Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111918\
Data File : VF060784.D
Acq On : 19 Nov 2018 19:04
Operator : VA/AP
Sample : J5774-01RE
Misc : 7.48g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Quant Time: Nov 20 02:19:13 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	4.87	168	133143	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	233118	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	183811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	84751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	82472	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery = 108.62%			
35) Dibromofluoromethane	4.11	113	86024	49.09	ug/l	-0.01
Spiked Amount 50.000			Recovery = 98.18%			
50) Toluene-d8	7.56	98	137109	28.94	ug/l	-0.01
Spiked Amount 50.000			Recovery = 57.88%			
62) 4-Bromofluorobenzene	11.41	95	79692	37.41	ug/l	0.00
Spiked Amount 50.000			Recovery = 74.82%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.58	59	334	4.833	ug/l #	1
13) Acrolein	2.00	56	1961	31.031	ug/l #	1
14) Allyl chloride	2.18	41	24386	12.815	ug/l #	30
15) Acrylonitrile	2.93	53	4953	33.631	ug/l #	42
16) Acetone	2.24	43	4039	12.443	ug/l #	87
18) Methyl Acetate	2.39	43	4761	8.932	ug/l #	64
20) Methylene Chloride	2.24	84	5244	2.121	ug/l	91
25) 2-Butanone	4.35	43	9713	18.192	ug/l #	56
29) Tetrahydrofuran	4.02	42	7226	32.811	ug/l #	1
31) Cyclohexane	3.70	56	19381	7.179	ug/l	97
37) Ethyl Acetate	4.02	43	30552	30.396	ug/l #	1
39) Methylcyclohexane	5.46	83	69739	22.234	ug/l	96
41) Methacrylonitrile	4.69	41	7580	10.745	ug/l #	53
43) Isopropyl Acetate	7.03	43	1862	1.397	ug/l #	48
48) Methyl methacrylate	6.66	41	4373	4.958	ug/l #	73
51) 4-Methyl-2-Pentanone	8.29	43	5079	5.269	ug/l #	55
55) 1,1,2-Trichloroethane	8.39	97	3366	2.917	ug/l #	37
56) Ethyl methacrylate	8.63	69	6060	4.624	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.64	63	380	3.174	ug/l	100
59) 2-Hexanone	9.50	43	2506	3.700	ug/l	90
67) Ethyl Benzene	9.91	91	24340	3.481	ug/l	97
73) Isopropylbenzene	11.13	105	9387	1.376	ug/l	86
78) n-propylbenzene	11.60	91	22654	2.847	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	10190	1.881	ug/l	87
86) p-Isopropyltoluene	12.44	119	15069	2.313	ug/l	98
89) n-Butylbenzene	12.84	91	18718	2.815	ug/l #	46
90) Hexachloroethane	12.93	117	1838	1.153	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1036	4.887	ug/l #	7
95) Naphthalene	14.46	128	5914	1.695	ug/l #	39

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111918\
Data File : VF060784.D
Acq On : 19 Nov 2018 19:04
Operator : VA/AP
Sample : J5774-01RE
Misc : 7.48g/5mL/MSVOA-F/SOIL
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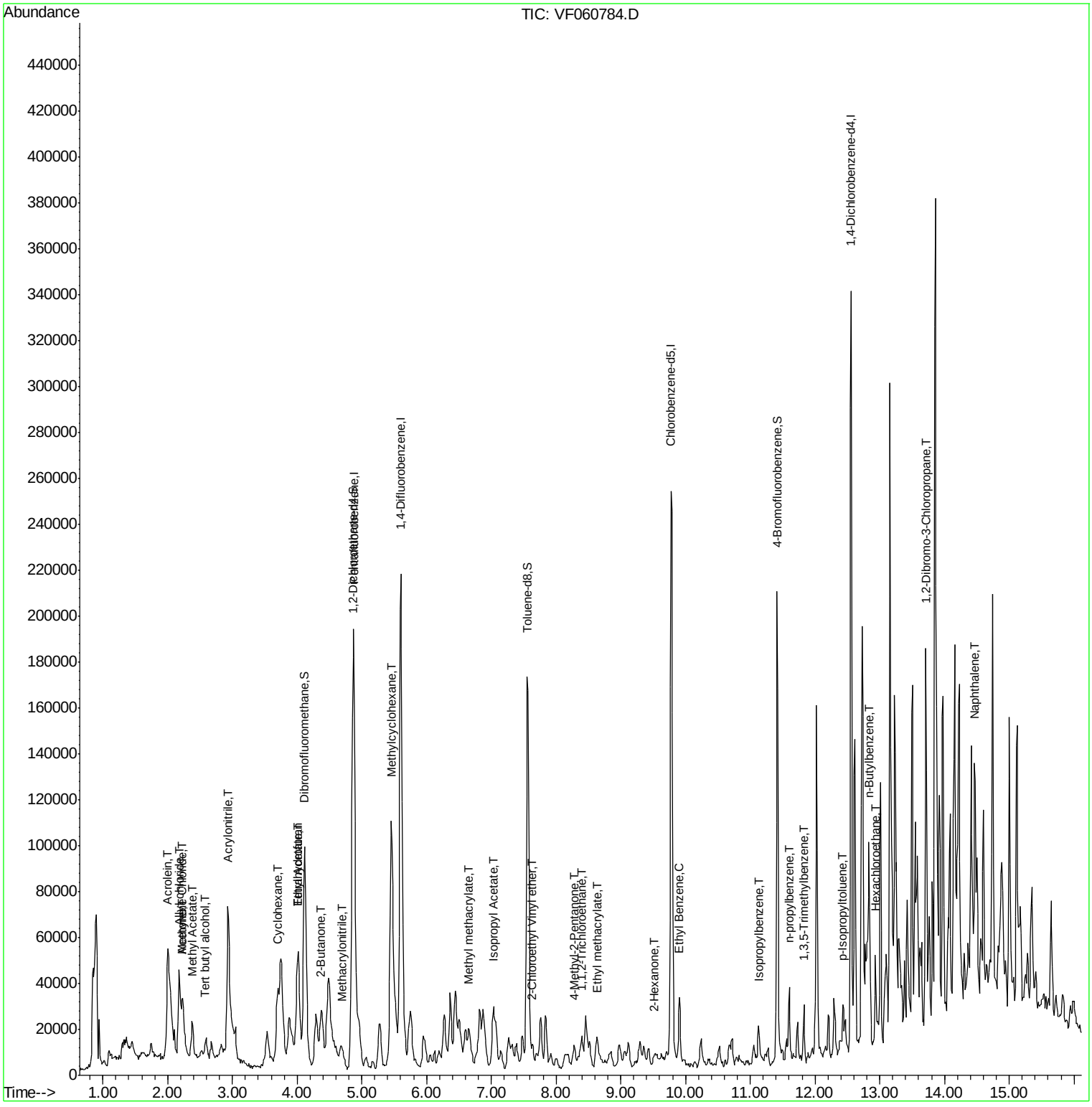
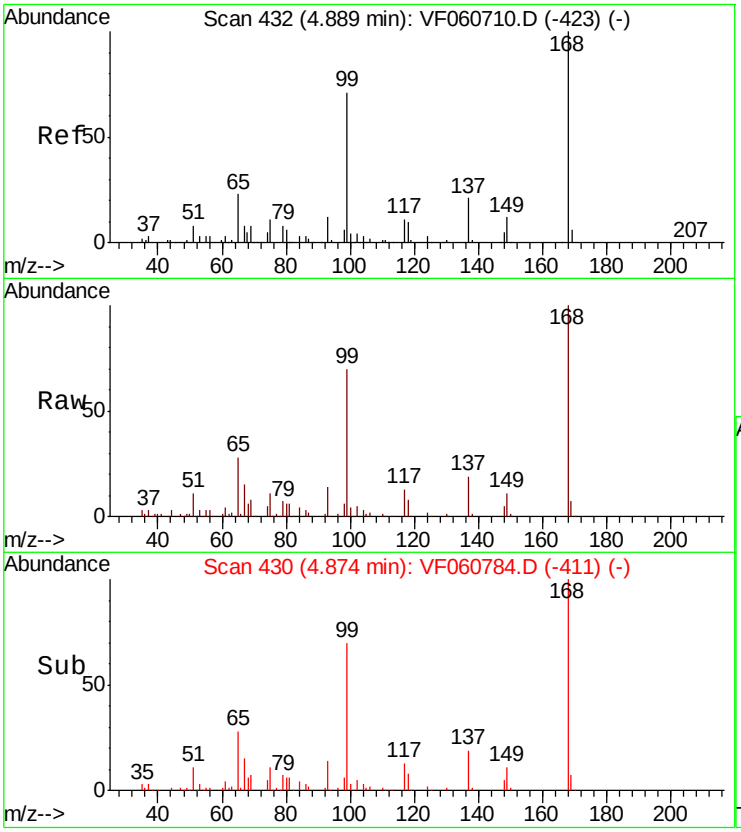
Instrument :
MSVOA_F
ClientSampleId :
SU-04-111618RE

Quant Time: Nov 20 02:19:13 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



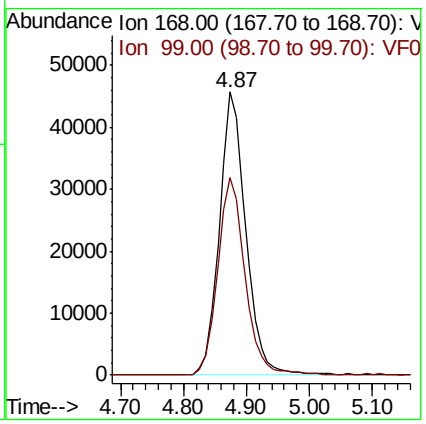


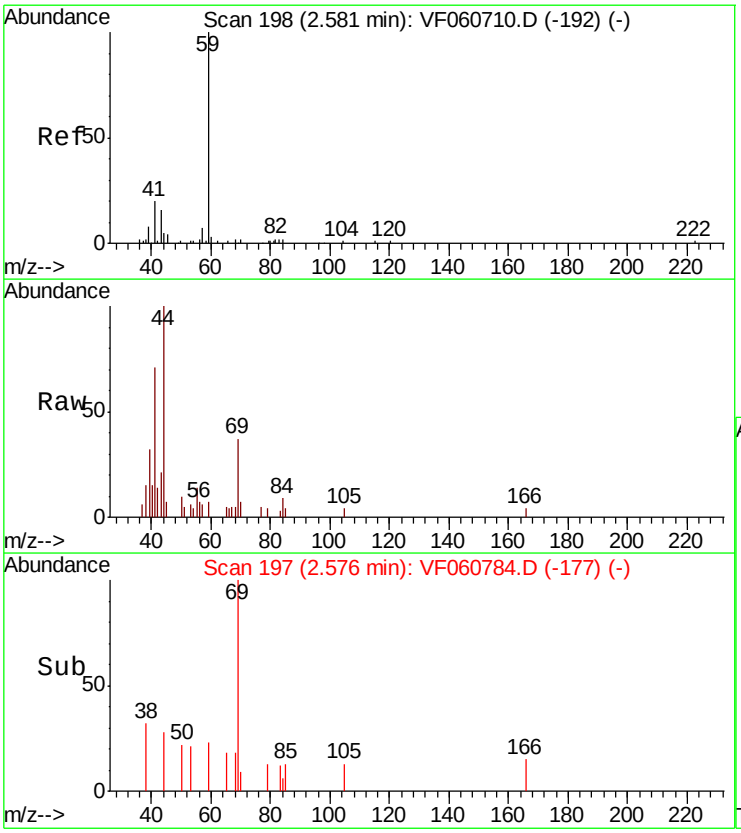
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
SU-04-111618RE

Tgt Ion:168 Resp: 133143

Ion	Ratio	Lower	Upper
168	100		
99	69.8	57.2	85.8

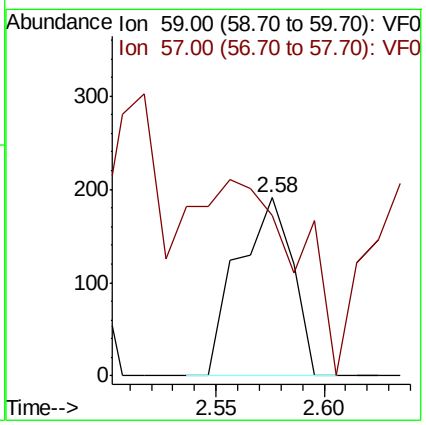


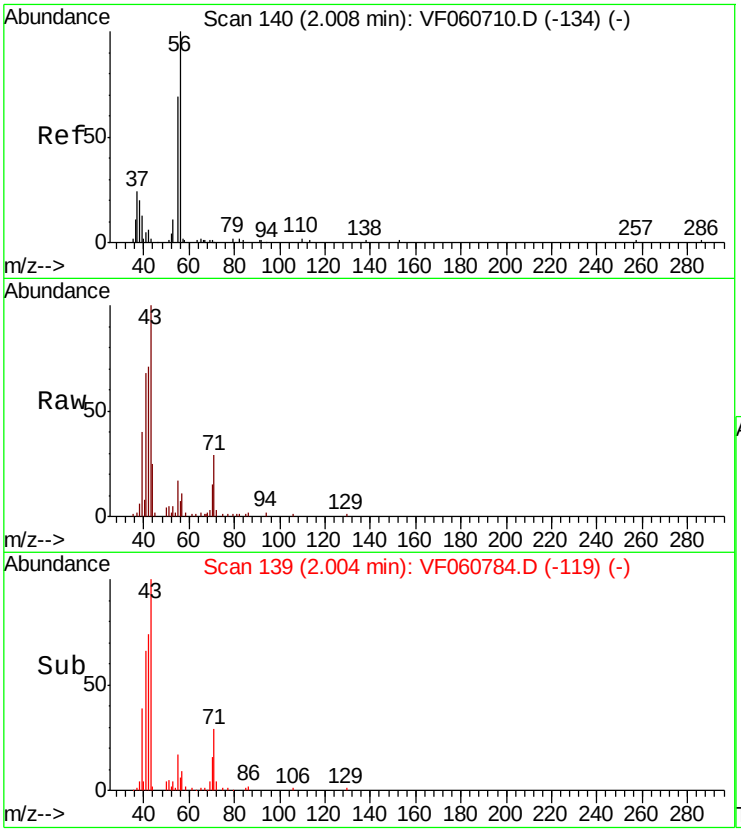


#11
Tert butyl alcohol
Concen: 4.833 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 59 Resp: 334

