Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060735.D
Acq On : 14 Nov 2018 20:20
Operator : VA/AP
Sample : J5915-04
Misc : 5.07g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : T-4

Quant Time: Nov 15 06:39:12 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	192717	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	337496	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	290366	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	171218	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	85328	38.82	ug/l	-0.04
Spiked Amount 50.000			Recovery = 77.64%			
35) Dibromofluoromethane	4.09	113	99503	39.22	ug/l	-0.04
Spiked Amount 50.000			Recovery = 78.44%			
50) Toluene-d8	7.53	98	244930	36.64	ug/l	-0.04
Spiked Amount 50.000			Recovery = 73.28%			
62) 4-Bromofluorobenzene	11.39	95	127749	41.90	ug/l	-0.03
Spiked Amount 50.000			Recovery = 83.80%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.54	59	726	7.257	ug/l #	4
13) Acrolein	1.82	56	242	2.646	ug/l	88
14) Allyl chloride	2.16	41	21299	7.733	ug/l #	27
15) Acrylonitrile	2.93	53	2653	12.445	ug/l #	57
16) Acetone	2.23	43	22064	46.960	ug/l #	88
18) Methyl Acetate	2.37	43	16277	21.098	ug/l #	64
25) 2-Butanone	4.32	43	23233	30.063	ug/l #	70
29) Tetrahydrofuran	3.98	42	21232	66.606	ug/l #	1
30) Chloroform	3.83	83	19043	3.687	ug/l	97
31) Cyclohexane	3.73	56	38540	9.863	ug/l #	44
37) Ethyl Acetate	3.98	43	135497	93.113	ug/l #	1
39) Methylcyclohexane	5.43	83	13279	2.924	ug/l #	59
41) Methacrylonitrile	4.65	41	62220	83.059	ug/l #	46
43) Isopropyl Acetate	6.79	43	143126	74.182	ug/l #	48
48) Methyl methacrylate	6.57	41	65226	51.081	ug/l #	45
51) 4-Methyl-2-Pentanone	8.26	43	27236	19.518	ug/l #	43
56) Ethyl methacrylate	8.61	69	12223	6.442	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.60	63	204	1.177	ug/l	100
59) 2-Hexanone	9.39	43	5682	5.794	ug/l #	38
74) N-amyl acetate	11.38	43	10368	3.305	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.64	83	3007	1.320	ug/l	73
89) n-Butylbenzene	12.83	91	31932	2.377	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.60	75	741	1.730	ug/l	88
95) Naphthalene	14.45	128	10882	1.544	ug/l #	60

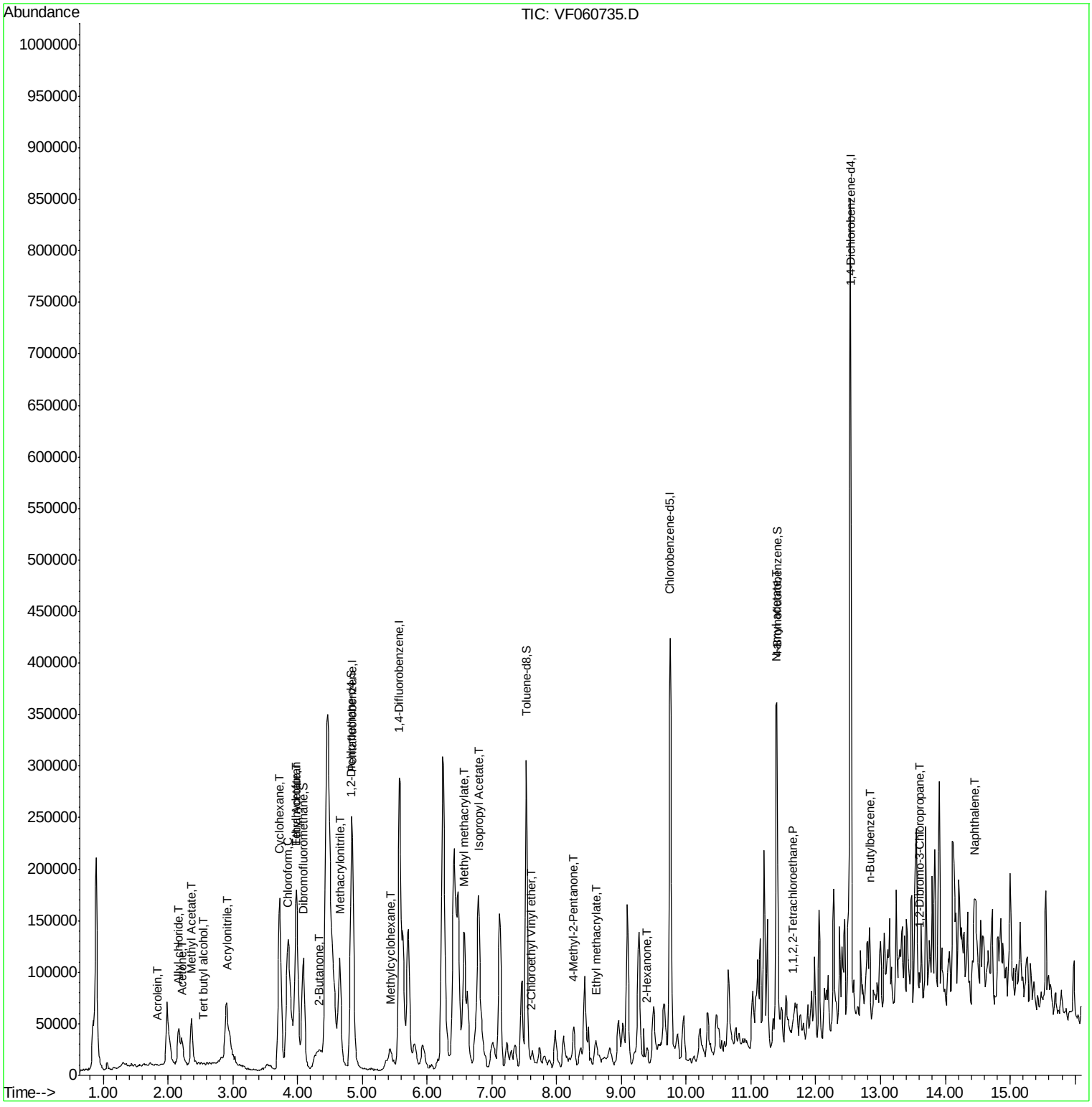
(#) = qualifier out of range (m) = manual integration (+) = signals summed

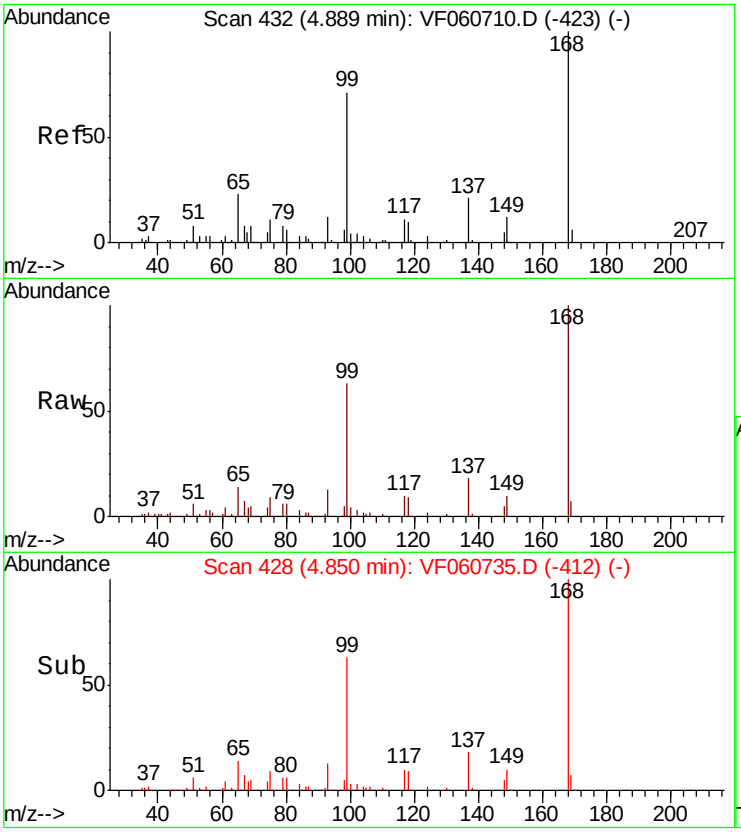
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060735.D
Acq On : 14 Nov 2018 20:20
Operator : VA/AP
Sample : J5915-04
Misc : 5.07g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : T-4

Quant Time: Nov 15 06:39:12 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



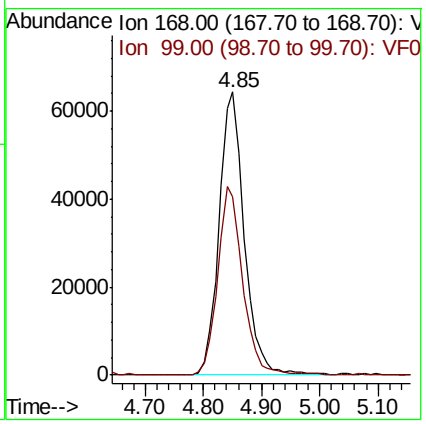


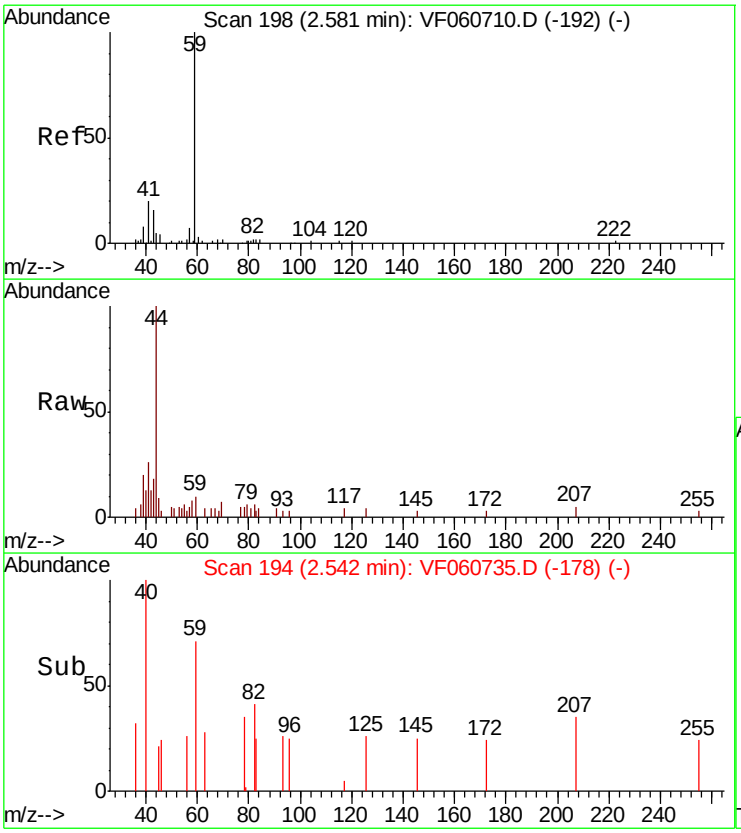
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion:168 Resp: 192717

