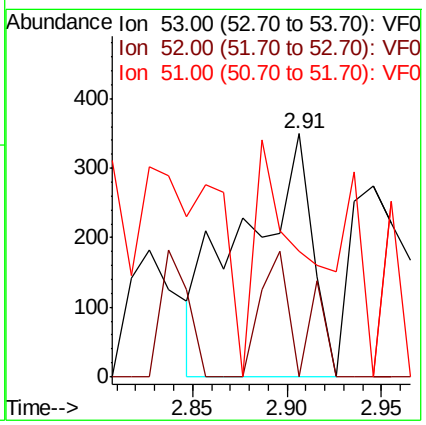


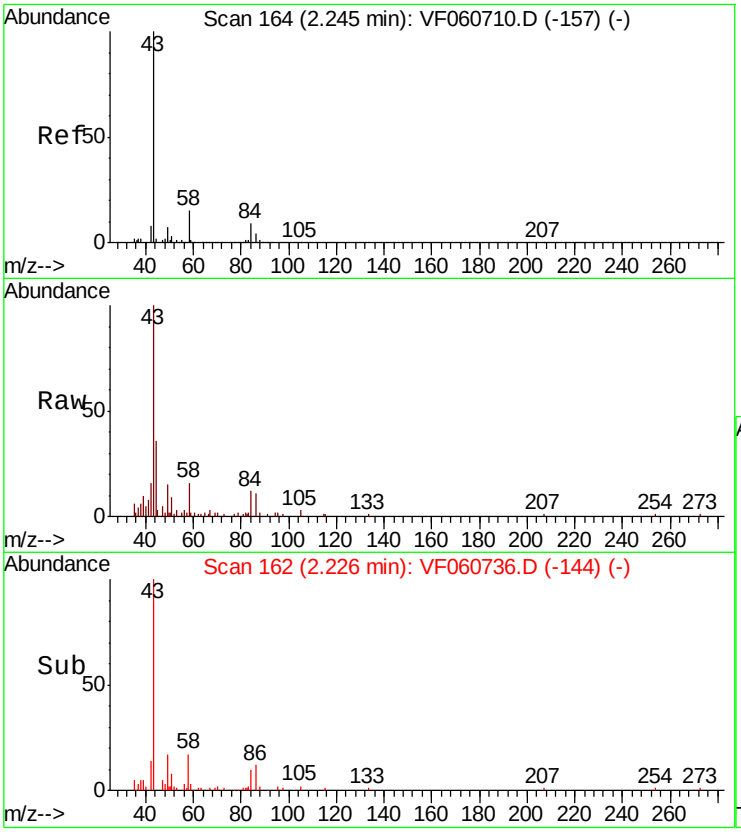


#15
Acrylonitrile
Concen: 3.086 ug/l
RT: 2.91 min Scan# 231
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 53 Resp: 885

Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.8	103.2#
51	51.7	36.7	55.1



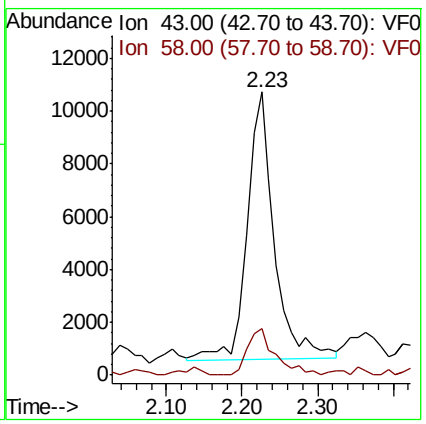


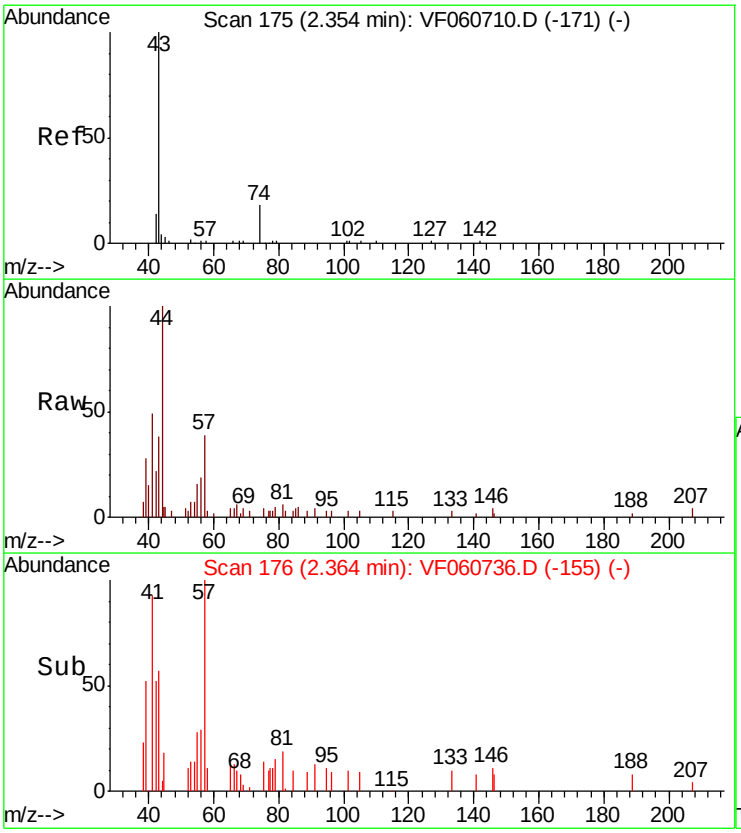
#16
Acetone
Concen: 40.089 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 43 Resp: 25337

Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.6	17.4

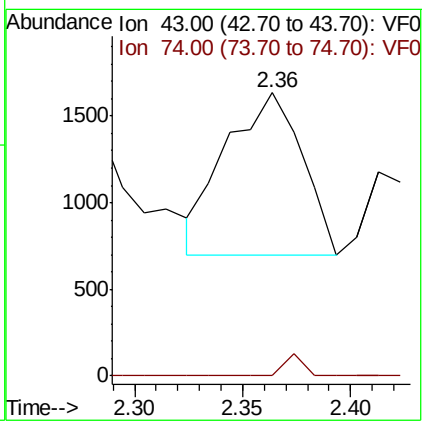


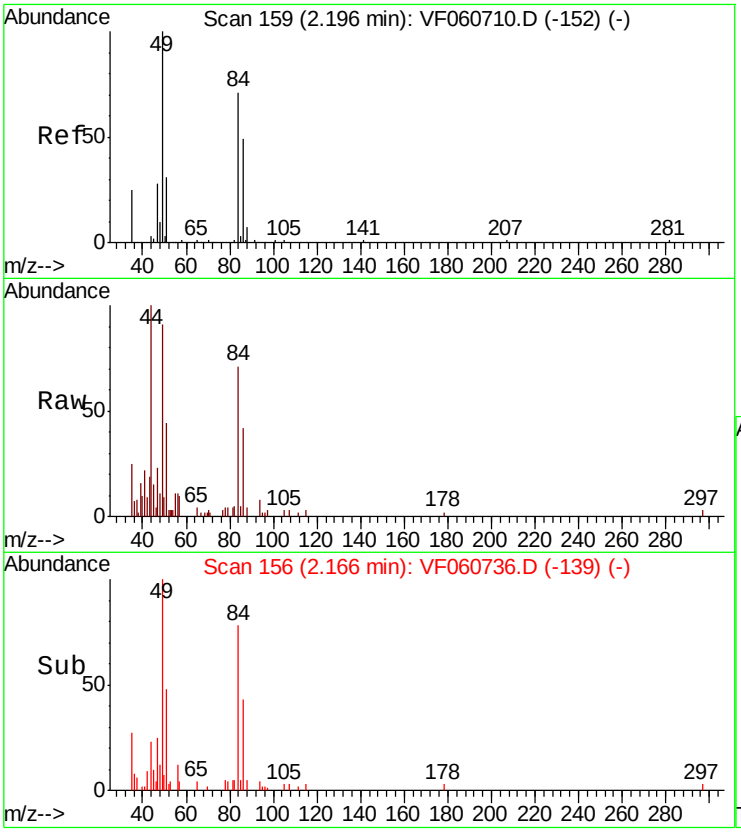


#18
Methyl Acetate
Concen: 2.208 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 43 Resp: 2291

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.8	17.8#



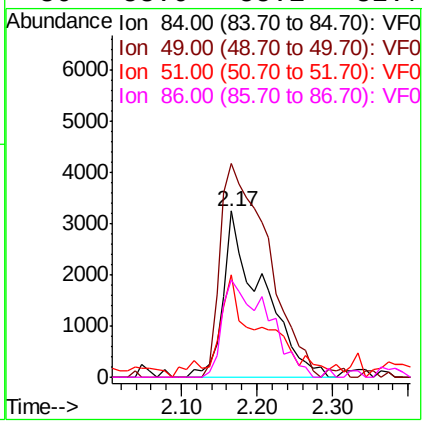


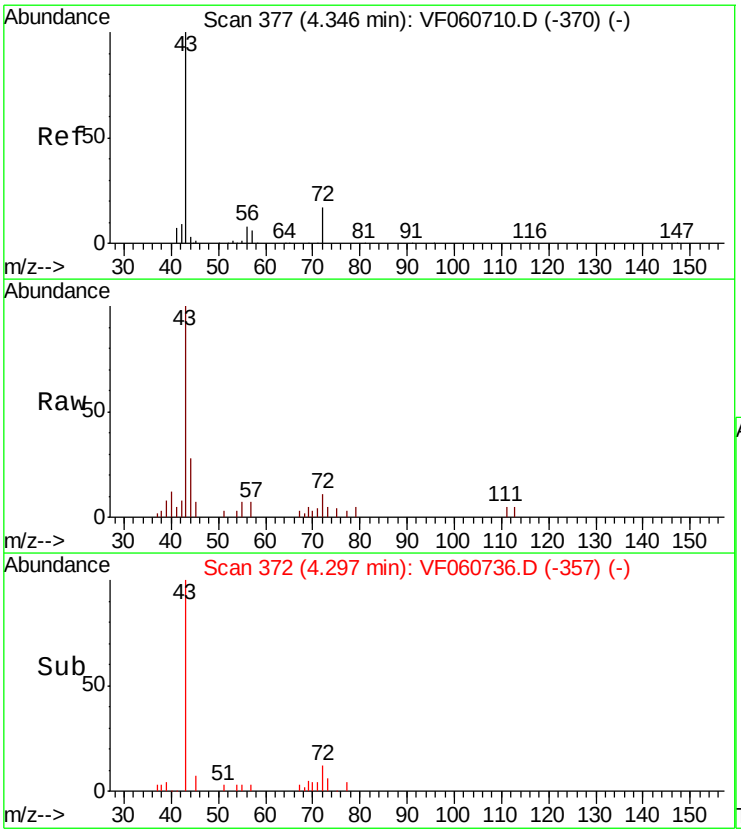
#20
Methylene Chloride
Concen: 2.840 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 84 Resp: 11634

Ion	Ratio	Lower	Upper
84	100		
49	128.6	120.2	180.4
51	61.4	37.2	55.8#
86	58.6	55.1	82.7