Ion	Ratio	Lower	Upper
59	100		
57	90.1	10.5	15.7#



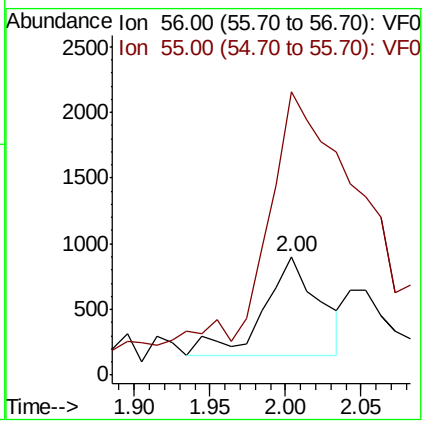


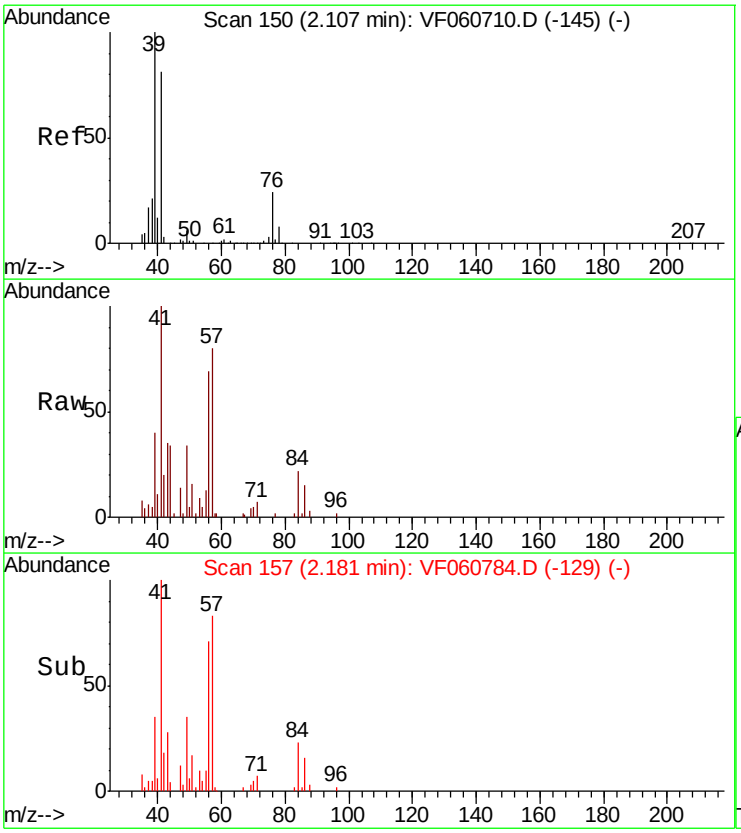
#13
Acrolein
Concen: 31.031 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 56 Resp: 1961

Ion	Ratio	Lower	Upper
56	100		
55	238.3	56.6	85.0#

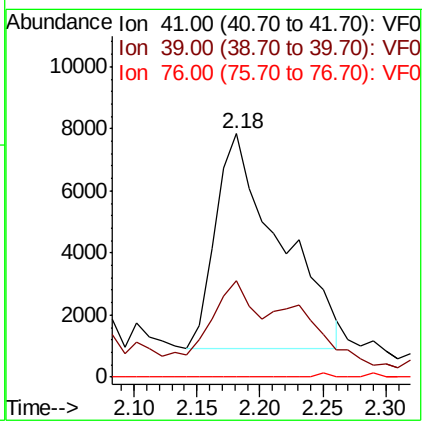


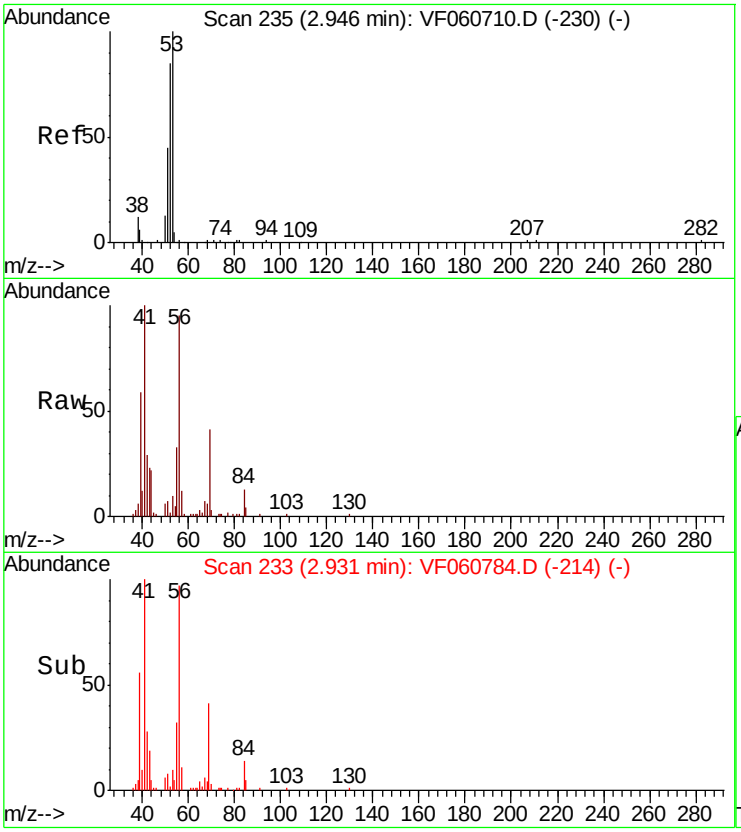


#14
Allyl chloride
Concen: 12.815 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.07 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 41 Resp: 24386

Ion	Ratio	Lower	Upper
41	100		
39	39.8	98.5	147.7#
76	0.0	24.5	36.7#



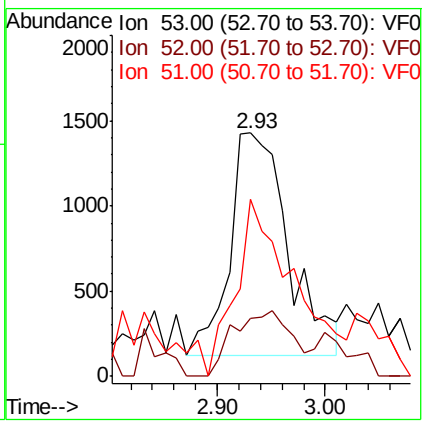


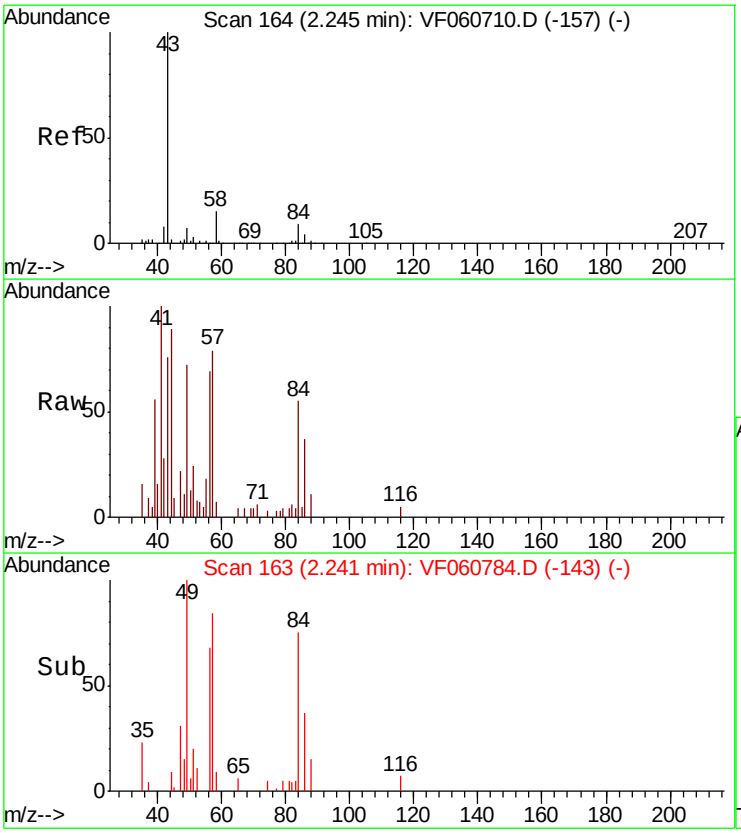
#15
Acrylonitrile
Concen: 33.631 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 53 Resp: 4953

Ion	Ratio	Lower	Upper
53	100		
52	23.7	68.8	103.2#
51	72.6	36.7	55.1#

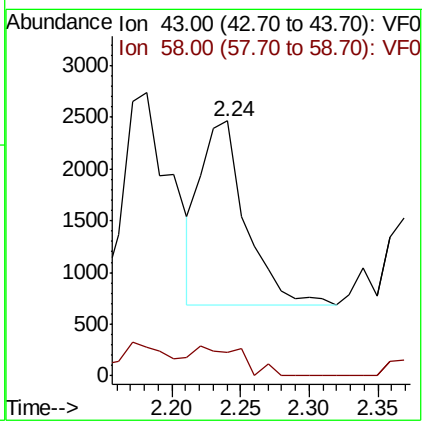


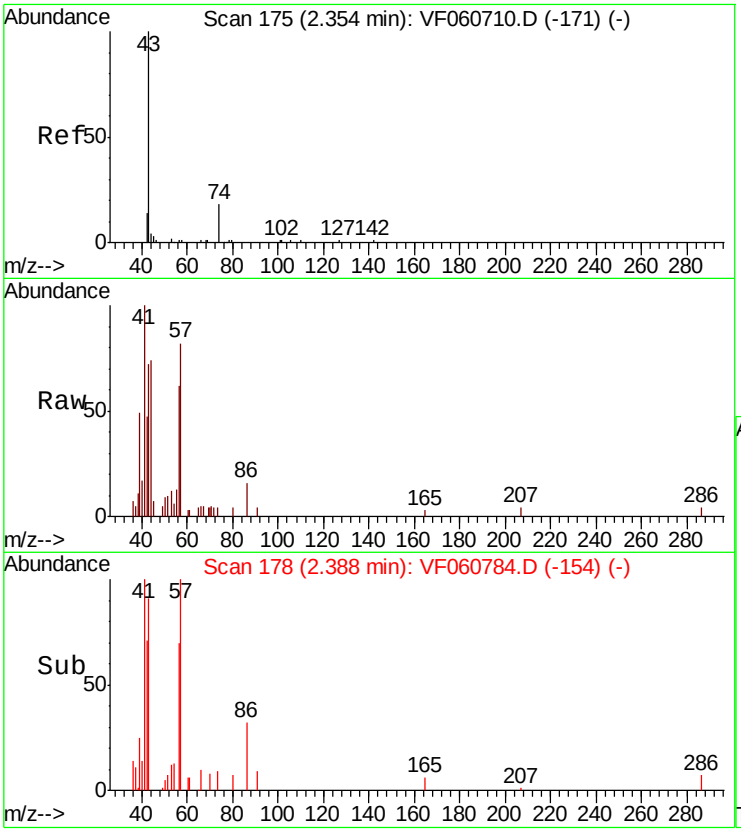


#16
Acetone
Concen: 12.443 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 43 Resp: 4039

Ion	Ratio	Lower	Upper
43	100		
58	9.1	11.6	17.4#



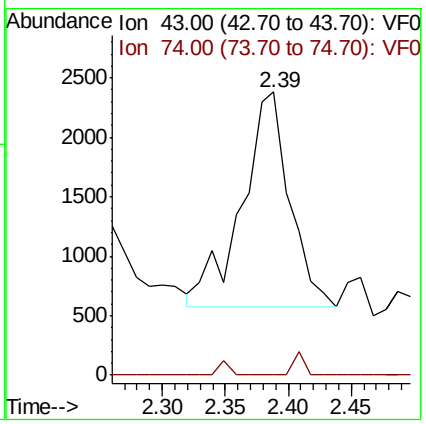


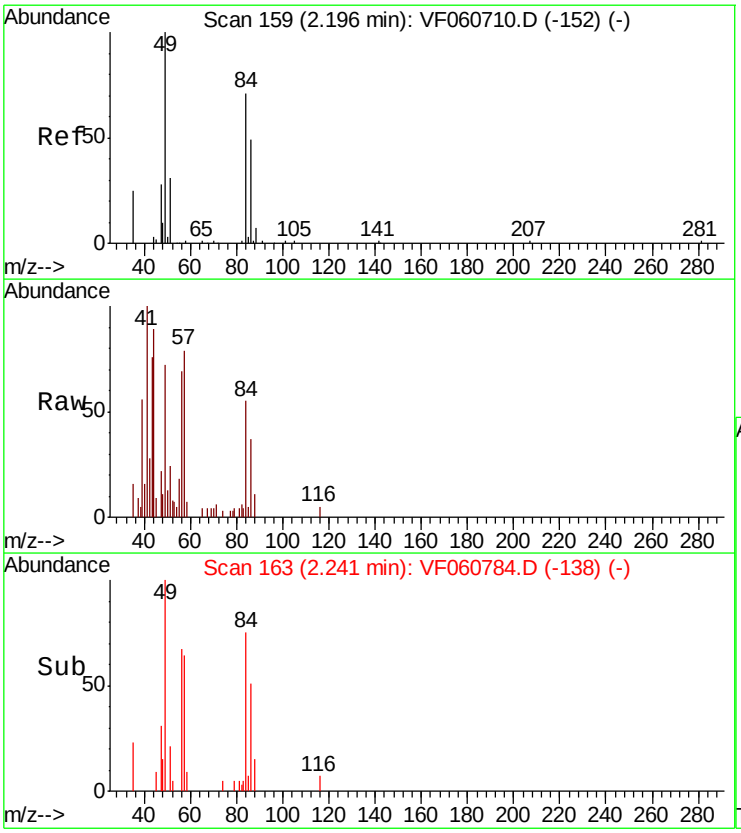
#18
Methyl Acetate
Concen: 8.932 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 43 Resp: 4761

