Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011419\
Data File : VF061394.D
Acq On : 14 Jan 2019 17:32
Operator : VA/AP
Sample : K1139-03
Misc : 3.78g/5mL/MSVOA-F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Jan 14 21:42:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	32235	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	49832	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	14767	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	1508	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	31753	88.50	ug/l	-0.02
Spiked Amount 50.000			Recovery = 177.00%			
35) Dibromofluoromethane	4.10	113	40977	107.47	ug/l	-0.01
Spiked Amount 50.000			Recovery = 214.94%			
50) Toluene-d8	7.54	98	33516	29.70	ug/l	-0.02
Spiked Amount 50.000			Recovery = 59.40%			
62) 4-Bromofluorobenzene	11.40	95	3399	6.90	ug/l	-0.01
Spiked Amount 50.000			Recovery = 13.80%			
Target Compounds						Qvalue
5) Bromomethane	1.26	94	466	3.974	ug/l #	6
11) Tert butyl alcohol	2.59	59	88	6.126	ug/l #	58
13) Acrolein	1.90	56	541	14.684	ug/l	99
15) Acrylonitrile	2.93	53	408	8.012	ug/l #	76
16) Acetone	2.23	43	6494	77.806	ug/l	97
18) Methyl Acetate	2.30	43	457	2.783	ug/l #	65
20) Methylene Chloride	2.17	84	1468	4.157	ug/l #	81
23) Vinyl Acetate	3.24	43	571	1.630	ug/l #	77
25) 2-Butanone	4.35	43	664	4.943	ug/l #	56
29) Tetrahydrofuran	4.05	42	70	1.246	ug/l #	36
32) 1,1,1-Trichloroethane	4.08	97	773	1.088	ug/l #	82
37) Ethyl Acetate	4.09	43	348	1.642	ug/l #	61
41) Methacrylonitrile	4.72	41	206	1.741	ug/l #	24
49) 1,4-Dioxane	6.63	88	74	64.580	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	669	3.168	ug/l #	38
52) Toluene	7.62	92	1611	1.845	ug/l	94
56) Ethyl methacrylate	8.62	69	291	1.066	ug/l #	35
59) 2-Hexanone	9.48	43	874	5.842	ug/l #	27
68) m/p-Xylenes	10.13	106	290	1.446	ug/l #	18
74) N-amyl acetate	11.36	43	365	12.100	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.68	83	66	3.137	ug/l #	25
78) n-propylbenzene	11.59	91	326	2.061	ug/l #	55
80) 1,3,5-Trimethylbenzene	11.71	105	269	2.548	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	716	6.830	ug/l	97
86) p-Isopropyltoluene	12.44	119	356	2.922	ug/l #	50
87) 1,3-Dichlorobenzene	12.55	146	133	2.580	ug/l #	66
88) 1,4-Dichlorobenzene	12.55	146	133	2.683	ug/l #	66
89) n-Butylbenzene	12.83	91	258	2.061	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.64	75	68	19.128	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	77	2.274	ug/l #	61
95) Naphthalene	14.45	128	328	5.140	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.60	180	95	2.978	ug/l #	13