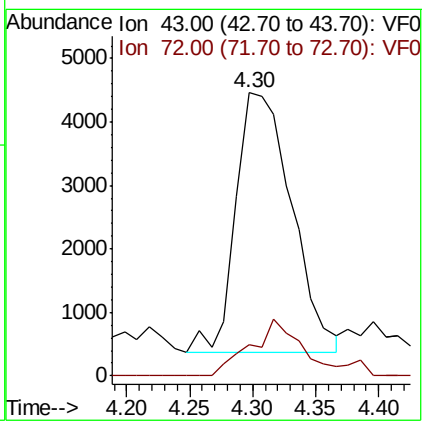


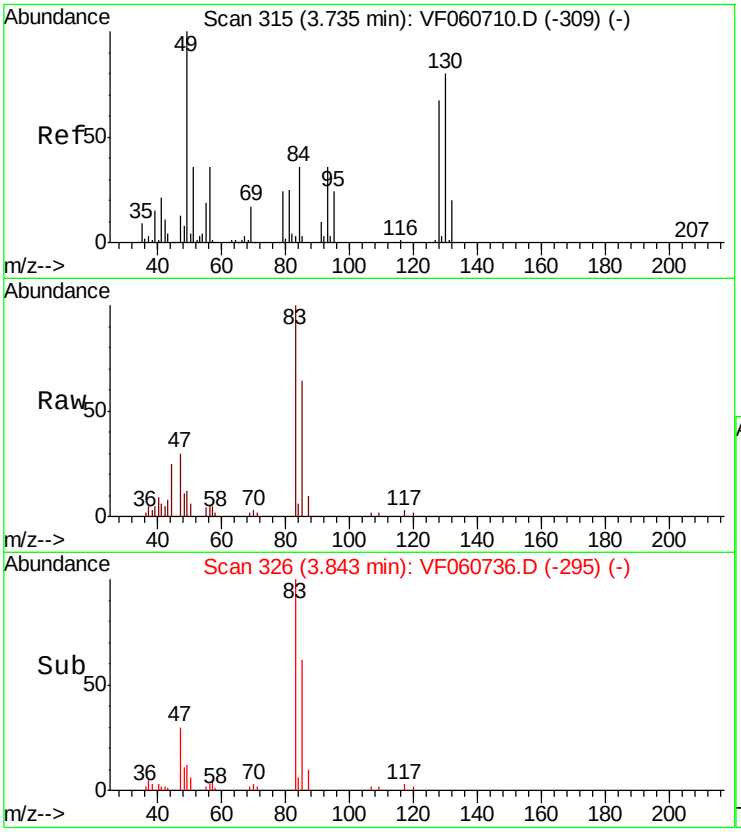


#25
2-Butanone
Concen: 12.078 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.05 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 43 Resp: 12556

Ion	Ratio	Lower	Upper
43	100		
72	11.1	16.1	24.1#



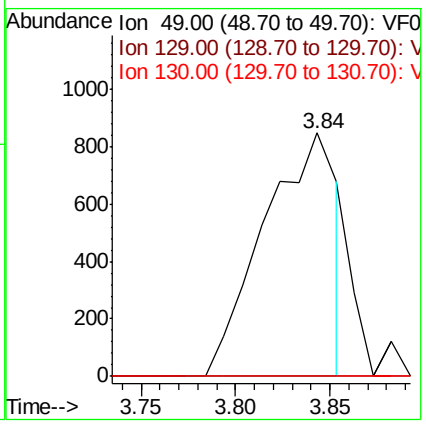


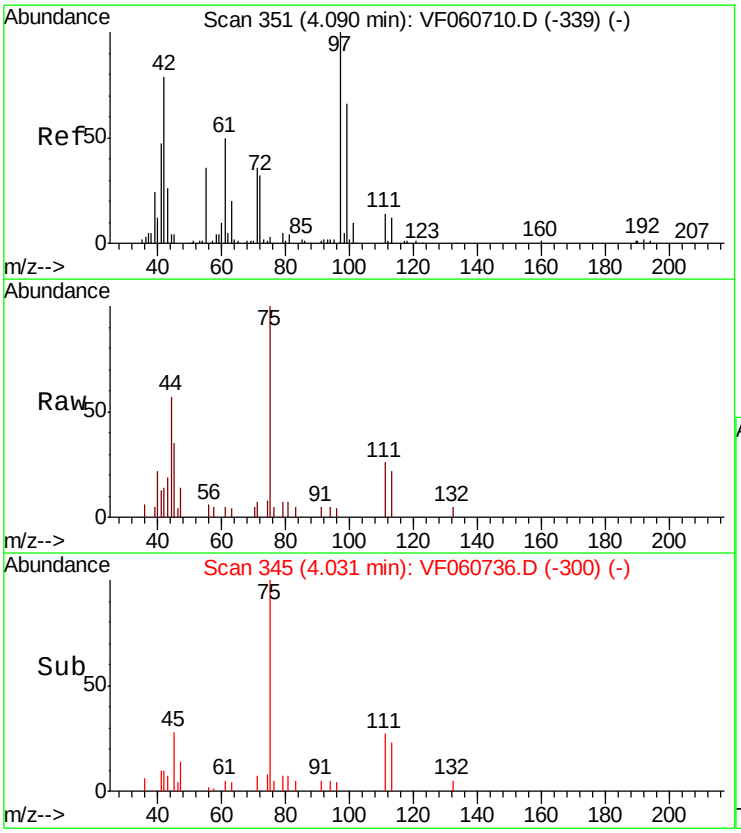
#28
Bromochloromethane
Concen: 1.017 ug/l
RT: 3.84 min Scan# 326
Delta R.T. 0.11 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 49 Resp: 2288

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	0.0	63.9	95.9#

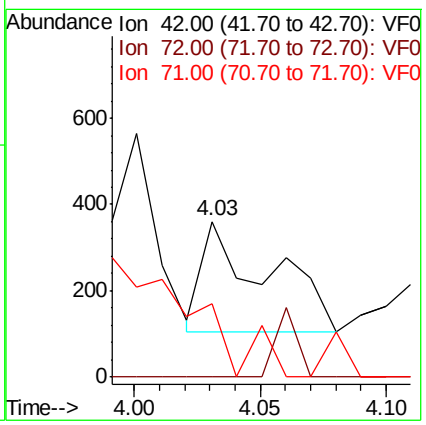


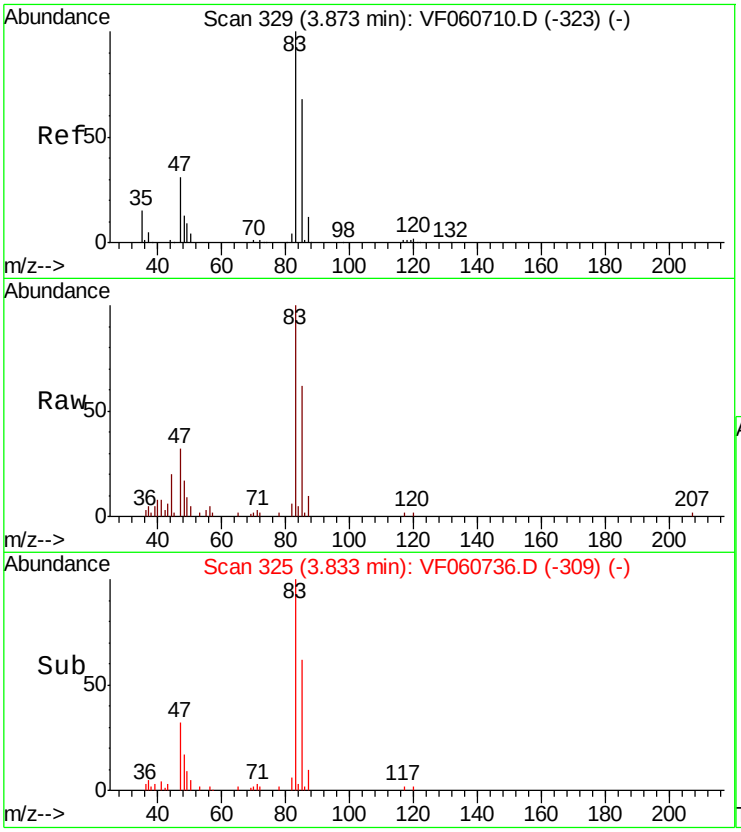


#29
Tetrahydrofuran
Concen: 1.094 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.06 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 42 Resp: 469

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



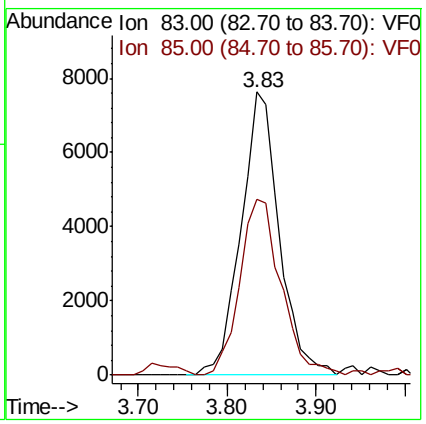


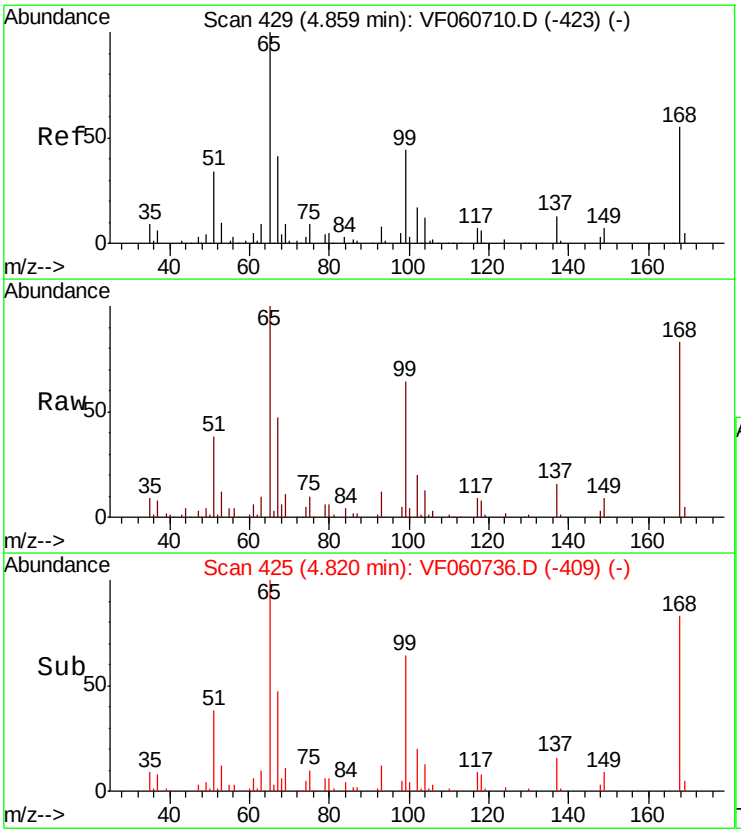
#30
Chloroform
Concen: 3.252 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 83 Resp: 22595