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.8	17.8#

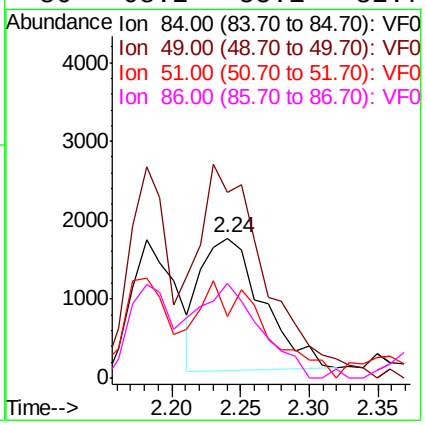


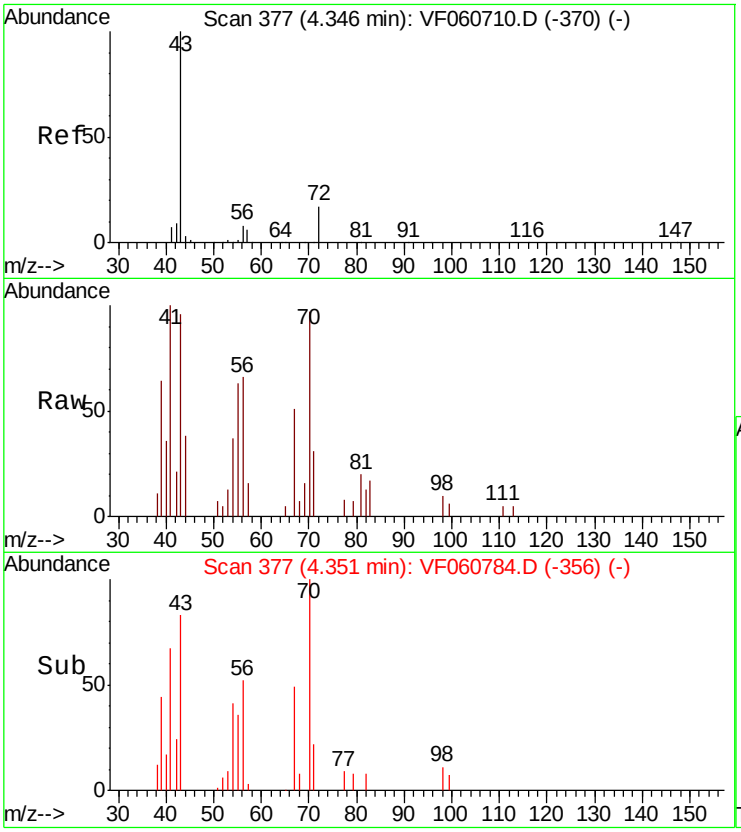


#20
Methylene Chloride
Concen: 2.121 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.05 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 84 Resp: 5244

Ion	Ratio	Lower	Upper
84	100		
49	132.7	120.2	180.4
51	43.8	37.2	55.8
86	68.2	55.1	82.7



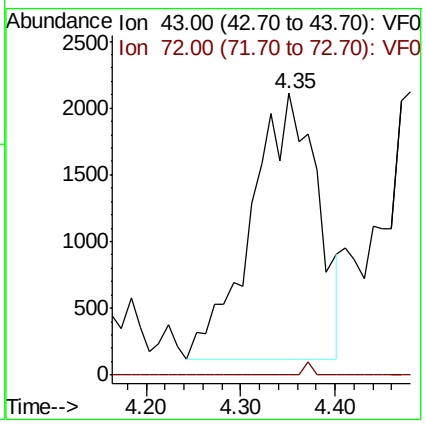


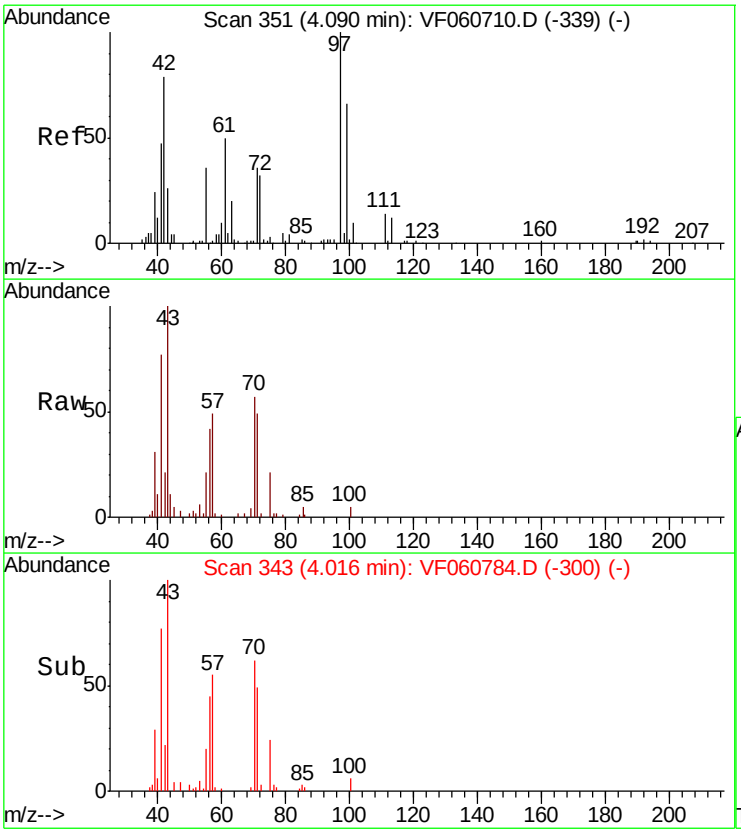
#25
2-Butanone
Concen: 18.192 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
SU-04-111618RE

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.1	24.1#

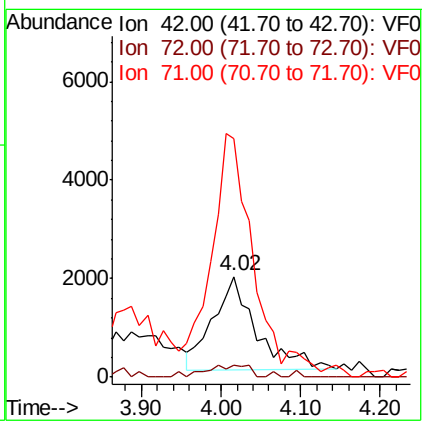


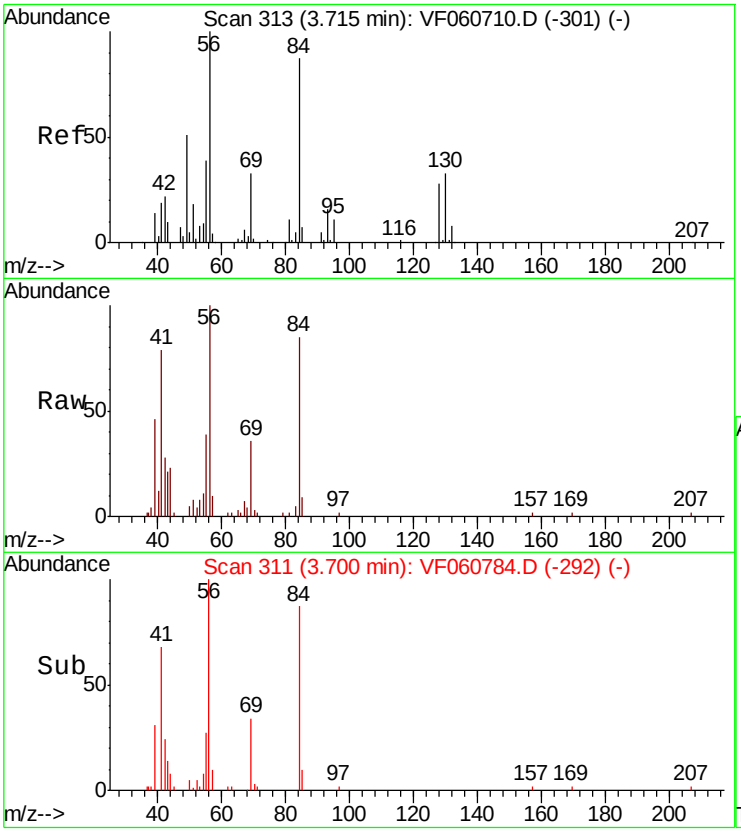


#29
Tetrahydrofuran
Concen: 32.811 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.07 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 42 Resp: 7226

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	240.6	32.2	48.2#



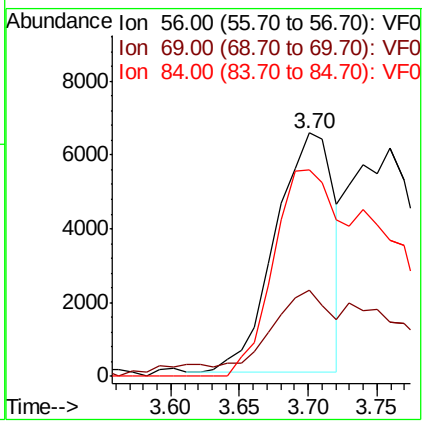


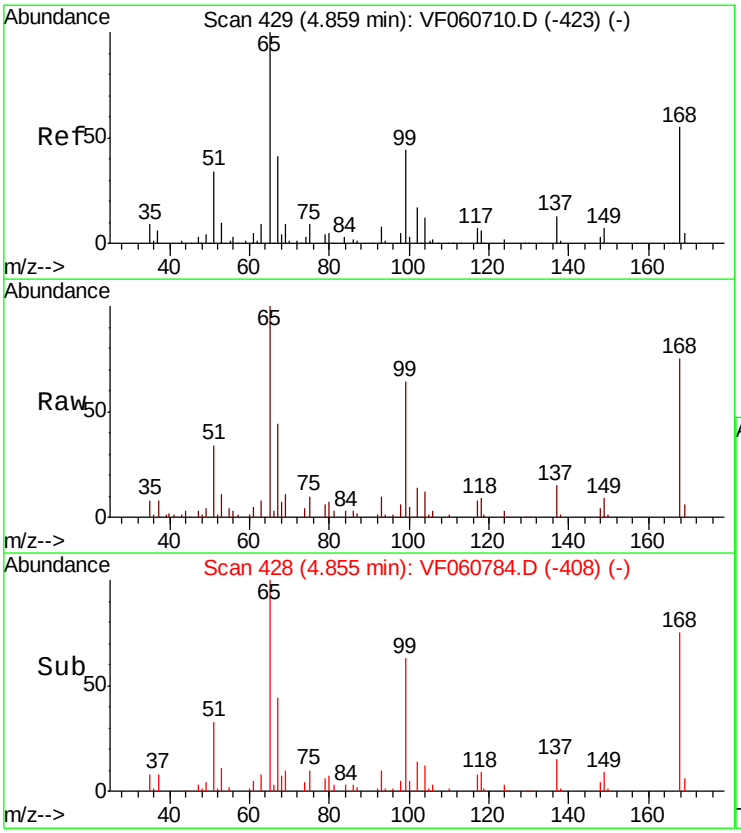
#31
Cyclohexane
Concen: 7.179 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 56 Resp: 19381

Ion	Ratio	Lower	Upper
56	100		
69	35.7	26.0	39.0
84	84.8	69.4	104.2

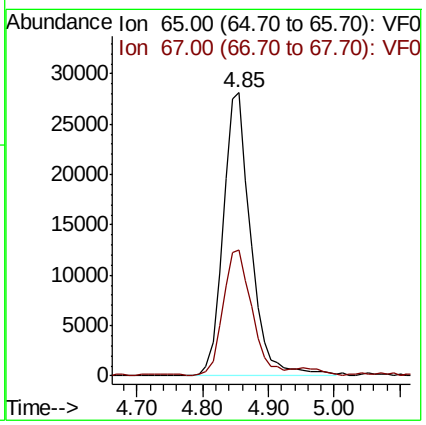


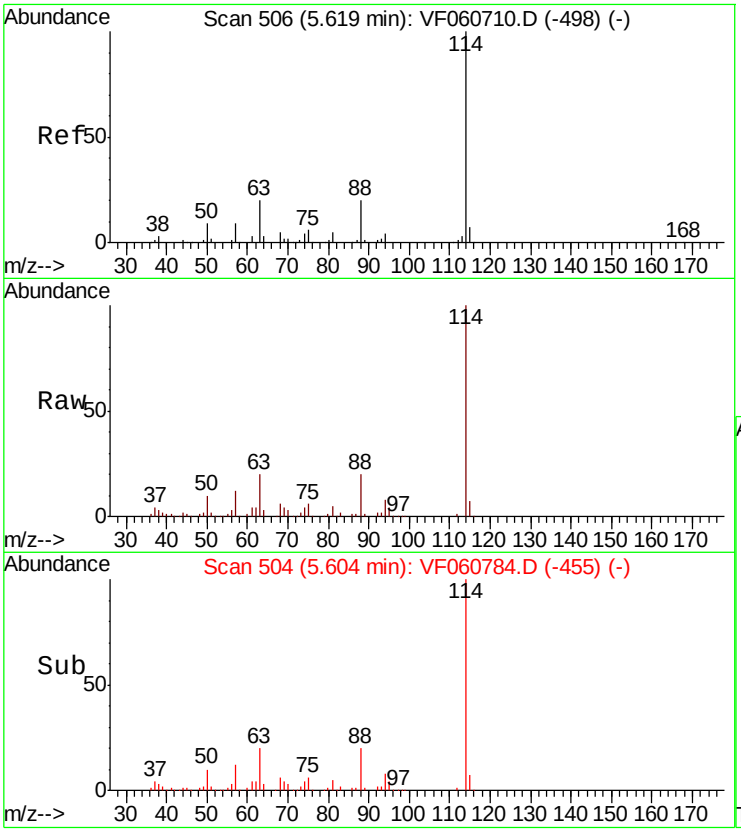


#33
1,2-Dichloroethane-d4
Concen: 54.306 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 65 Resp: 82472