Ion	Ratio	Lower	Upper
168	100		
99	63.2	57.2	85.8

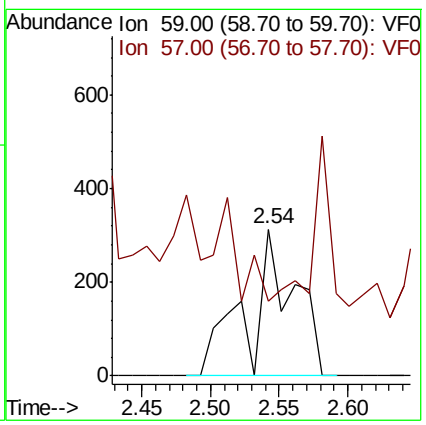


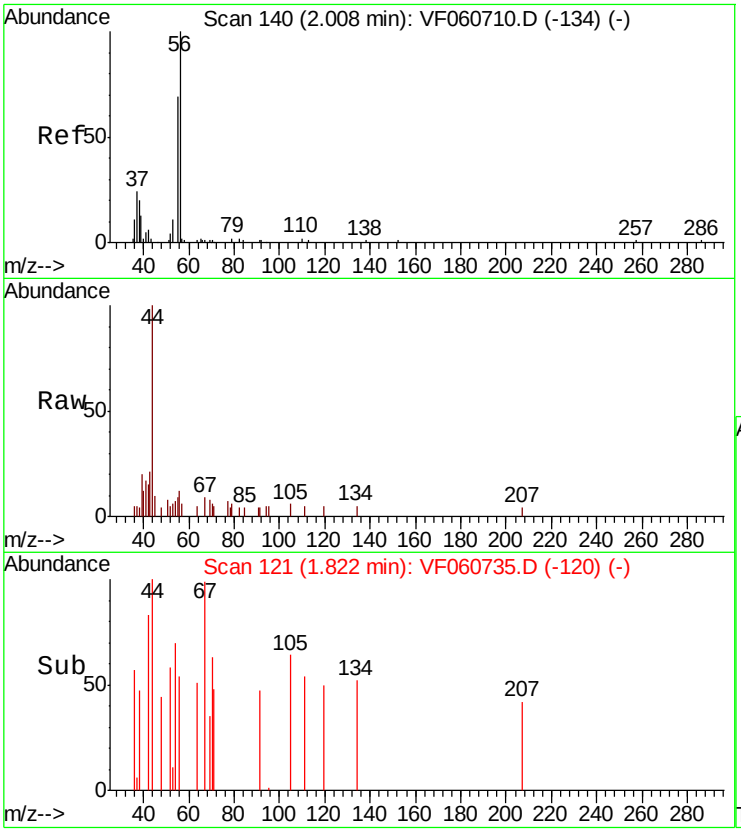


#11
Tert butyl alcohol
Concen: 7.257 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 59 Resp: 726

Ion	Ratio	Lower	Upper
59	100		
57	51.4	10.5	15.7#



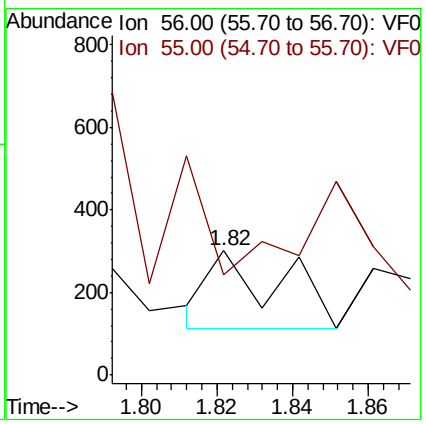


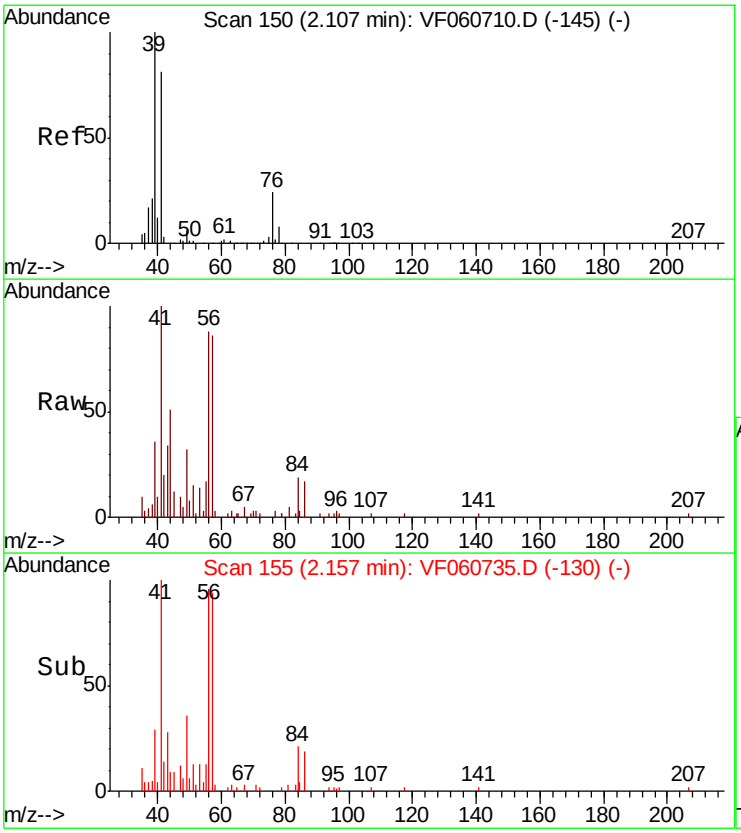
#13
Acrolein
Concen: 2.646 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.19 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 56 Resp: 242

Ion	Ratio	Lower	Upper
56	100		
55	81.1	56.6	85.0

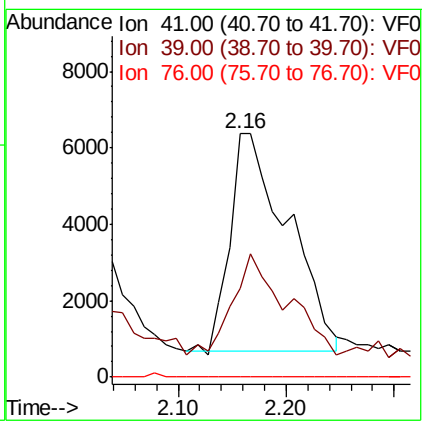


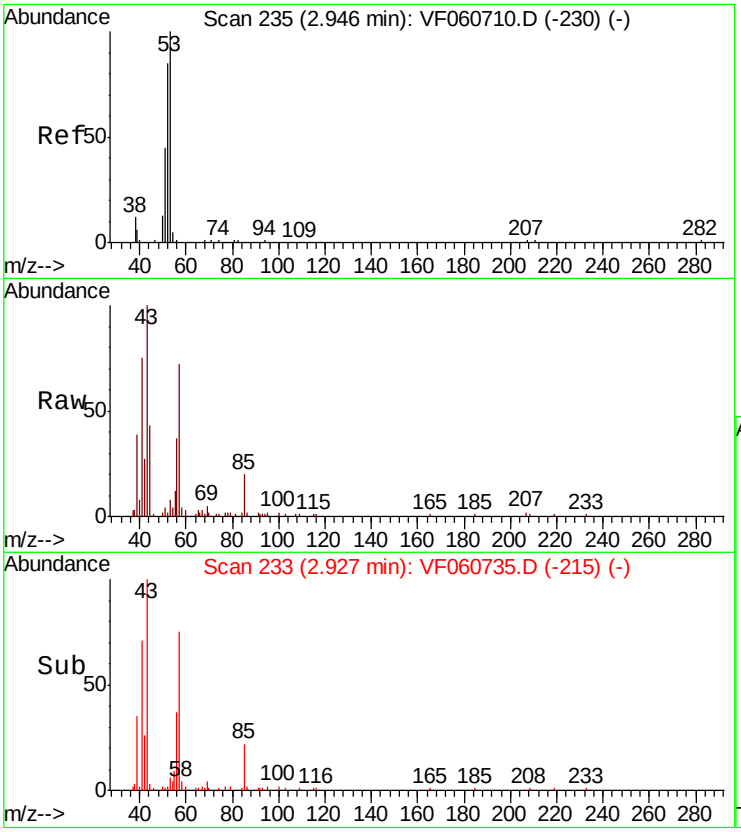


#14
Allyl chloride
Concen: 7.733 ug/l
RT: 2.16 min Scan# 155
Delta R.T. 0.05 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 41 Resp: 21299

Ion	Ratio	Lower	Upper
41	100		
39	36.4	98.5	147.7#
76	0.0	24.5	36.7#



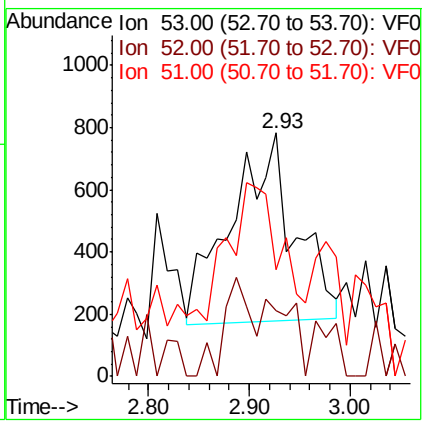


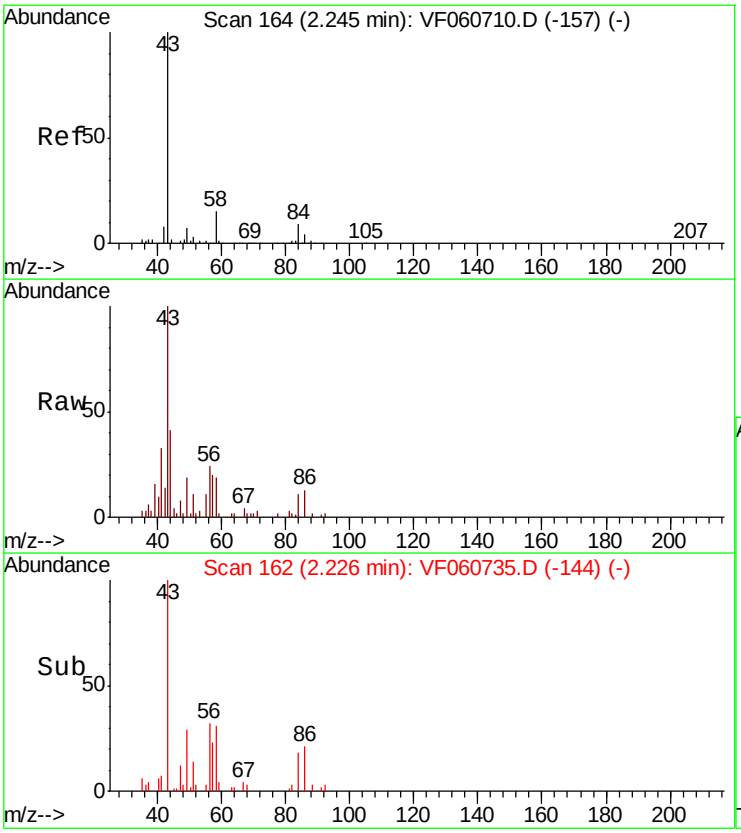
#15
Acrylonitrile
Concen: 12.445 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.02 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 53 Resp: 2653

Ion	Ratio	Lower	Upper
53	100		
52	27.1	68.8	103.2#
51	43.9	36.7	55.1

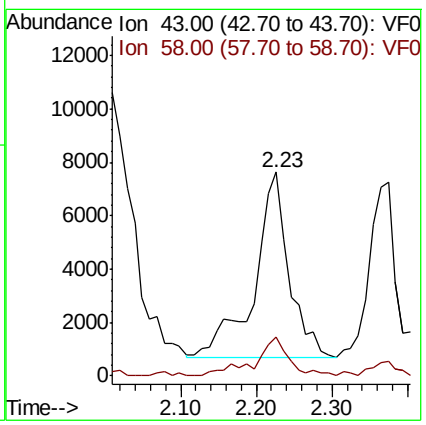


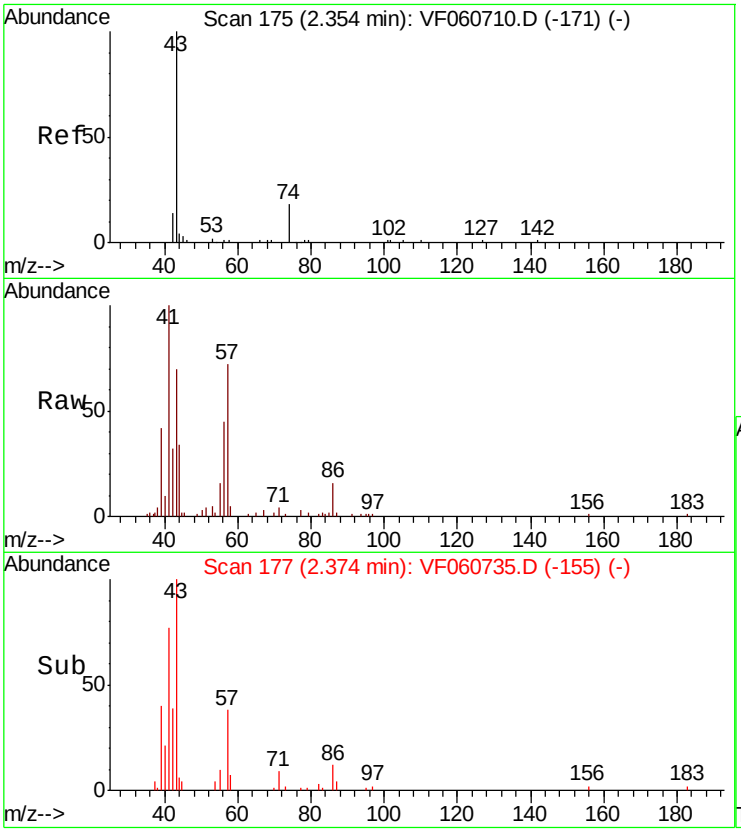


#16
Acetone
Concen: 46.960 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 43 Resp: 22064

