Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
Data File : VF060330.D
Acq On : 25 Sep 2018 17:44
Operator : VA/AP
Sample : J5061-11
Misc : 5.69/5mL/MSVOA_F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Quant Time: Sep 26 01:46:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	26752	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	35846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	22627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	5588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	5345	14.84	ug/l	0.00
Spiked Amount 50.000			Recovery = 29.68%			
35) Dibromofluoromethane	4.38	113	70	0.22	ug/l	0.09
Spiked Amount 50.000			Recovery = 0.44%			
50) Toluene-d8	7.70	98	20728	24.91	ug/l	0.00
Spiked Amount 50.000			Recovery = 49.82%			
62) 4-Bromofluorobenzene	11.49	95	5005	13.91	ug/l	0.00
Spiked Amount 50.000			Recovery = 27.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.91	85	79	Below Cal	#	4
5) Bromomethane	1.23	94	88	Below Cal		91
6) Chloroethane	1.48	64	220	1.243	ug/l #	1
8) Diethyl Ether	1.71	74	136	1.181	ug/l #	1
11) Tert butyl alcohol	2.66	59	62	Below Cal	#	63
13) Acrolein	1.97	56	91	Below Cal		95
14) Allyl chloride	2.18	41	908	1.709	ug/l #	66
15) Acrylonitrile	3.11	53	131	2.575	ug/l #	14
16) Acetone	2.32	43	2046	20.168	ug/l #	59
17) Carbon Disulfide	1.90	76	182	Below Cal	#	70
18) Methyl Acetate	2.44	43	1195	7.071	ug/l #	62
20) Methylene Chloride	2.27	84	1080	Below Cal	#	79
23) Vinyl Acetate	3.28	43	421	1.069	ug/l #	79
25) 2-Butanone	4.47	43	722	5.288	ug/l #	56
29) Tetrahydrofuran	4.23	42	591	11.819	ug/l #	66
37) Ethyl Acetate	4.27	43	429	2.268	ug/l #	1
41) Methacrylonitrile	4.92	41	530	5.163	ug/l #	23
43) Isopropyl Acetate	7.11	43	1297	5.695	ug/l #	48
48) Methyl methacrylate	6.85	41	835	5.223	ug/l #	60
49) 1,4-Dioxane	6.84	88	76	53.207	ug/l #	18
51) 4-Methyl-2-Pentanone	8.41	43	469	2.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	135	6.495	ug/l	100
59) 2-Hexanone	9.61	43	1632	13.057	ug/l	76
74) N-amyl acetate	11.47	43	1451	13.564	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.77	83	105	1.181	ug/l #	27
76) 1,2,3-Trichloropropane	11.91	75	75	1.178	ug/l #	34
78) n-propylbenzene	11.68	91	159	Below Cal	#	57
81) trans-1,4-Dichloro-2-buten	11.95	75	72	2.140	ug/l #	1
85) sec-Butylbenzene	12.38	105	153	Below Cal	#	58
86) p-Isopropyltoluene	12.59	119	63	Below Cal	#	1
88) 1,4-Dichlorobenzene	12.64	146	286	1.432	ug/l #	32
89) n-Butylbenzene	12.88	91	297	Below Cal	#	28
92) 1,2-Dibromo-3-Chloropropan	13.74	75	60	3.595	ug/l #	1

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
Data File : VF060330.D
Acq On : 25 Sep 2018 17:44
Operator : VA/AP
Sample : J5061-11
Misc : 5.69/5mL/MSVOA_F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Quant Time: Sep 26 01:46:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
Data File : VF060330.D
Acq On : 25 Sep 2018 17:44
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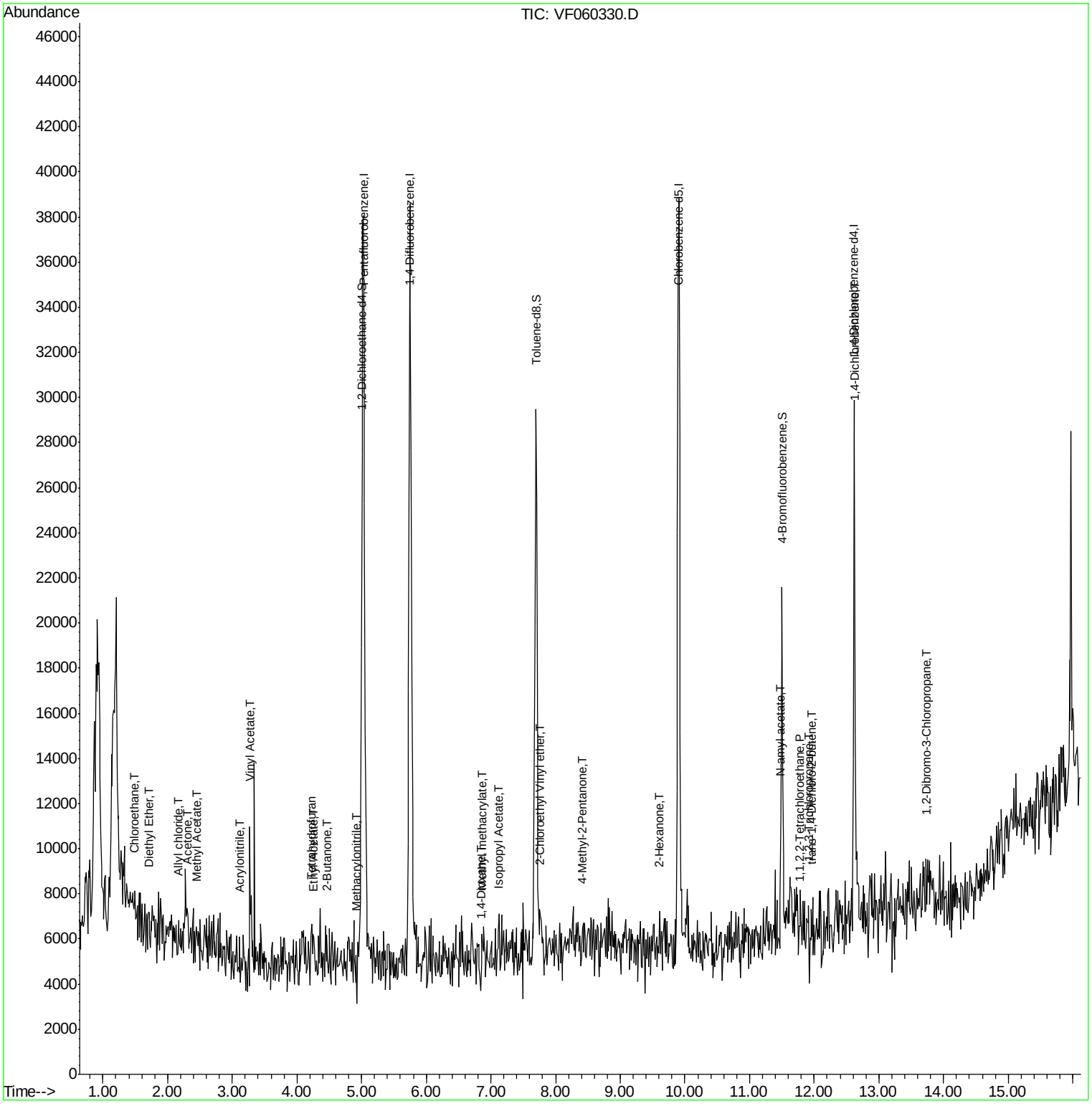
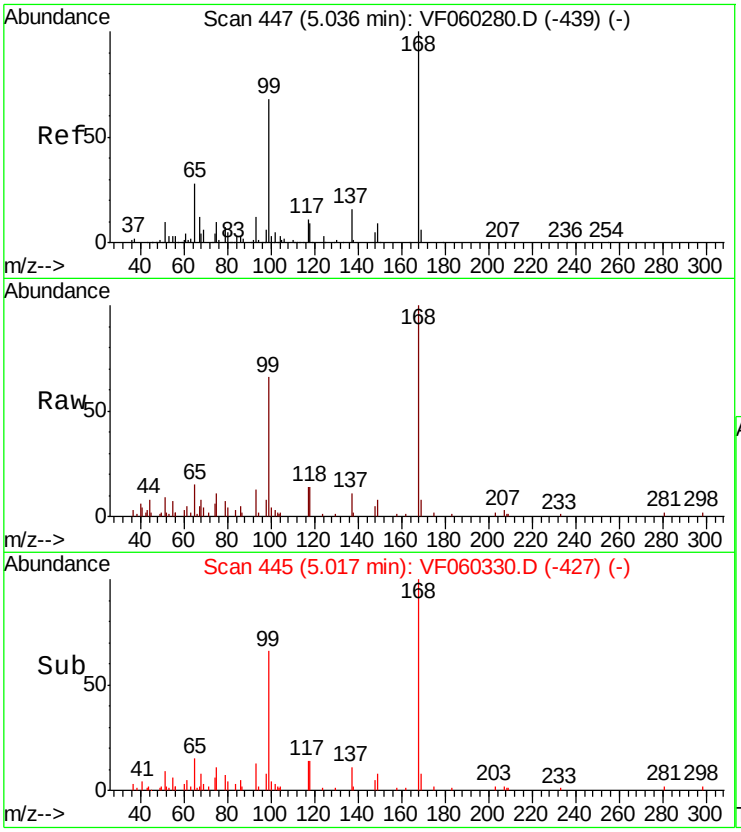
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration



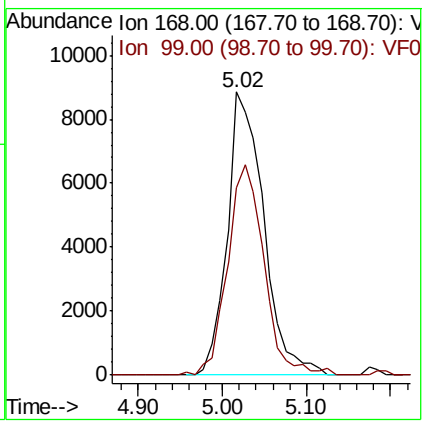


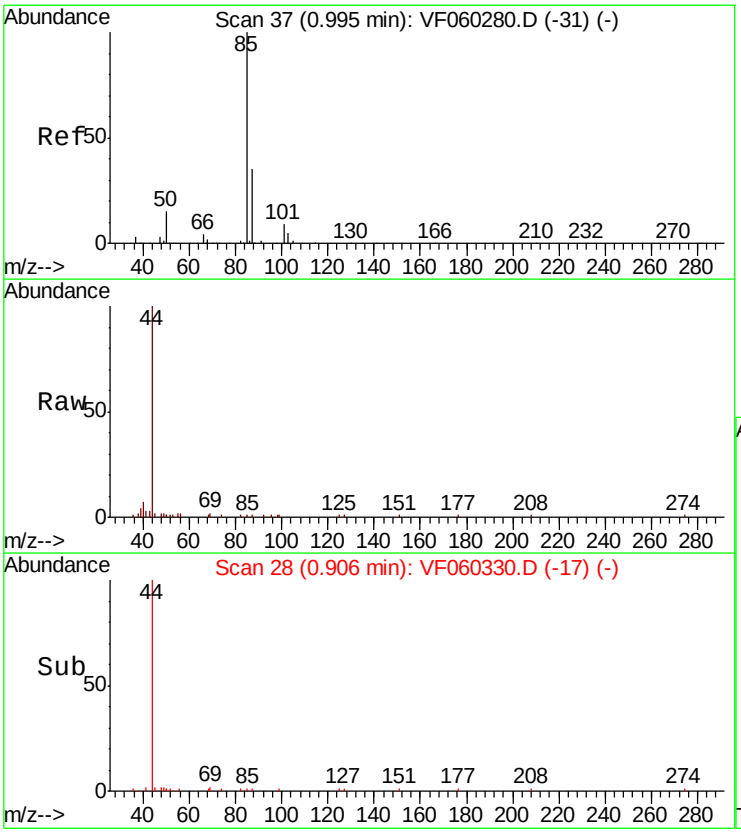
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.02 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion:168 Resp: 26752

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.8	82.2

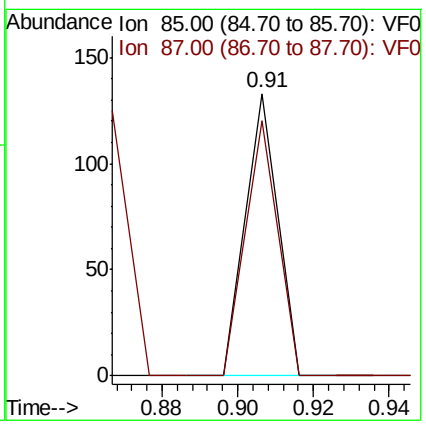


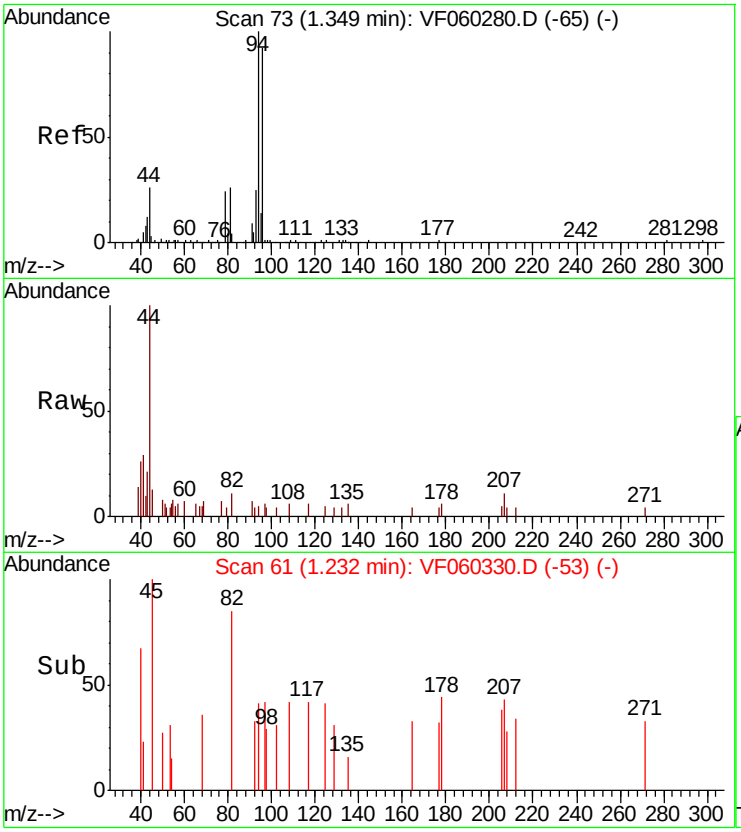


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.91 min Scan# 28
Delta R.T. -0.09 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 85 Resp: 79