Ion	Ratio	Lower	Upper
83	100		
85	62.2	54.6	82.0

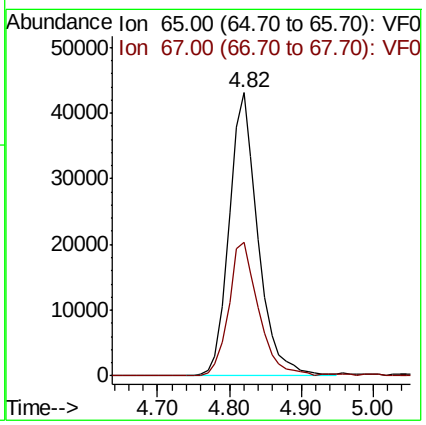


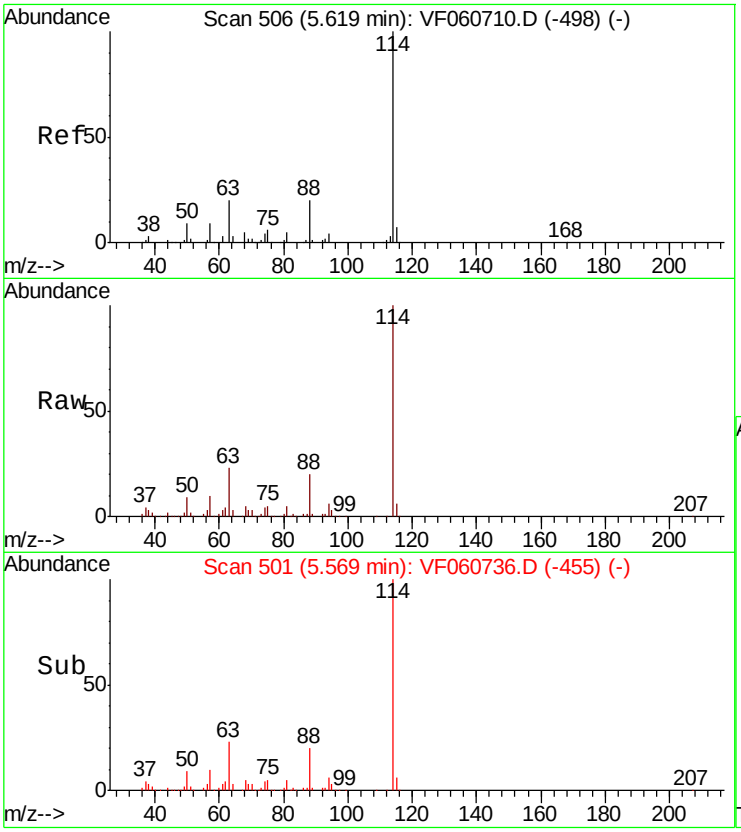


#33
1,2-Dichloroethane-d4
Concen: 40.563 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 65 Resp: 119939

Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	90.2



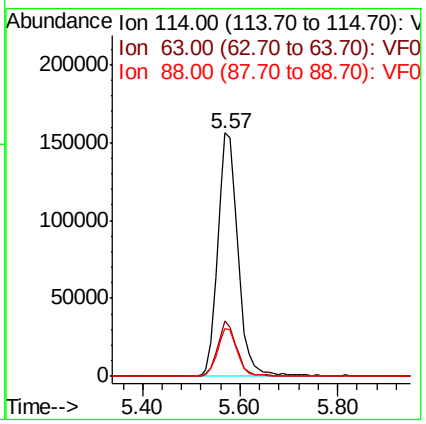


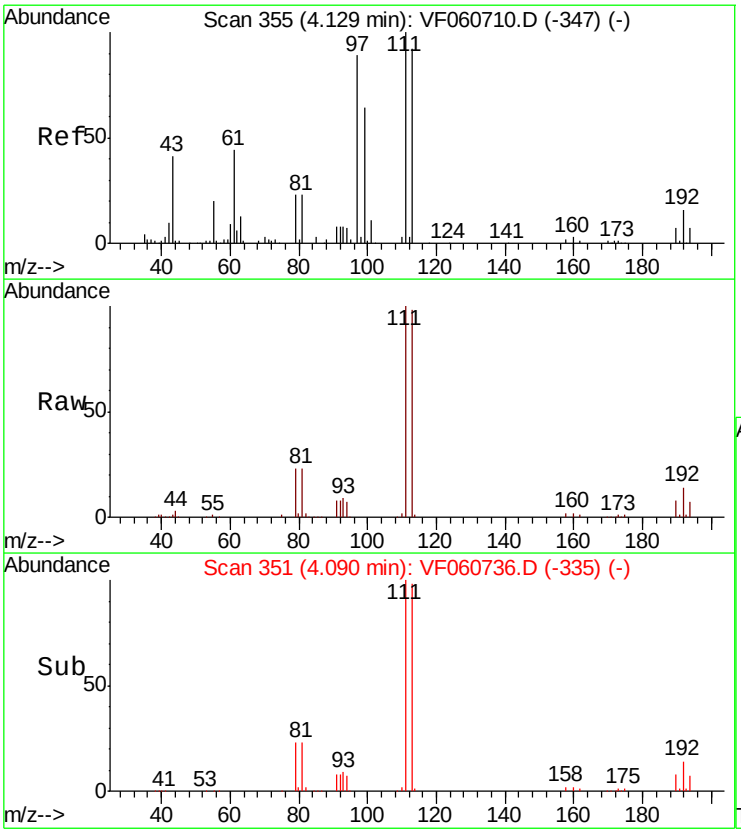
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.05 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion:114 Resp: 450404

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.8
88	19.8	0.0	39.6

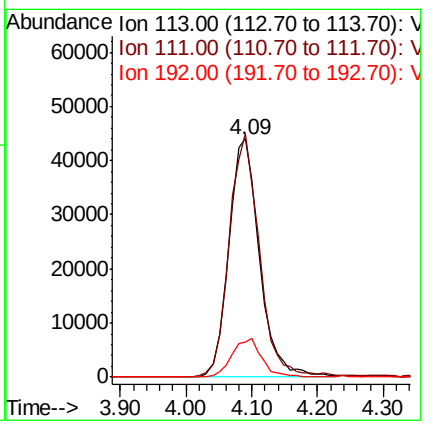


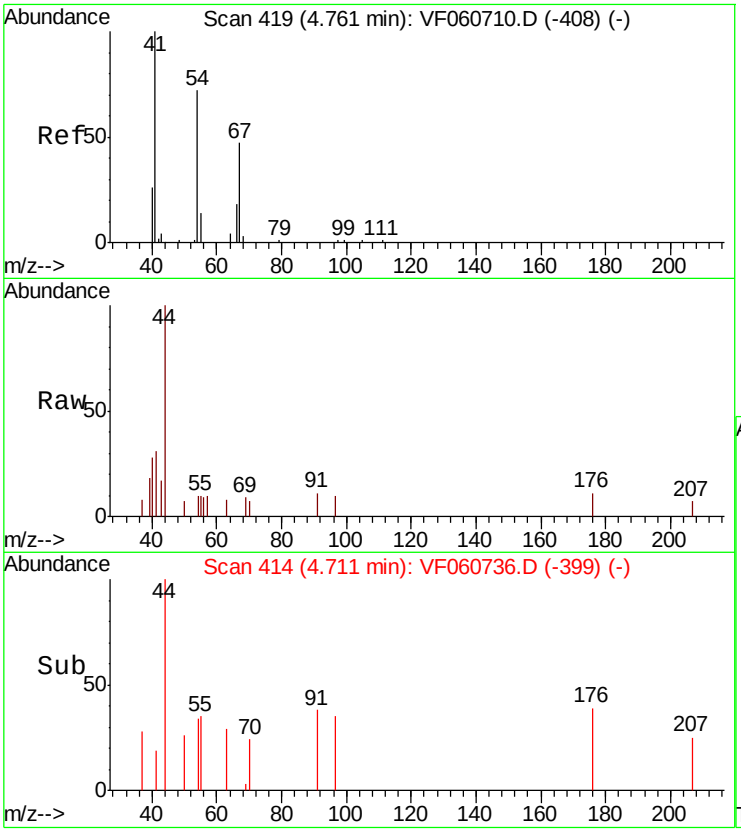


#35
Dibromofluoromethane
Concen: 42.524 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:113 Resp: 143973

Ion	Ratio	Lower	Upper
113	100		
111	102.2	87.1	130.7
192	14.4	13.8	20.6



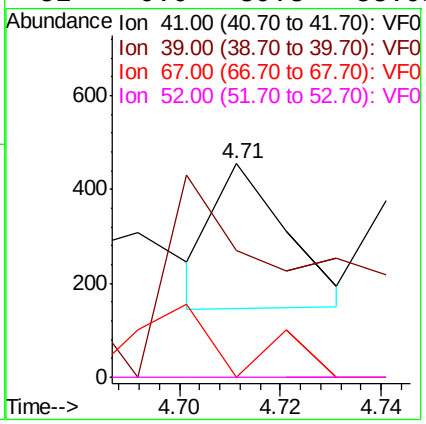


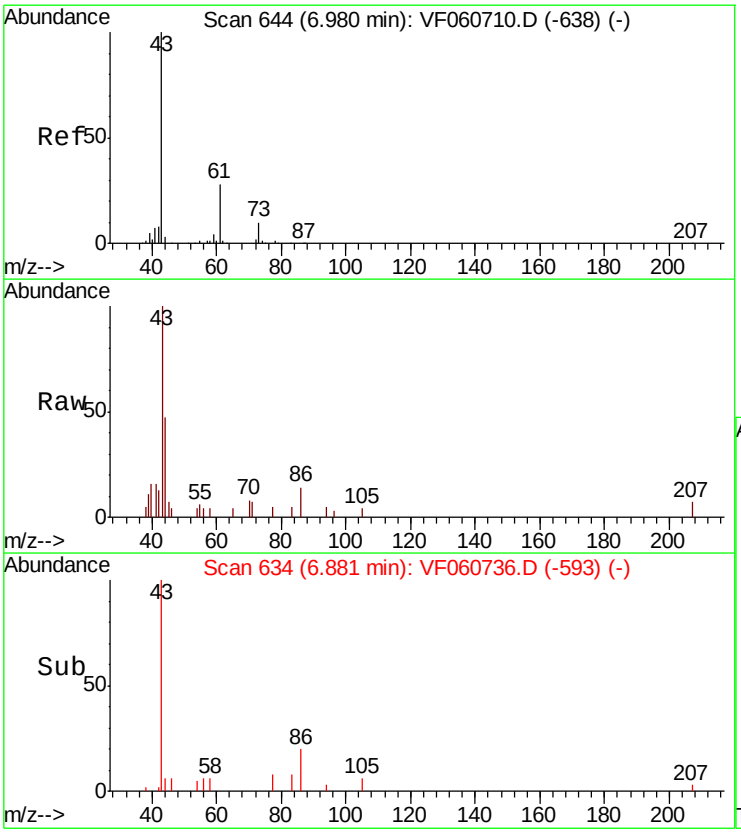
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.71 min Scan# 414
Delta R.T. -0.05 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 41 Resp: 308

Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.1	70.7
67	0.0	37.1	55.7#
52	0.0	39.3	58.9#