Ion	Ratio	Lower	Upper
43	100		
58	19.4	11.6	17.4#



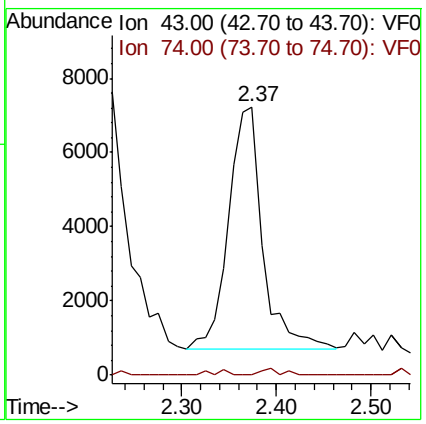


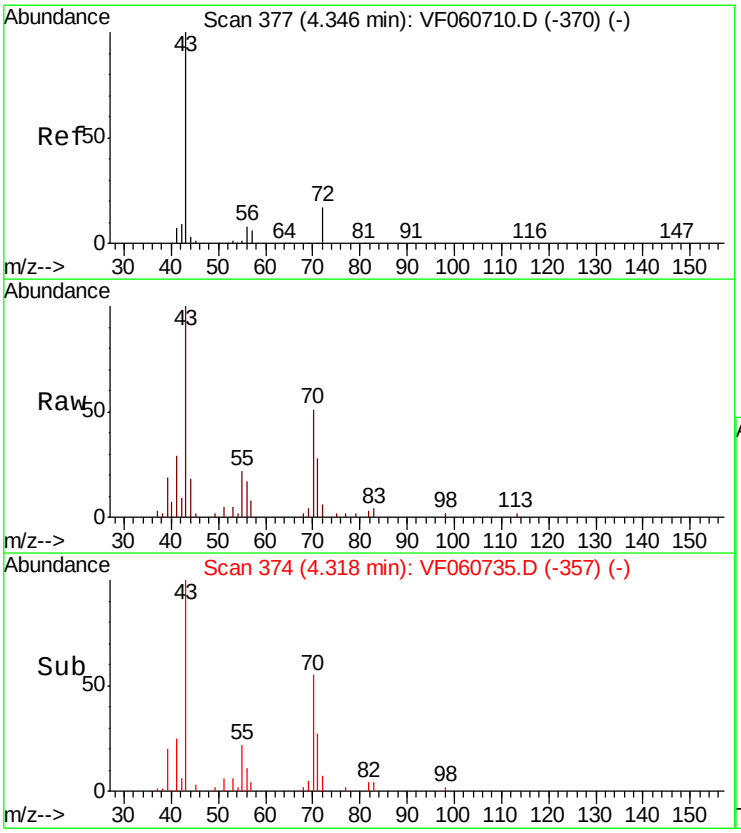
#18
Methyl Acetate
Concen: 21.098 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 43 Resp: 16277

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.8	17.8#

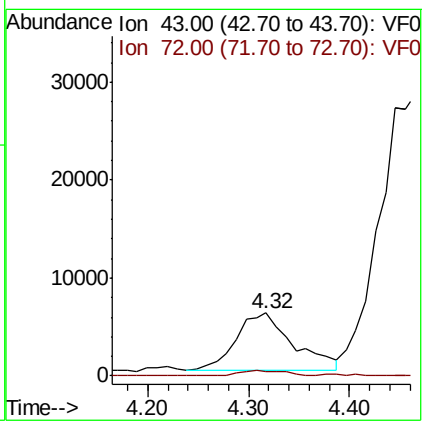


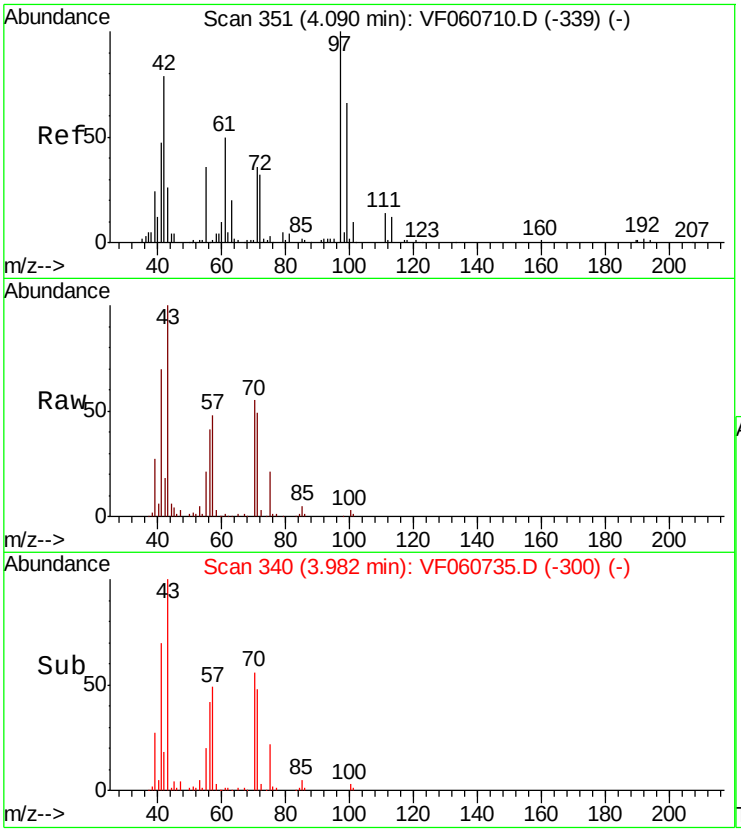


#25
2-Butanone
Concen: 30.063 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 43 Resp: 23233

Ion	Ratio	Lower	Upper
43	100		
72	6.2	16.1	24.1#



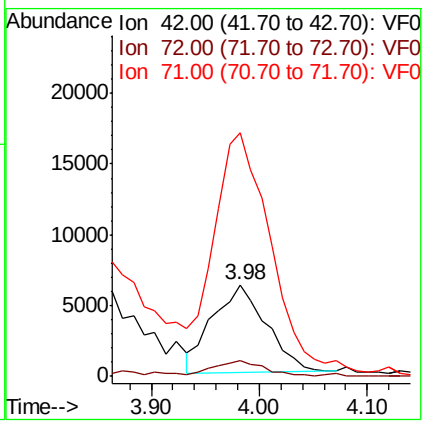


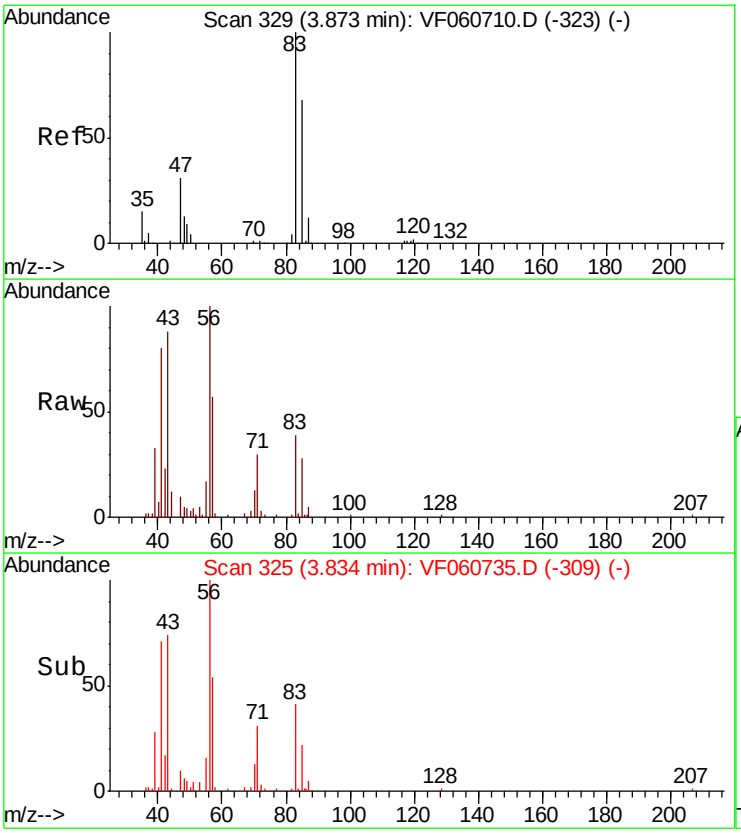
#29
Tetrahydrofuran
Concen: 66.606 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.11 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion: 42 Resp: 21232

Ion	Ratio	Lower	Upper
42	100		
72	17.2	30.3	45.5#
71	298.3	32.2	48.2#

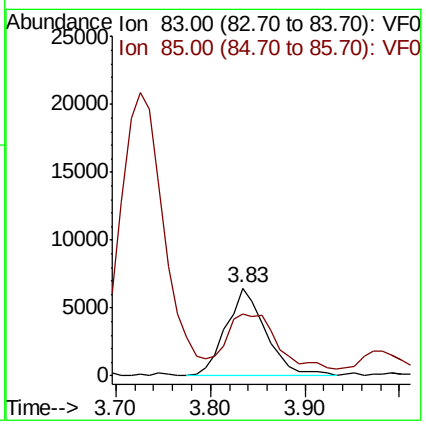


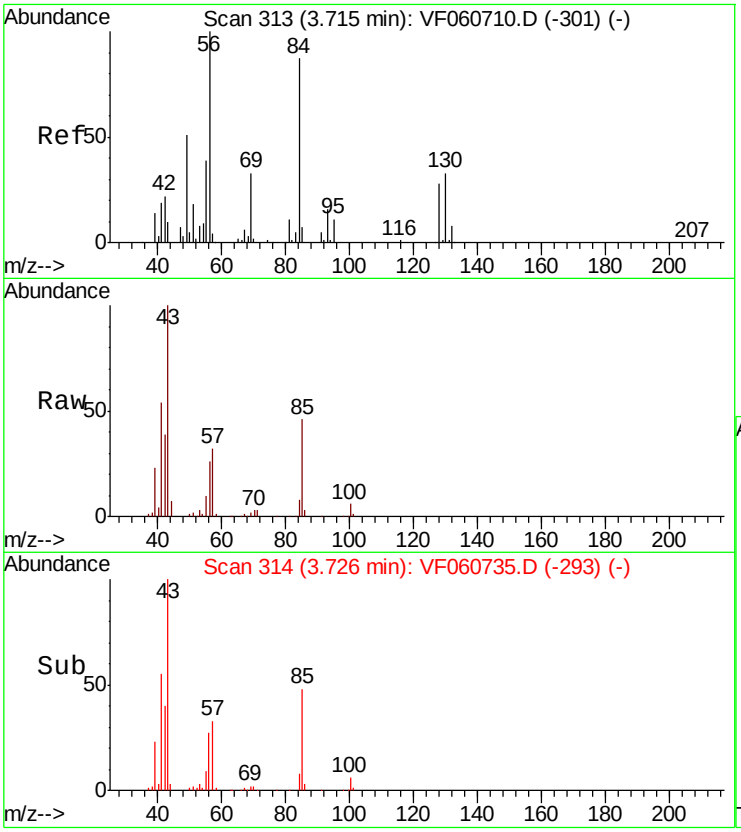


#30
Chloroform
Concen: 3.687 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 83 Resp: 19043