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
Data File : VF061394.D
Acq On : 14 Jan 2019 17:32
Operator : VA/AP
Sample : K1139-03
Misc : 3.78g/5mL/MSVOA-F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jan 14 21:42:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
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\VF011419\
Data File : VF061394.D
Acq On : 14 Jan 2019 17:32
Operator : VA/AP
Sample : K1139-03
Misc : 3.78g/5mL/MSVOA-F/SOIL
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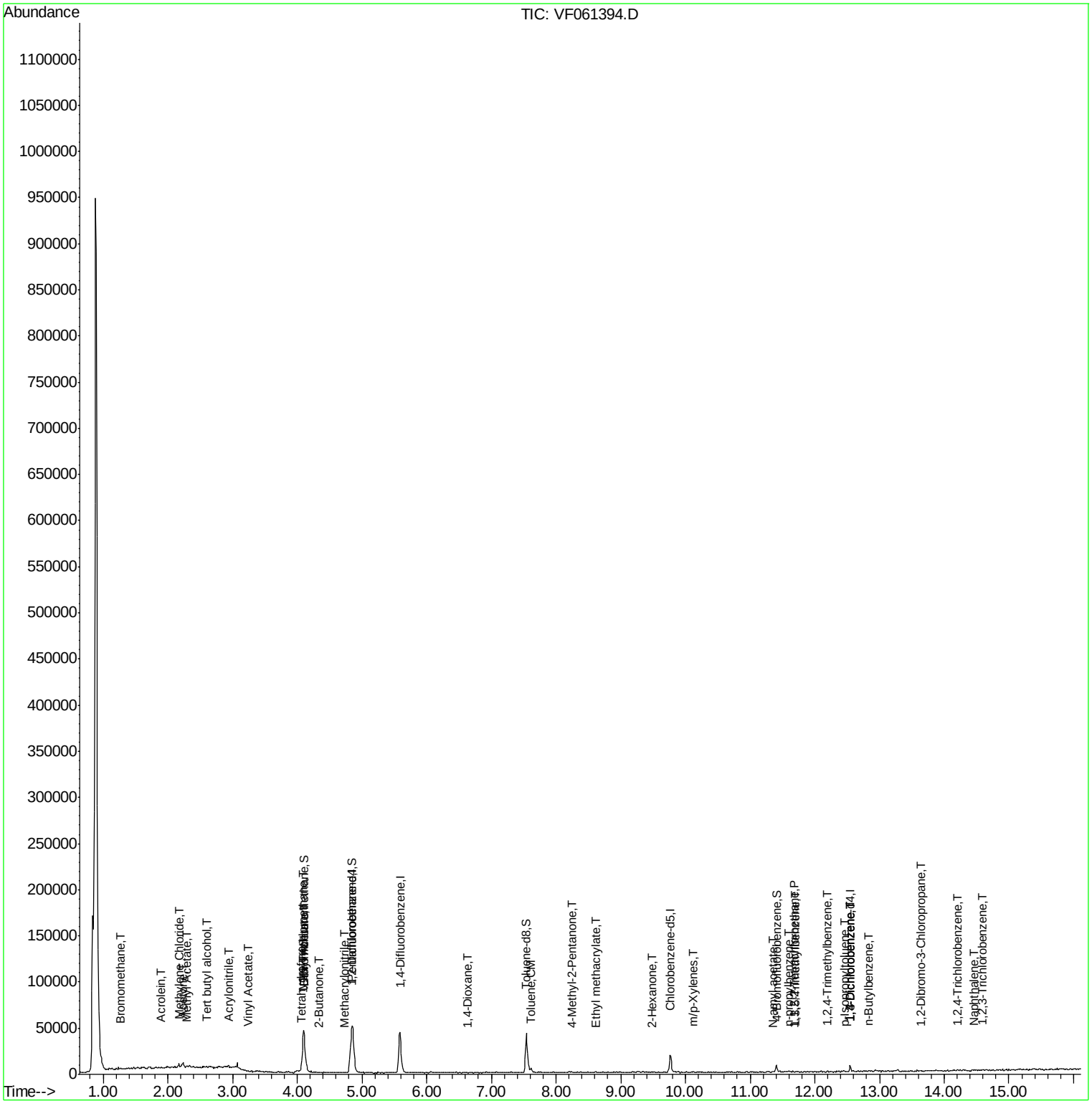
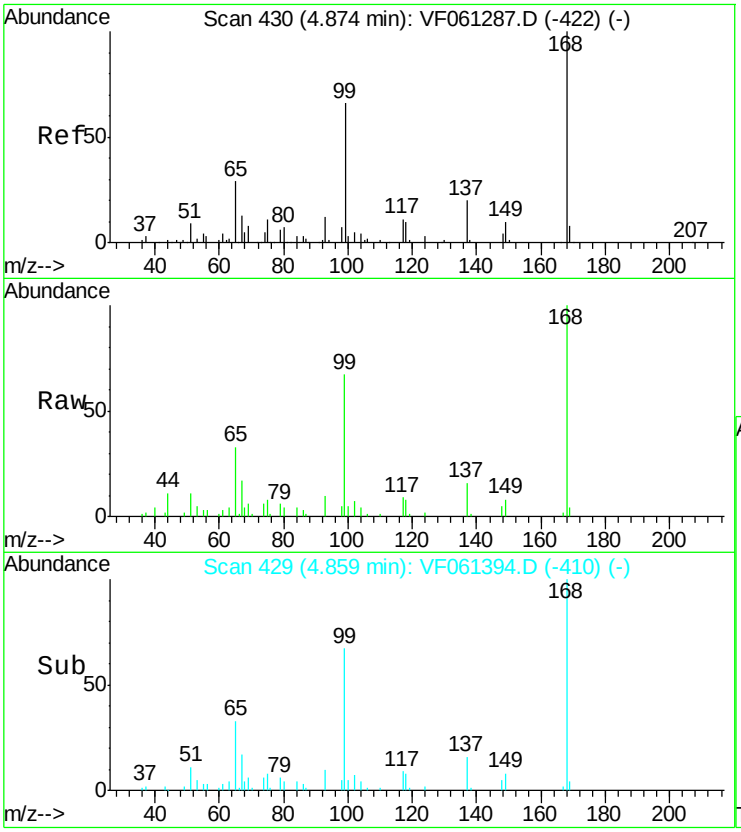
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration



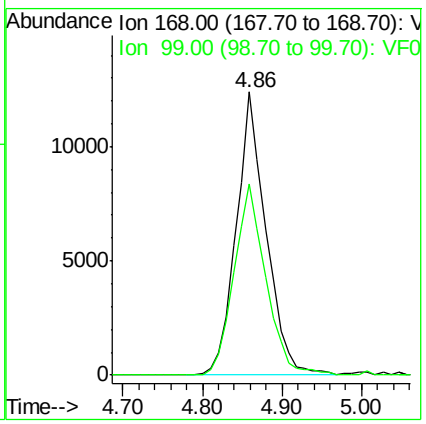


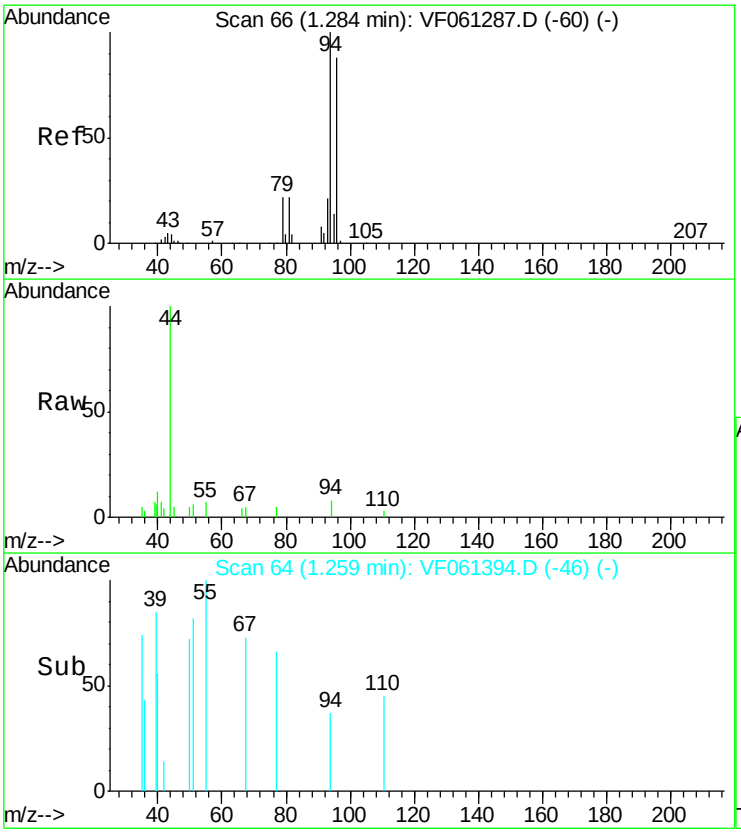
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 32235

Ion	Ratio	Lower	Upper
168	100		
99	67.4	52.7	79.1

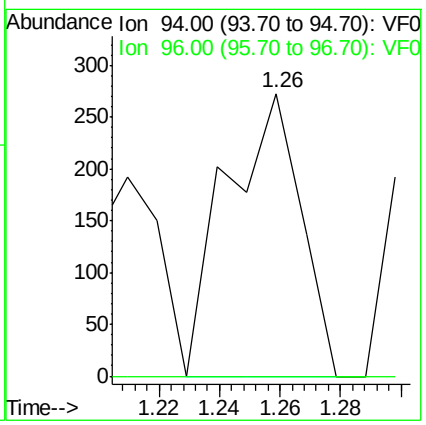


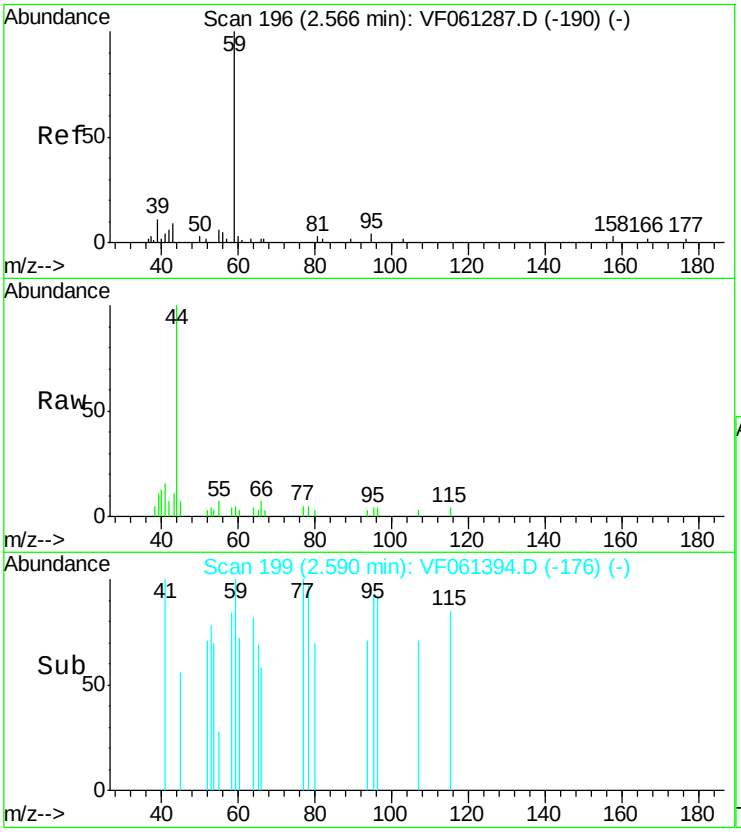


#5
Bromomethane
Concen: 3.974 ug/l
RT: 1.26 min Scan# 64
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 94 Resp: 466