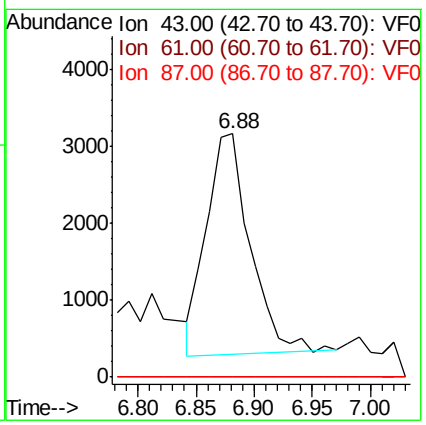


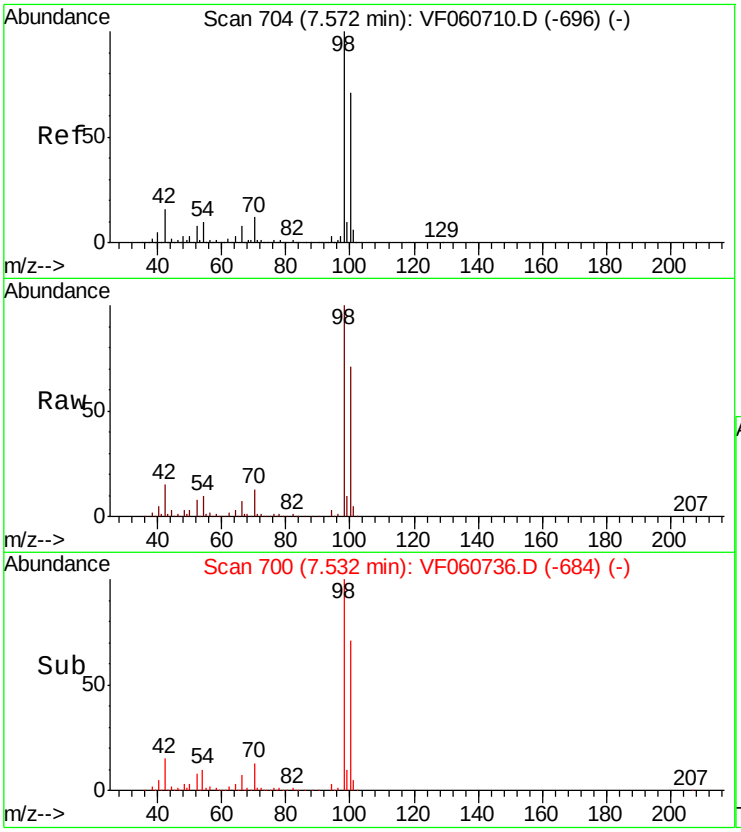


#43
Isopropyl Acetate
Concen: 2.919 ug/l
RT: 6.88 min Scan# 634
Delta R.T. -0.10 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 43 Resp: 7515

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.2	33.4#
87	0.0	0.4	0.6#



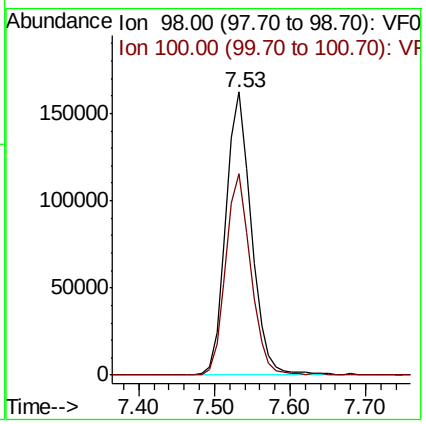


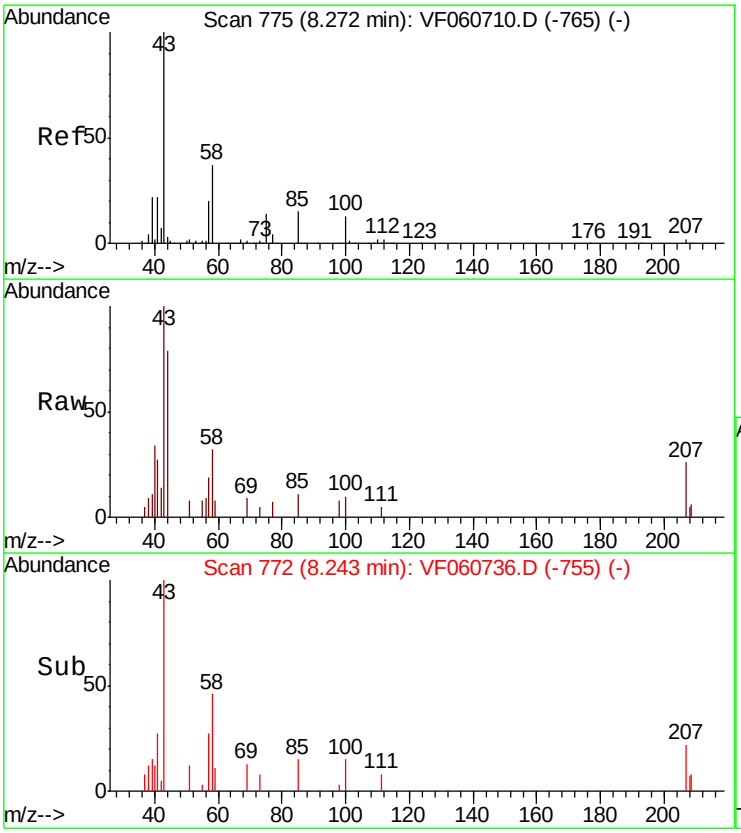
#50
Toluene-d8
Concen: 43.065 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 98 Resp: 378578

Ion	Ratio	Lower	Upper
98	100		
100	71.3	56.5	84.7

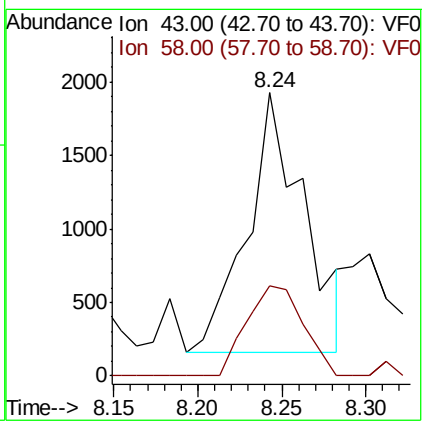


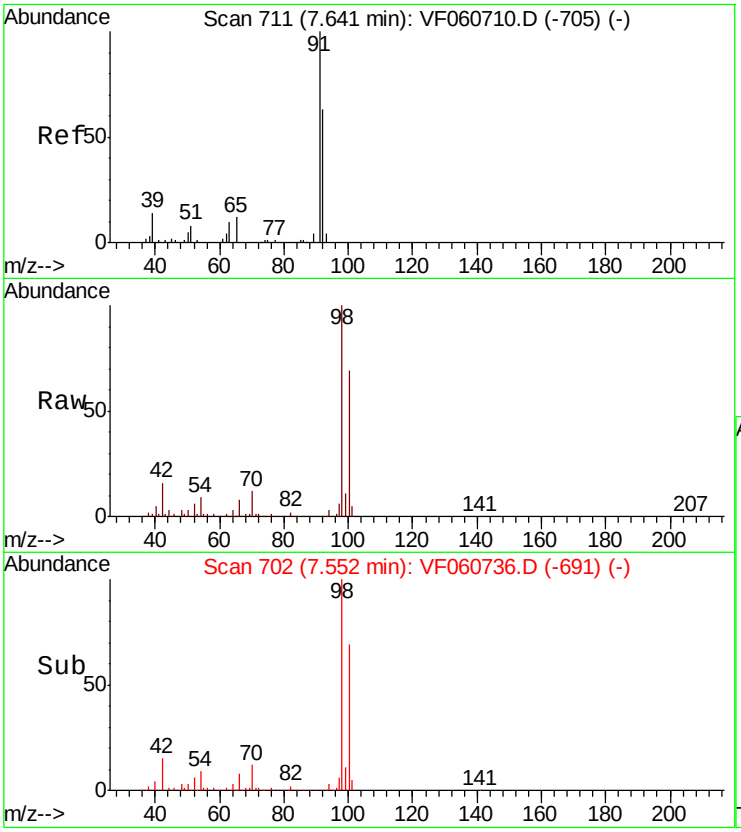


#51
4-Methyl-2-Pentanone
Concen: 2.225 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 43 Resp: 4143

Ion	Ratio	Lower	Upper
43	100		
58	31.9	29.2	43.8



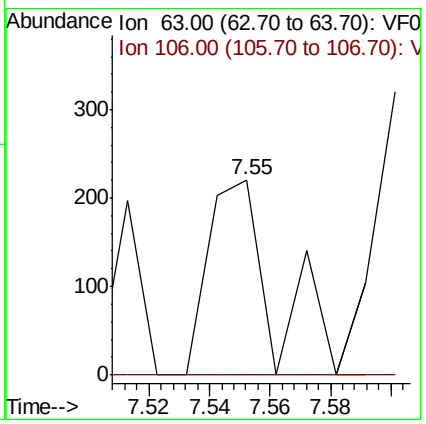


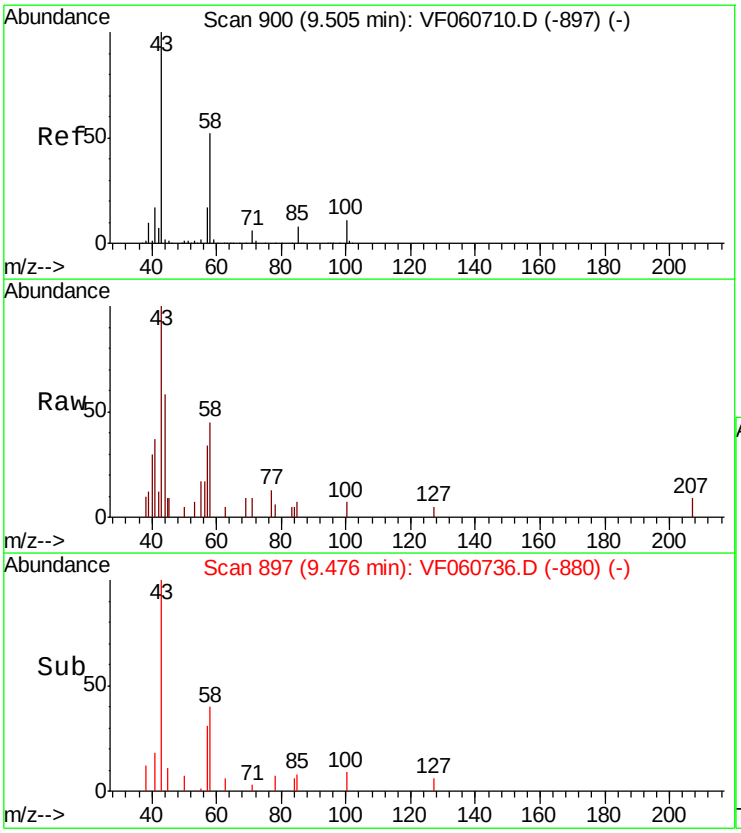
#58
2-Chloroethyl Vinyl ether
Concen: 1.444 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.09 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 63 Resp: 334

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

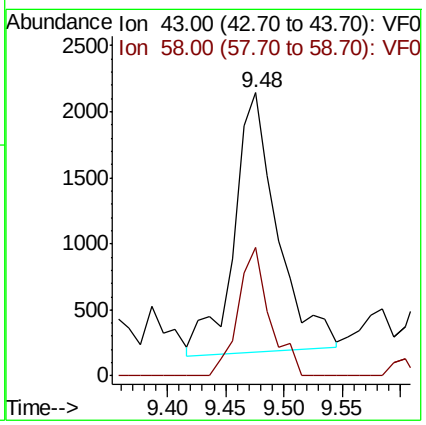


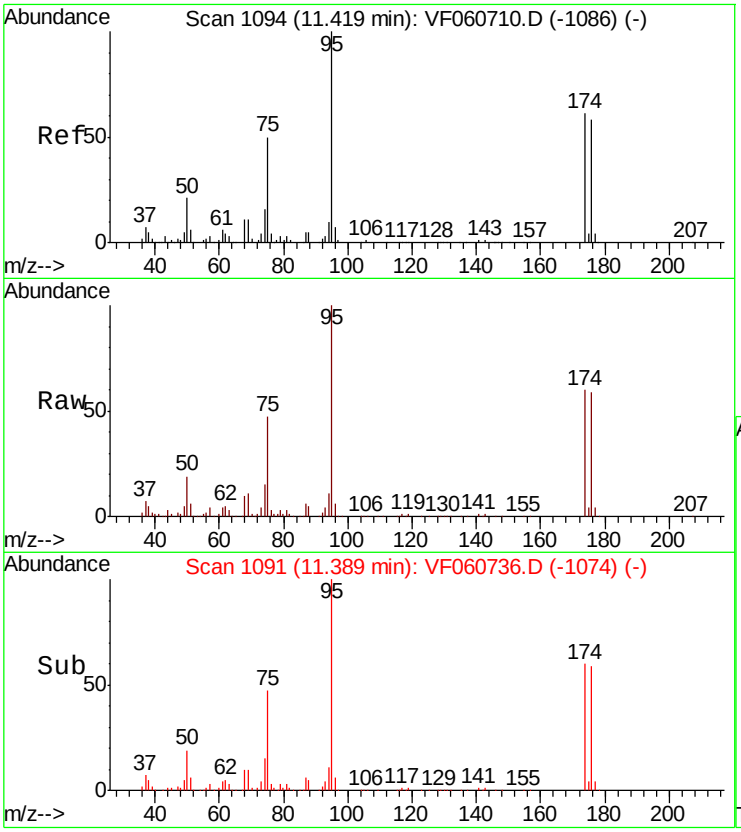


#59
2-Hexanone
Concen: 3.882 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 43 Resp: 5080