Ion	Ratio	Lower	Upper
83	100		
85	70.4	54.6	82.0



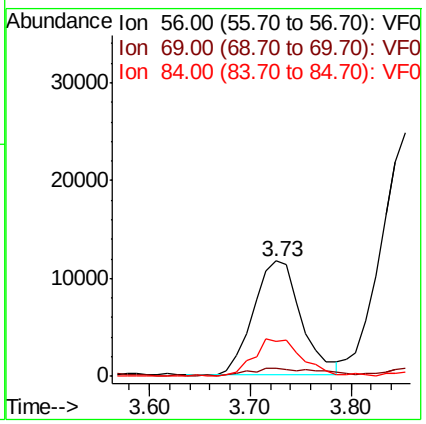


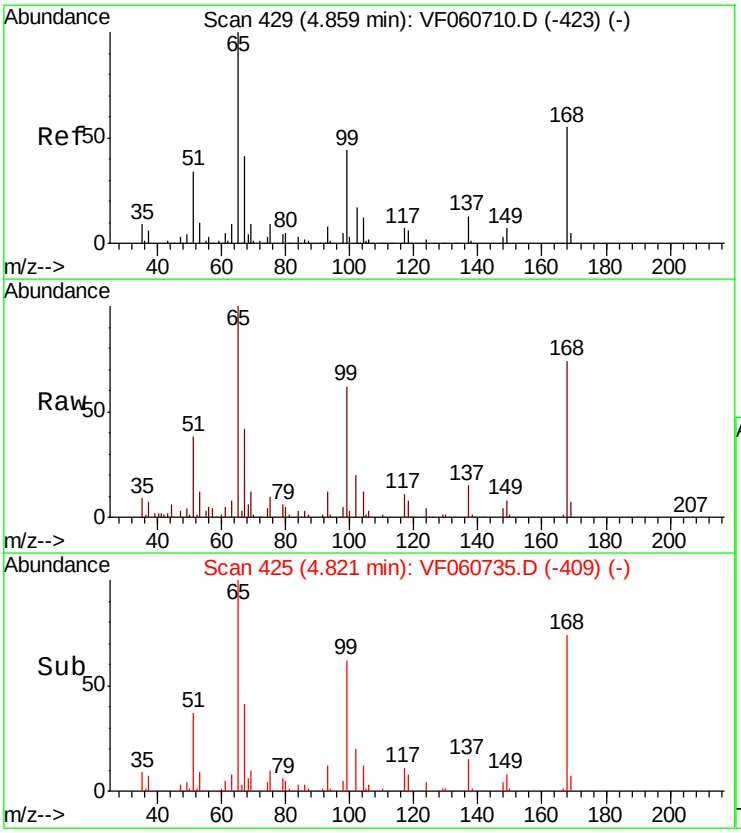
#31
Cyclohexane
Concen: 9.863 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 56 Resp: 38540

Ion	Ratio	Lower	Upper
56	100		
69	7.3	26.0	39.0#
84	30.7	69.4	104.2#

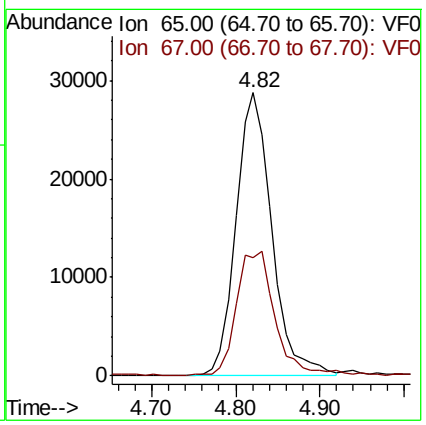


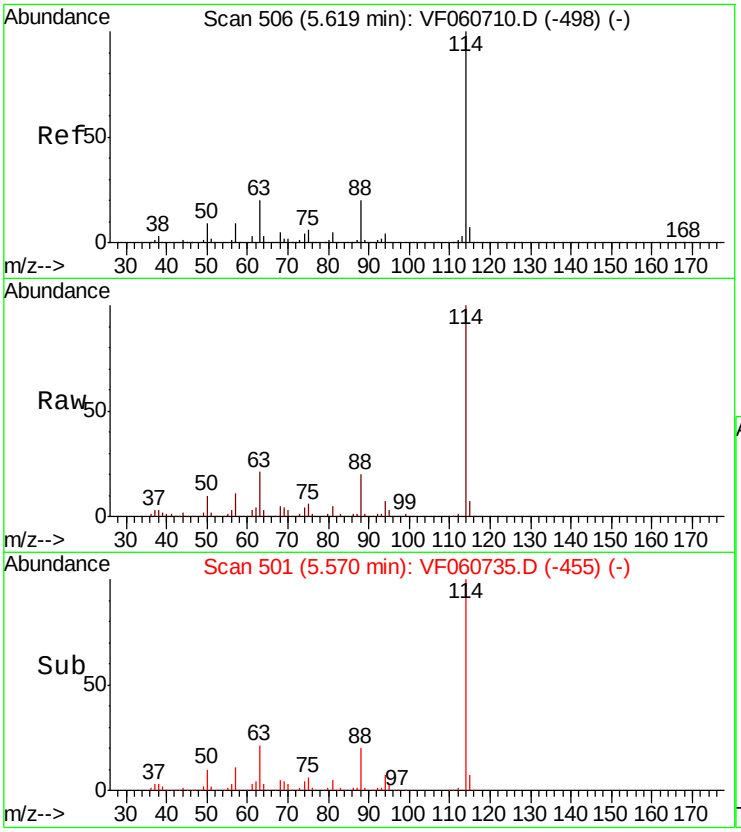


#33
1,2-Dichloroethane-d4
Concen: 38.818 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 65 Resp: 85328

Ion	Ratio	Lower	Upper
65	100		
67	41.8	0.0	90.2



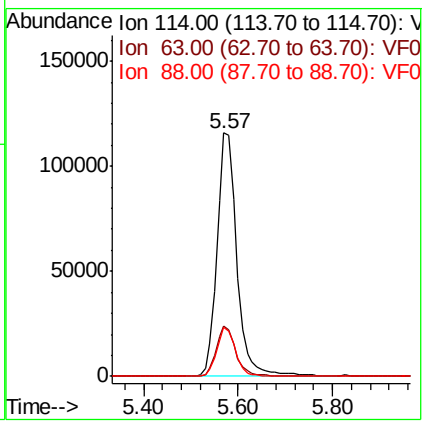


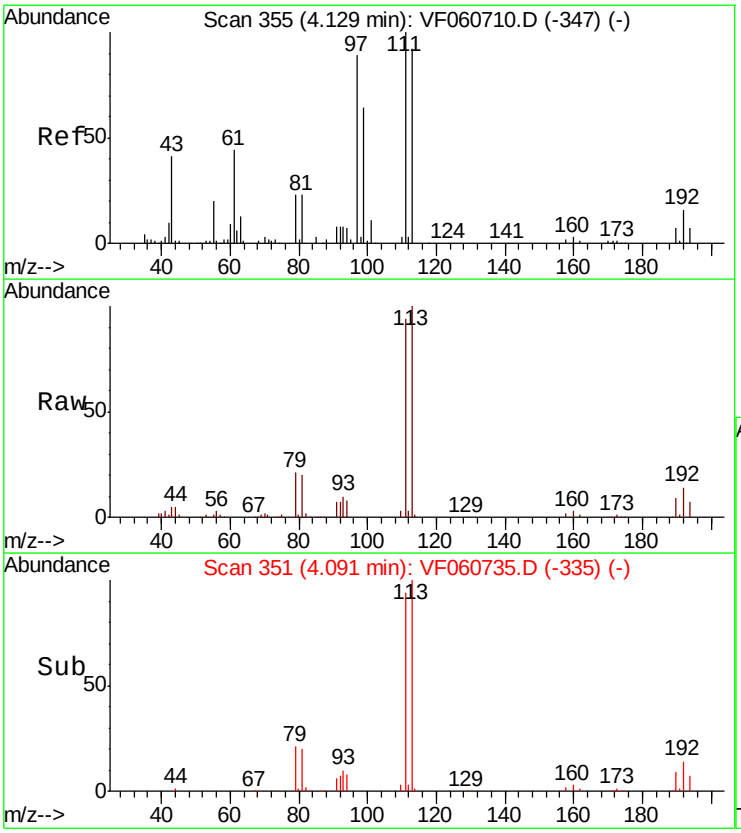
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.05 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion:114 Resp: 337496

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	20.3	0.0	39.6

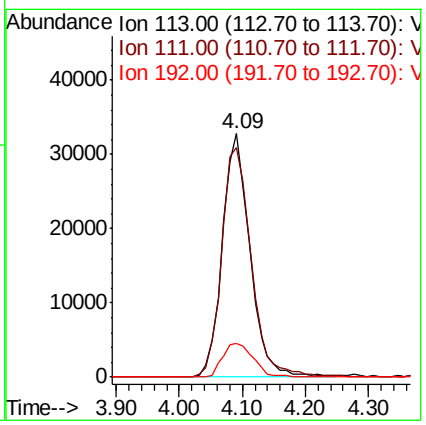


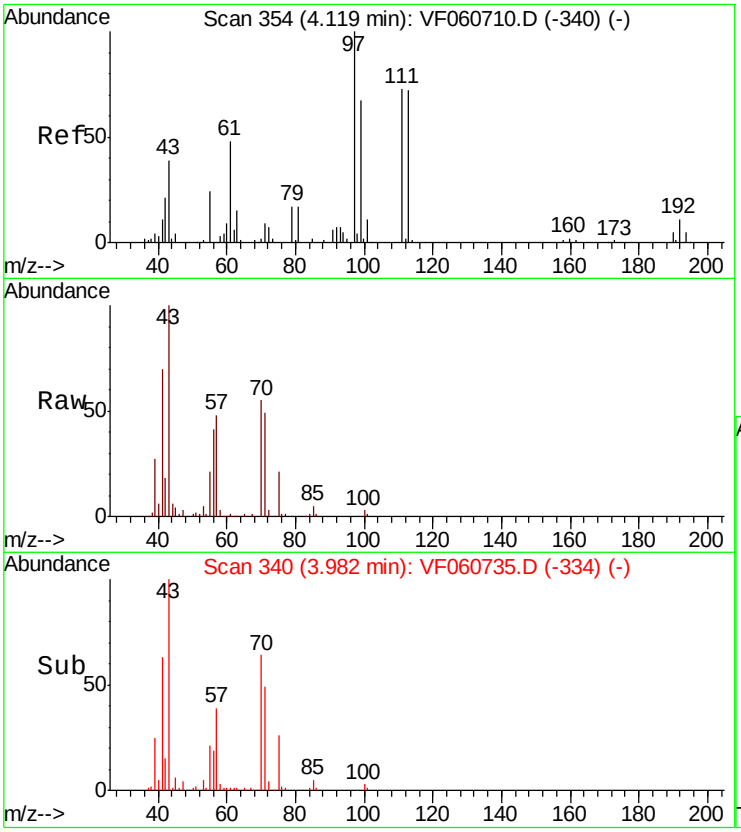


#35
Dibromofluoromethane
Concen: 39.222 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion:113 Resp: 99503