Ion	Ratio	Lower	Upper
65	100		
67	44.3	0.0	90.2



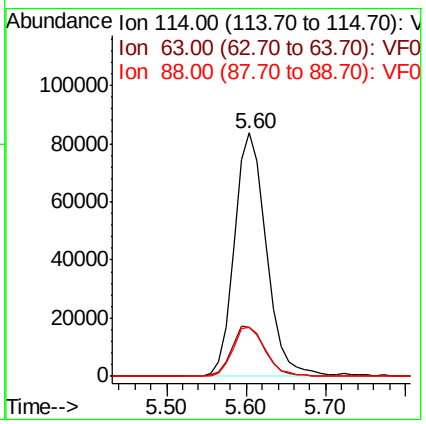


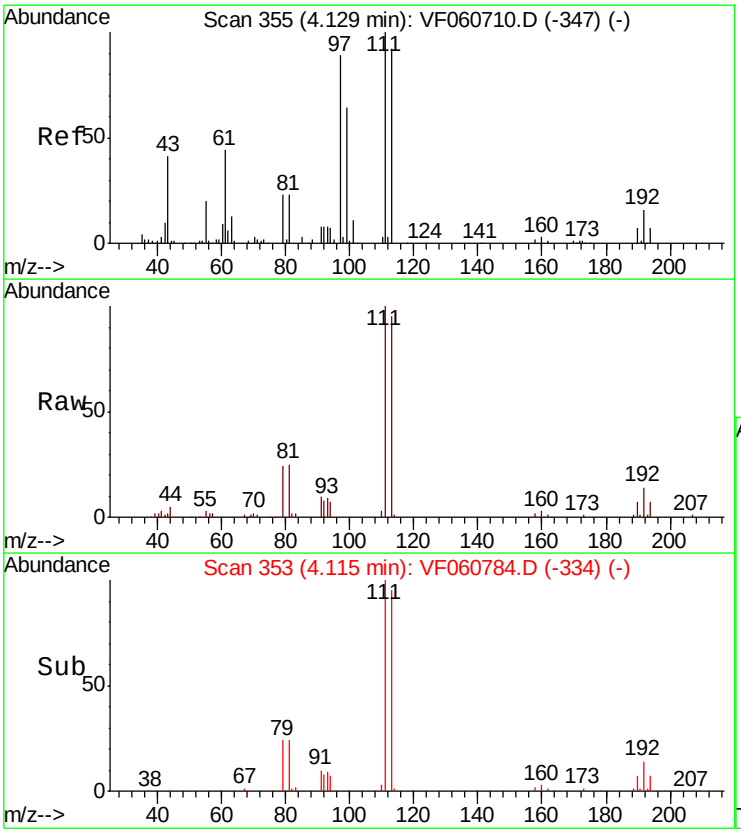
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion:114 Resp: 233118

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	20.4	0.0	39.6

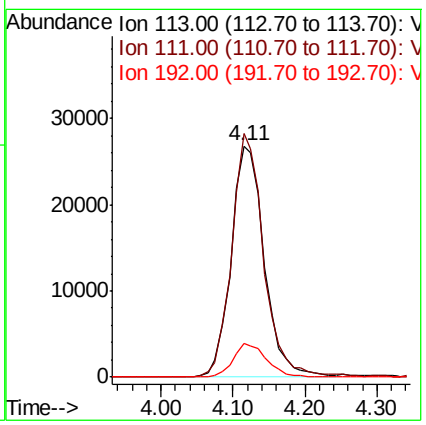


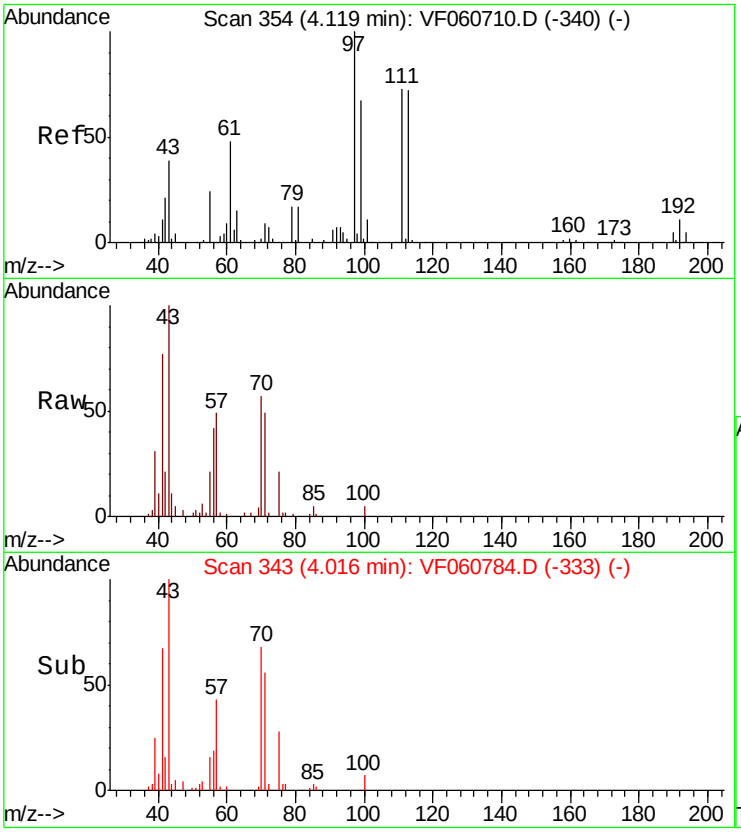


#35
Dibromofluoromethane
Concen: 49.091 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion:113 Resp: 86024

Ion	Ratio	Lower	Upper
113	100		
111	105.5	87.1	130.7
192	14.7	13.8	20.6



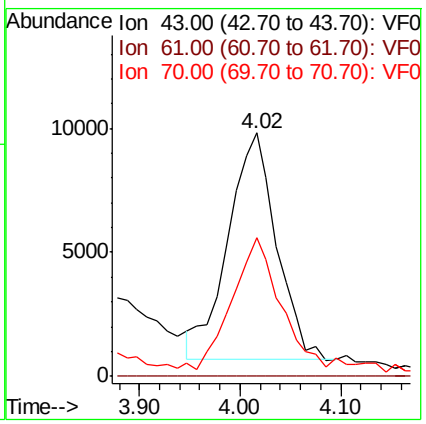


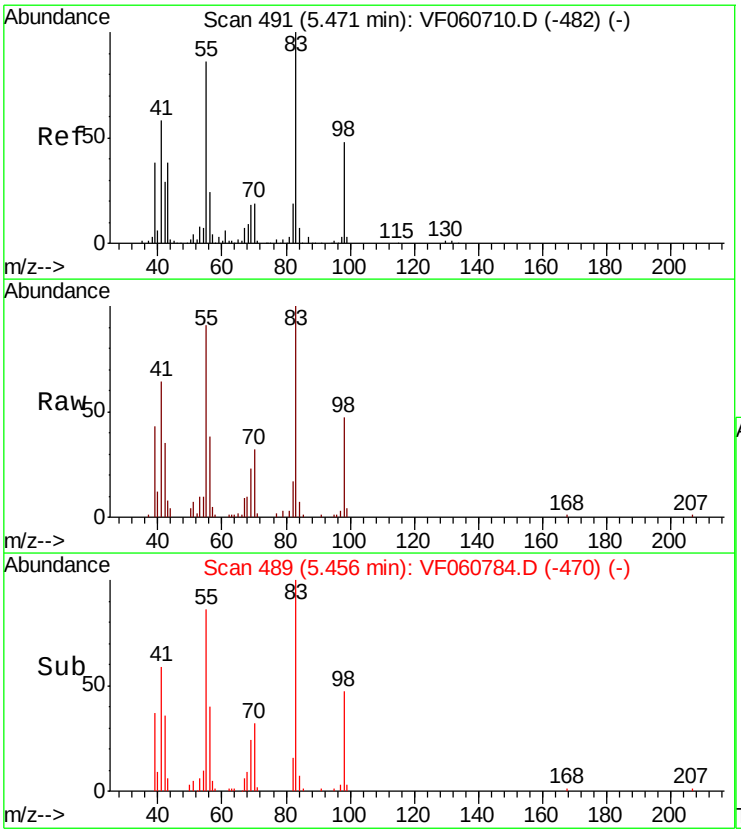
#37
Ethyl Acetate
Concen: 30.396 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.10 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 43 Resp: 30552

Ion	Ratio	Lower	Upper
43	100		
61	0.0	98.5	147.7#
70	57.0	7.4	11.0#

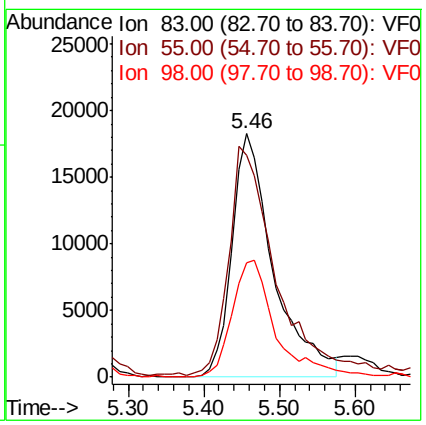


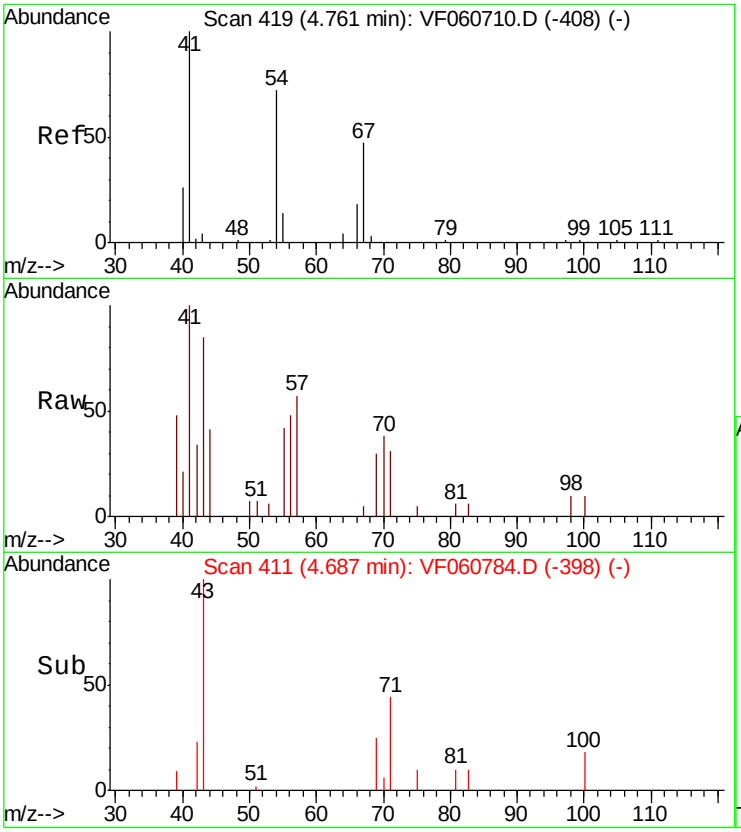


#39
Methylcyclohexane
Concen: 22.234 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 83 Resp: 69739

Ion	Ratio	Lower	Upper
83	100		
55	90.9	69.0	103.4
98	47.2	38.5	57.7



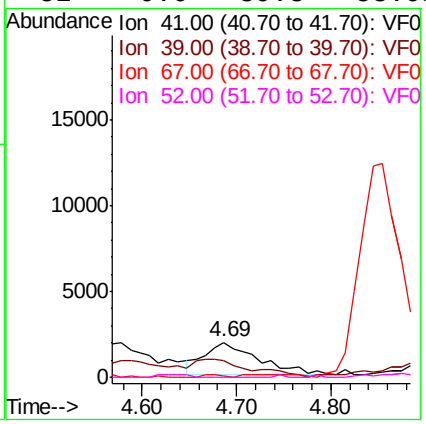


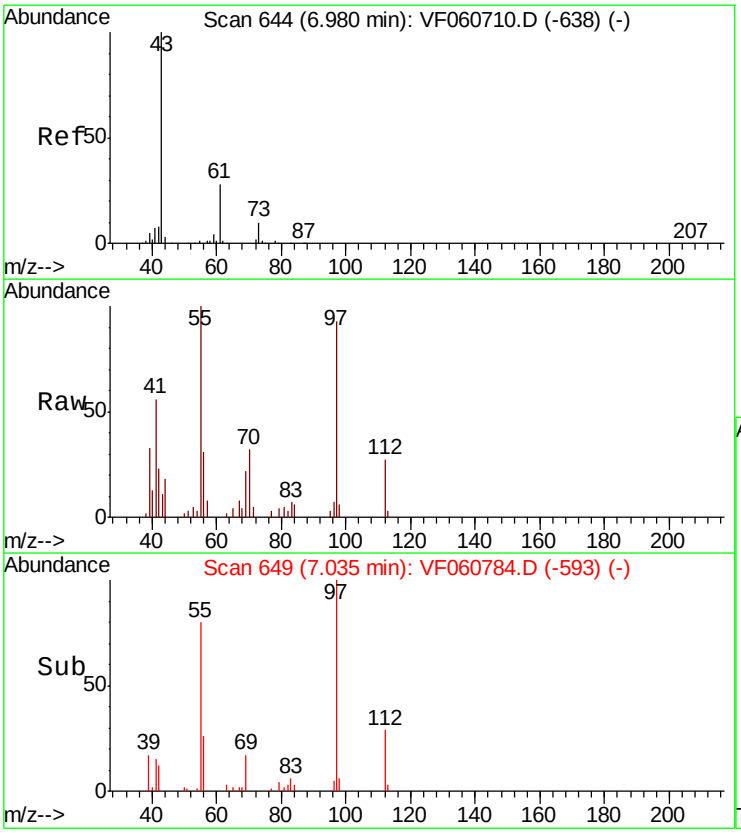
#41
Methacrylonitrile
Concen: 10.745 ug/l
RT: 4.69 min Scan# 411
Delta R.T. -0.07 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 41 Resp: 7580