Ion	Ratio	Lower	Upper
43	100		
58	45.2	24.9	74.7



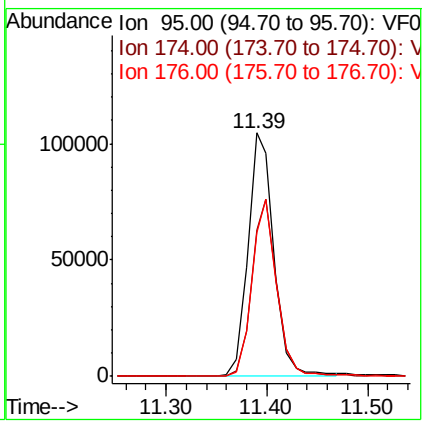


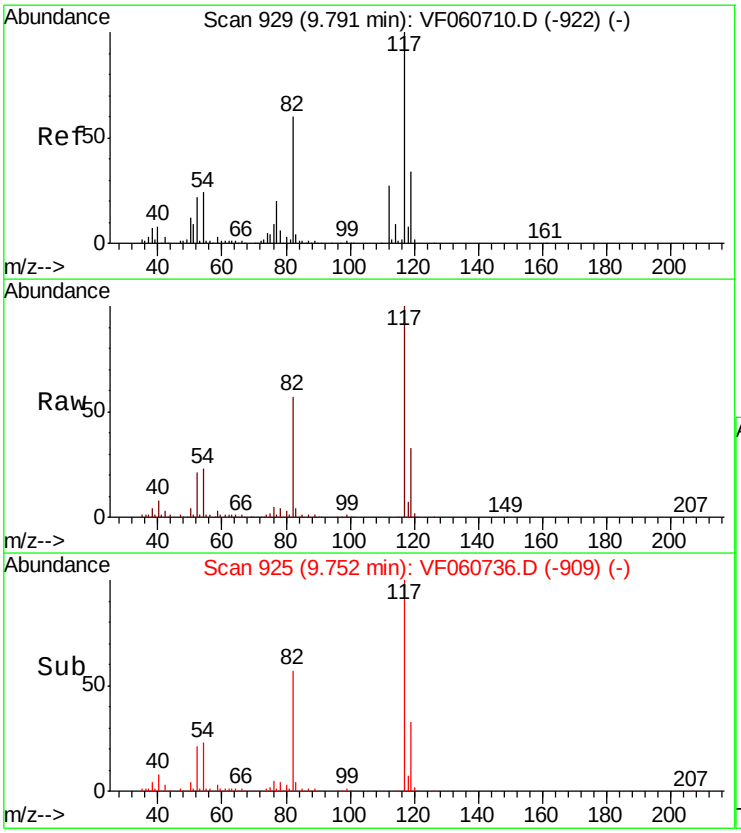
#62
4-Bromofluorobenzene
Concen: 46.401 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 95 Resp: 187074

Ion	Ratio	Lower	Upper
95	100		
174	59.9	0.0	121.6
176	59.0	0.0	115.2

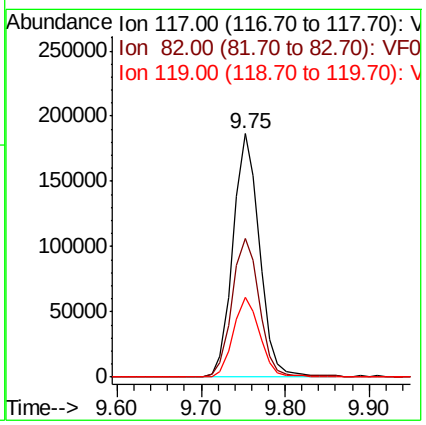


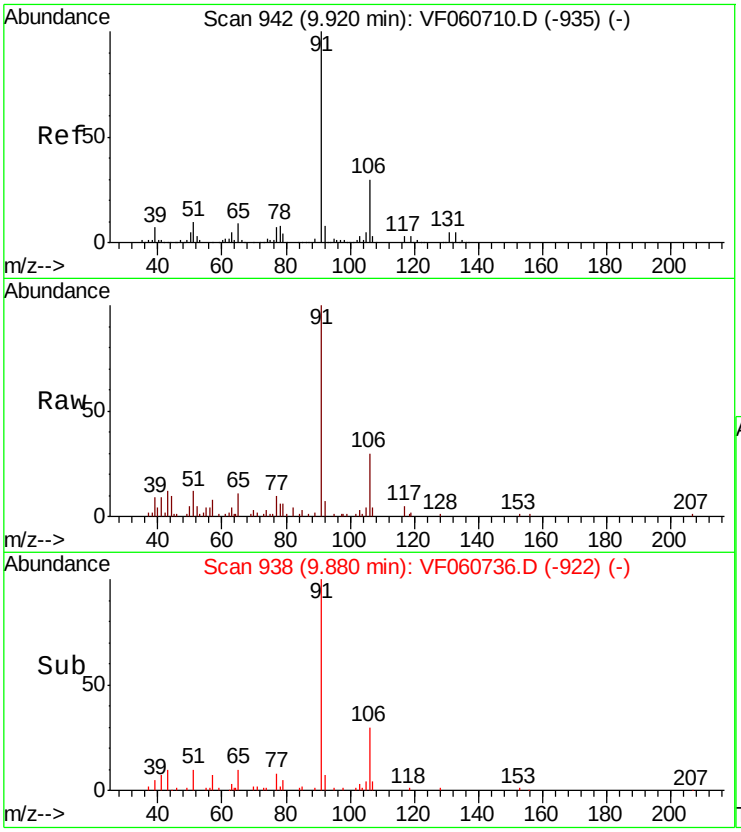


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:117 Resp: 409891

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.9	71.9
119	32.5	26.8	40.2



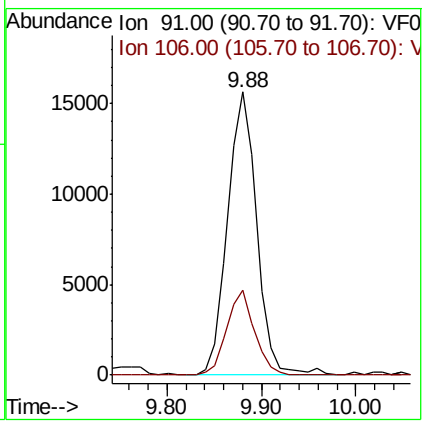


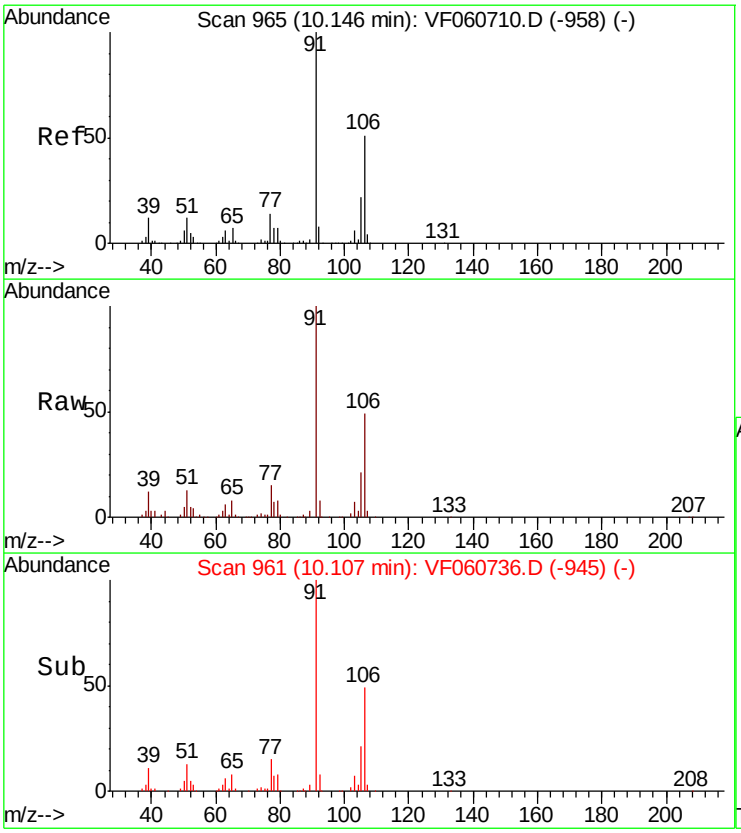
#67
Ethyl Benzene
Concen: 2.144 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 91 Resp: 33430

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

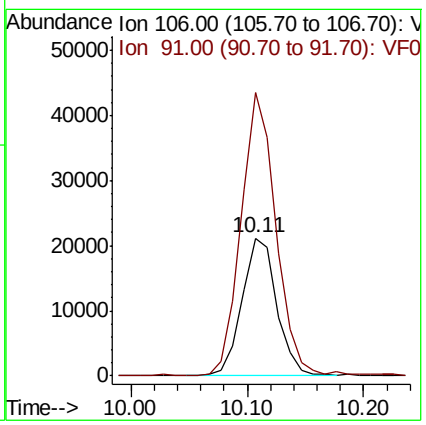


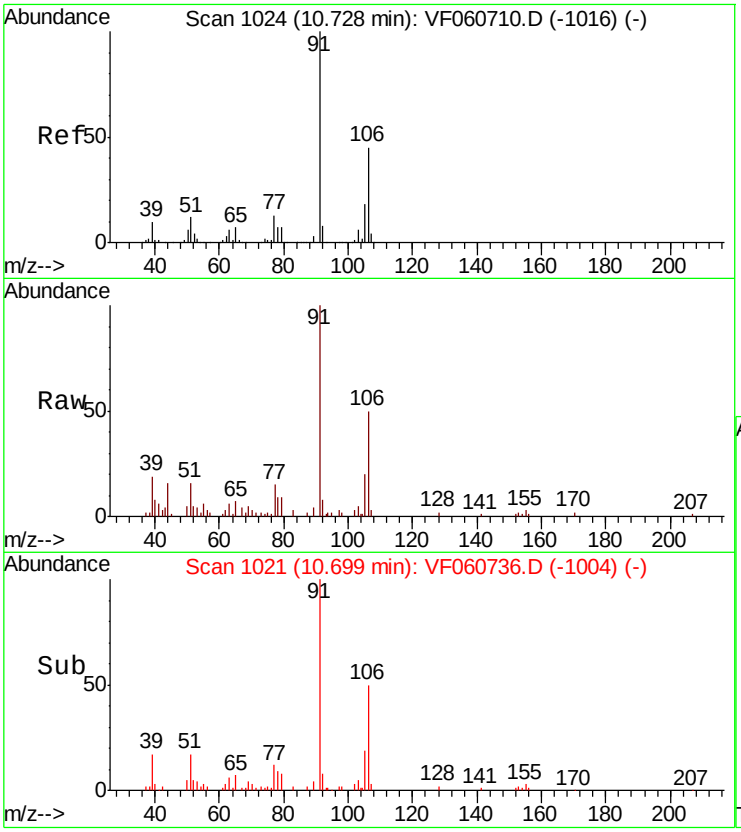


#68
m/p-Xylenes
Concen: 7.873 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:106 Resp: 43869