Ion	Ratio	Lower	Upper
94	100		
96	0.0	70.2	105.4#



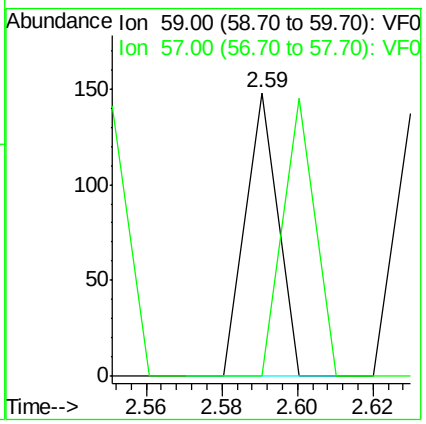


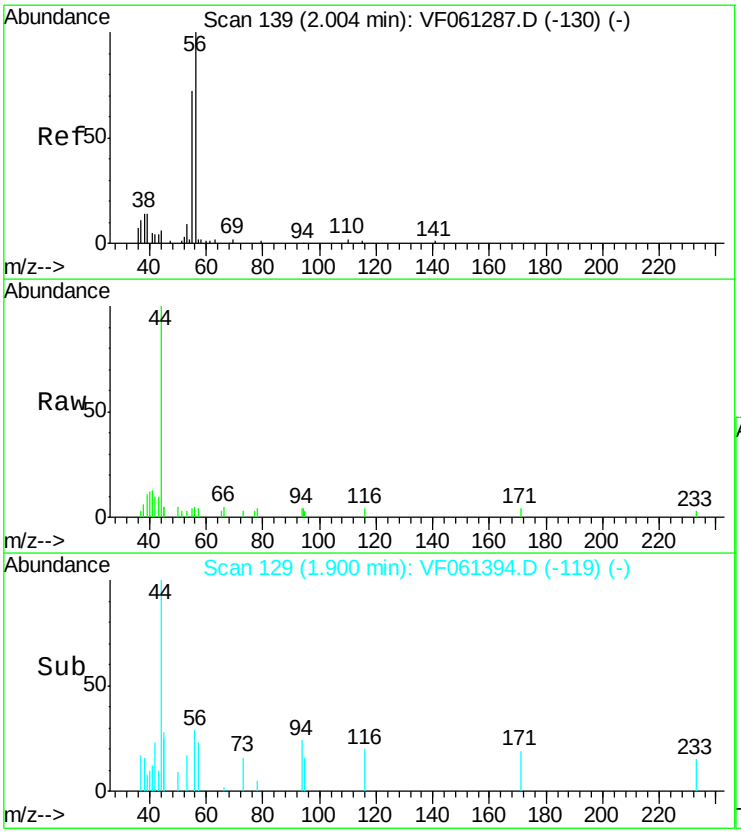
#11
Tert butyl alcohol
Concen: 6.126 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 88

Ion	Ratio	Lower	Upper
59	100		
57	0.0	15.1	22.7#

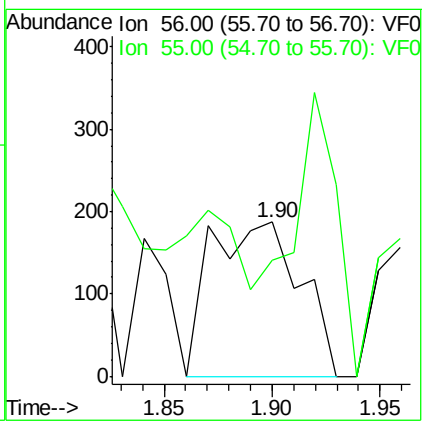


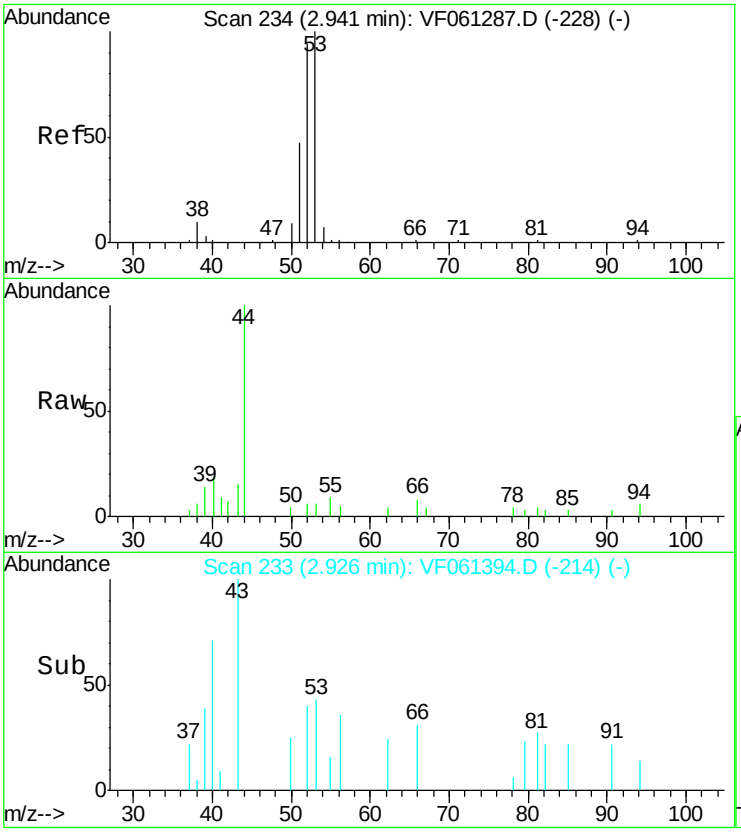


#13
Acrolein
Concen: 14.684 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.10 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 56 Resp: 541