Ion	Ratio	Lower	Upper
85	100		
87	90.2	17.3	52.0#



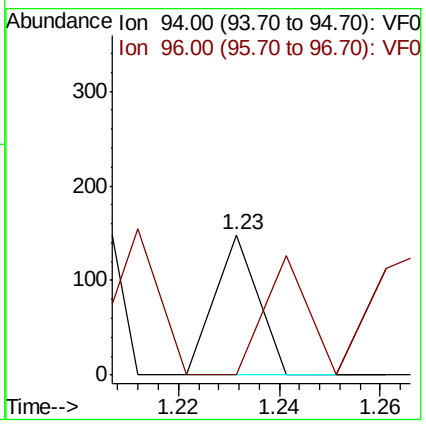


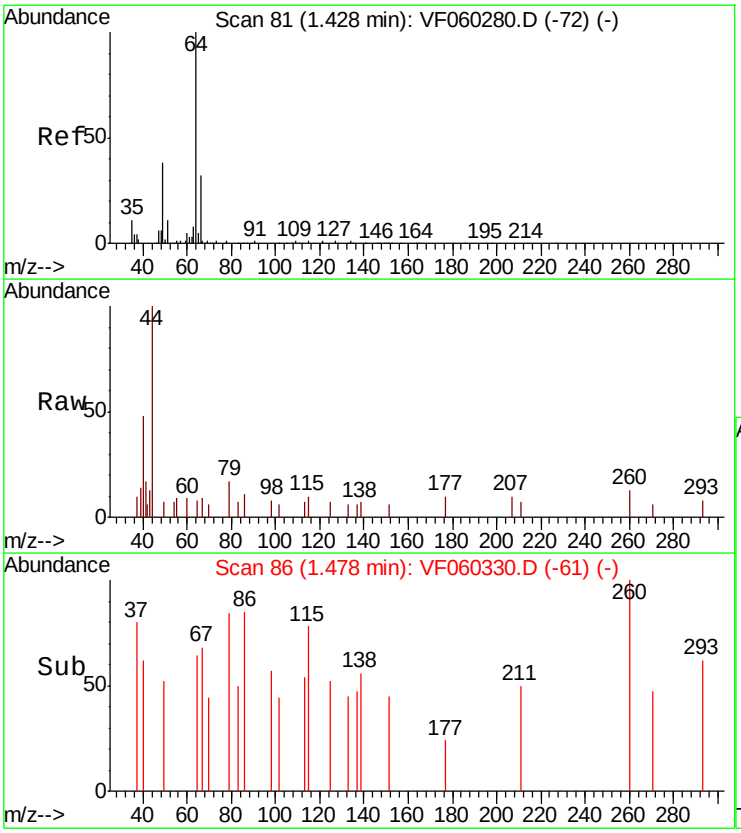
#5
Bromomethane
Concen: Below Cal
RT: 1.23 min Scan# 61
Delta R.T. -0.12 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 94 Resp: 88

Ion	Ratio	Lower	Upper
94	100		
96	101.4	73.9	110.9

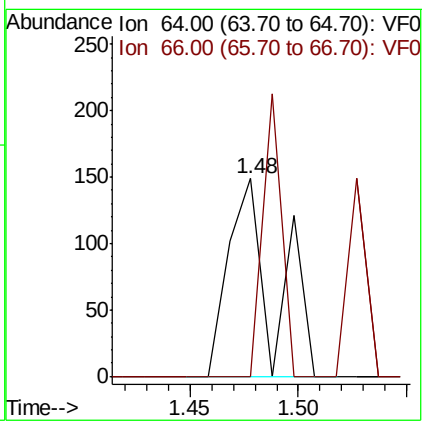


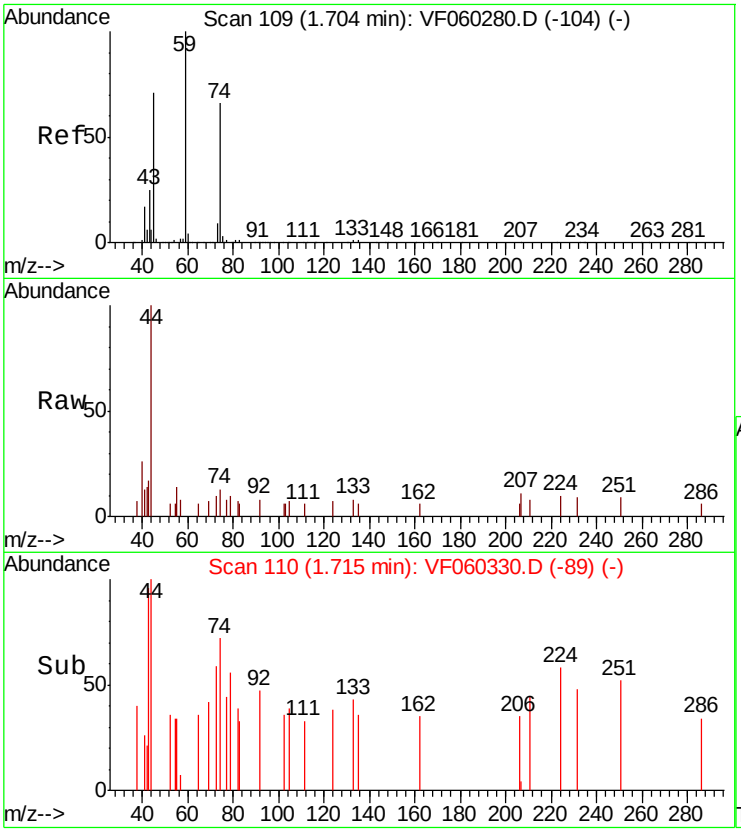


#6
Chloroethane
Concen: 1.243 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.05 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 64 Resp: 220

Ion	Ratio	Lower	Upper
64	100		
66	105.4	26.2	39.2#



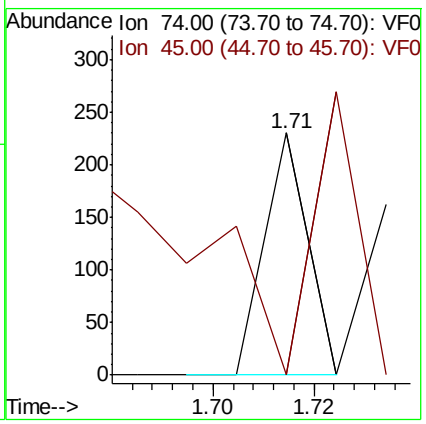


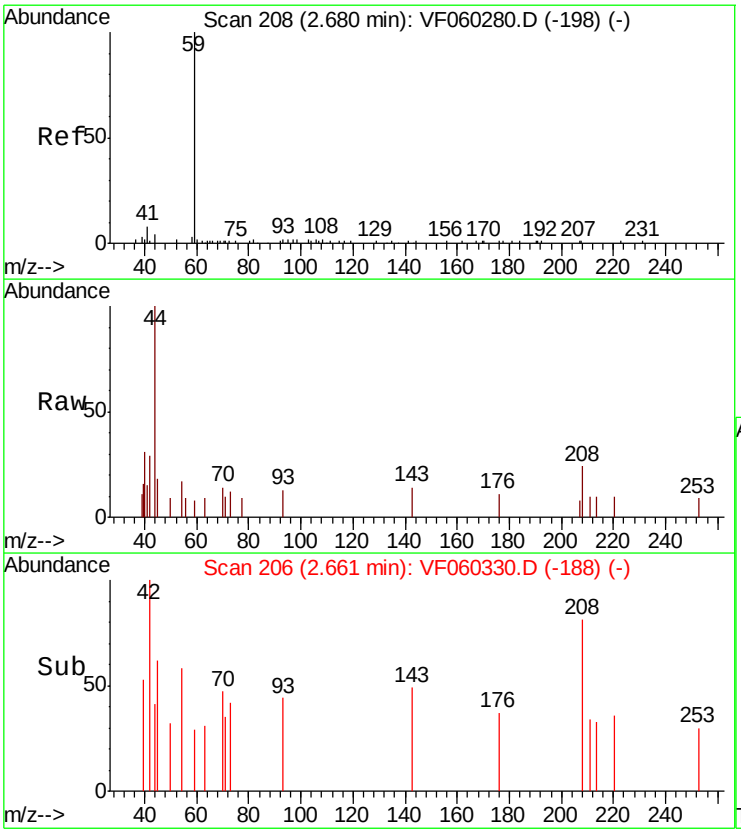
#8
Diethyl Ether
Concen: 1.181 ug/l
RT: 1.71 min Scan# 110
Delta R.T. 0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 74 Resp: 136

Ion	Ratio	Lower	Upper
74	100		
45	0.0	53.9	161.7#

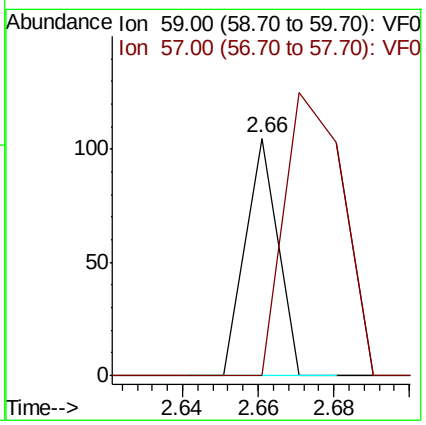


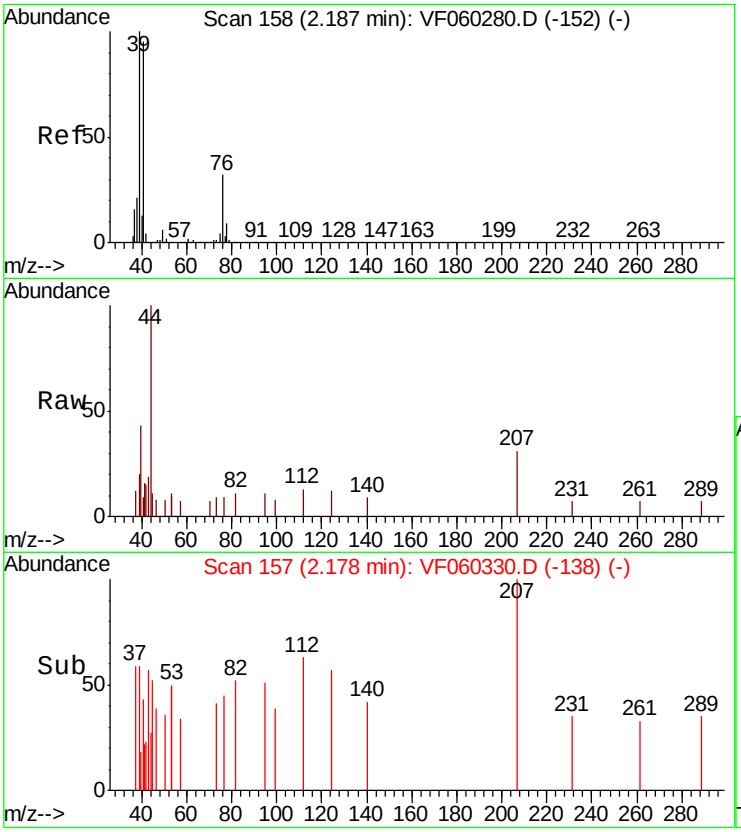


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 59 Resp: 62

Ion	Ratio	Lower	Upper
59	100		
57	0.0	12.4	18.6#



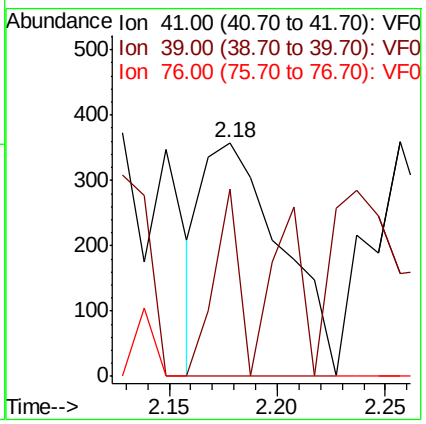


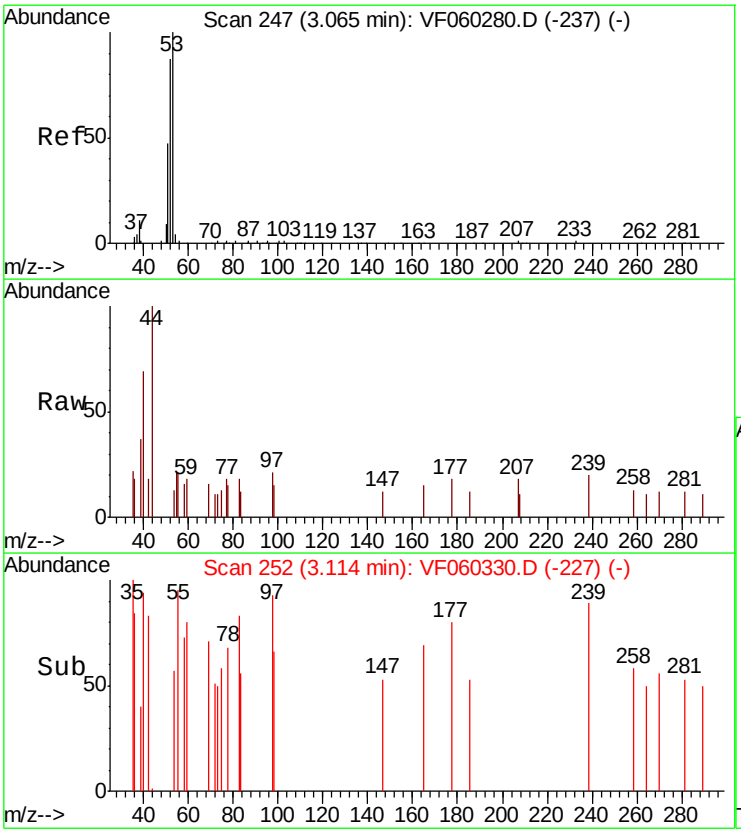
#14
Allyl chloride
Concen: 1.709 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 41 Resp: 908