Ion	Ratio	Lower	Upper
41	100		
39	47.8	47.1	70.7
67	5.1	37.1	55.7#
52	0.0	39.3	58.9#

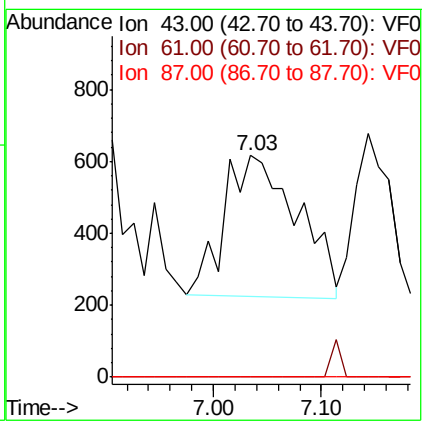


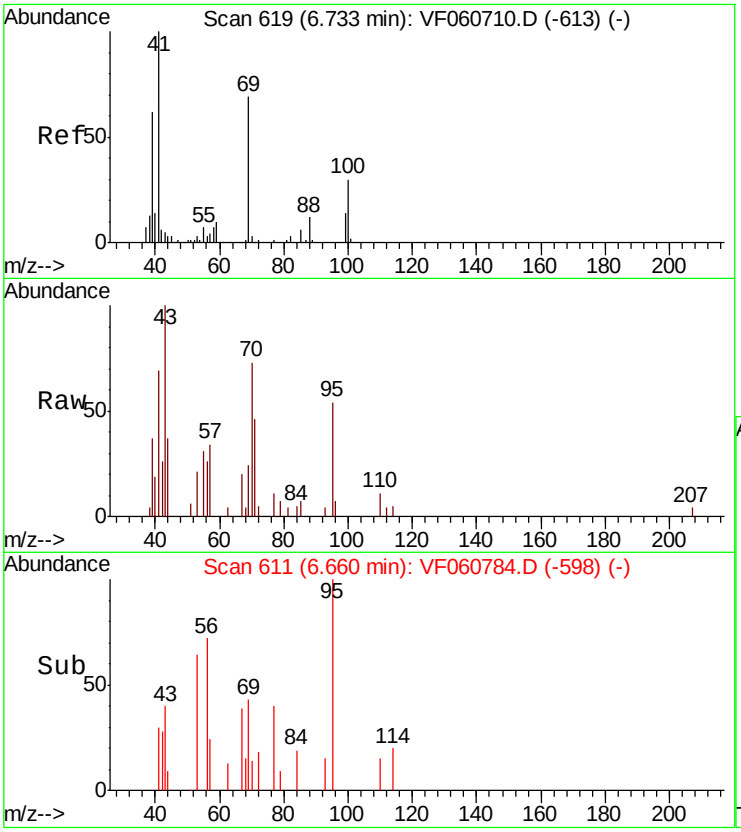


#43
Isopropyl Acetate
Concen: 1.397 ug/l
RT: 7.03 min Scan# 649
Delta R.T. 0.05 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 43 Resp: 1862

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



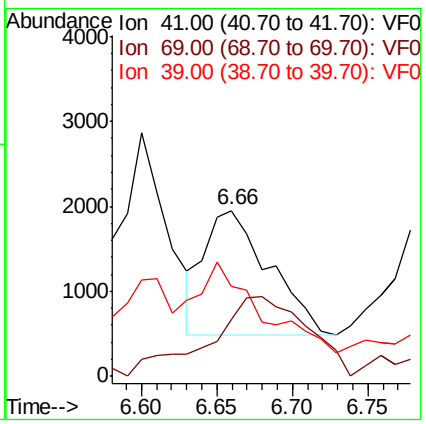


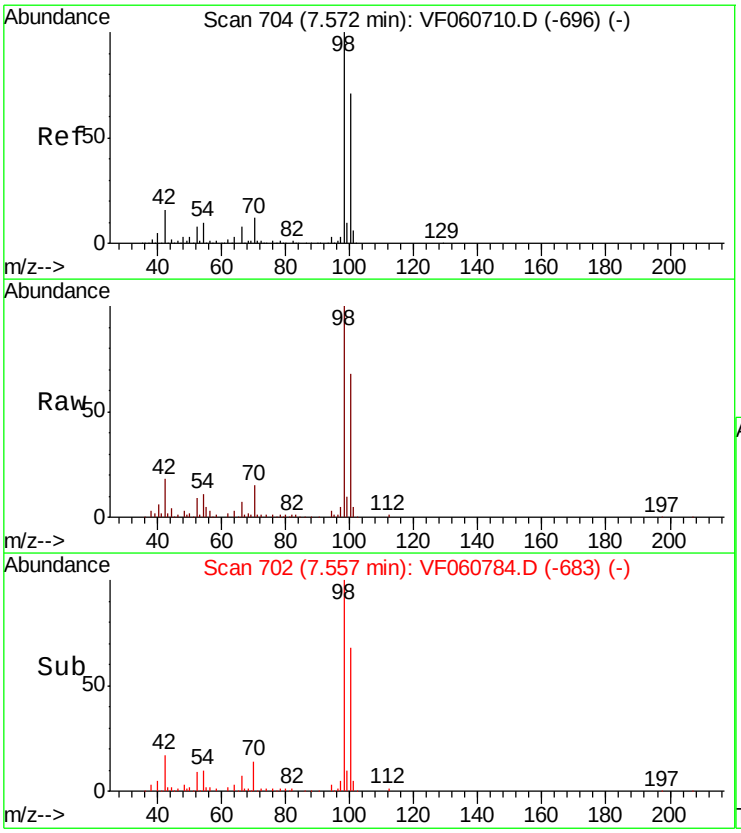
#48
Methyl methacrylate
Concen: 4.958 ug/l
RT: 6.66 min Scan# 611
Delta R.T. -0.07 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 41 Resp: 4373

Ion	Ratio	Lower	Upper
41	100		
69	34.3	54.9	82.3#
39	54.0	49.6	74.4

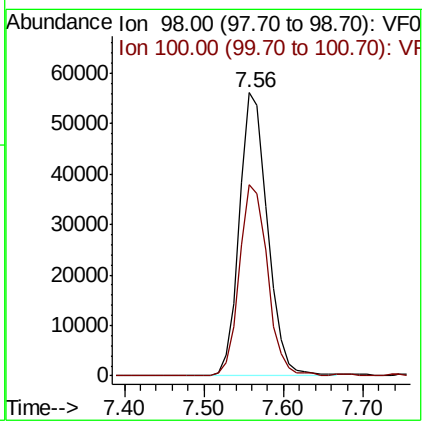


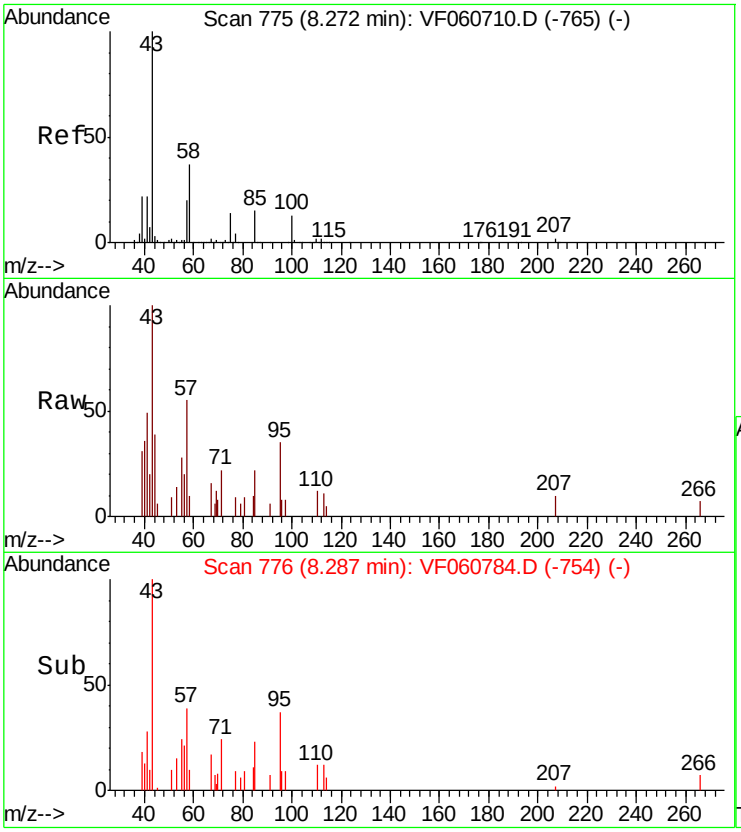


#50
Toluene-d8
Concen: 28.943 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 98 Resp: 137109

Ion	Ratio	Lower	Upper
98	100		
100	67.7	56.5	84.7



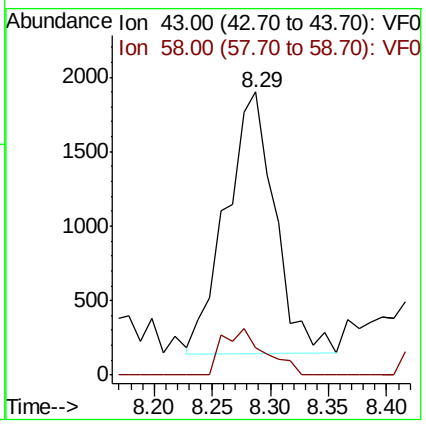


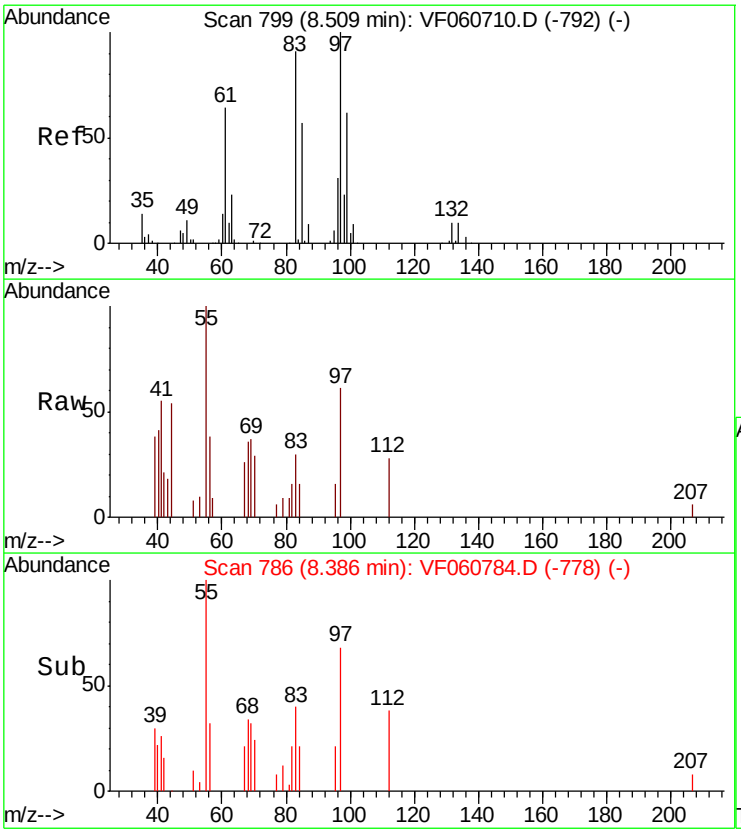
#51
4-Methyl-2-Pentanone
Concen: 5.269 ug/l
RT: 8.29 min Scan# 776
Delta R.T. 0.02 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 43 Resp: 5079