Ion	Ratio	Lower	Upper
106	100		
91	205.2	158.2	237.2



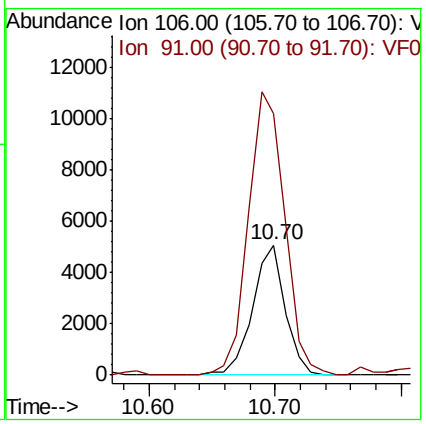


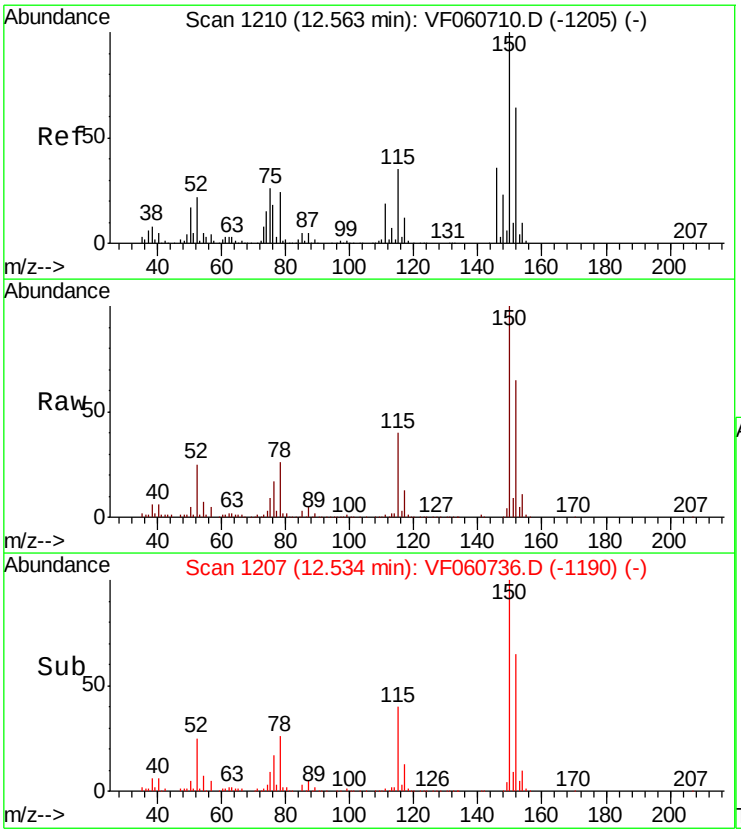
#69
o-Xylene
Concen: 1.462 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion:106 Resp: 9160

Ion	Ratio	Lower	Upper
106	100		
91	200.7	110.3	330.9

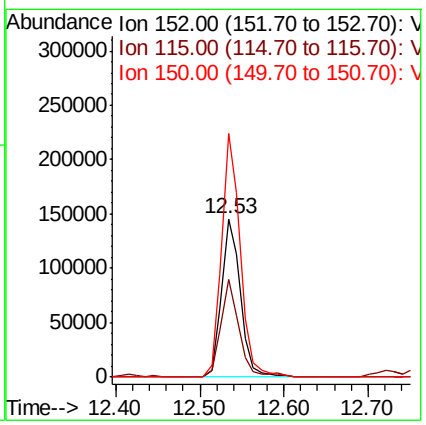


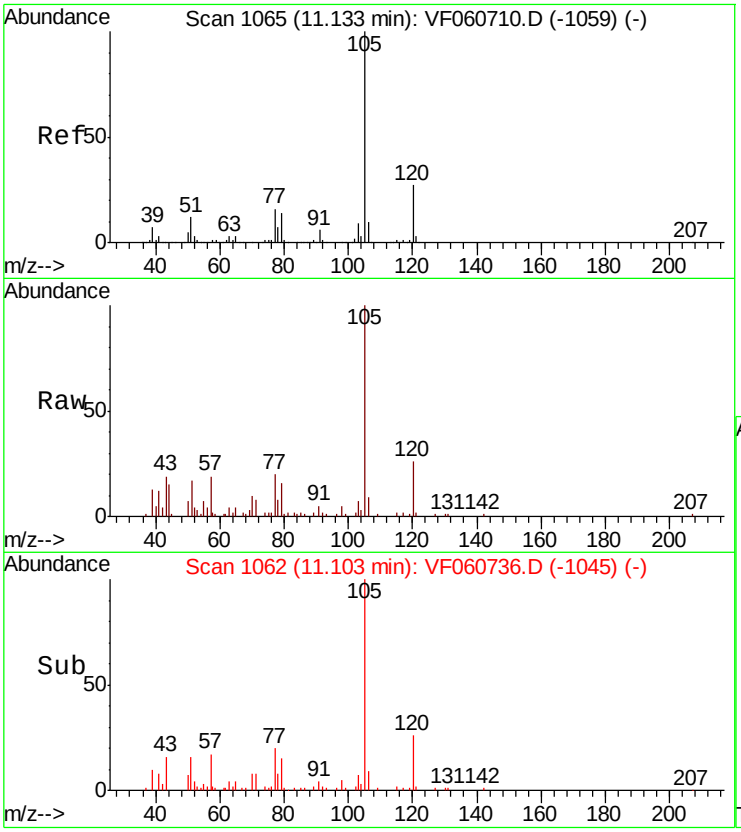


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:152 Resp: 227266

Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.9	83.7
150	153.9	0.0	316.4



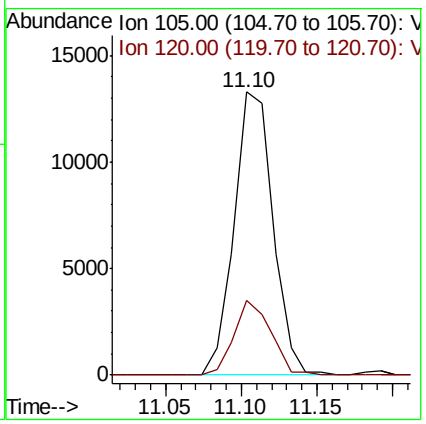


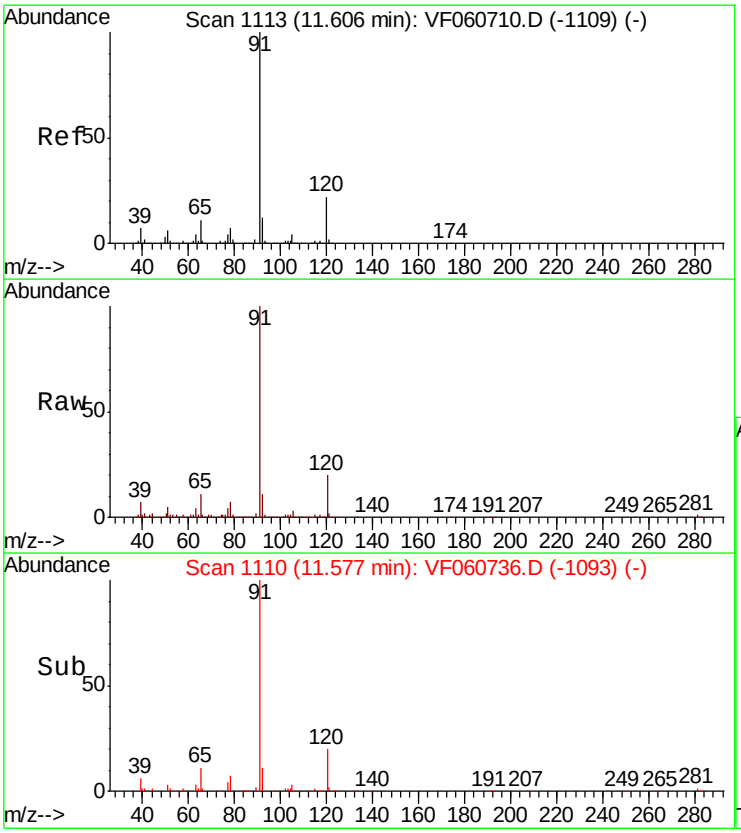
#73
Isopropylbenzene
Concen: 1.301 ug/l
RT: 11.10 min Scan# 1062
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion:105 Resp: 23792

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.1

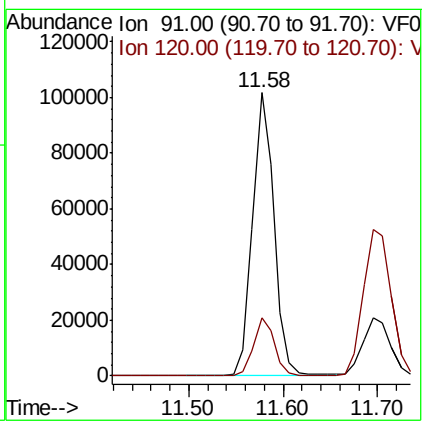


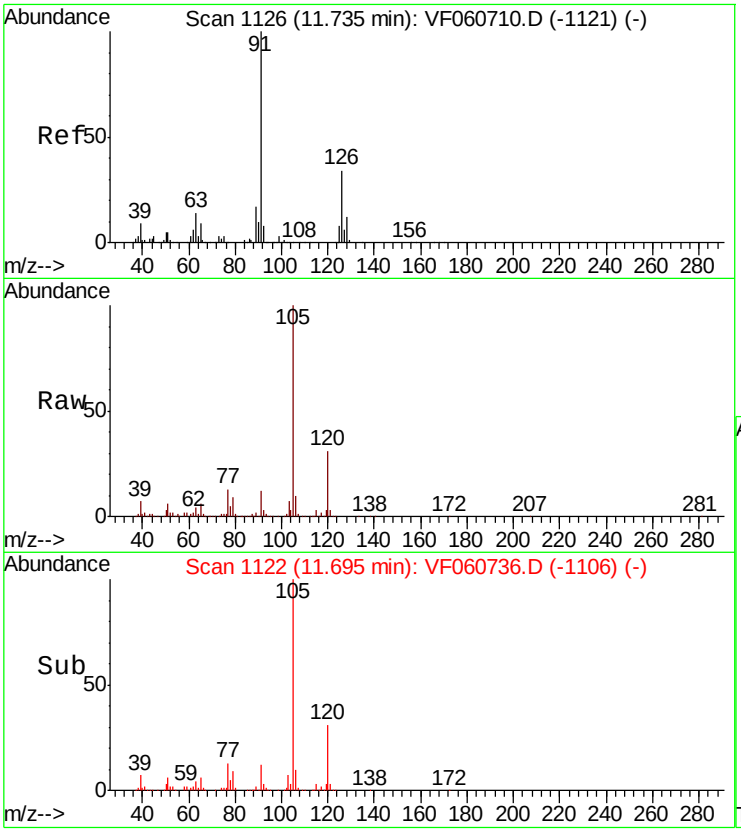


#78
n-propylbenzene
Concen: 7.536 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 91 Resp: 160779