Ion	Ratio	Lower	Upper
41	100		
39	79.9	84.8	127.2#
76	0.0	27.4	41.2#

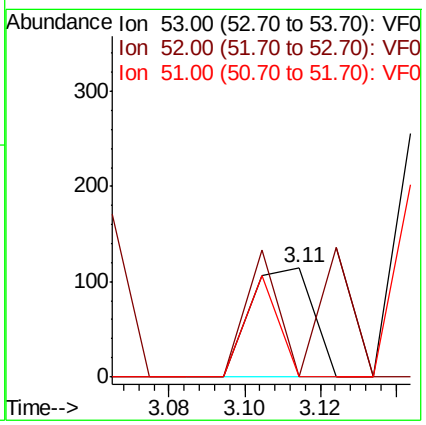


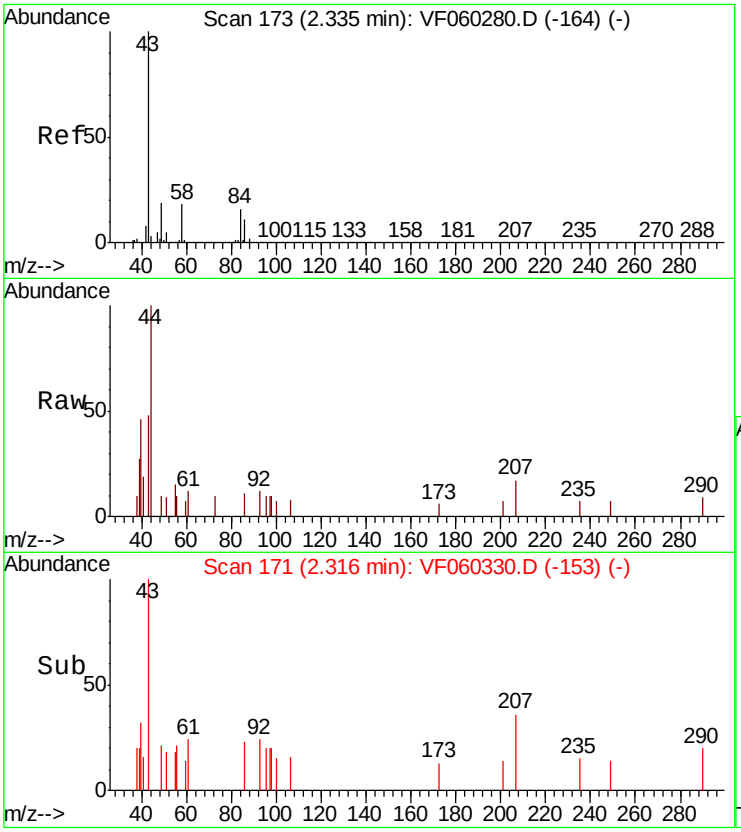


#15
Acrylonitrile
Concen: 2.575 ug/l
RT: 3.11 min Scan# 252
Delta R.T. 0.05 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 53 Resp: 131

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.5	104.3#
51	0.0	38.1	57.1#



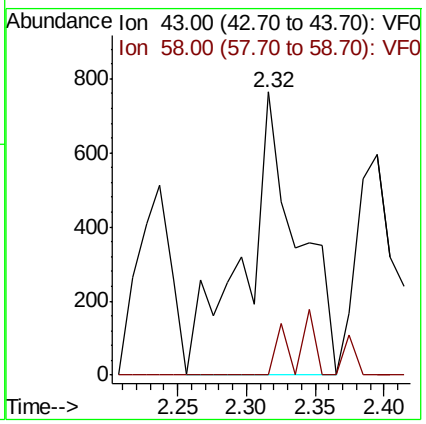


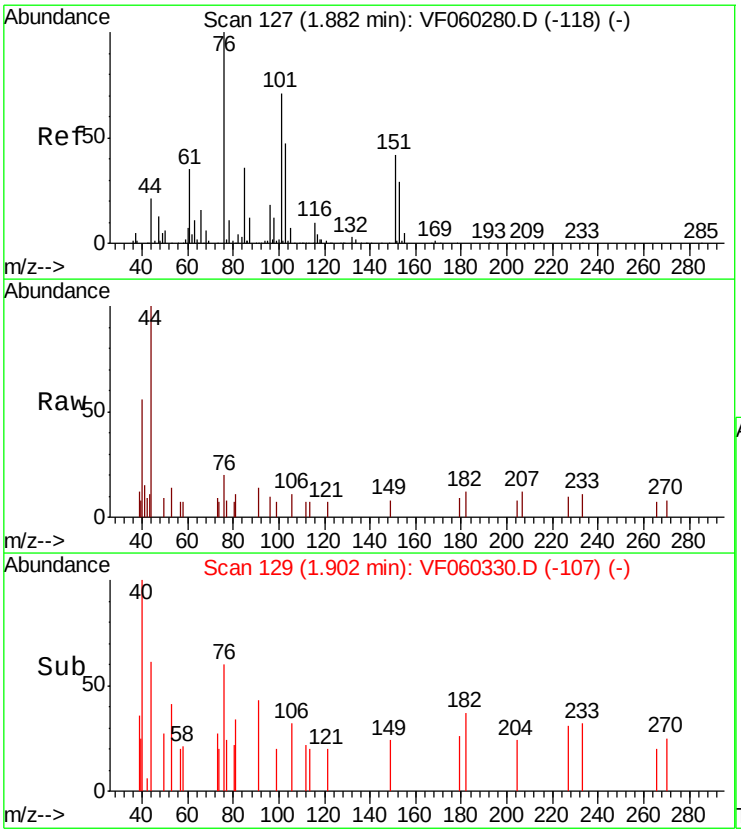
#16
Acetone
Concen: 20.168 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 2046

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.5	21.7#

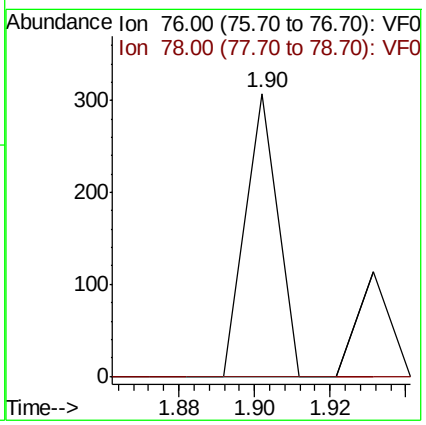


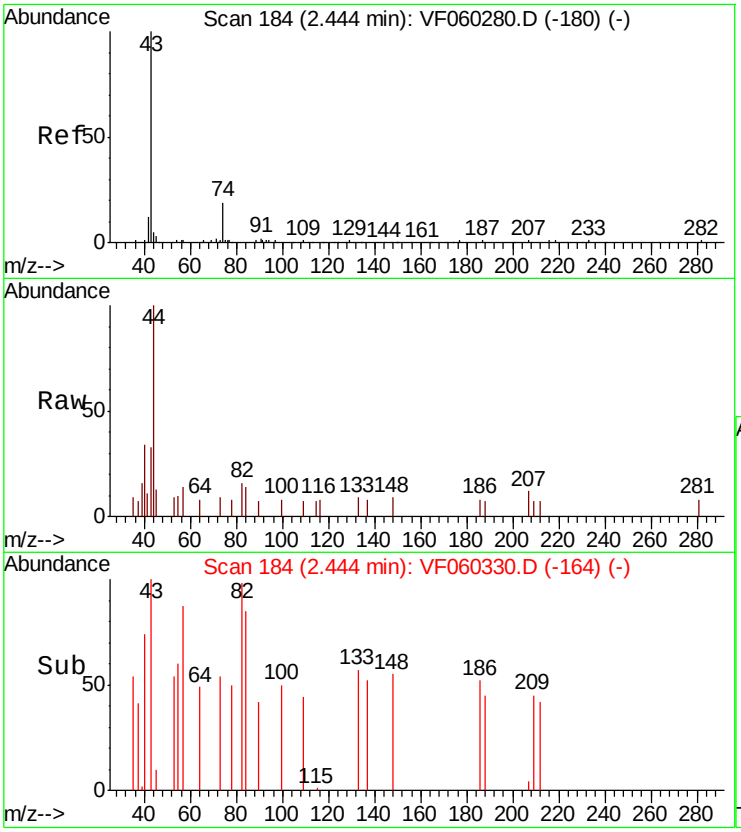


#17
Carbon Disulfide
Concen: Below Cal
RT: 1.90 min Scan# 129
Delta R.T. 0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 76 Resp: 182

Ion	Ratio	Lower	Upper
76	100		
78	0.0	9.4	14.0#



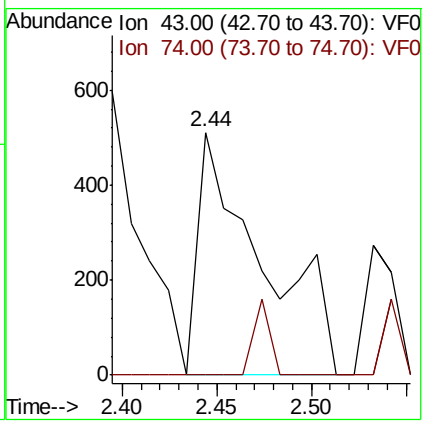


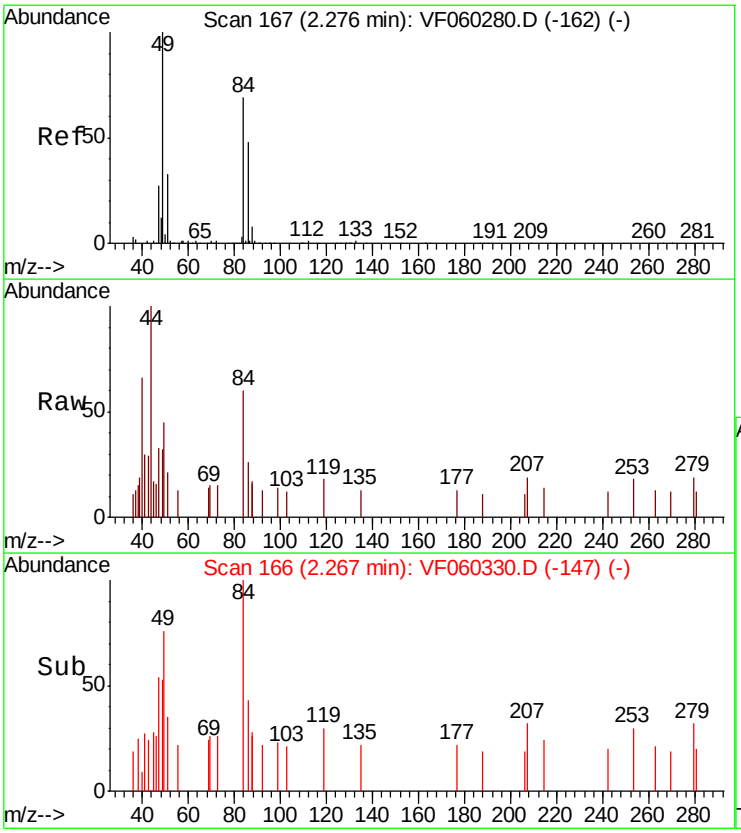
#18
Methyl Acetate
Concen: 7.071 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 43 Resp: 1195

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.7	19.1#

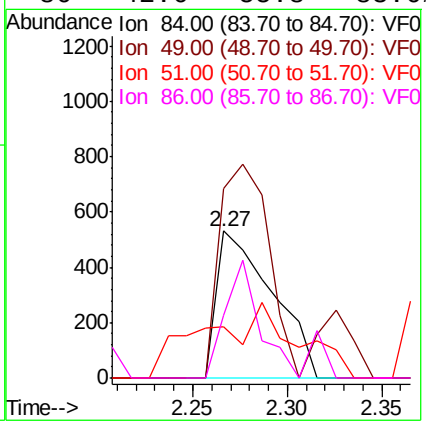


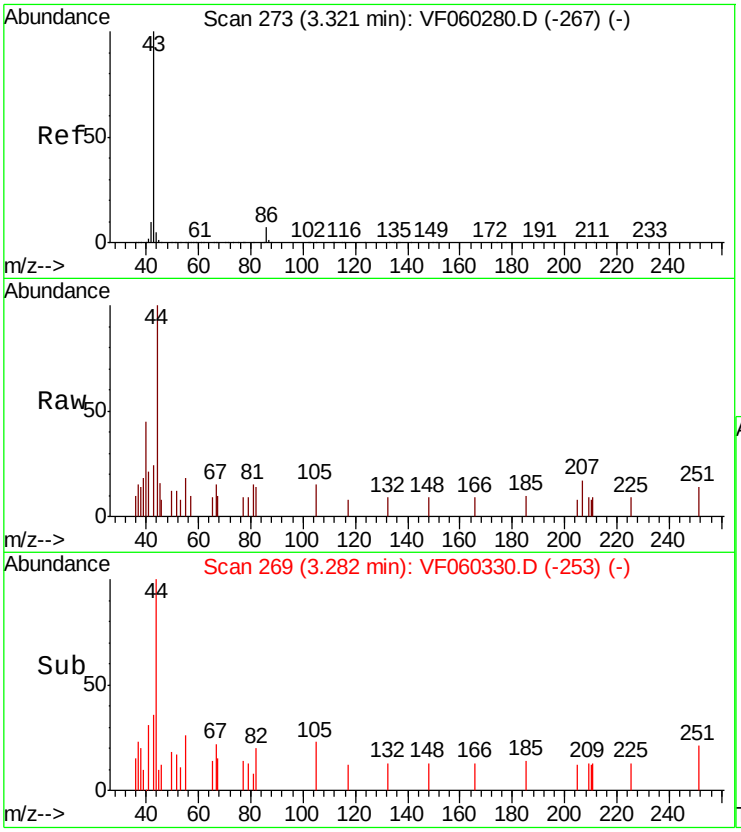


#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 84 Resp: 1080

Ion	Ratio	Lower	Upper
84	100		
49	128.9	118.3	177.5
51	34.5	38.7	58.1#
86	42.6	55.8	83.6#