Ion	Ratio	Lower	Upper
56	100		
55	75.4	59.4	89.0



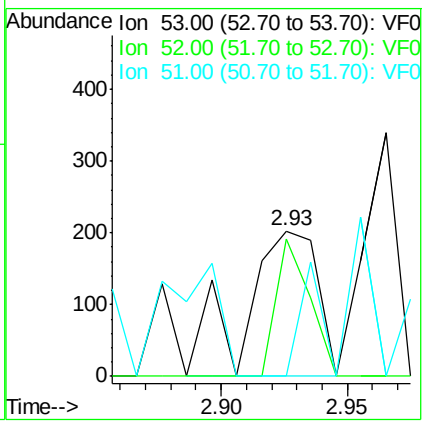


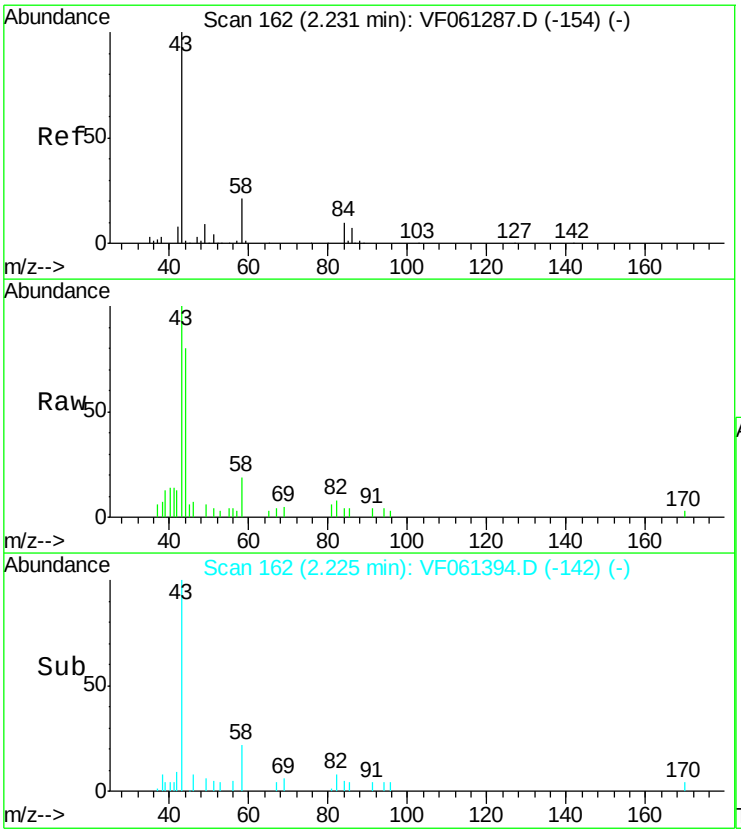
#15
Acrylonitrile
Concen: 8.012 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 408

Ion	Ratio	Lower	Upper
53	100		
52	94.1	74.6	111.8
51	0.0	37.8	56.6#

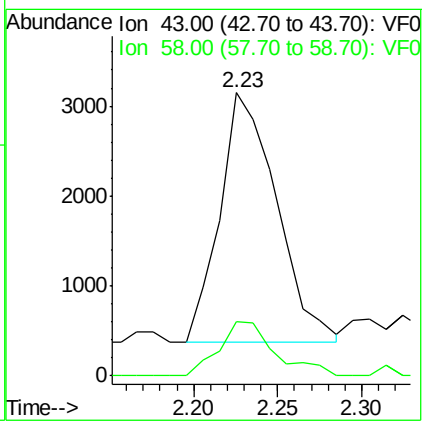


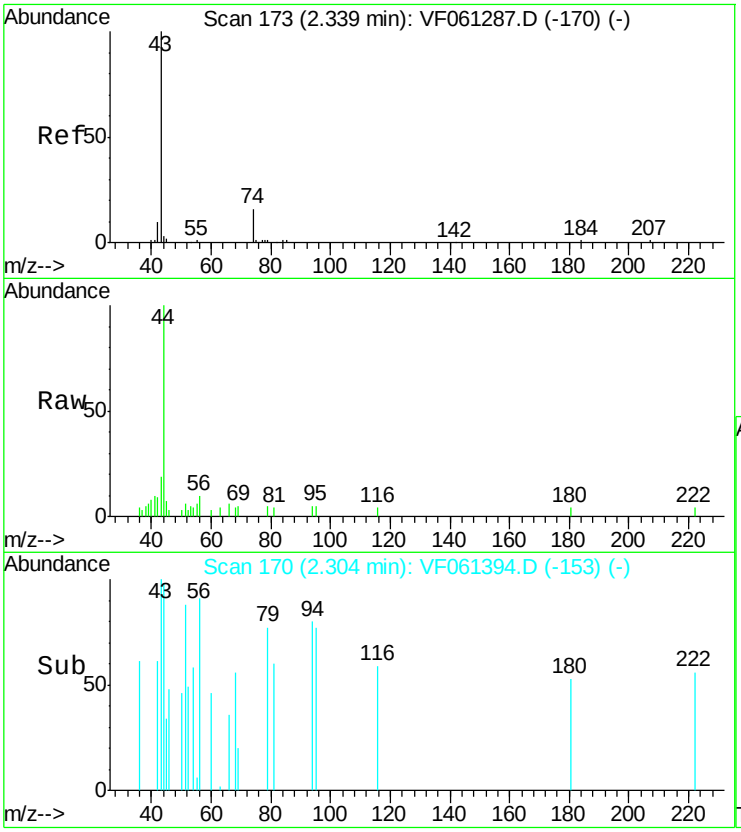


#16
Acetone
Concen: 77.806 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 43 Resp: 6494