Ion	Ratio	Lower	Upper
91	100		
120	20.4	11.2	33.5



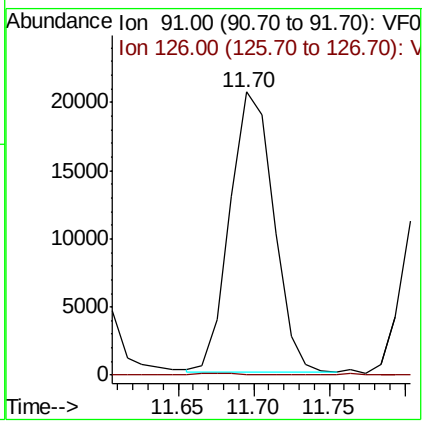


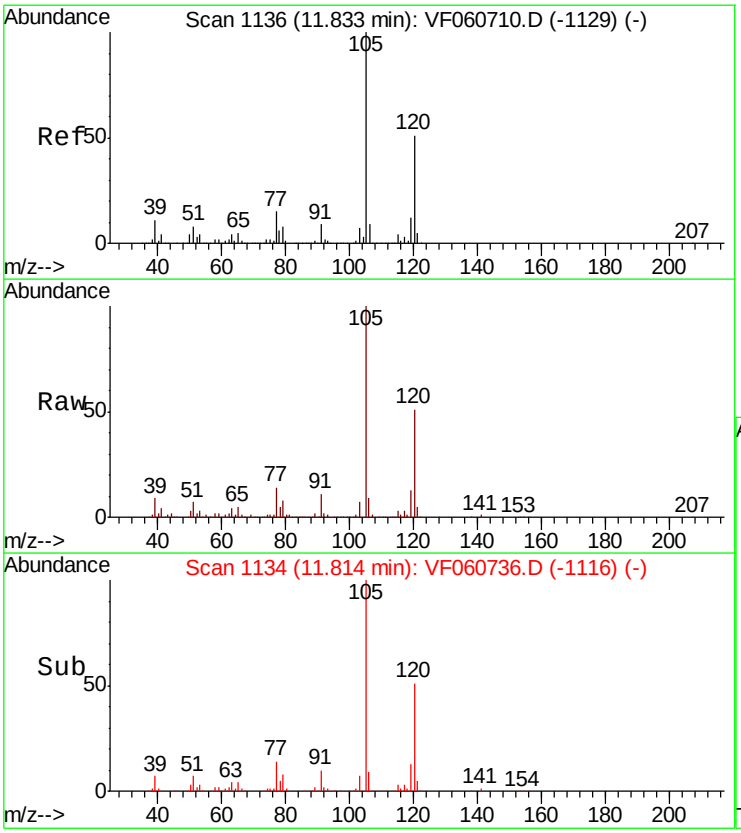
#79
2-Chlorotoluene
Concen: 3.324 ug/l
RT: 11.70 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument : MSVOA_F
ClientSampleId : T-5

Tgt Ion: 91 Resp: 41223

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.8	50.4#

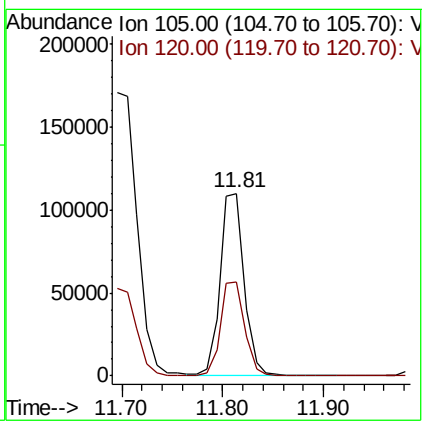


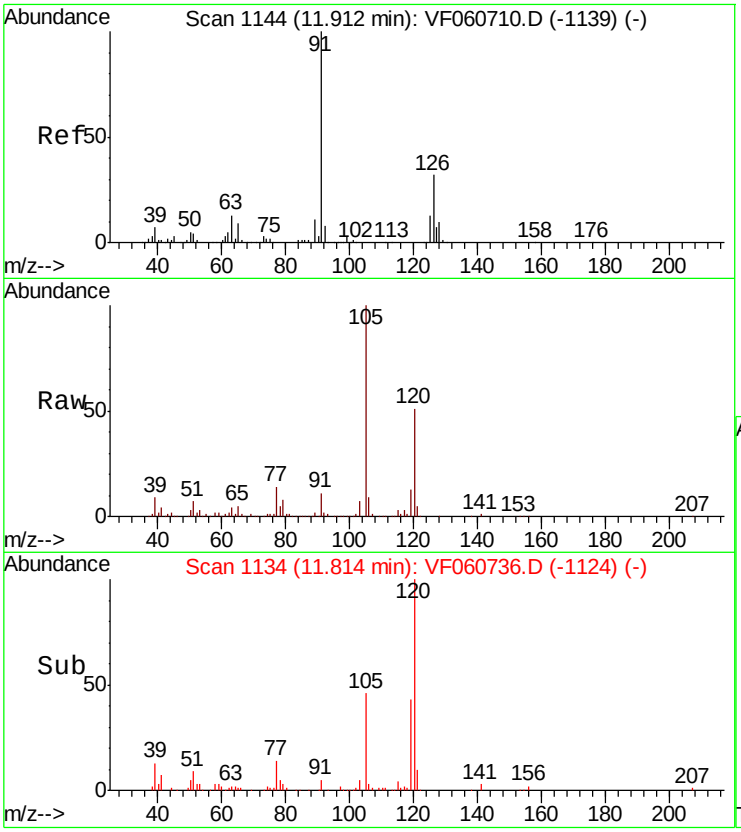


#80
1,3,5-Trimethylbenzene
Concen: 12.526 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:105 Resp: 181918

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.6	76.8



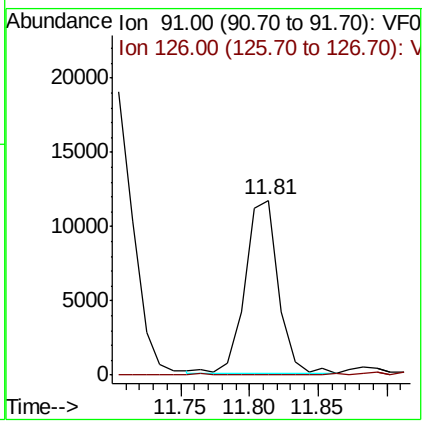


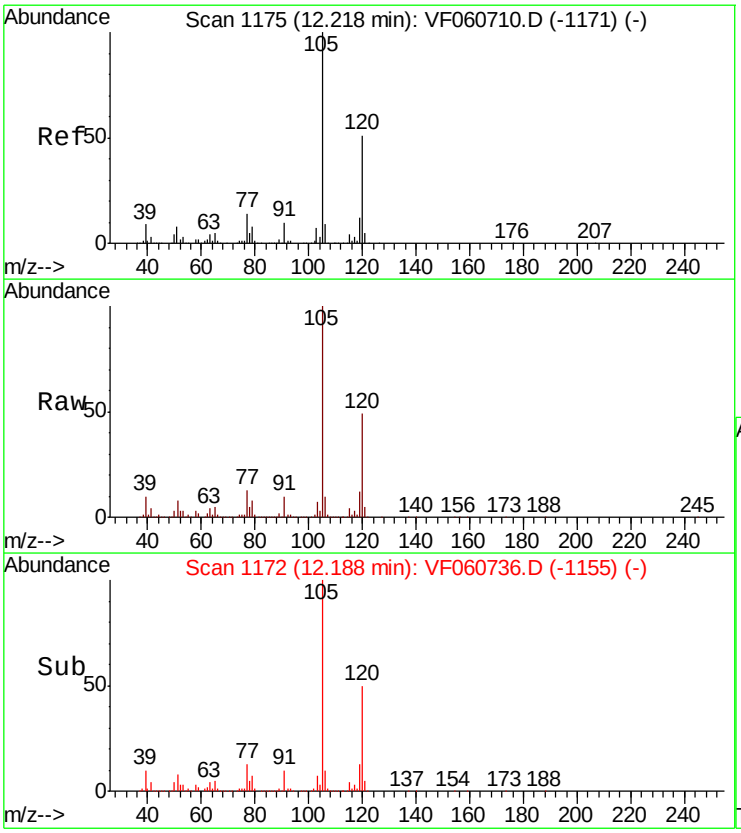
#82
4-Chlorotoluene
Concen: 1.539 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.10 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 91 Resp: 19554

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.0	47.9#

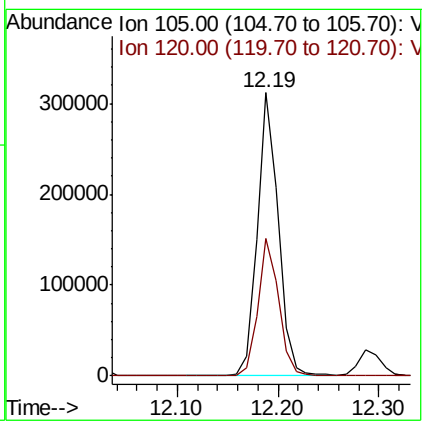


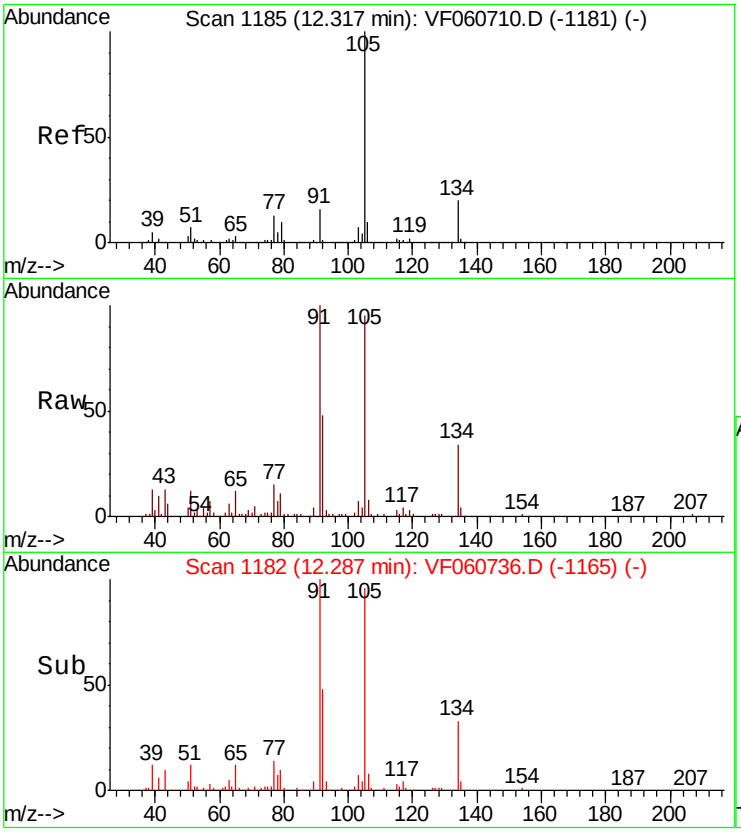


#84
1,2,4-Trimethylbenzene
Concen: 30.025 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:105 Resp: 450991