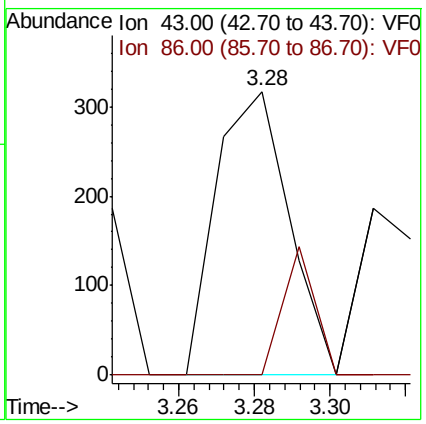


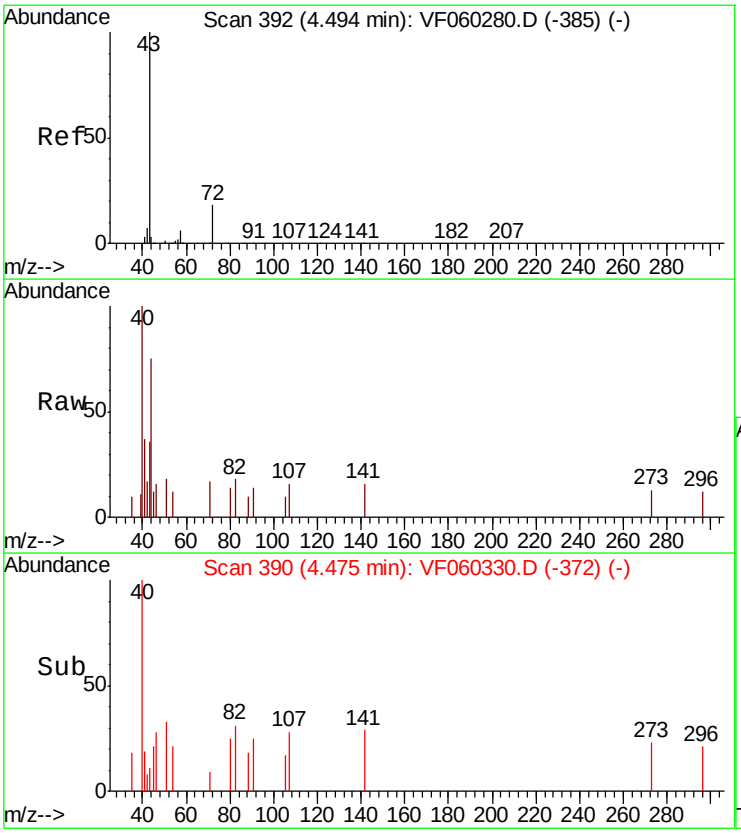
#23
Vinyl Acetate
Concen: 1.069 ug/l
RT: 3.28 min Scan# 269
Delta R.T. -0.04 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 421

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#

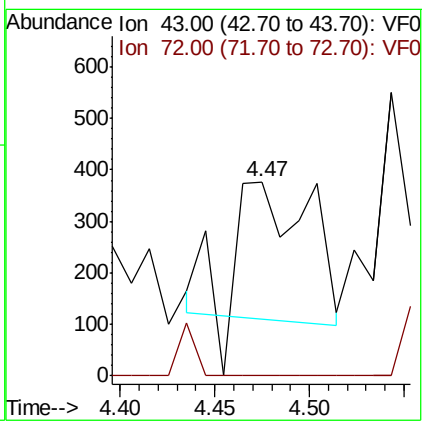


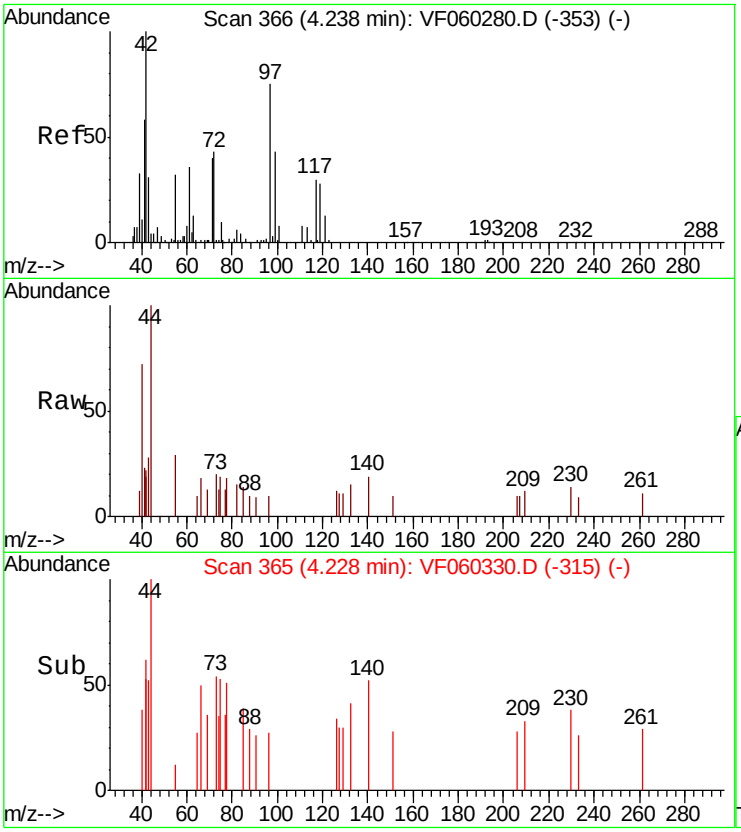


#25
2-Butanone
Concen: 5.288 ug/l
RT: 4.47 min Scan# 390
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 43 Resp: 722

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#



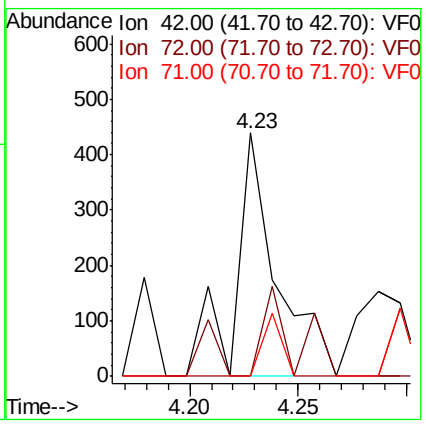


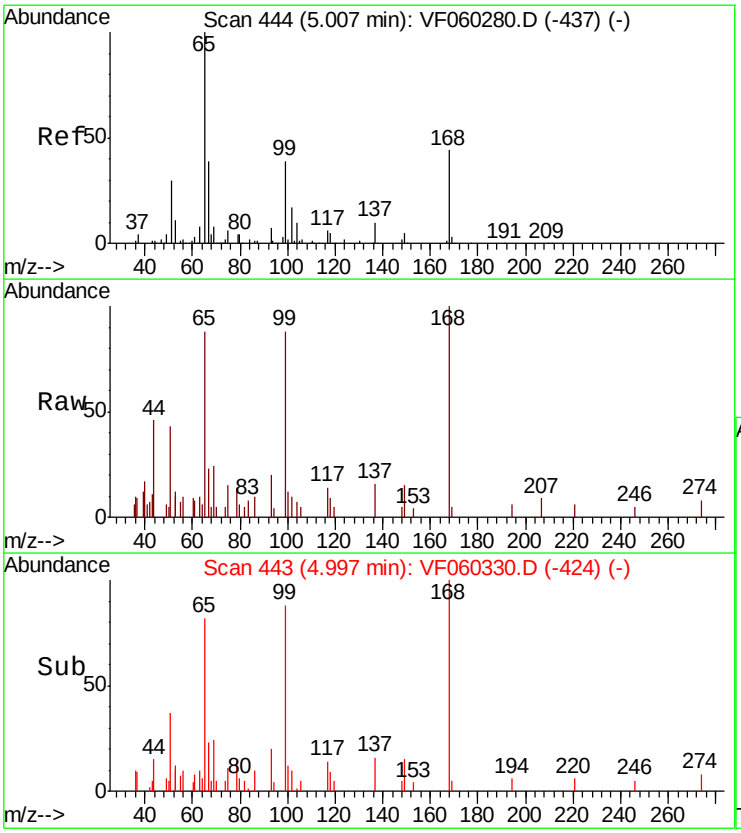
#29
Tetrahydrofuran
Concen: 11.819 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 42 Resp: 591

Ion	Ratio	Lower	Upper
42	100		
72	27.6	32.6	49.0#
71	11.5	32.7	49.1#

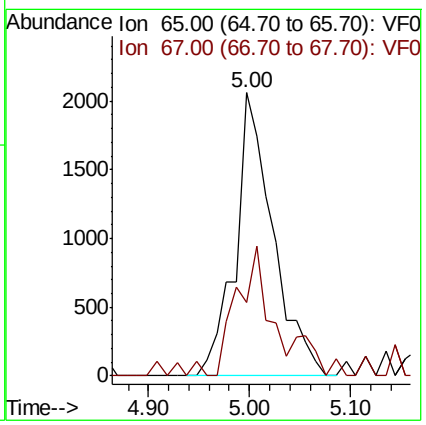


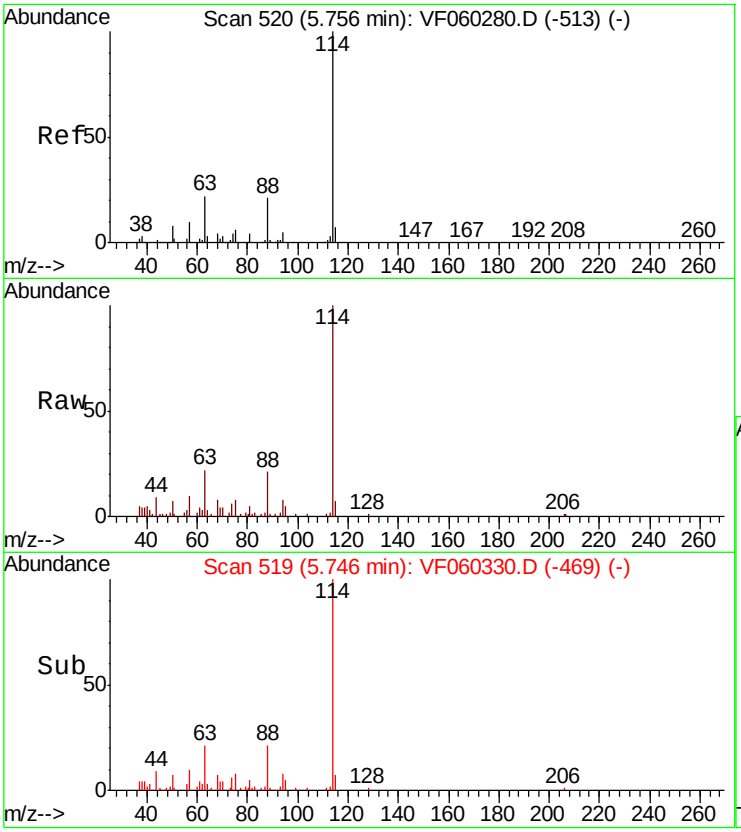


#33
1,2-Dichloroethane-d4
Concen: 14.838 ug/l
RT: 5.00 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 65 Resp: 5345

Ion	Ratio	Lower	Upper
65	100		
67	25.9	0.0	94.4



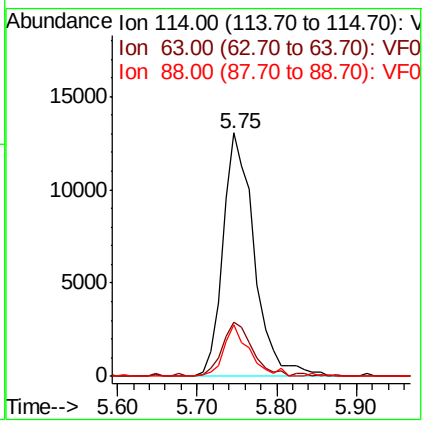


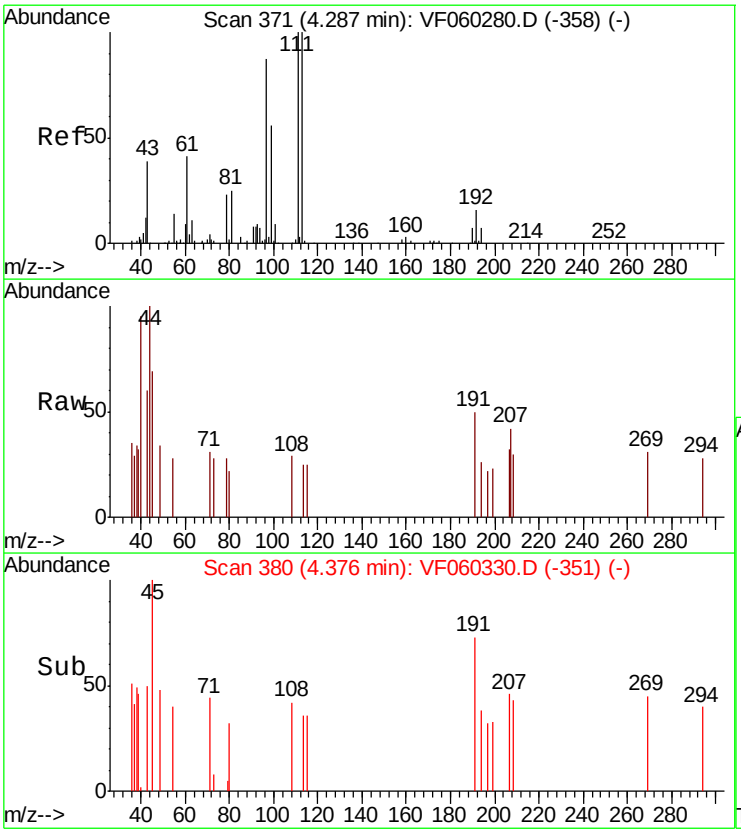
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion:114 Resp: 35846