Ion	Ratio	Lower	Upper
43	100		
58	19.3	16.6	25.0



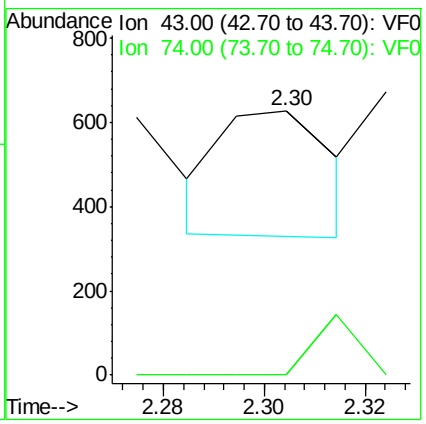


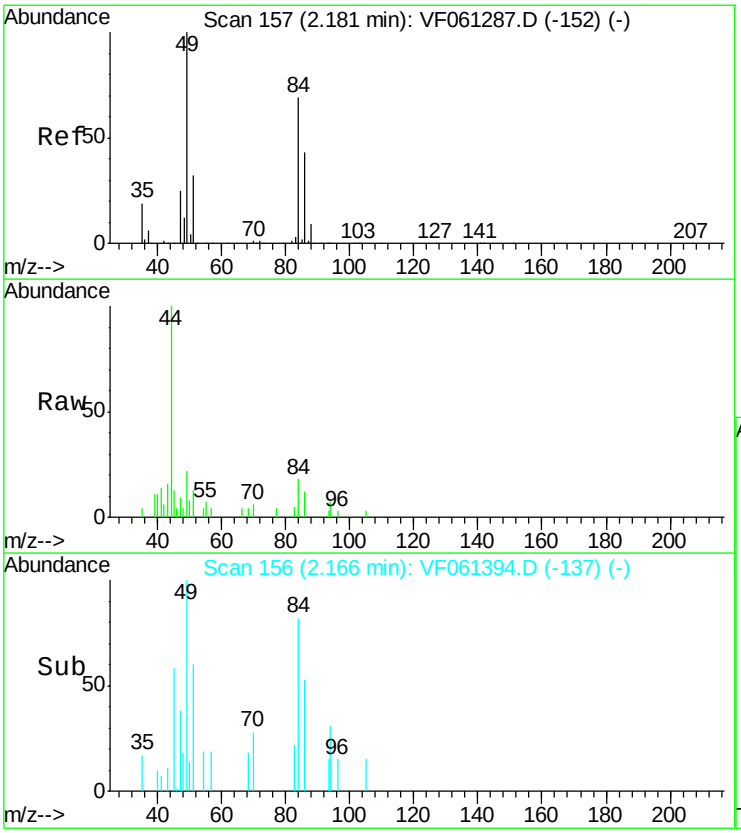
#18
Methyl Acetate
Concen: 2.783 ug/l
RT: 2.30 min Scan# 170
Delta R.T. -0.03 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 457