Ion	Ratio	Lower	Upper
43	100		
58	9.7	29.2	43.8#

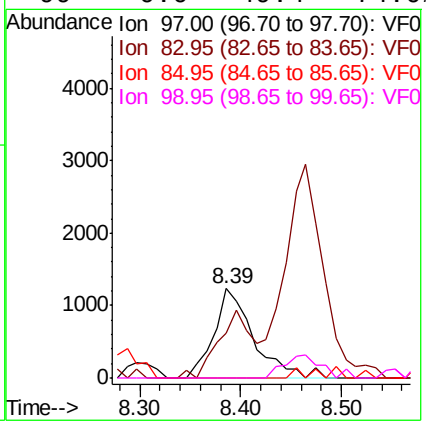


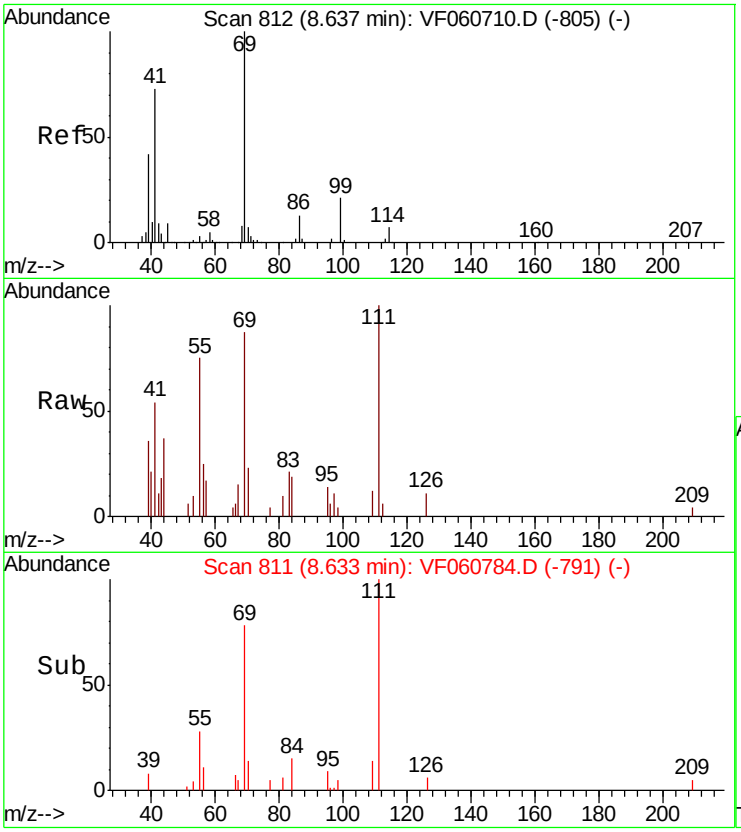


#55
1,1,2-Trichloroethane
Concen: 2.917 ug/l
RT: 8.39 min Scan# 786
Delta R.T. -0.12 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 97 Resp: 3366

Ion	Ratio	Lower	Upper
97	100		
83	50.2	72.8	109.2#
85	0.0	45.8	68.6#
99	0.0	49.4	74.0#



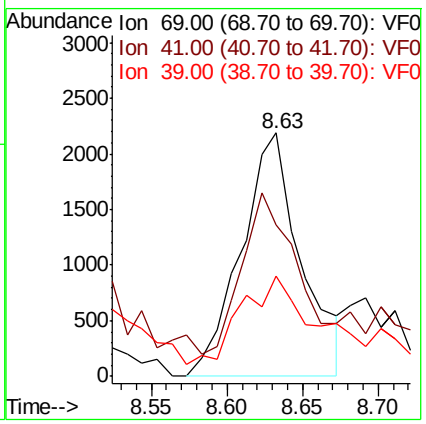


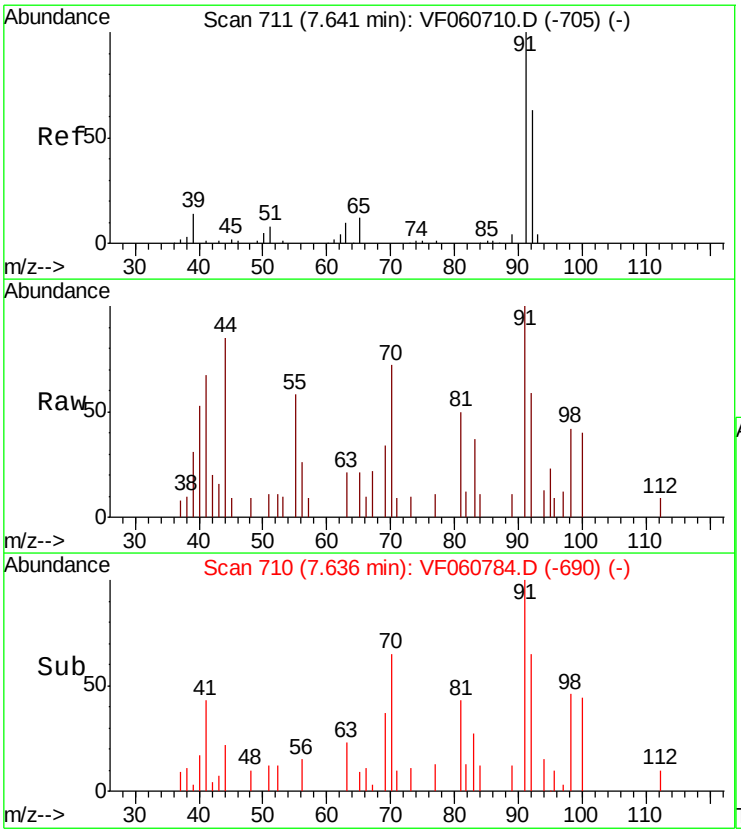
#56
Ethyl methacrylate
Concen: 4.624 ug/l
RT: 8.63 min Scan# 811
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 69 Resp: 6060

Ion	Ratio	Lower	Upper
69	100		
41	62.0	59.0	88.6
39	41.1	34.0	51.0

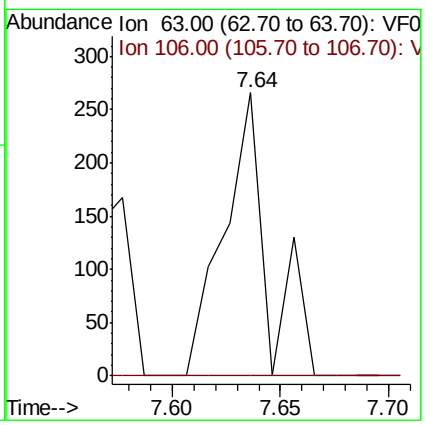


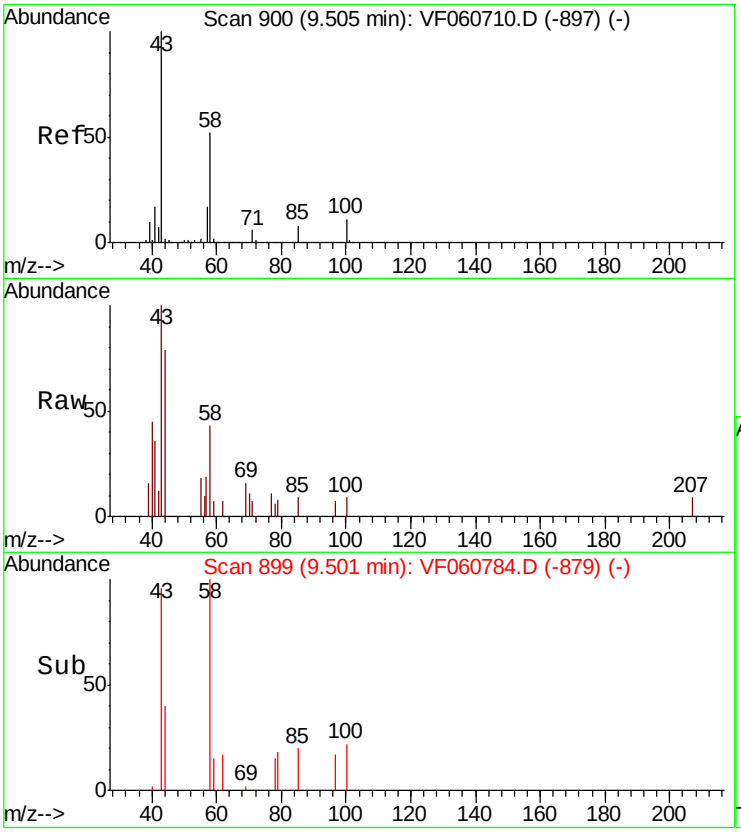


#58
2-Chloroethyl Vinyl ether
Concen: 3.174 ug/l
RT: 7.64 min Scan# 710
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 63 Resp: 380

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



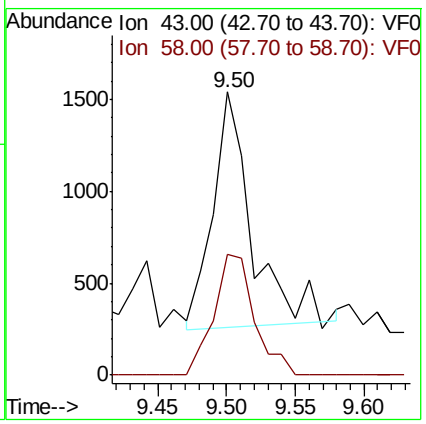


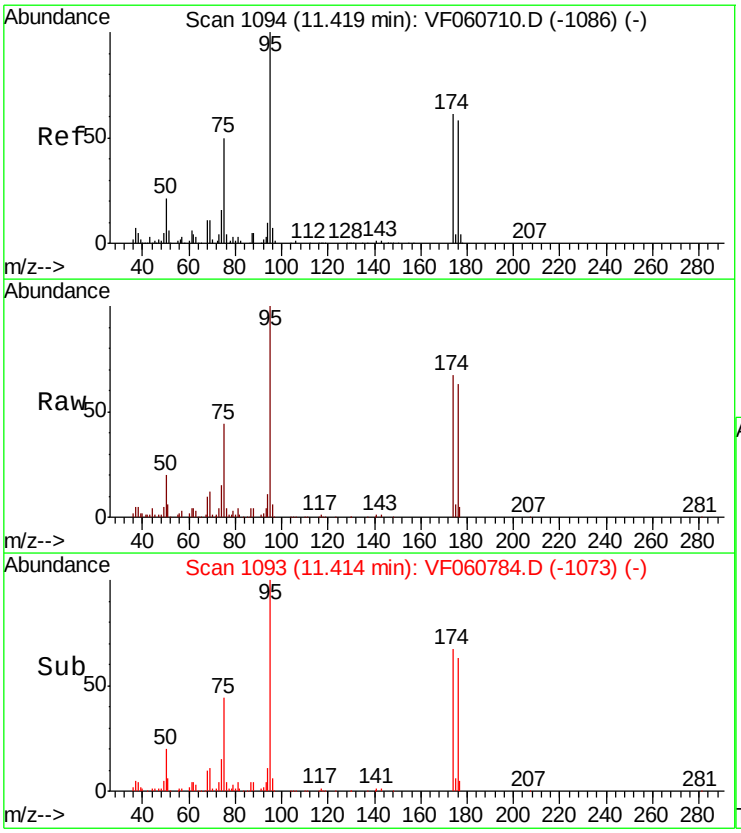
#59
2-Hexanone
Concen: 3.700 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 43 Resp: 2506

Ion	Ratio	Lower	Upper
43	100		
58	42.8	24.9	74.7

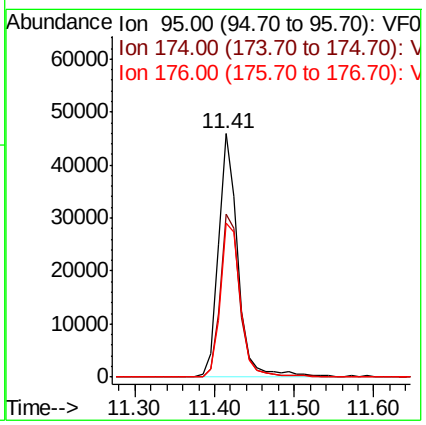


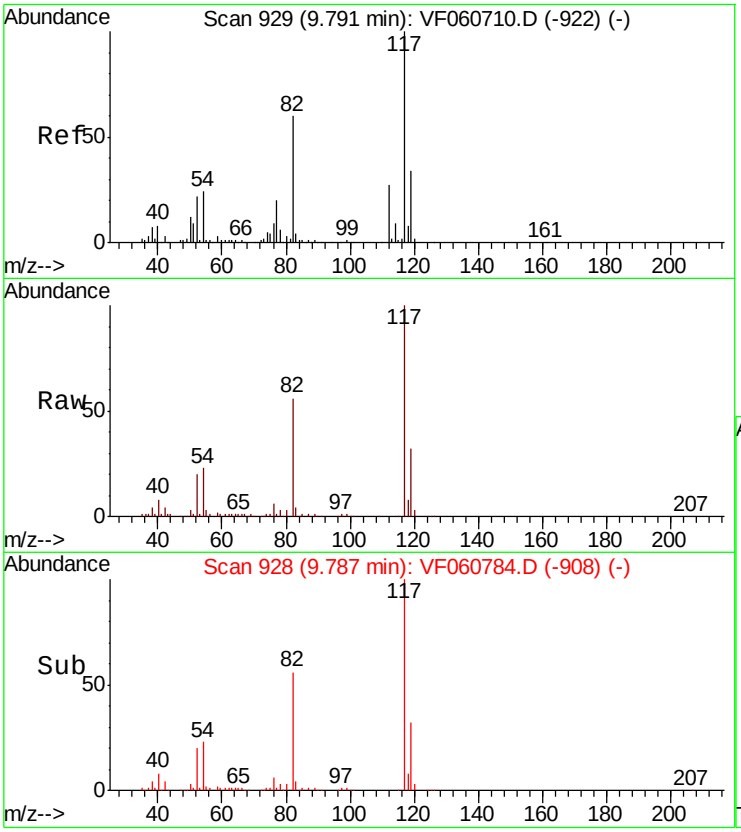


#62
4-Bromofluorobenzene
Concen: 37.412 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 95 Resp: 79692