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	21.4	0.0	41.2

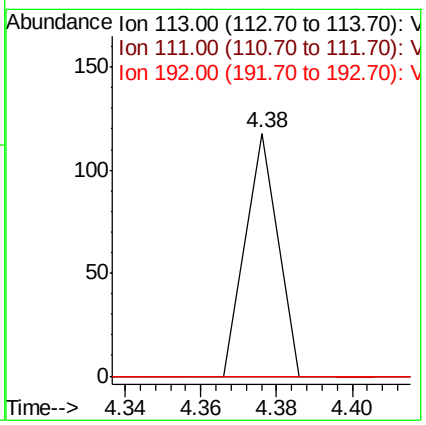


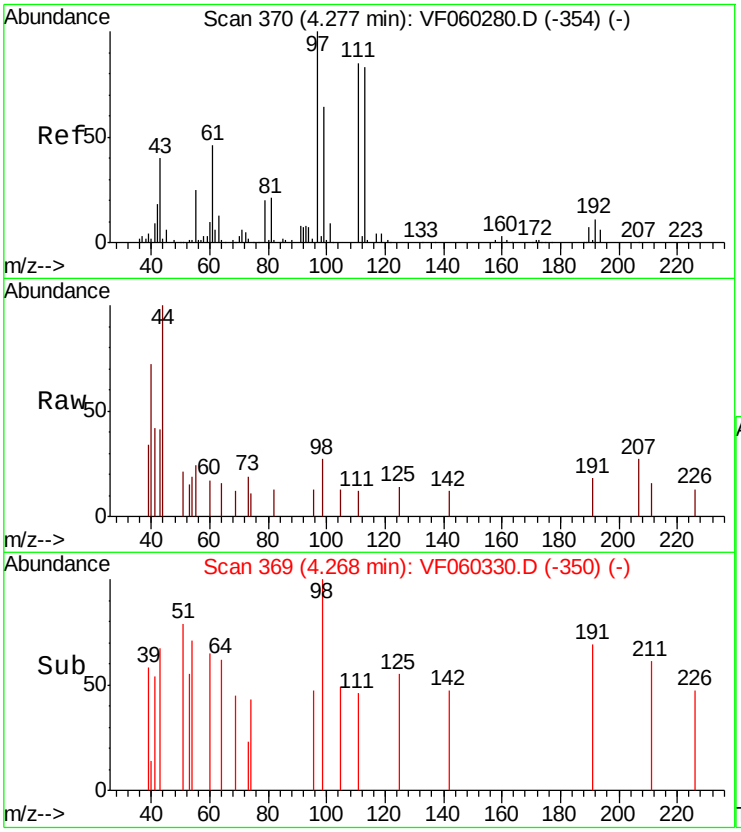


#35
Dibromofluoromethane
Concen: 0.219 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.09 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion:113 Resp: 70

Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.6	119.4#
192	0.0	13.0	19.6#



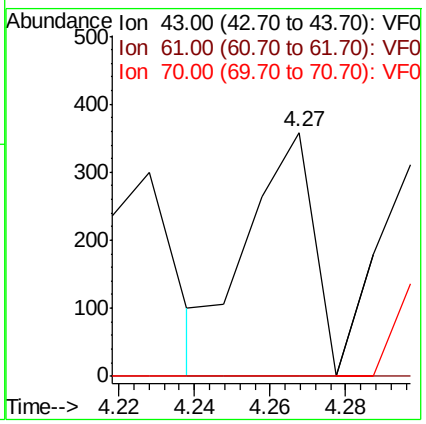


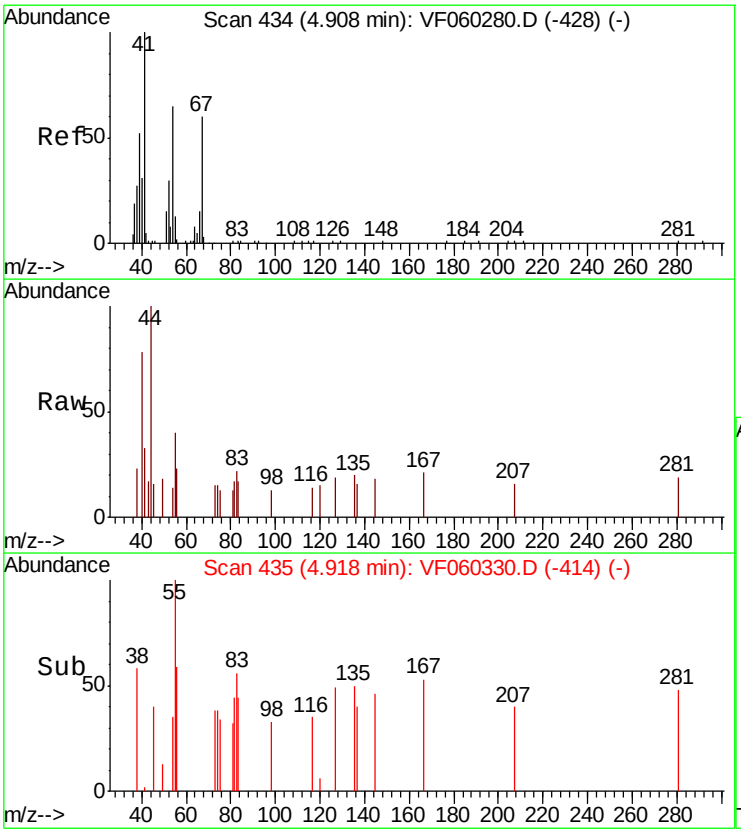
#37
Ethyl Acetate
Concen: 2.268 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 429

Ion	Ratio	Lower	Upper
43	100		
61	0.0	91.1	136.7#
70	0.0	6.9	10.3#

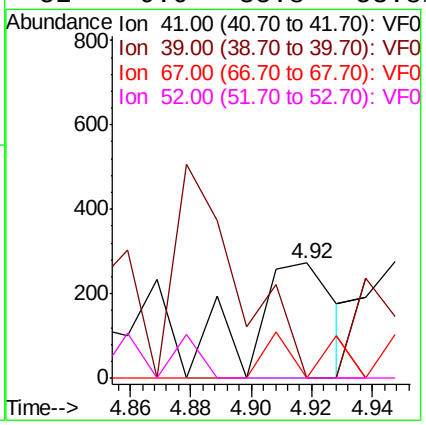


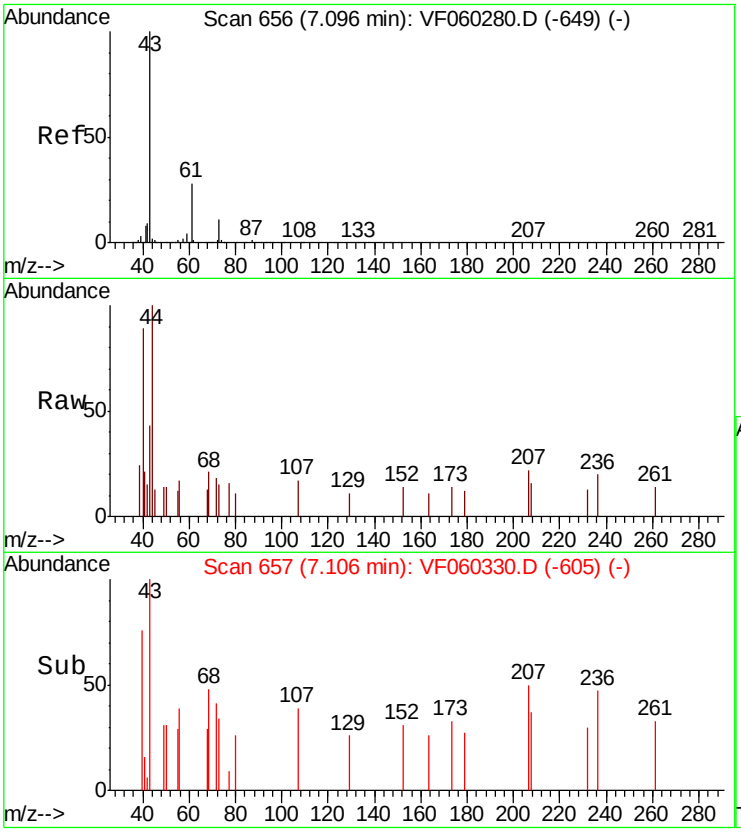


#41
Methacrylonitrile
Concen: 5.163 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 41 Resp: 530

Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.1	73.7#
67	0.0	48.2	72.4#
52	0.0	35.8	53.8#



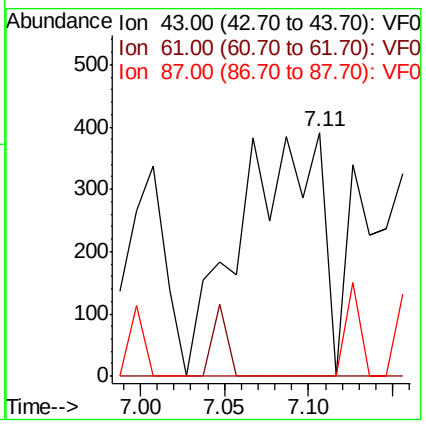


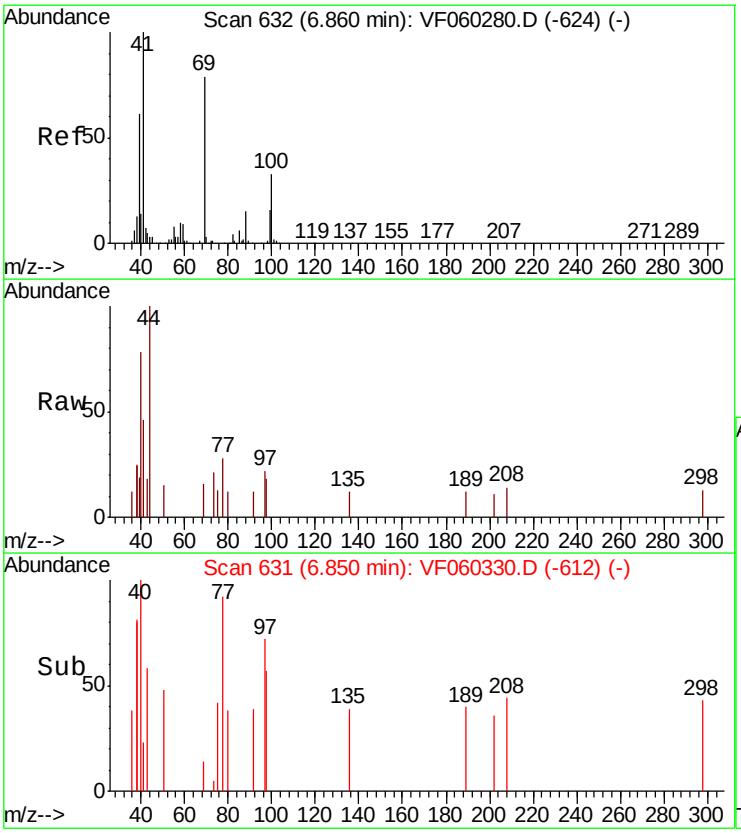
#43
Isopropyl Acetate
Concen: 5.695 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 1297

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	0.0	0.6	0.8#

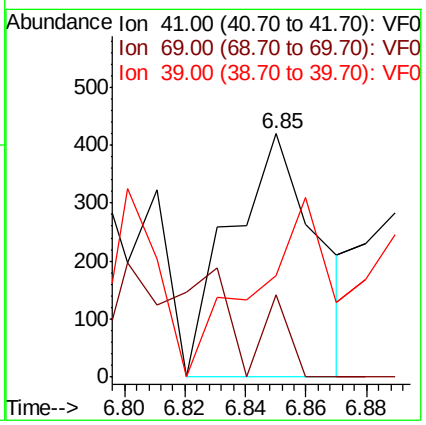


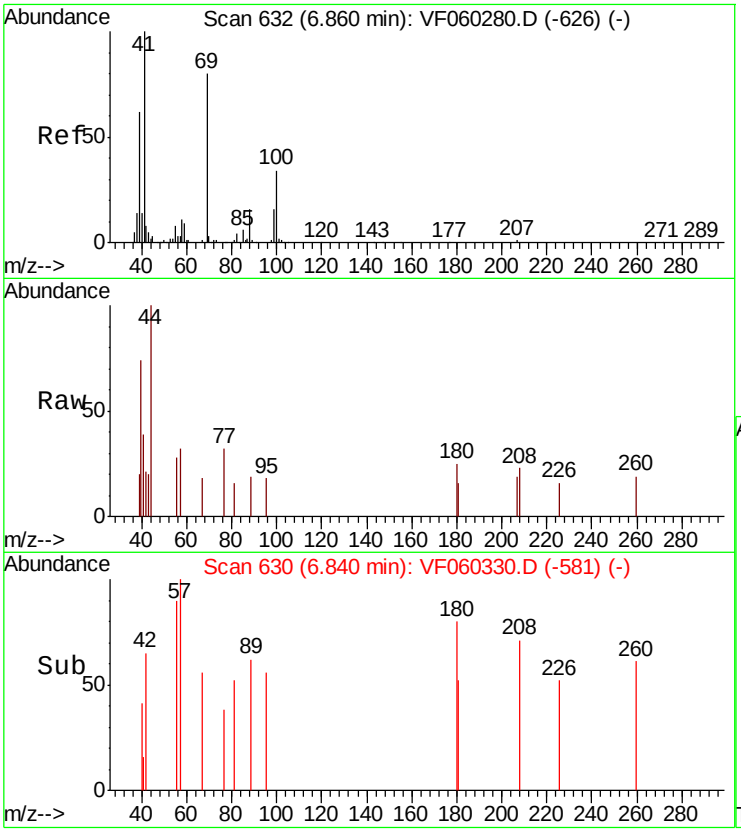


#48
Methyl methacrylate
Concen: 5.223 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 41 Resp: 835

Ion	Ratio	Lower	Upper
41	100		
69	33.8	62.6	94.0#
39	41.4	49.1	73.7#



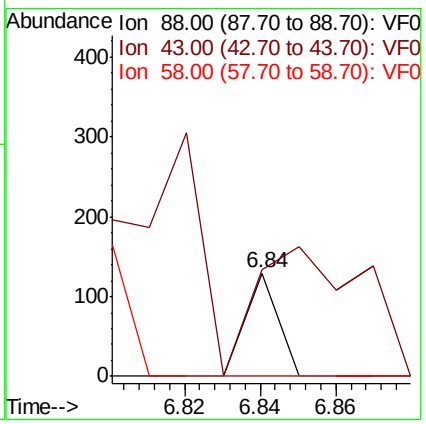


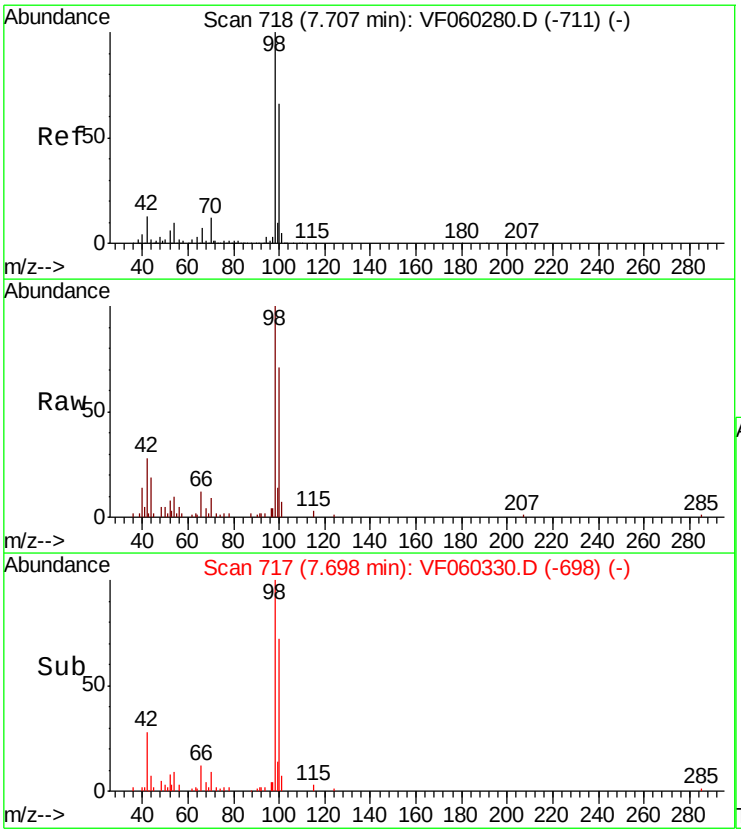
#49
1,4-Dioxane
Concen: 53.207 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 88 Resp: 76