Ion	Ratio	Lower	Upper
113	100		
111	94.3	87.1	130.7
192	14.0	13.8	20.6



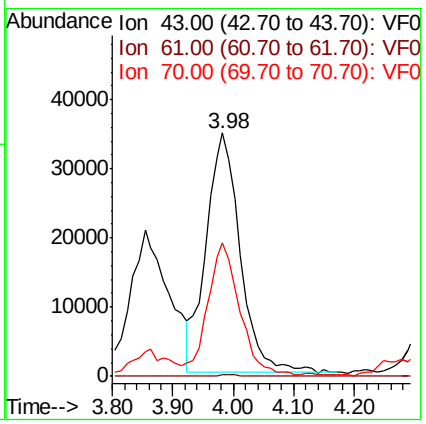


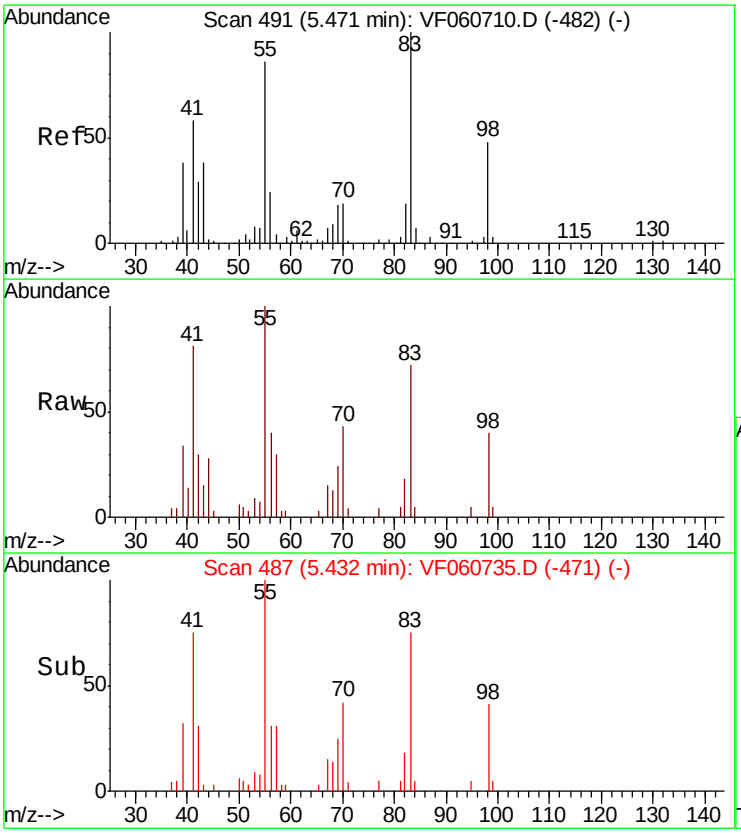
#37
Ethyl Acetate
Concen: 93.113 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.14 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion: 43 Resp: 135497

Ion	Ratio	Lower	Upper
43	100		
61	0.6	98.5	147.7#
70	55.0	7.4	11.0#

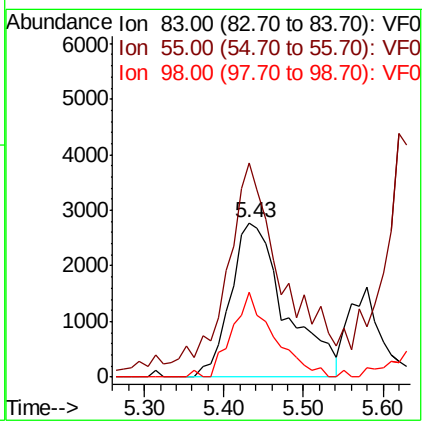


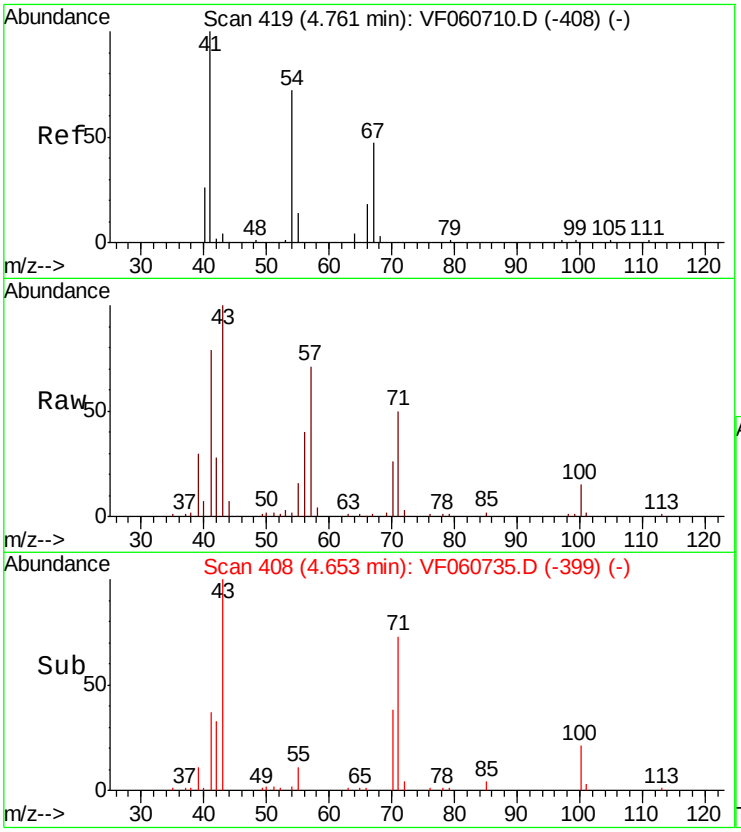


#39
Methylcyclohexane
Concen: 2.924 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 83 Resp: 13279

Ion	Ratio	Lower	Upper
83	100		
55	138.8	69.0	103.4#
98	55.4	38.5	57.7



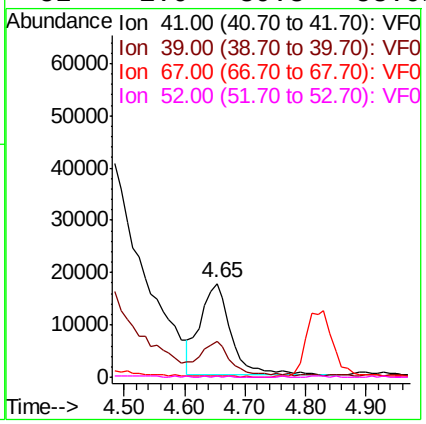


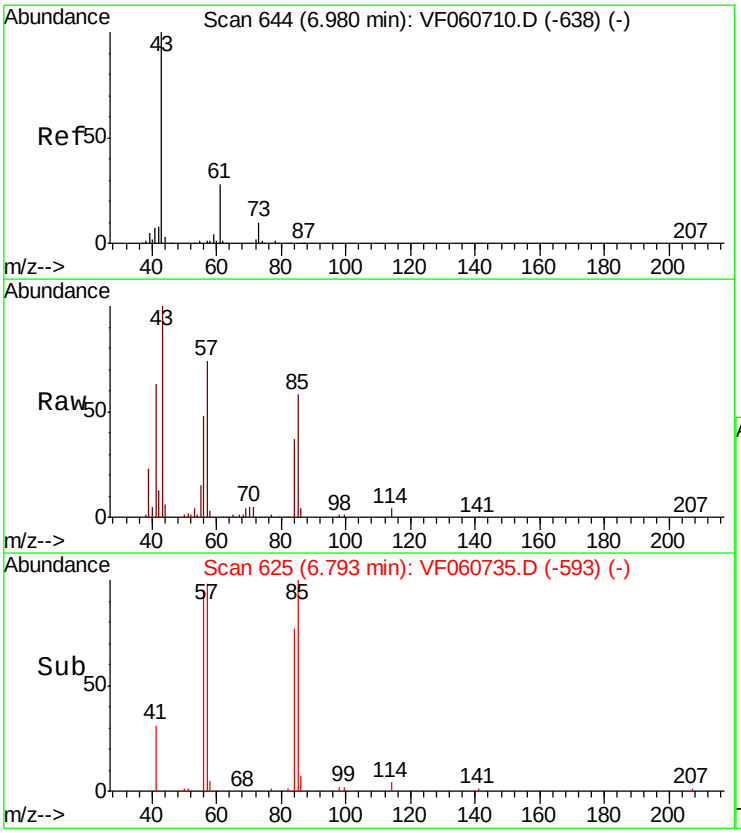
#41
Methacrylonitrile
Concen: 83.059 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.11 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion: 41 Resp: 62220

Ion	Ratio	Lower	Upper
41	100		
39	37.6	47.1	70.7#
67	0.8	37.1	55.7#
52	1.0	39.3	58.9#

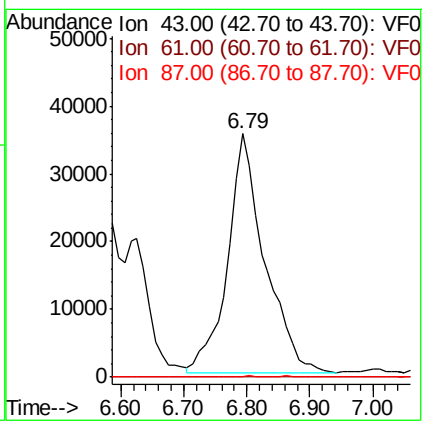


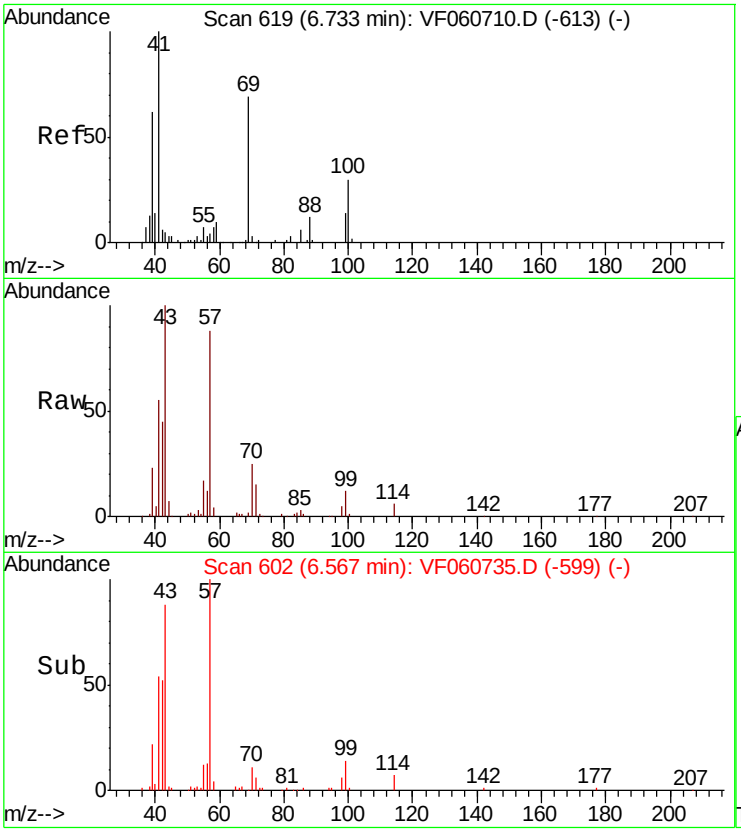


#43
Isopropyl Acetate
Concen: 74.182 ug/l
RT: 6.79 min Scan# 625
Delta R.T. -0.19 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 43 Resp: 143126