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.6	17.4#

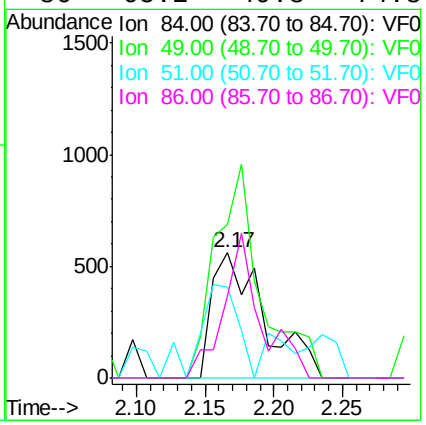


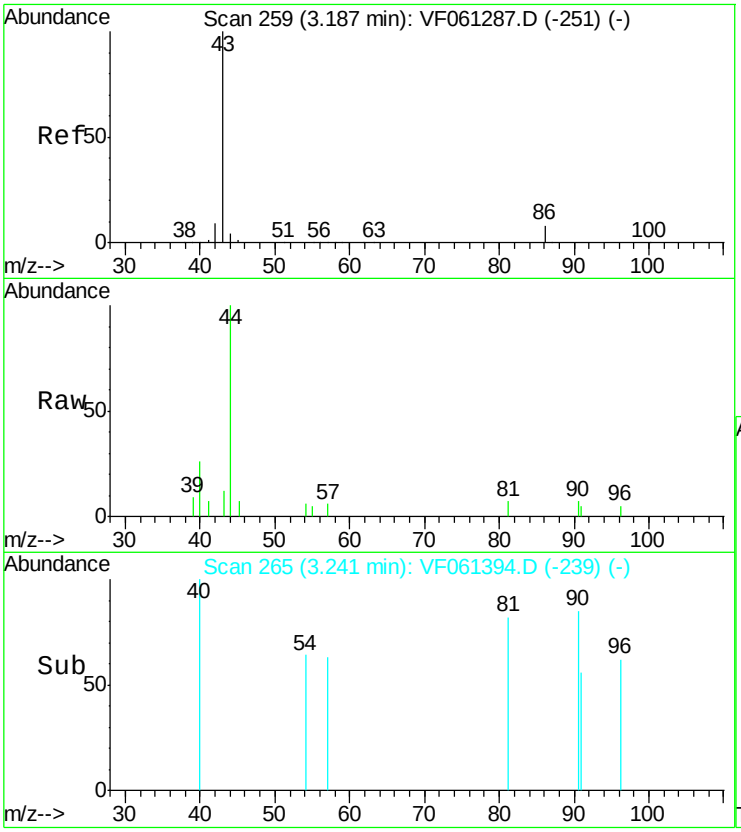


#20
Methylene Chloride
Concen: 4.157 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 84 Resp: 1468

Ion	Ratio	Lower	Upper
84	100		
49	122.5	116.6	175.0
51	72.9	37.7	56.5#
86	65.2	49.8	74.8



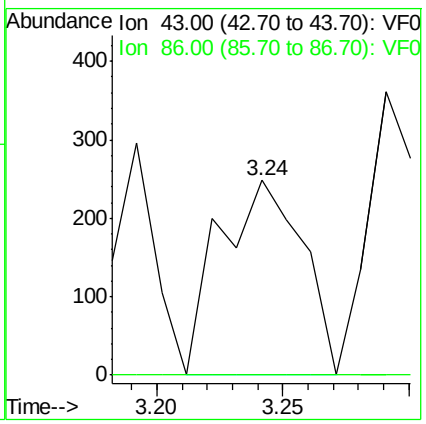


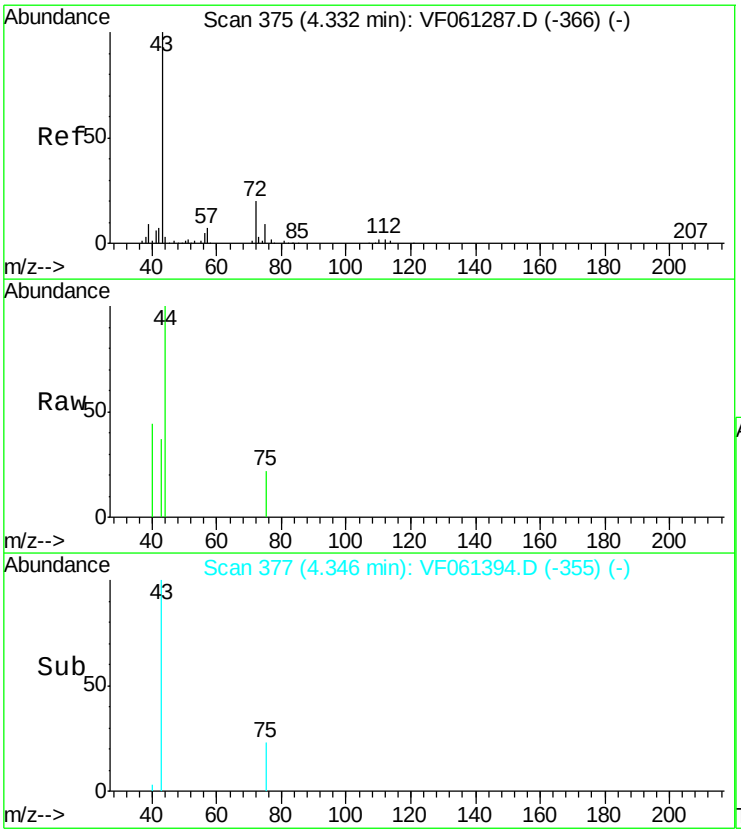
#23
Vinyl Acetate
Concen: 1.630 ug/l
RT: 3.24 min Scan# 265
Delta R.T. 0.05 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 571