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	121.6
176	63.0	0.0	115.2



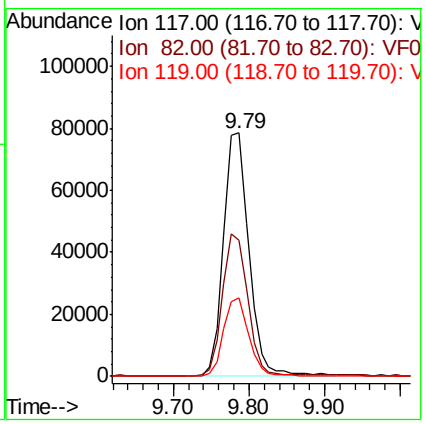


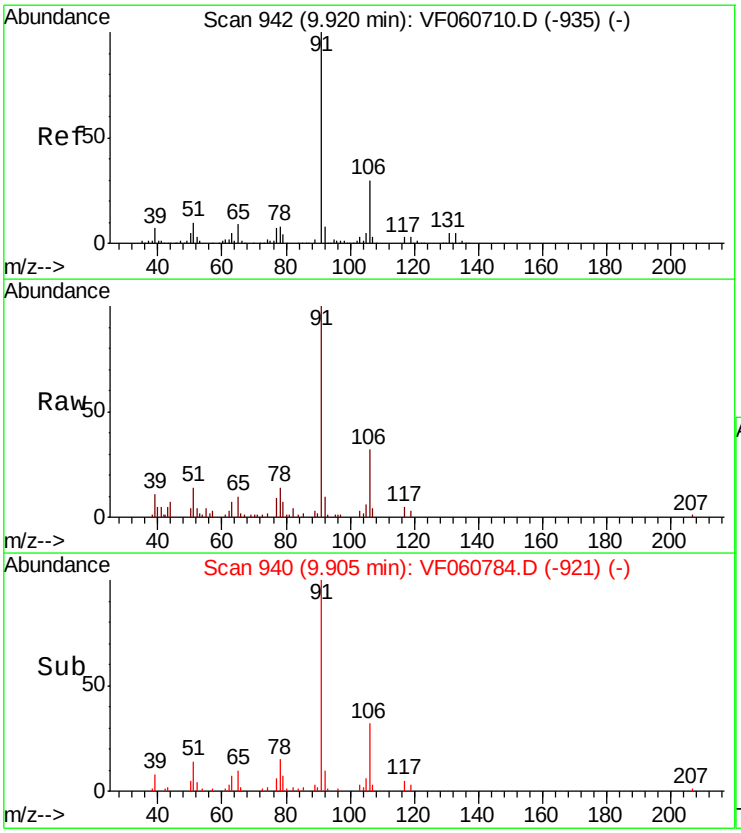
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion:117 Resp: 183811

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.9	71.9
119	32.0	26.8	40.2

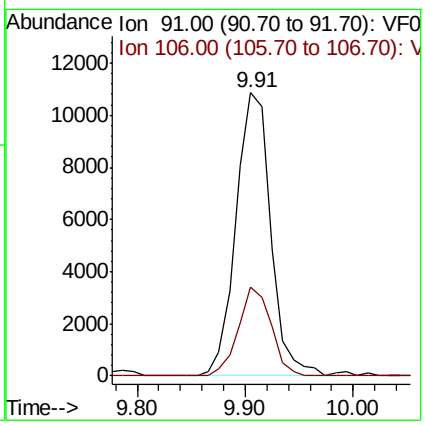


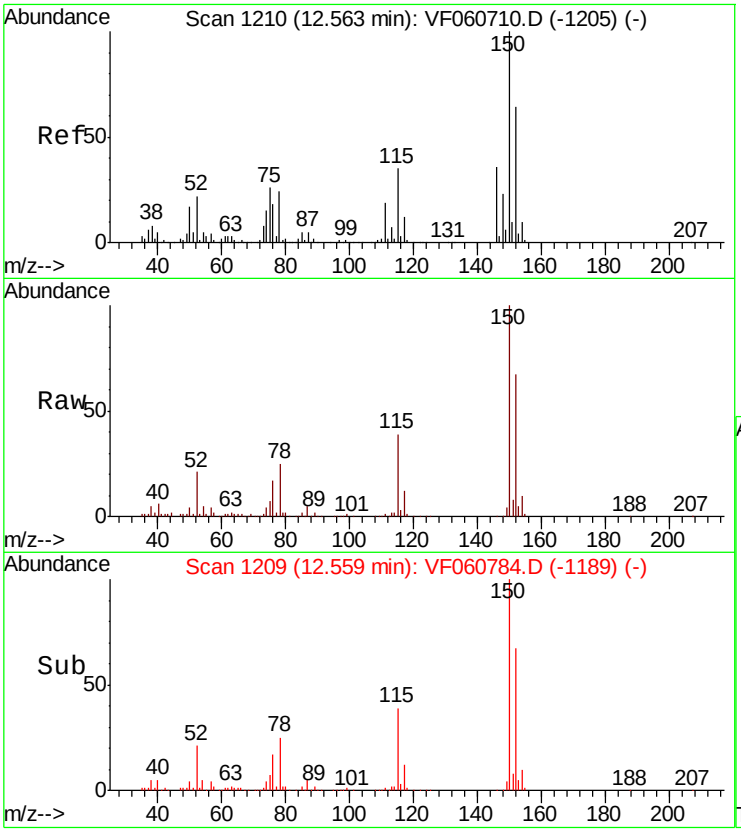


#67
Ethyl Benzene
Concen: 3.481 ug/l
RT: 9.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 91 Resp: 24340

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.9	35.9



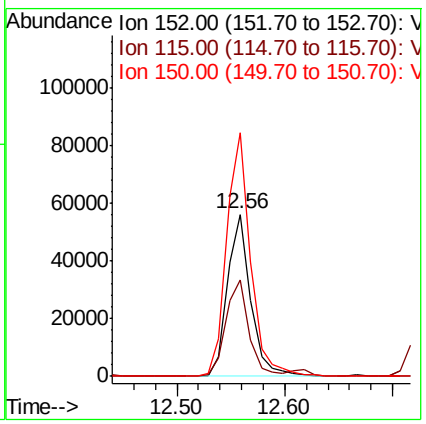


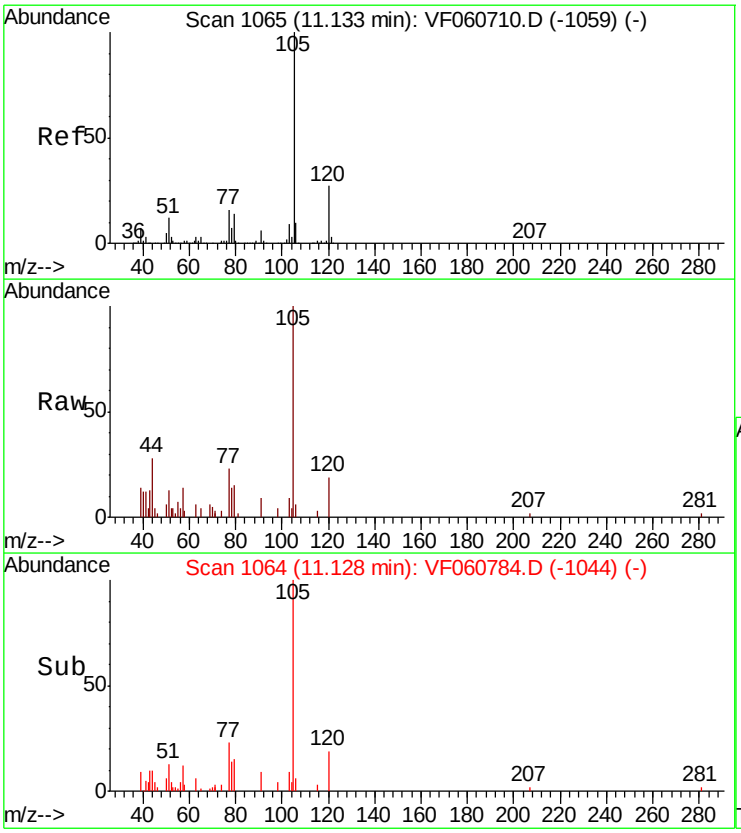
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion:152 Resp: 84751

Ion	Ratio	Lower	Upper
152	100		
115	59.1	27.9	83.7
150	150.0	0.0	316.4

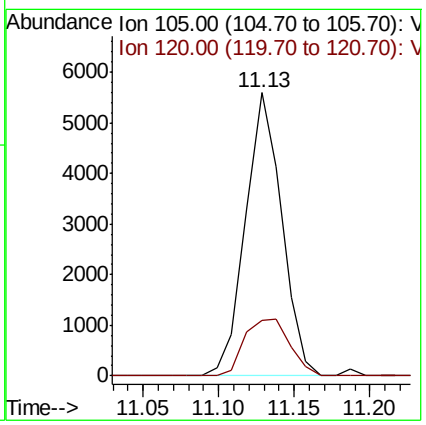


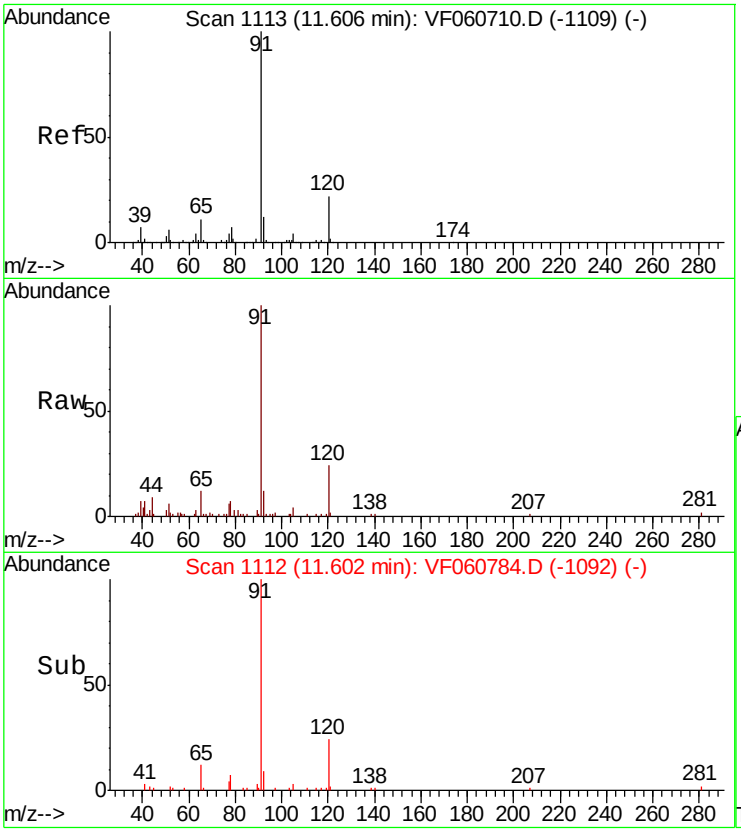


#73
Isopropylbenzene
Concen: 1.376 ug/l
RT: 11.13 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion:105 Resp: 9387

Ion	Ratio	Lower	Upper
105	100		
120	19.4	13.4	40.1



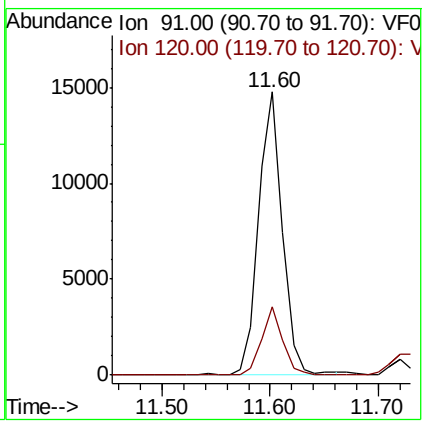


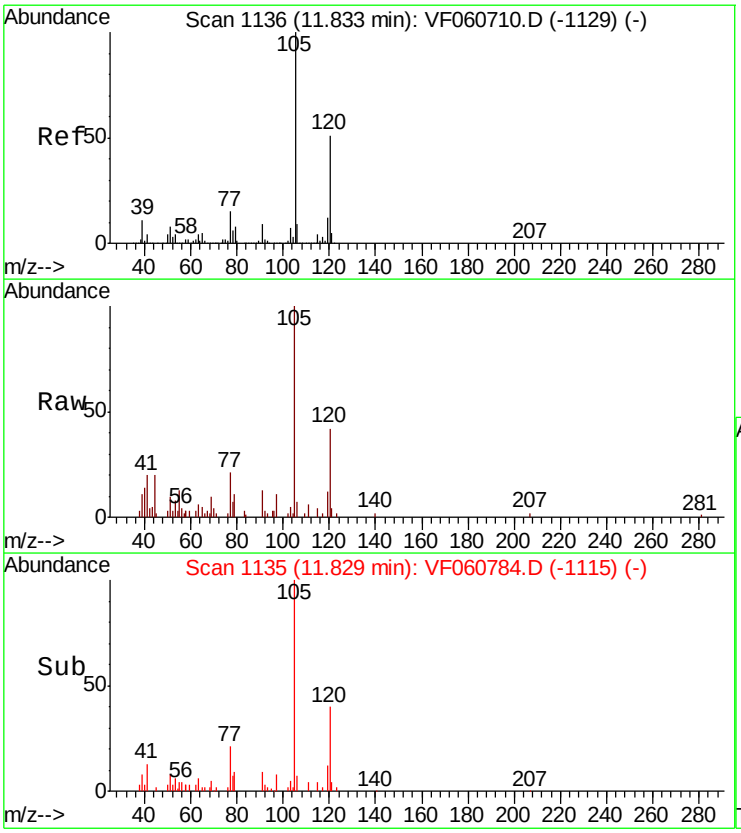
#78
n-propylbenzene
Concen: 2.847 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion: 91 Resp: 22654