Ion	Ratio	Lower	Upper
88	100		
43	103.1	40.2	60.4#
58	0.0	56.7	85.1#

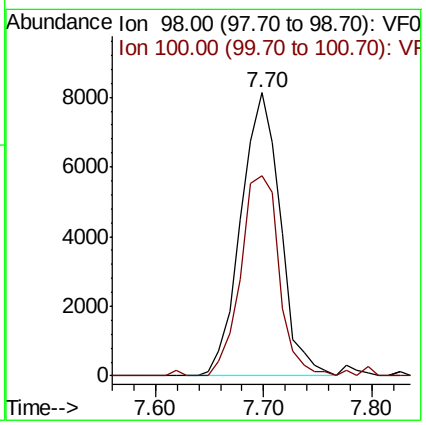


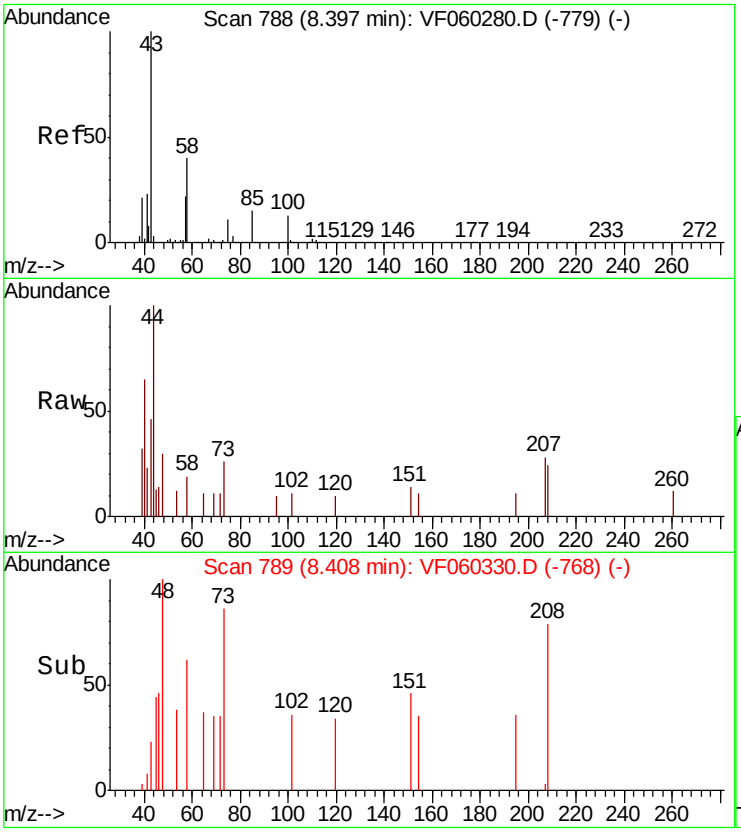


#50
Toluene-d8
Concen: 24.909 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 98 Resp: 20728

Ion	Ratio	Lower	Upper
98	100		
100	70.7	53.0	79.6



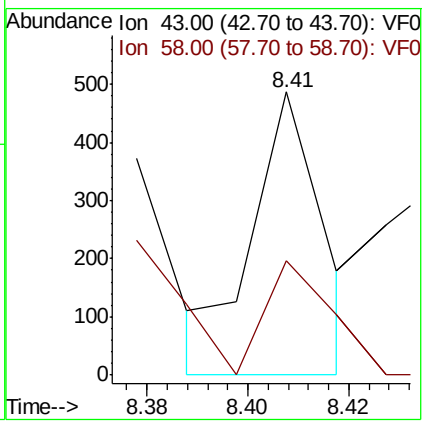


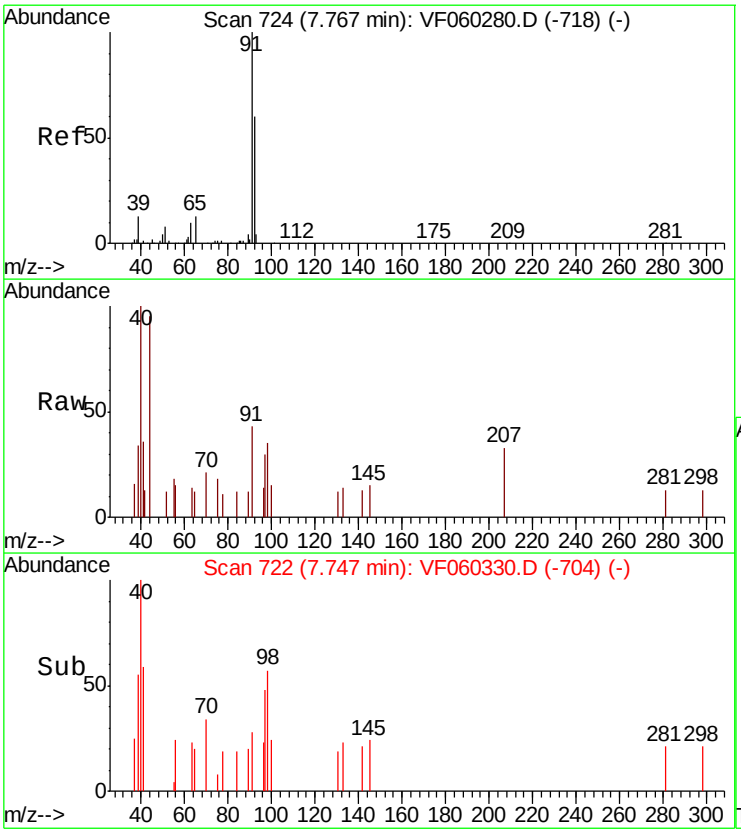
#51
4-Methyl-2-Pentanone
Concen: 2.672 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 469

Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.8	47.8

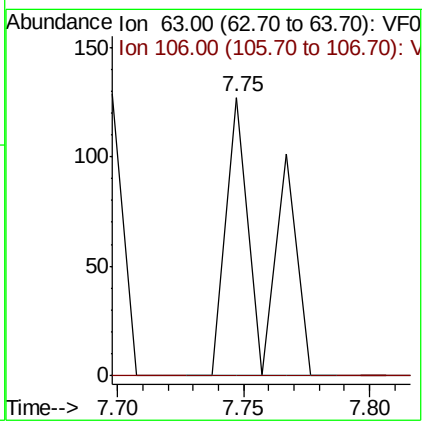


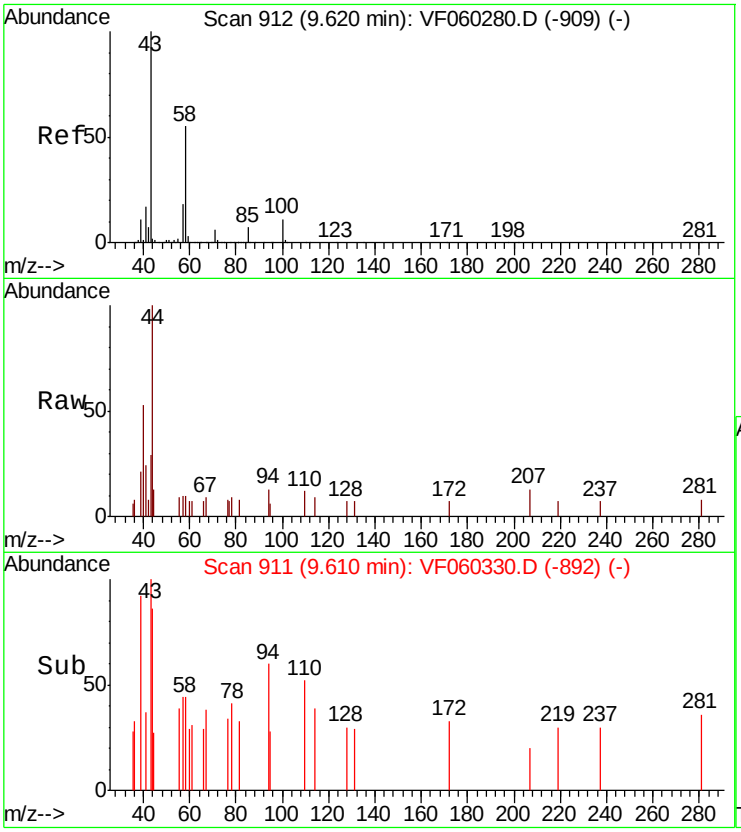


#58
2-Chloroethyl Vinyl ether
Concen: 6.495 ug/l
RT: 7.75 min Scan# 722
Delta R.T. -0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 63 Resp: 135

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



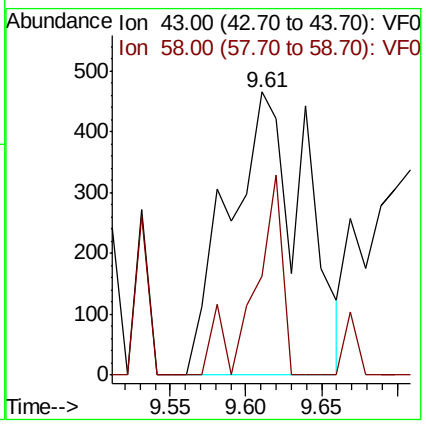


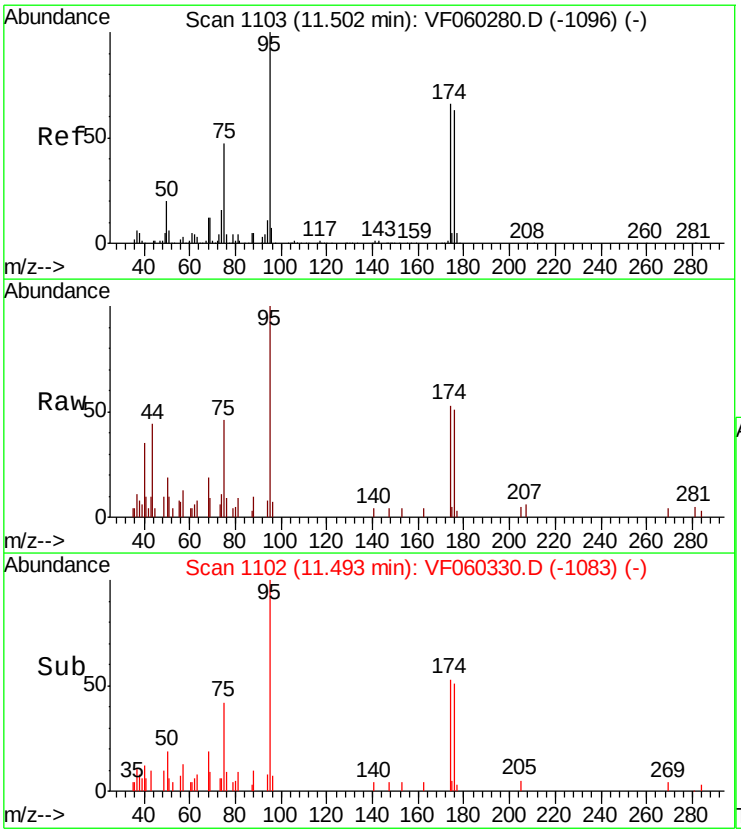
#59
2-Hexanone
Concen: 13.057 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 43 Resp: 1632

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.9	77.6

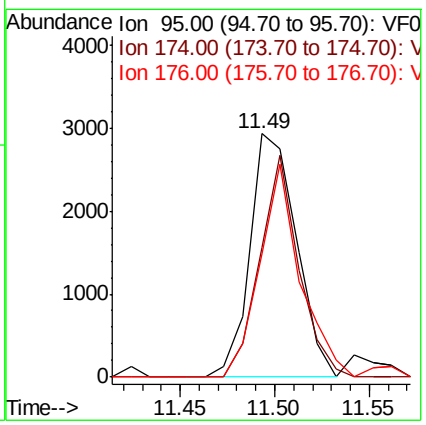


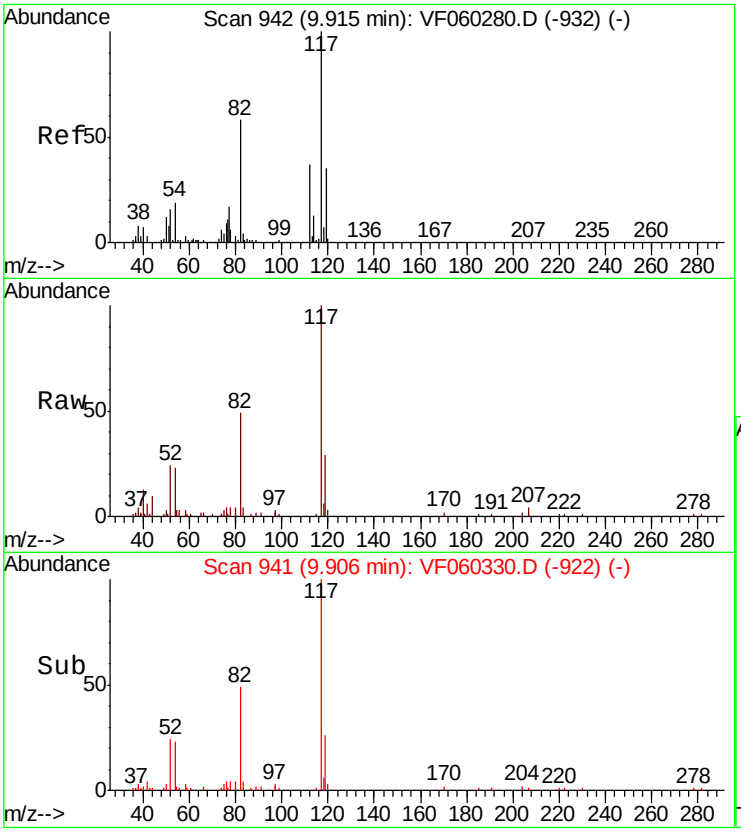


#62
4-Bromofluorobenzene
Concen: 13.914 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 95 Resp: 5005