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



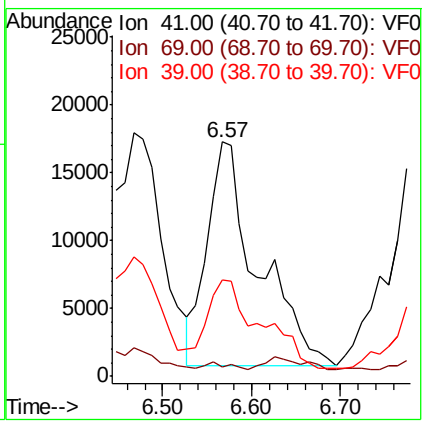


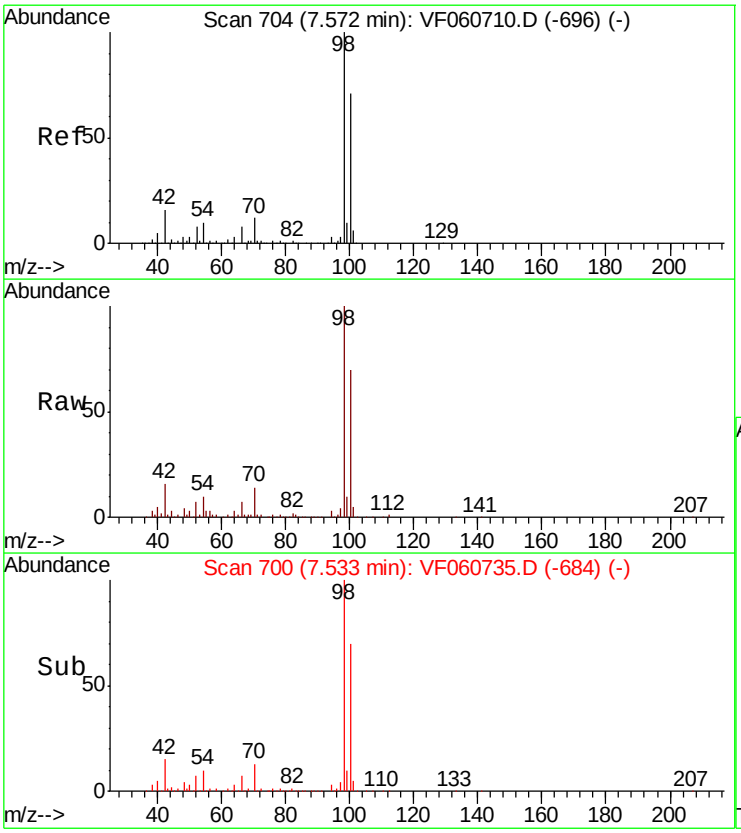
#48
Methyl methacrylate
Concen: 51.081 ug/l
RT: 6.57 min Scan# 602
Delta R.T. -0.17 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion: 41 Resp: 65226

Ion	Ratio	Lower	Upper
41	100		
69	4.2	54.9	82.3#
39	41.1	49.6	74.4#

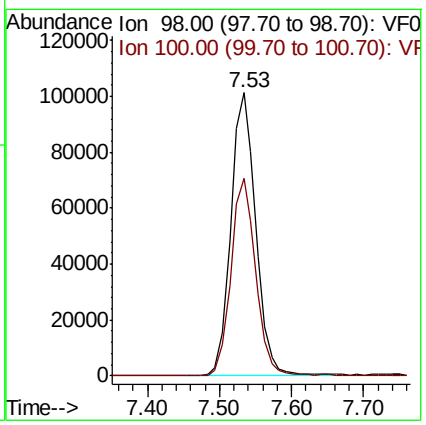


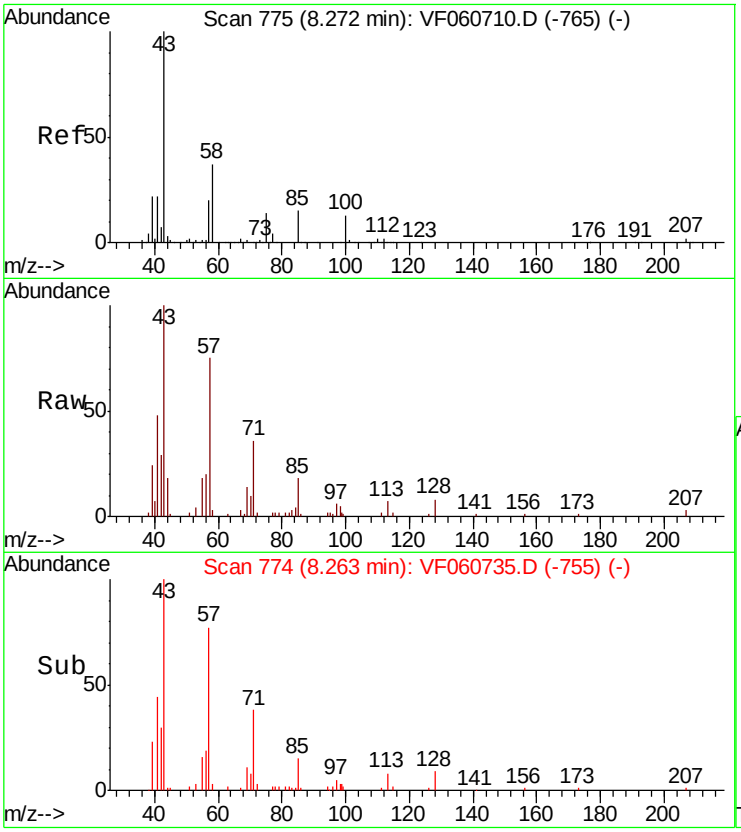


#50
Toluene-d8
Concen: 36.641 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 98 Resp: 244930

Ion	Ratio	Lower	Upper
98	100		
100	70.0	56.5	84.7



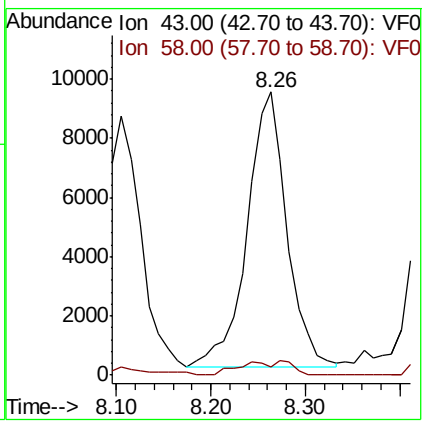


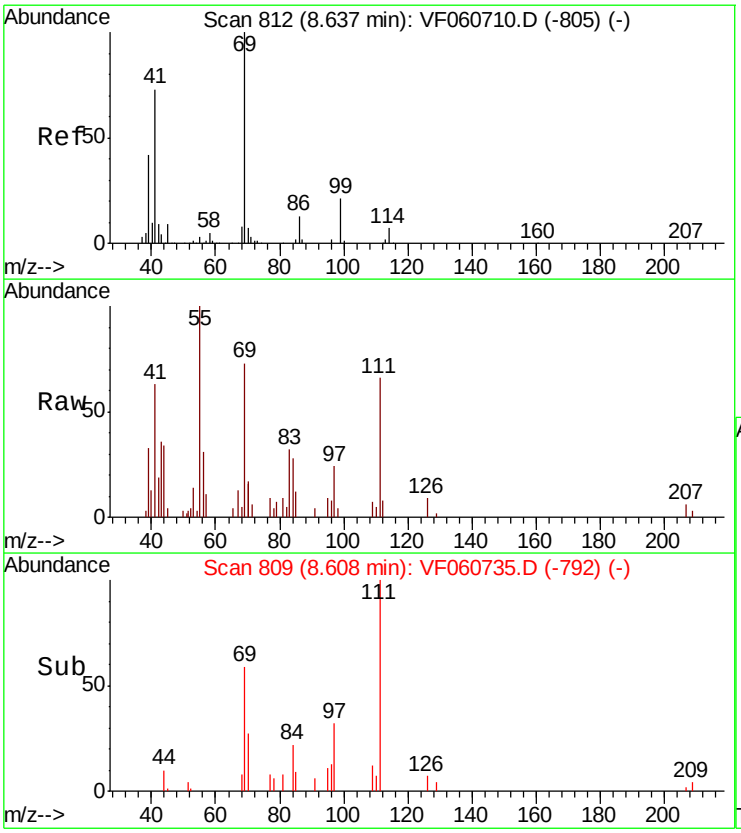
#51
4-Methyl-2-Pentanone
Concen: 19.518 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 43 Resp: 27236

Ion	Ratio	Lower	Upper
43	100		
58	2.9	29.2	43.8#

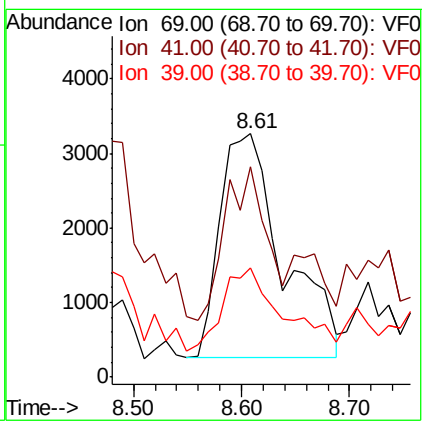


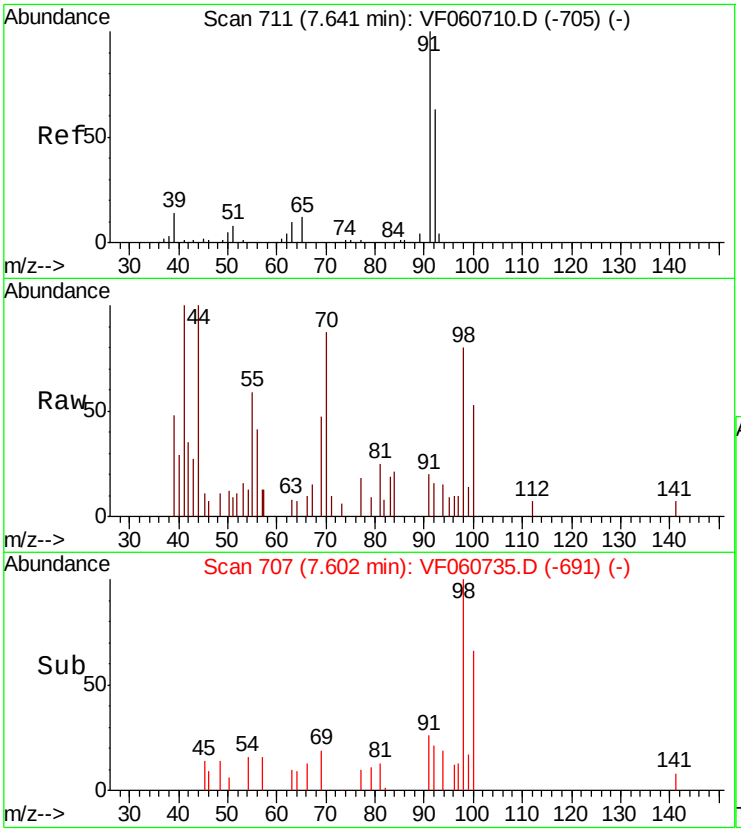


#56
Ethyl methacrylate
Concen: 6.442 ug/l
RT: 8.61 min Scan# 809
Delta R.T. -0.03 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 69 Resp: 12223

Ion	Ratio	Lower	Upper
69	100		
41	86.4	59.0	88.6
39	44.8	34.0	51.0



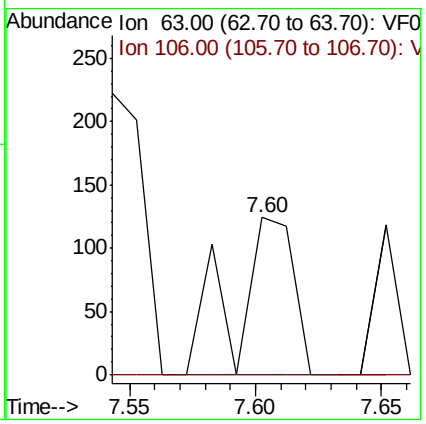


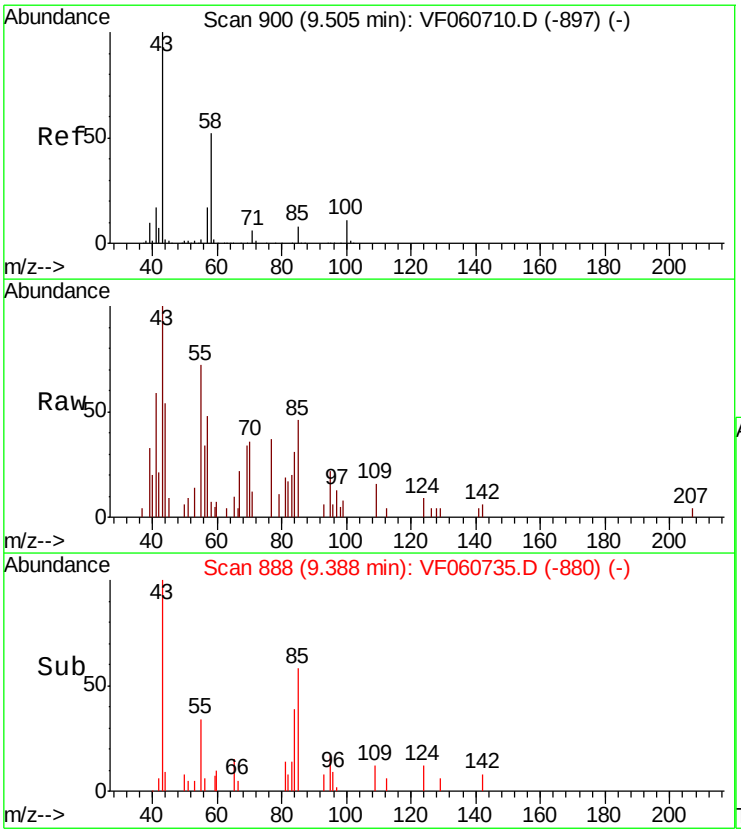
#58
2-Chloroethyl Vinyl ether
Concen: 1.177 ug/l
RT: 7.60 min Scan# 707
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument : MSVOA_F
ClientSampleId : T-4