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.2	33.5

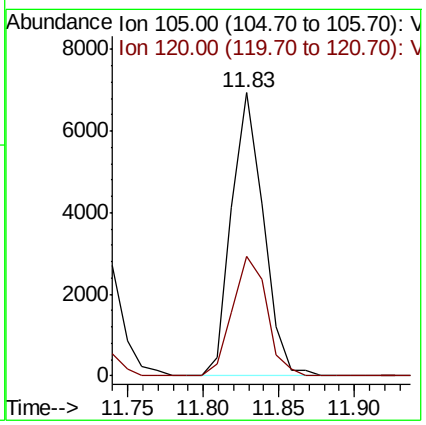


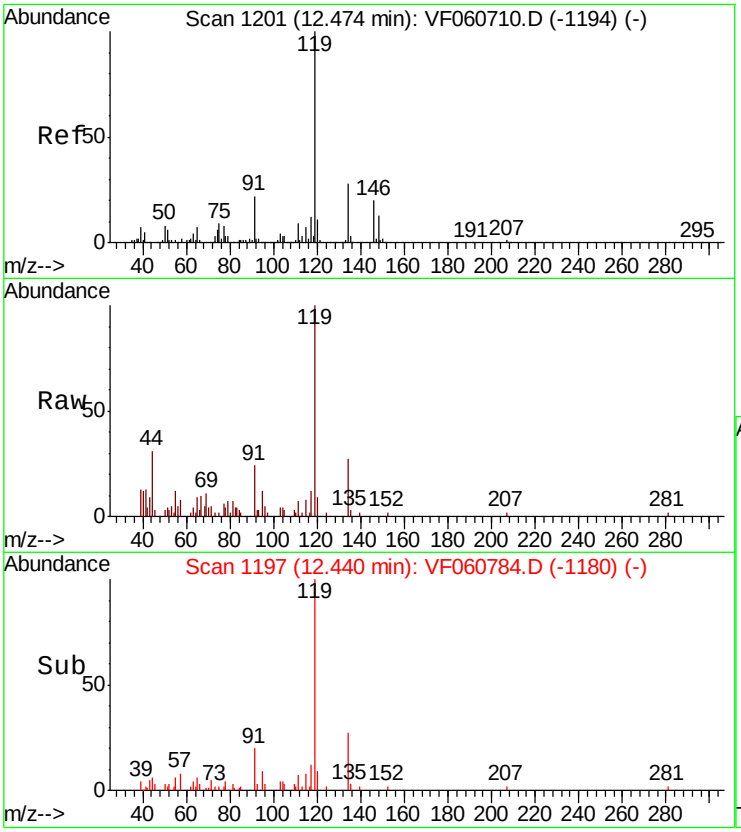


#80
1,3,5-Trimethylbenzene
Concen: 1.881 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion:105 Resp: 10190

Ion	Ratio	Lower	Upper
105	100		
120	42.1	25.6	76.8



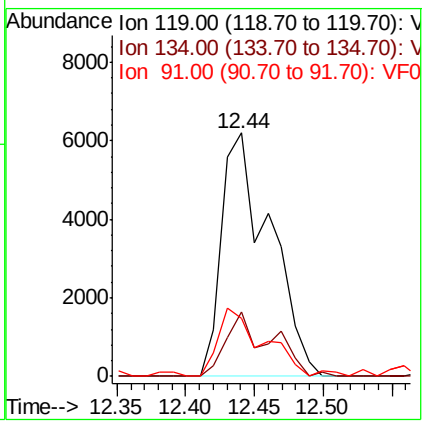


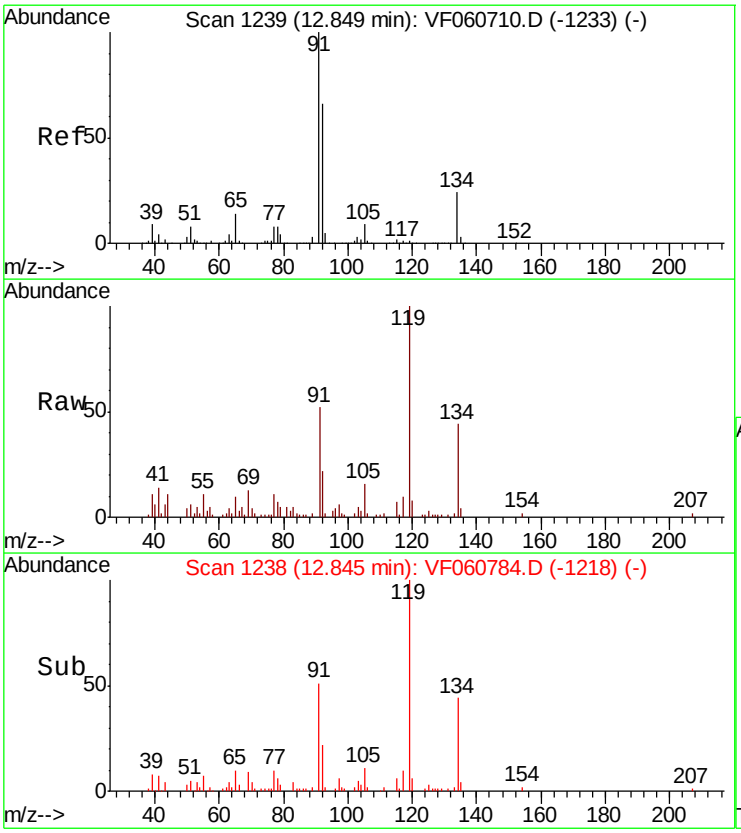
#86
p-Isopropyltoluene
Concen: 2.313 ug/l
RT: 12.44 min Scan# 1197
Delta R.T. -0.03 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
SU-04-111618RE

Tgt Ion:119 Resp: 15069

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.9	41.7
91	23.6	11.3	33.9

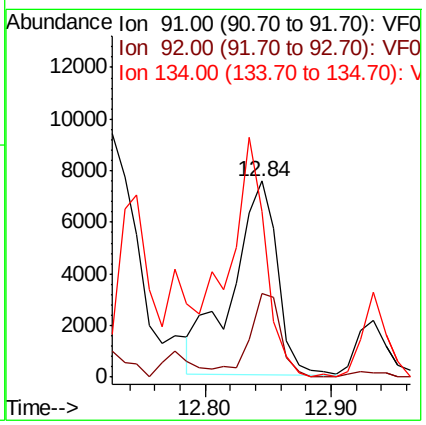


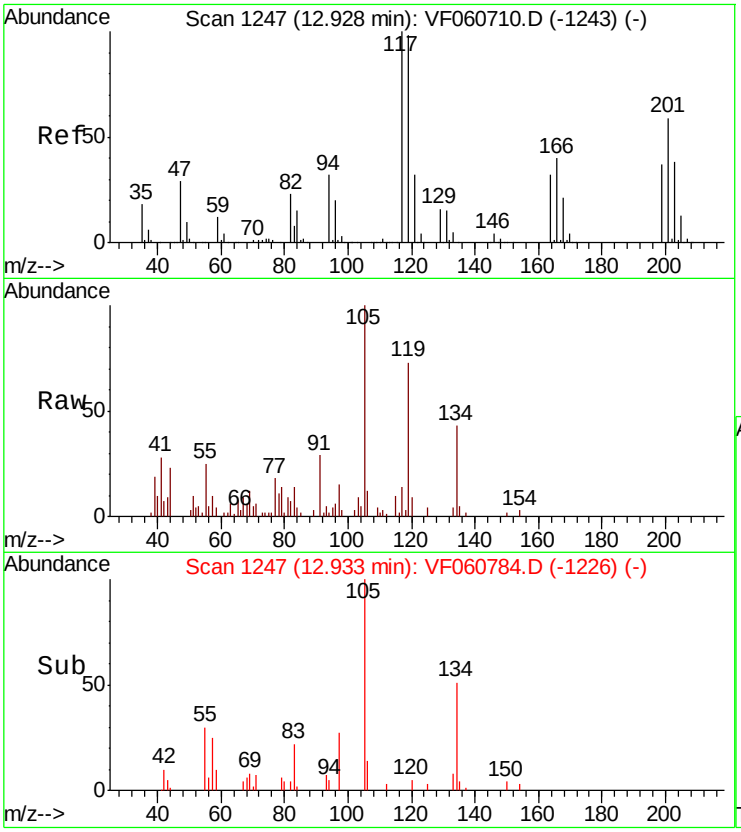


#89
n-Butylbenzene
Concen: 2.815 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 91 Resp: 18718

Ion	Ratio	Lower	Upper
91	100		
92	42.3	33.1	99.2
134	84.3	11.9	35.9#



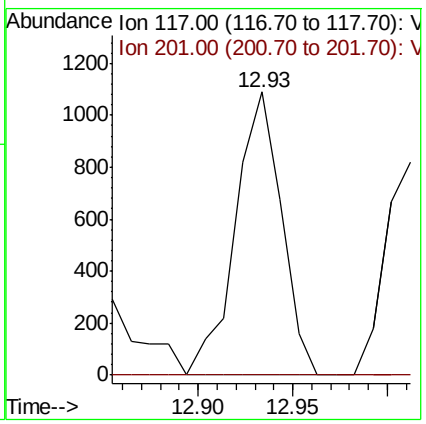


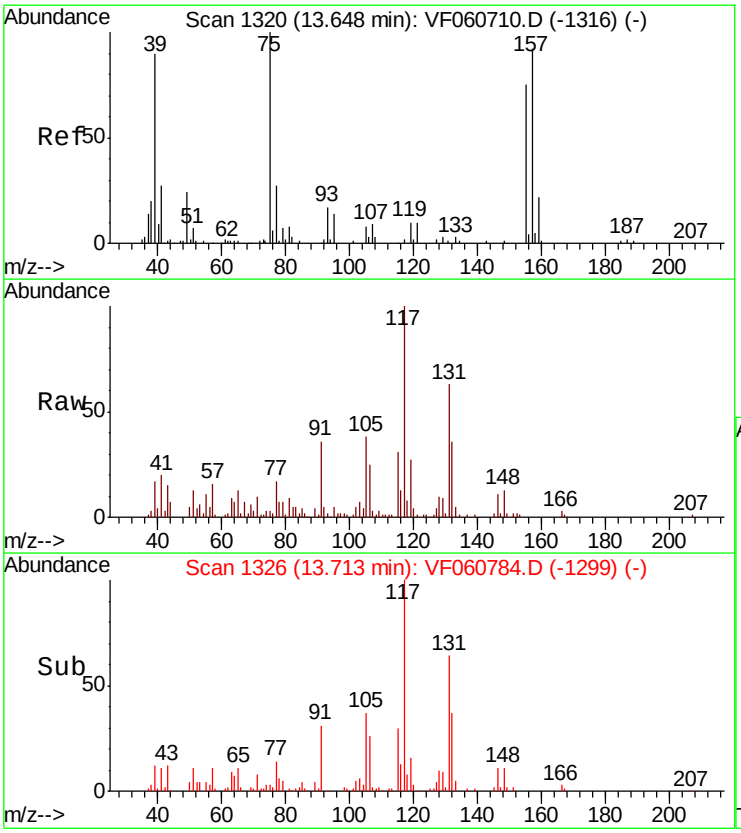
#90
Hexachloroethane
Concen: 1.153 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument : MSVOA_F
ClientSampleId : SU-04-111618RE

Tgt Ion:117 Resp: 1838

Ion	Ratio	Lower	Upper
117	100		
201	0.0	29.4	88.3#

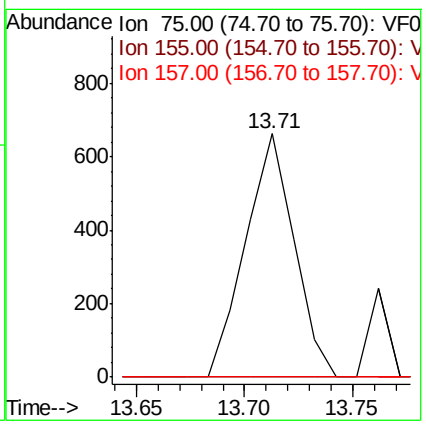


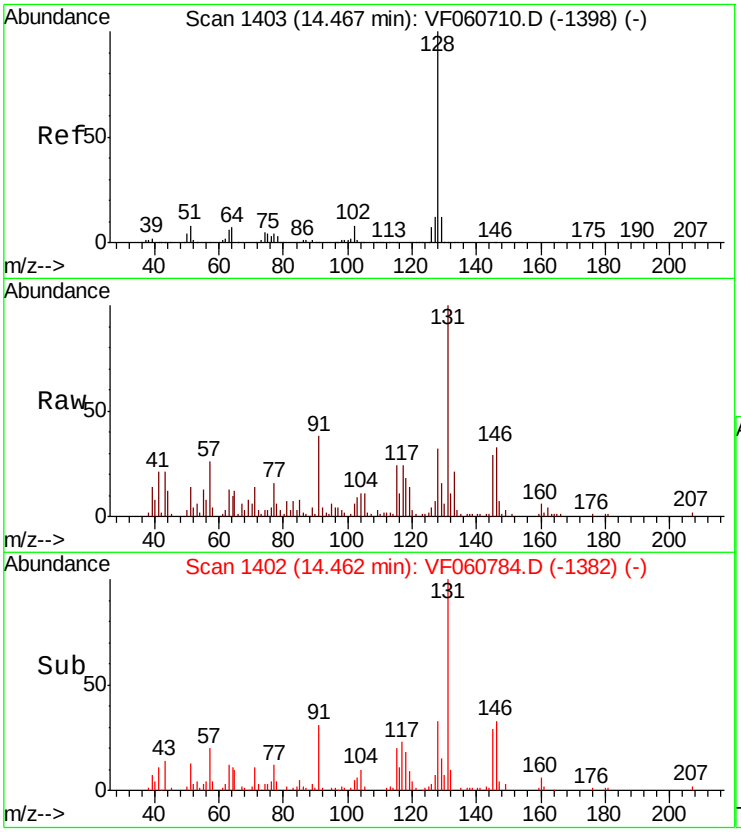


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.887 ug/l
RT: 13.71 min Scan# 1326
Delta R.T. 0.06 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Tgt Ion: 75 Resp: 1036

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





#95
Naphthalene
Concen: 1.695 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060784.D
Acq: 19 Nov 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
SU-04-111618RE

Tgt Ion:128 Resp: 5914

Ion	Ratio	Lower	Upper
128	100		
127	23.0	9.8	14.6#
129	48.5	9.3	13.9#