Ion	Ratio	Lower	Upper
95	100		
174	53.3	0.0	131.2
176	50.8	0.0	126.6



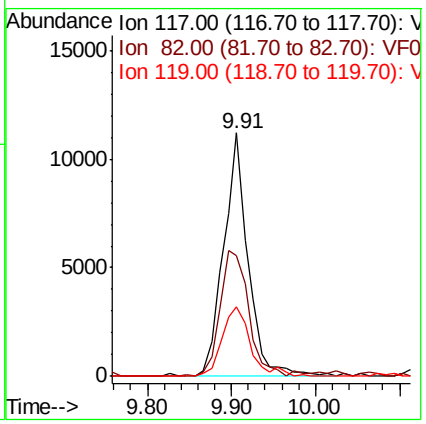


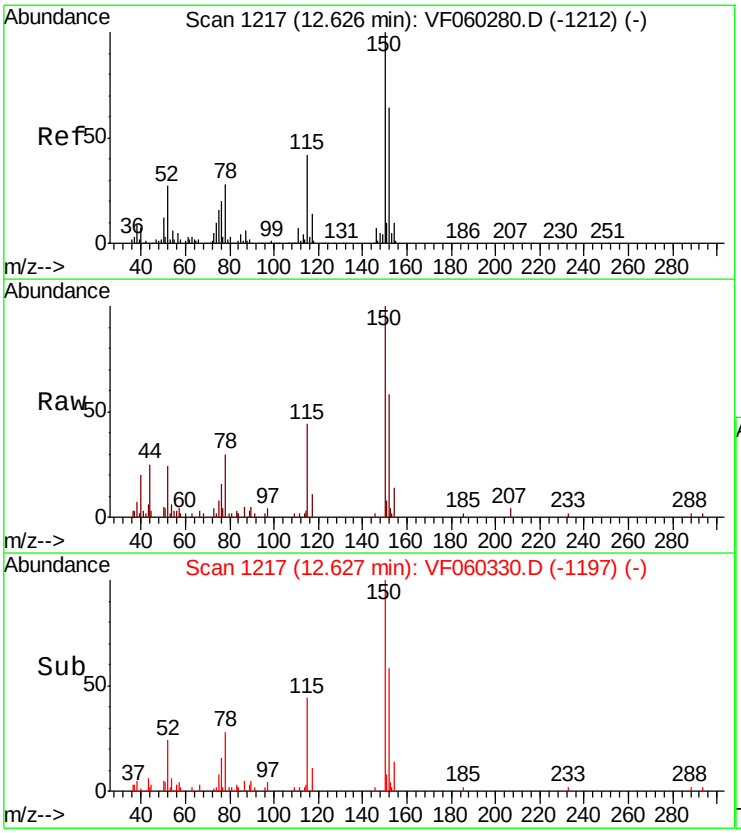
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion:117 Resp: 22627

Ion	Ratio	Lower	Upper
117	100		
82	49.4	46.2	69.2
119	28.6	27.8	41.6

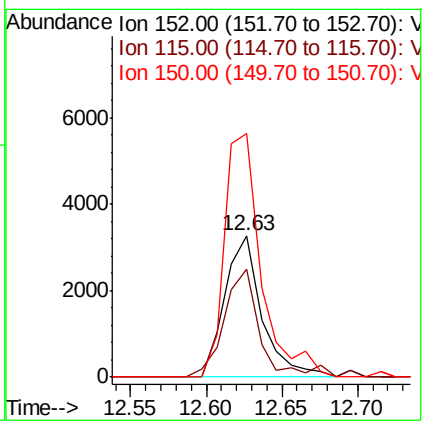


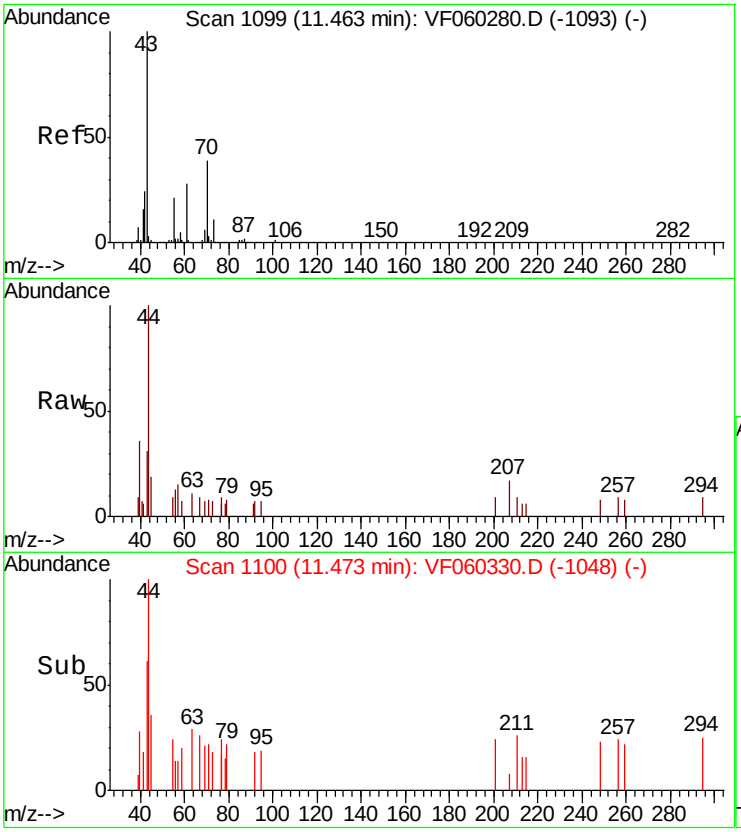


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion:152 Resp: 5588

Ion	Ratio	Lower	Upper
152	100		
115	76.4	32.6	97.8
150	172.3	0.0	314.2



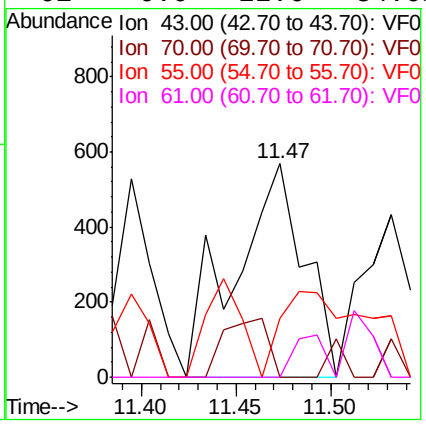


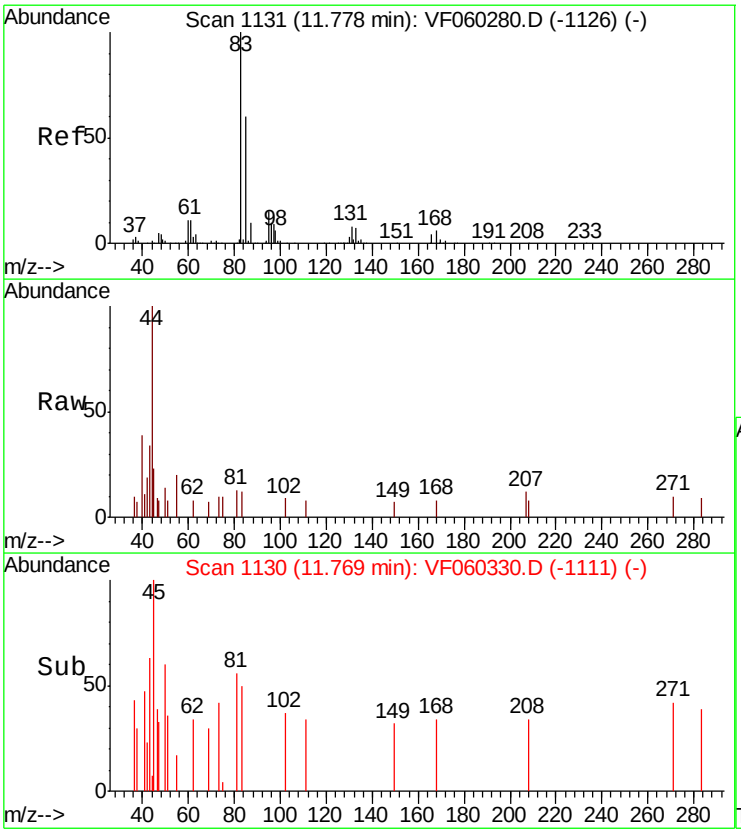
#74
N-amyl acetate
Concen: 13.564 ug/l
RT: 11.47 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 43 Resp: 1451

Ion	Ratio	Lower	Upper
43	100		
70	25.7	31.4	47.2#
55	27.8	16.8	25.2#
61	0.0	22.6	34.0#

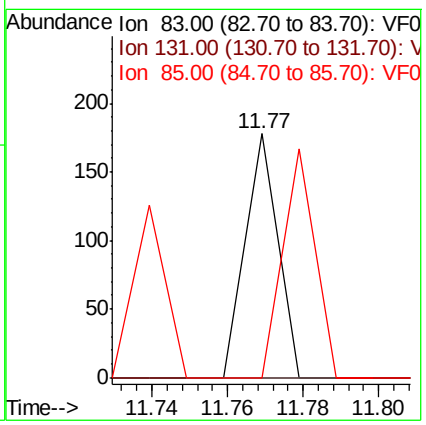


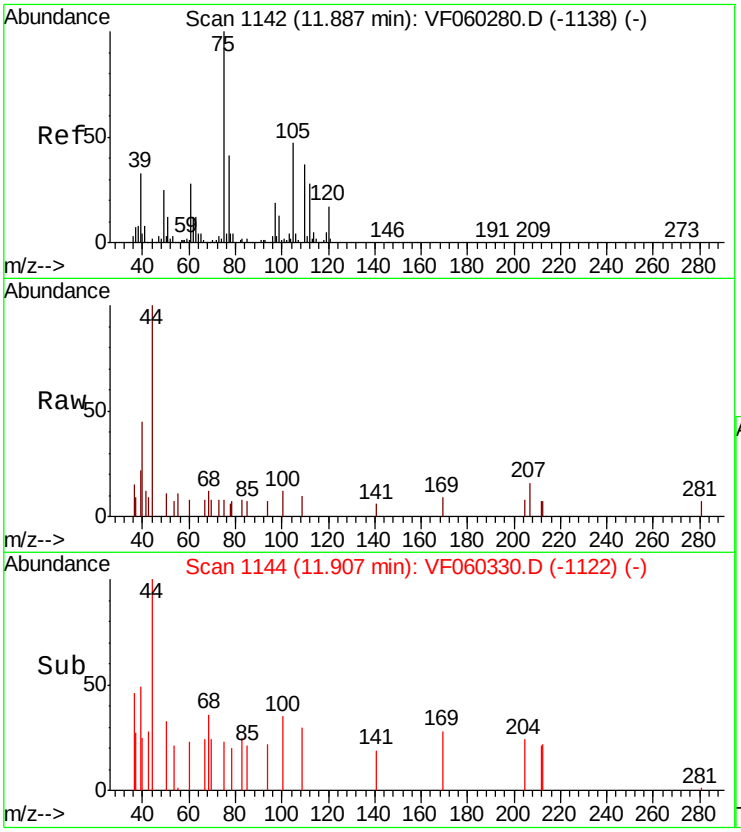


#75
1,1,2,2-Tetrachloroethane
Concen: 1.181 ug/l
RT: 11.77 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 83 Resp: 105

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.2	12.4#
85	0.0	30.1	90.5#



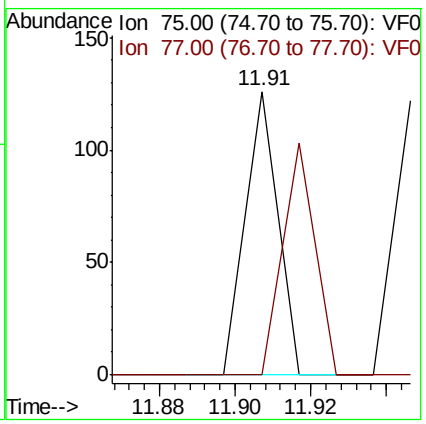


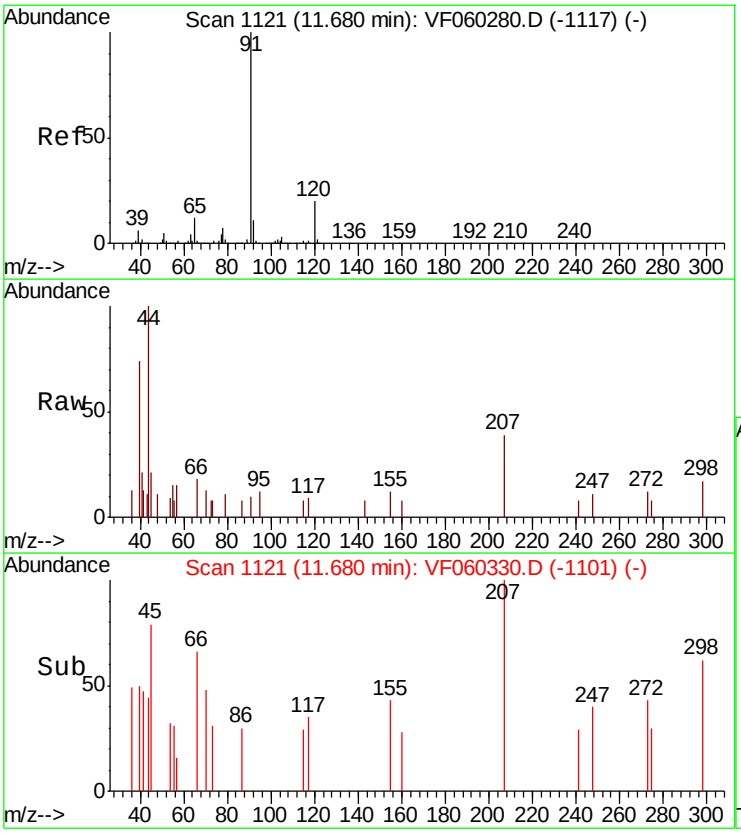
#76
1,2,3-Trichloropropane
Concen: 1.178 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 75 Resp: 75