Ion	Ratio	Lower	Upper
105	100		
120	48.7	25.5	76.5



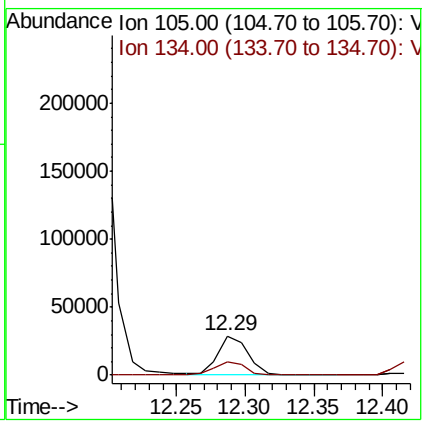


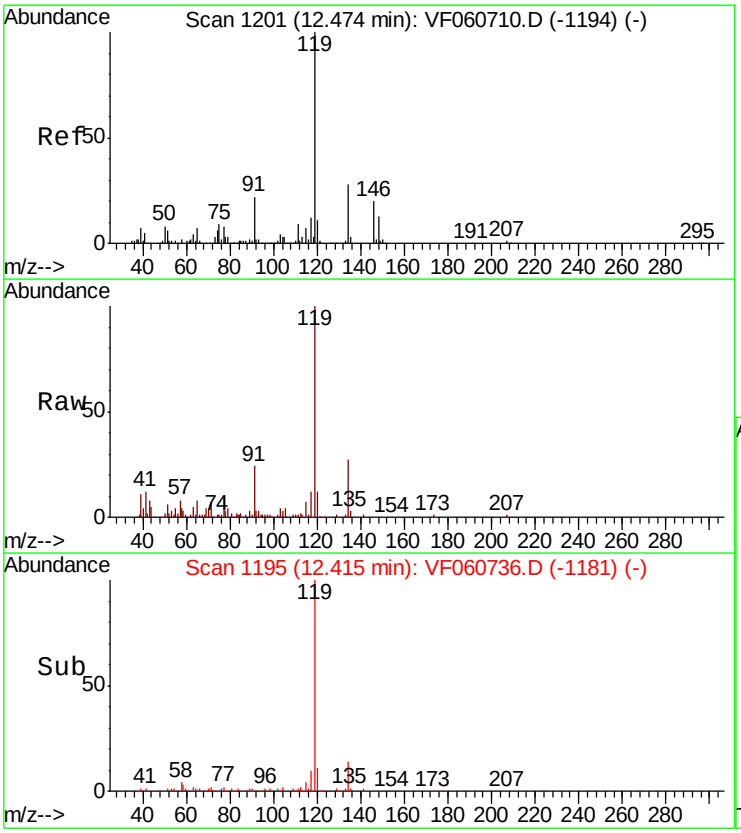
#85
sec-Butylbenzene
Concen: 2.087 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. -0.03 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion:105 Resp: 43658

Ion	Ratio	Lower	Upper
105	100		
134	35.2	10.1	30.3#

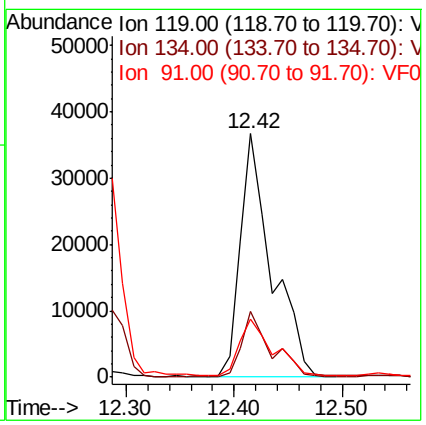


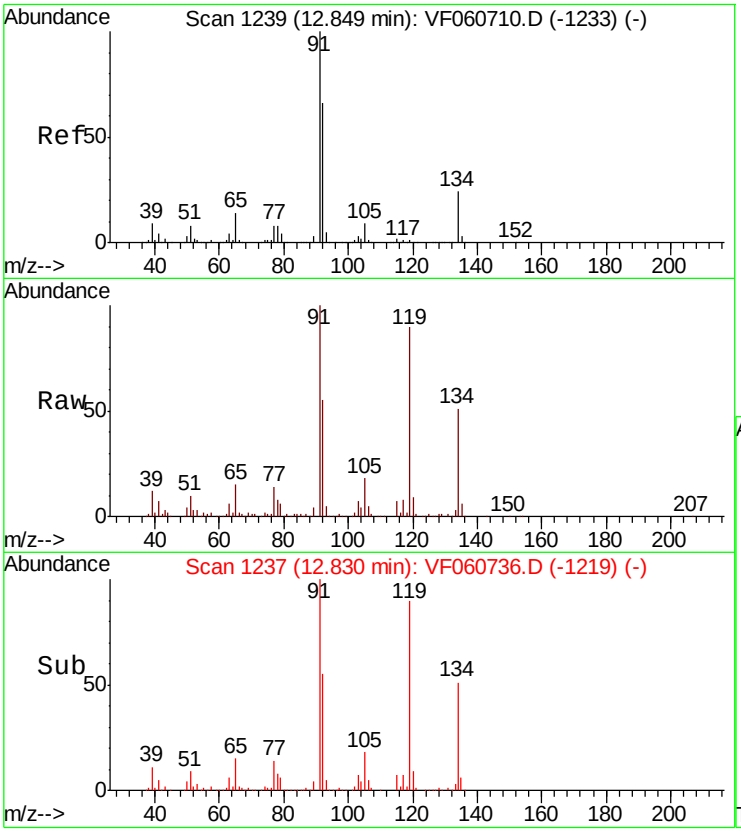


#86
p-Isopropyltoluene
Concen: 4.268 ug/l
RT: 12.42 min Scan# 1195
Delta R.T. -0.06 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion:119 Resp: 74566

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.9	41.7
91	23.8	11.3	33.9



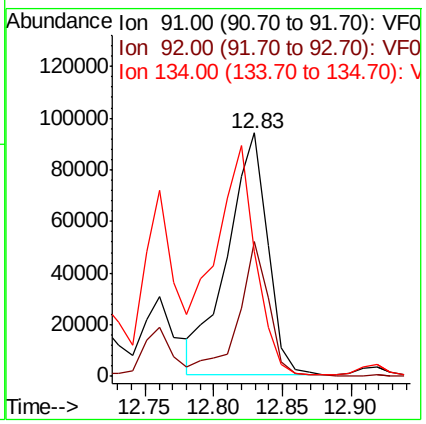


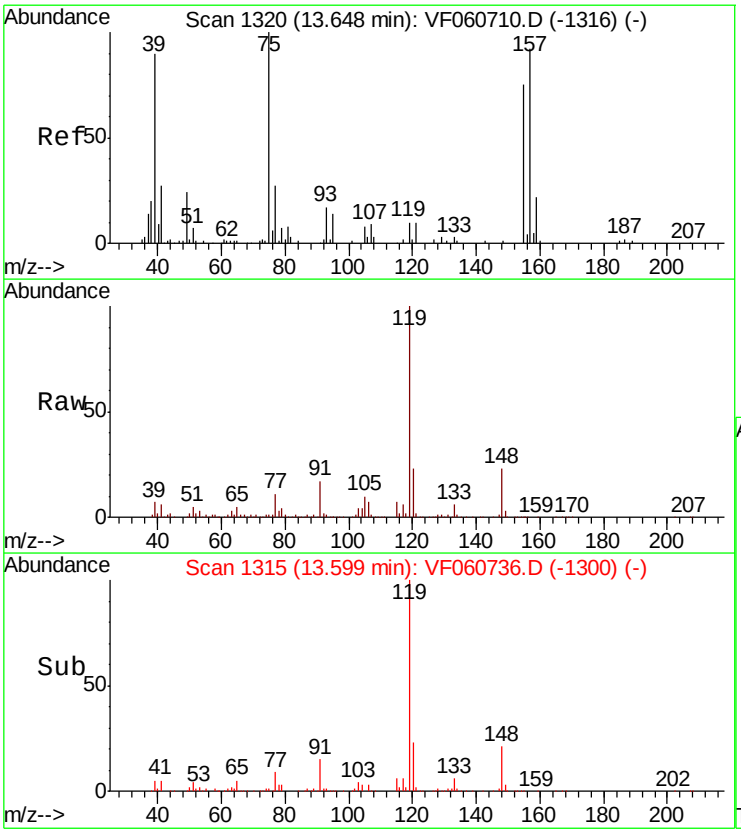
#89
n-Butylbenzene
Concen: 10.707 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion: 91 Resp: 190890

Ion	Ratio	Lower	Upper
91	100		
92	55.1	33.1	99.2
134	51.2	11.9	35.9#

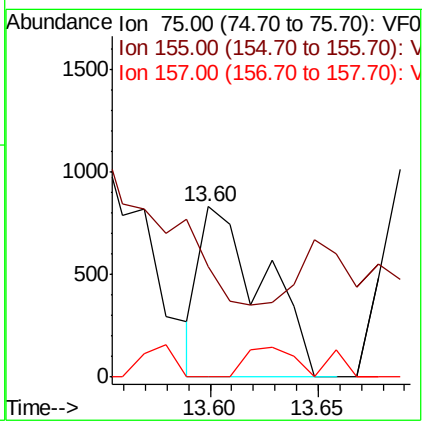


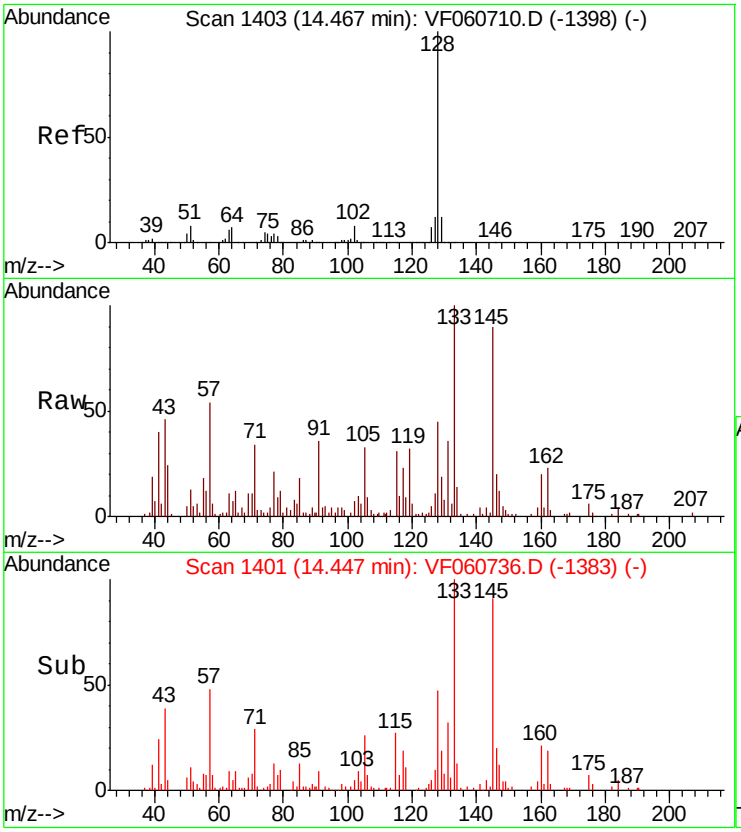


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.962 ug/l
RT: 13.60 min Scan# 1315
Delta R.T. -0.05 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Tgt Ion: 75 Resp: 1684

Ion	Ratio	Lower	Upper
75	100		
155	65.2	37.4	112.2
157	0.0	46.0	138.0#





#95
Naphthalene
Concen: 1.331 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060736.D
Acq: 14 Nov 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
T-5

Tgt Ion:128 Resp: 12456

Ion	Ratio	Lower	Upper
128	100		
127	24.3	9.8	14.6#
129	42.5	9.3	13.9#