Tgt Ion: 63 Resp: 204

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

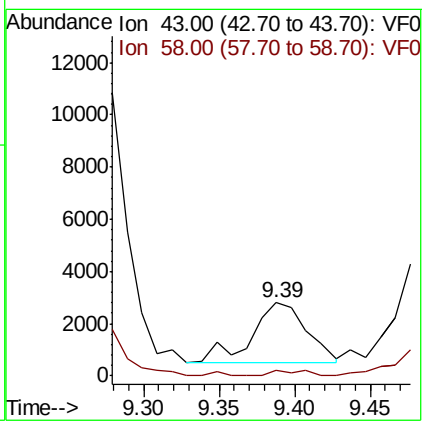


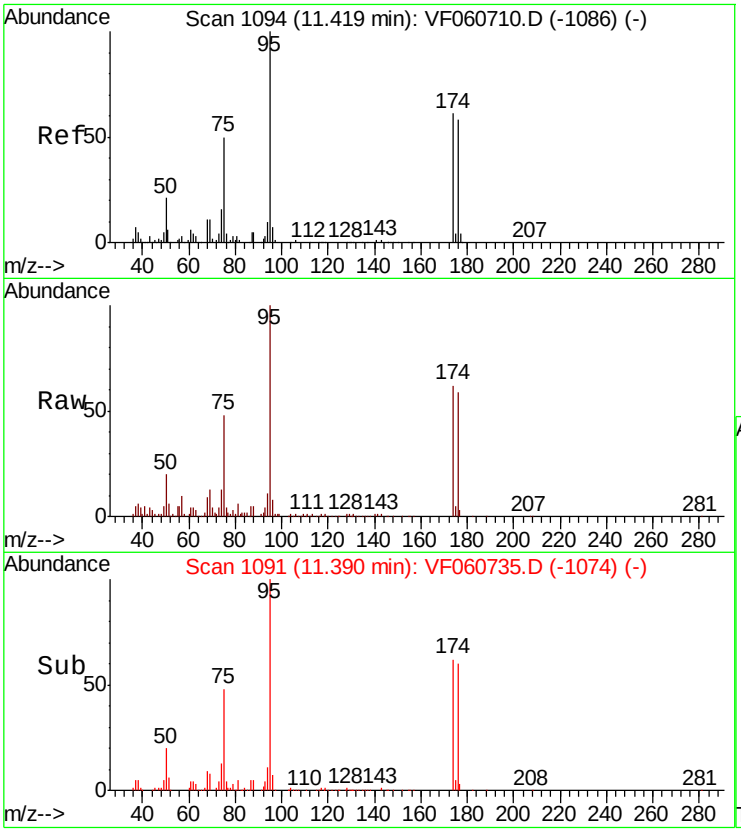


#59
2-Hexanone
Concen: 5.794 ug/l
RT: 9.39 min Scan# 888
Delta R.T. -0.12 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 43 Resp: 5682

Ion	Ratio	Lower	Upper
43	100		
58	6.9	24.9	74.7#



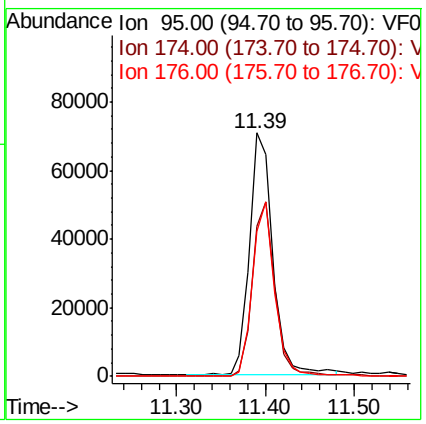


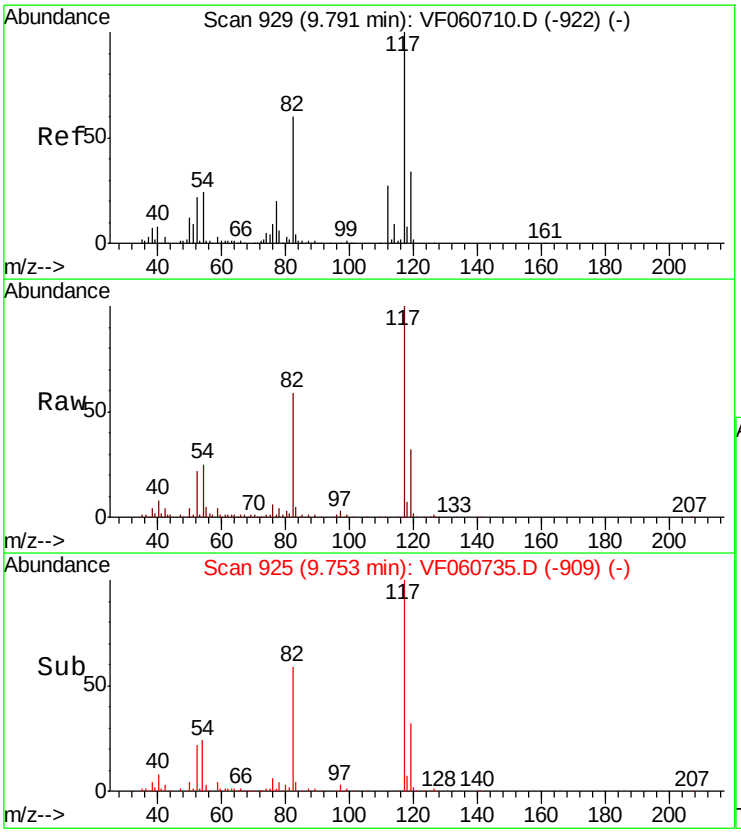
#62
4-Bromofluorobenzene
Concen: 41.897 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 95 Resp: 127749

Ion	Ratio	Lower	Upper
95	100		
174	61.6	0.0	121.6
176	59.5	0.0	115.2

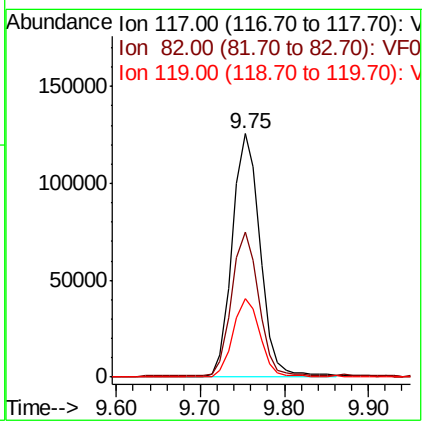


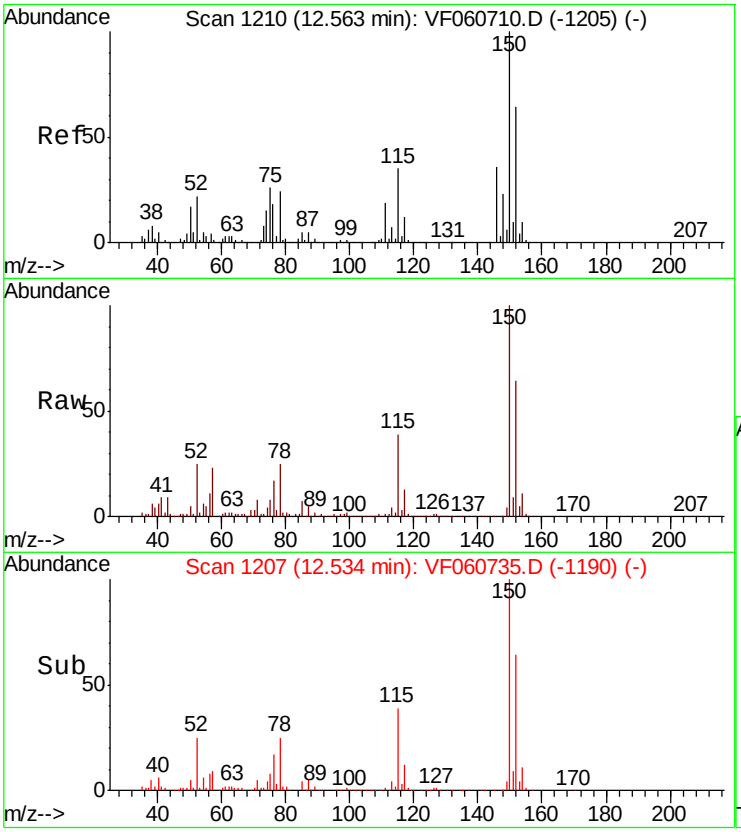


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion:117 Resp: 290366

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.9	71.9
119	32.5	26.8	40.2



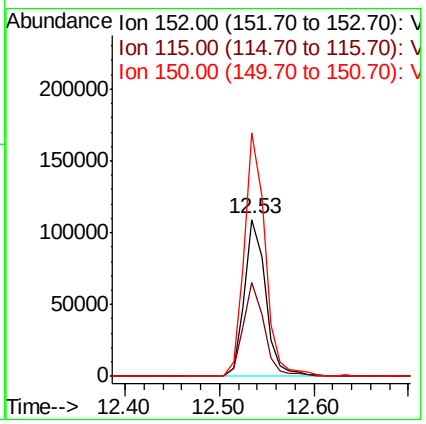


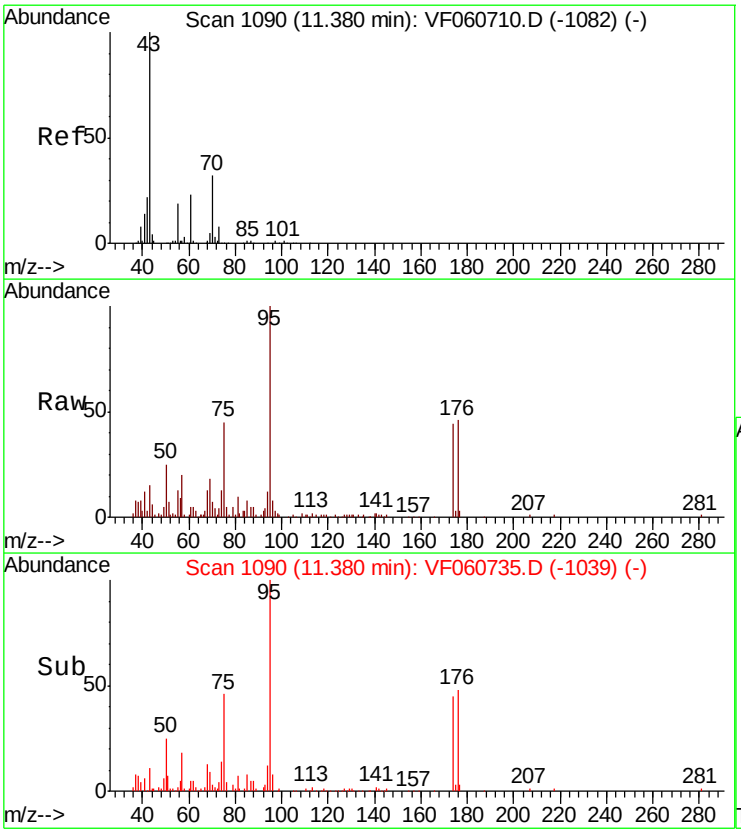
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion:152 Resp: 171218

Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.9	83.7
150	155.5	0.0	316.4

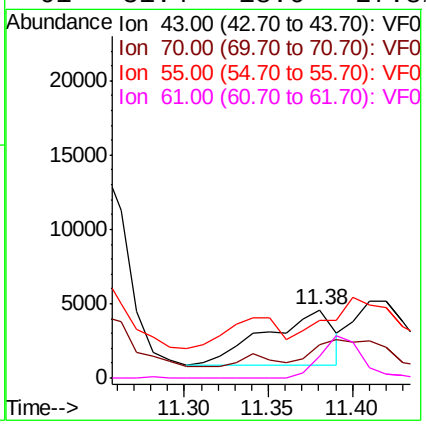


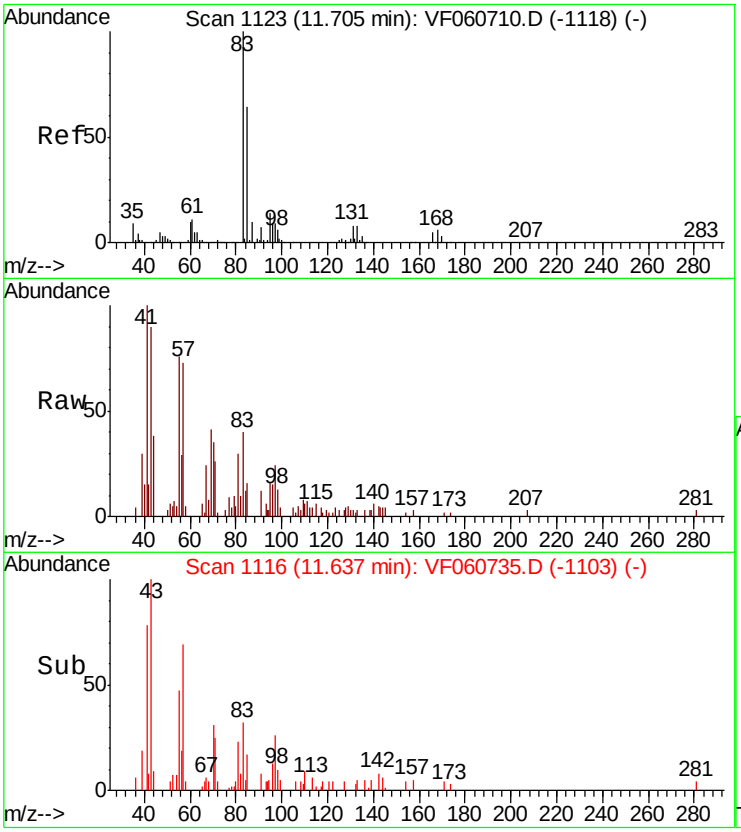


#74
N-amyl acetate
Concen: 3.305 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 43 Resp: 10368

Ion	Ratio	Lower	Upper
43	100		
70	48.8	25.5	38.3#
55	83.8	14.9	22.3#
61	31.4	18.6	27.8#



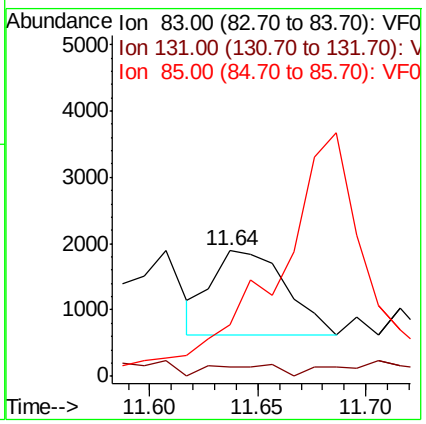


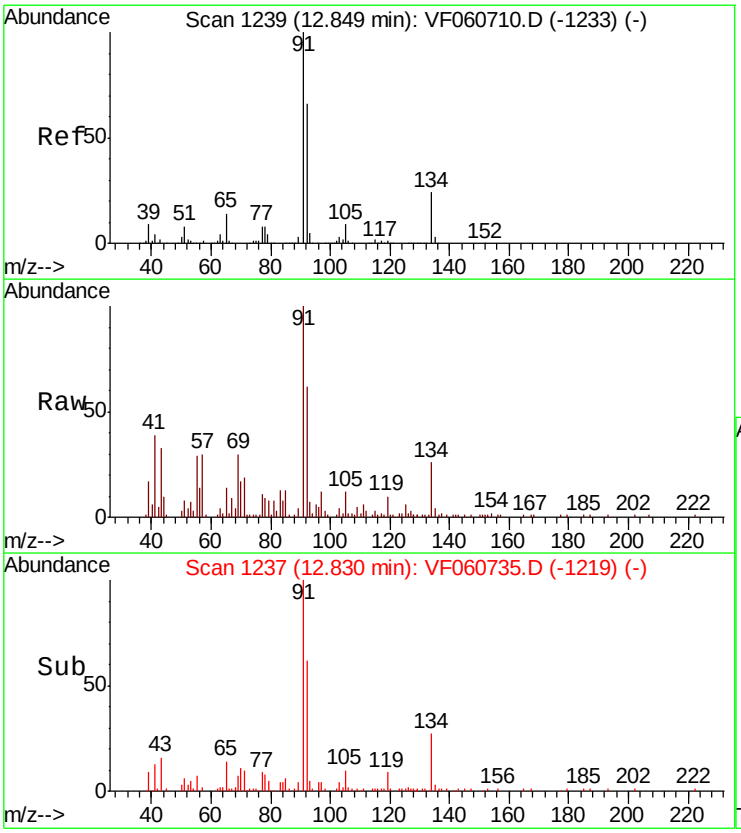
#75
1,1,2,2-Tetrachloroethane
Concen: 1.320 ug/l
RT: 11.64 min Scan# 1116
Delta R.T. -0.07 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 83 Resp: 3007

Ion	Ratio	Lower	Upper
83	100		
131	7.3	4.2	12.4
85	40.8	32.0	96.2

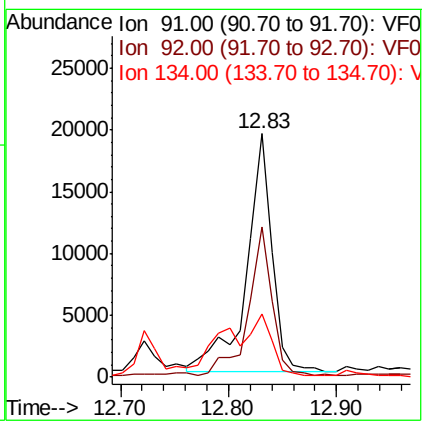


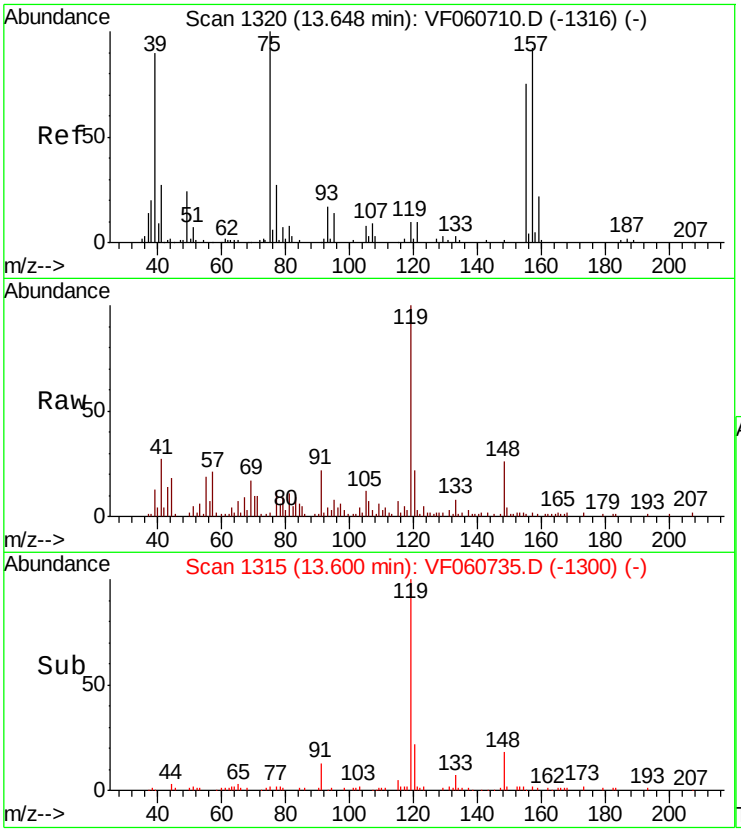


#89
n-Butylbenzene
Concen: 2.377 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion: 91 Resp: 31932

Ion	Ratio	Lower	Upper
91	100		
92	61.6	33.1	99.2
134	26.0	11.9	35.9



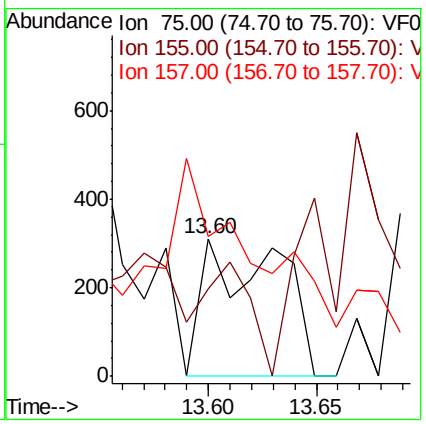


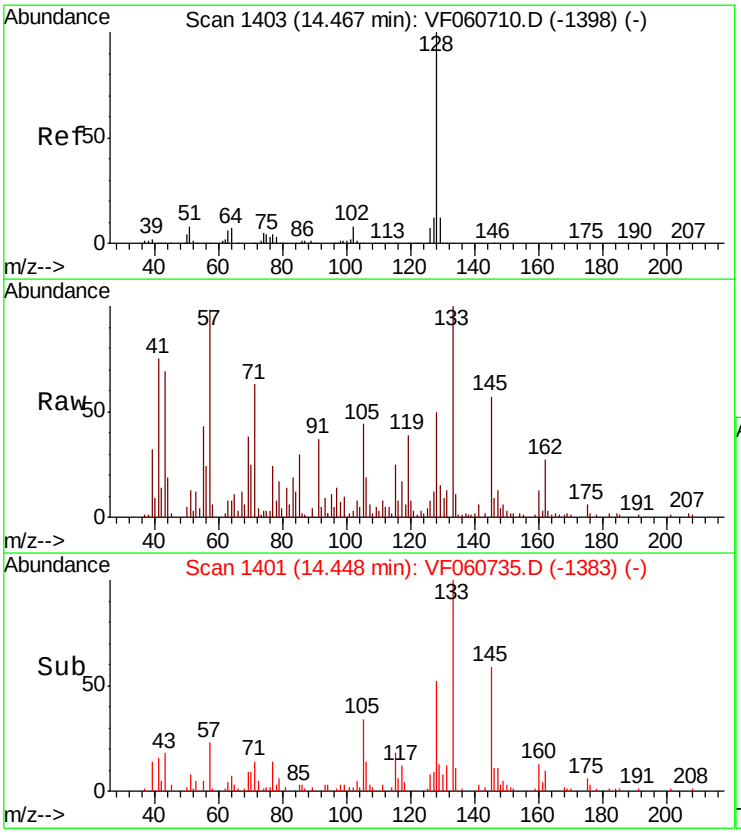
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.730 ug/l
RT: 13.60 min Scan# 1315
Delta R.T. -0.05 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
T-4

Tgt Ion: 75 Resp: 741

Ion	Ratio	Lower	Upper
75	100		
155	63.2	37.4	112.2
157	101.6	46.0	138.0





#95
Naphthalene
Concen: 1.544 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060735.D
Acq: 14 Nov 2018 20:20

Tgt Ion:128 Resp: 10882

Ion	Ratio	Lower	Upper
128	100		
127	24.2	9.8	14.6#
129	30.8	9.3	13.9#