Ion	Ratio	Lower	Upper
75	100		
77	0.0	20.5	61.5#

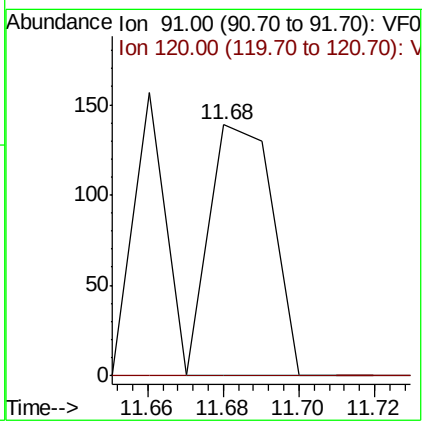


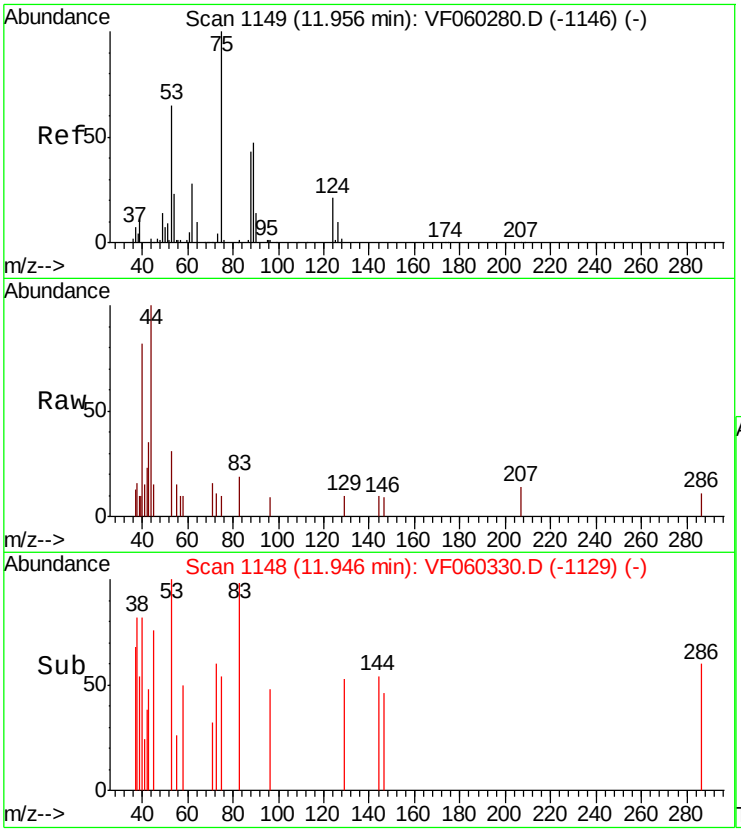


#78
n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion: 91 Resp: 159

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#



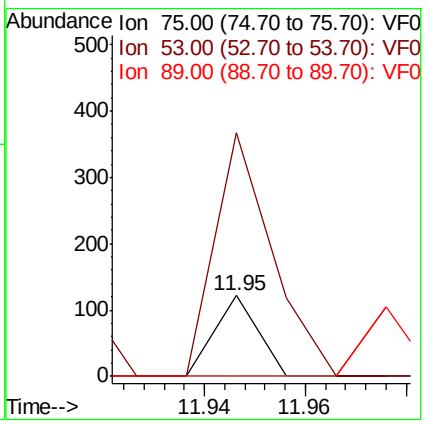


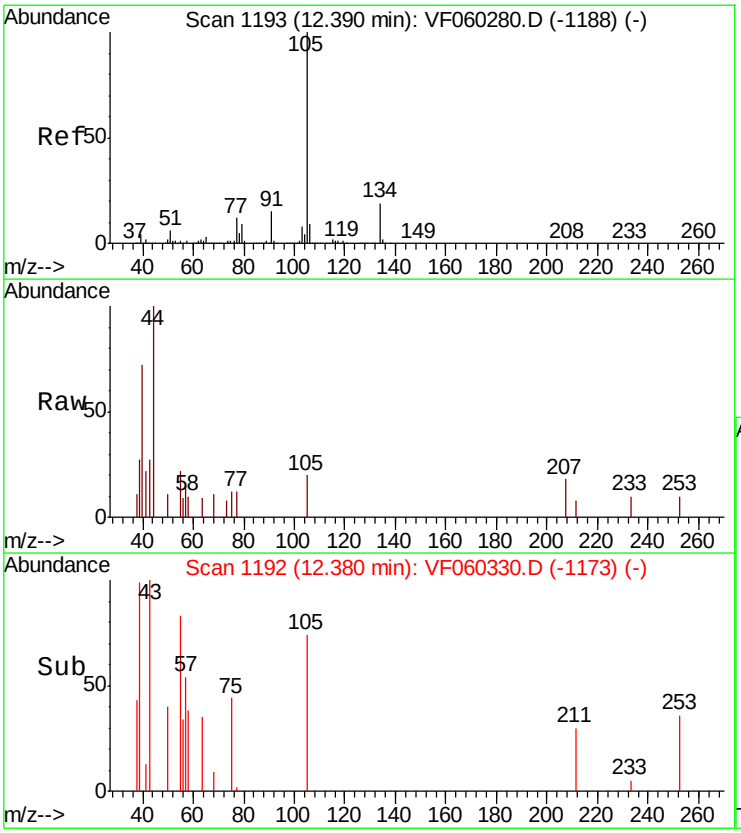
#81
trans-1,4-Dichloro-2-butene
Concen: 2.140 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion: 75 Resp: 72

Ion	Ratio	Lower	Upper
75	100		
53	300.8	56.5	84.7#
89	0.0	40.6	60.8#

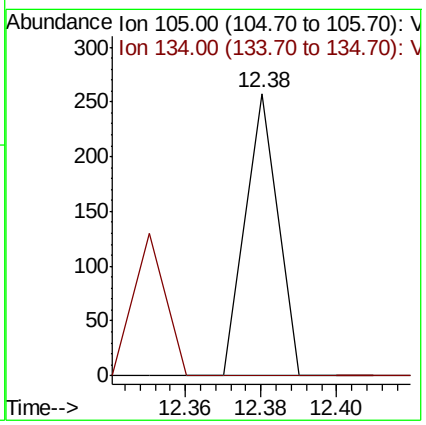


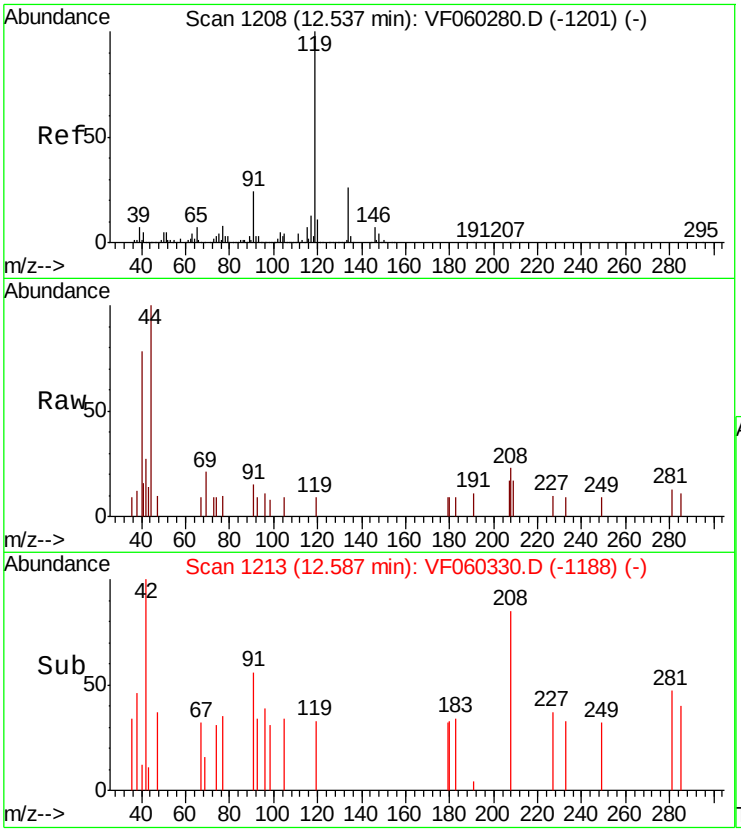


#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.38 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion:105 Resp: 153

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.6	28.6#



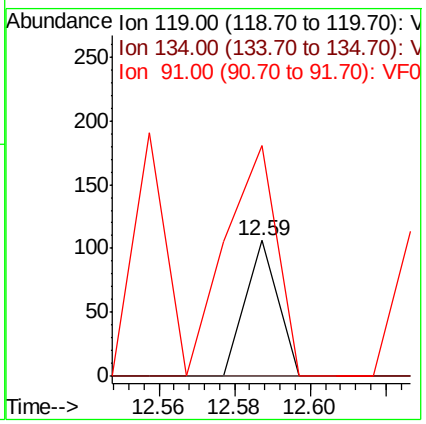


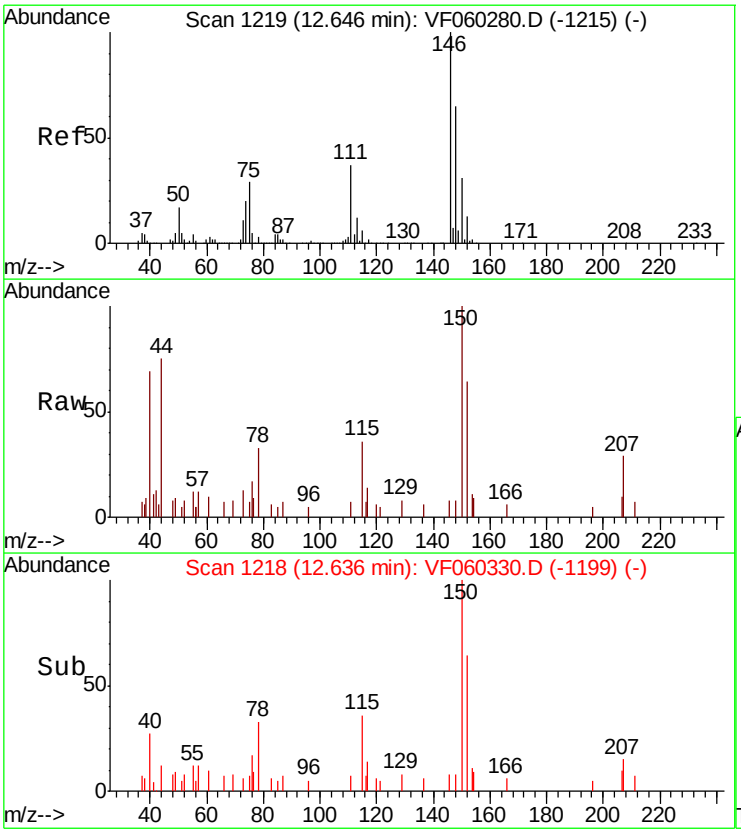
#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.59 min Scan# 1213
Delta R.T. 0.05 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument : MSVOA_F
ClientSampleId : 230-KV-C

Tgt Ion:119 Resp: 63

Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.9	38.7#
91	170.8	11.9	35.7#

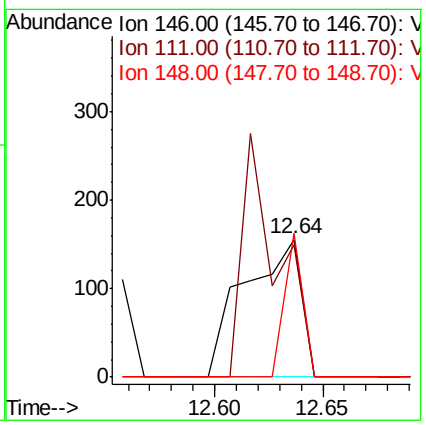


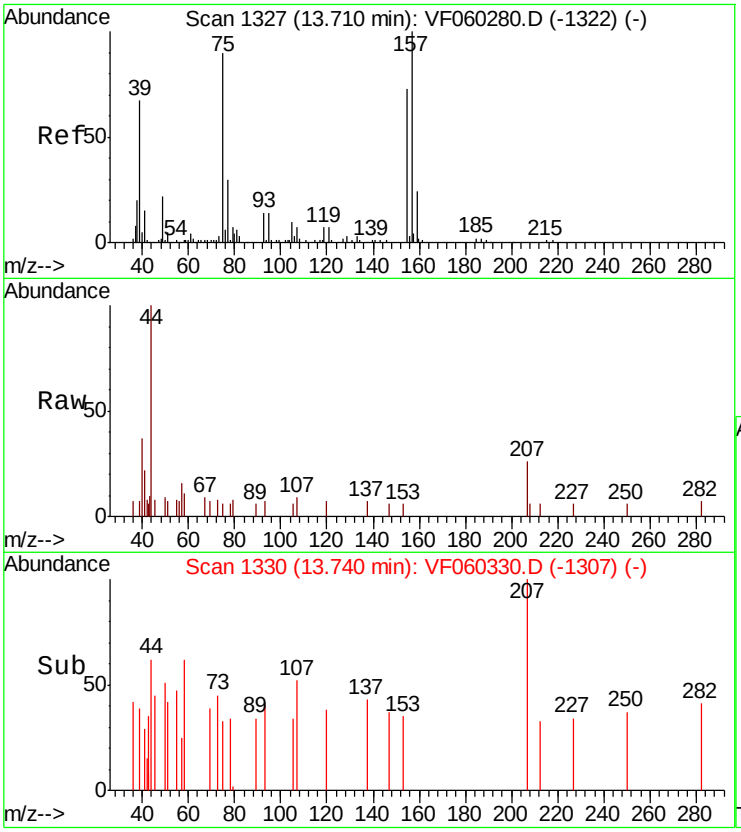


#88
1,4-Dichlorobenzene
Concen: 1.432 ug/l
RT: 12.64 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Tgt Ion:146 Resp: 286

Ion	Ratio	Lower	Upper
146	100		
111	96.2	18.7	56.1#
148	104.5	32.4	97.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: 3.595 ug/l
RT: 13.74 min Scan# 1330
Delta R.T. 0.03 min
Lab File: VF060330.D
Acq: 25 Sep 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
230-KV-C

Tgt Ion: 75 Resp: 60

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.9	125.7#
157	0.0	57.4	172.0#