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#

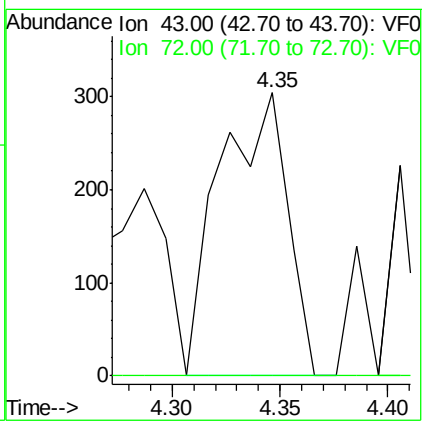


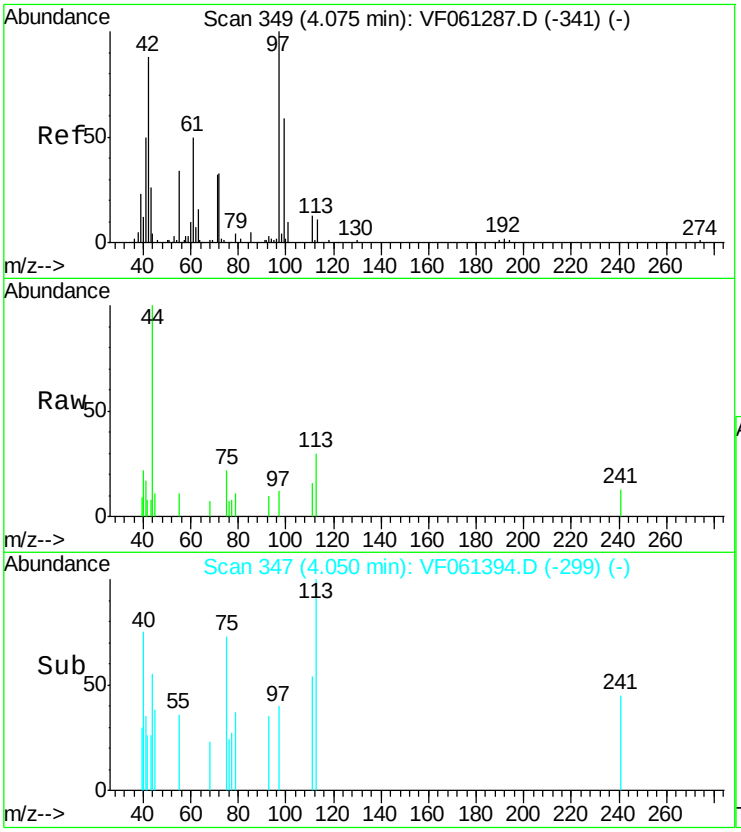


#25
2-Butanone
Concen: 4.943 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 43 Resp: 664

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



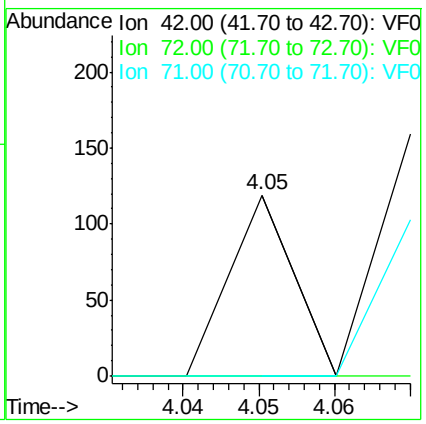


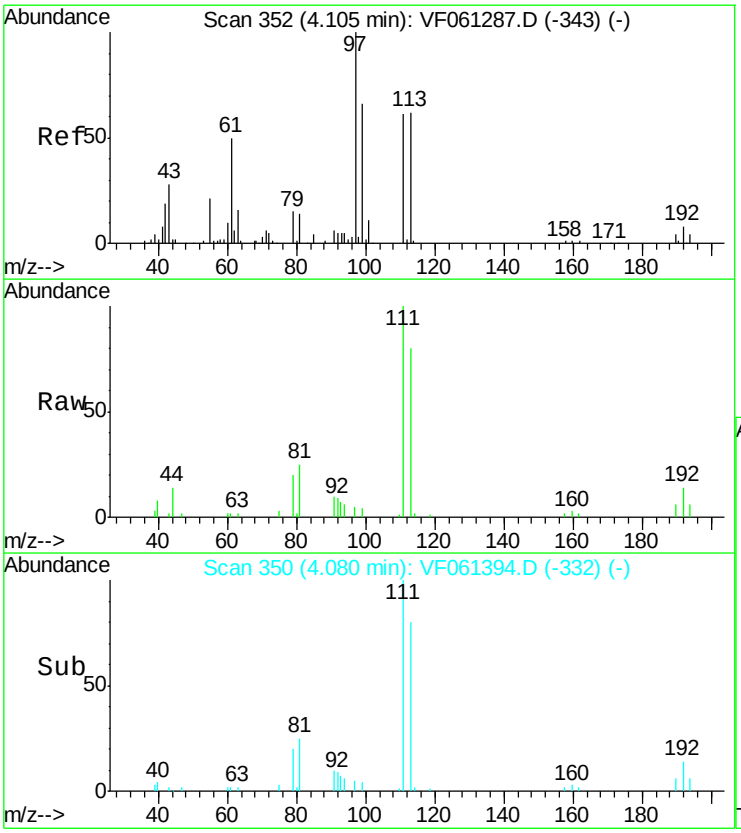
#29
Tetrahydrofuran
Concen: 1.246 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 70

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#

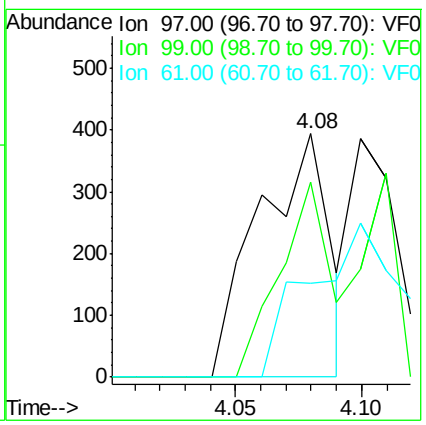


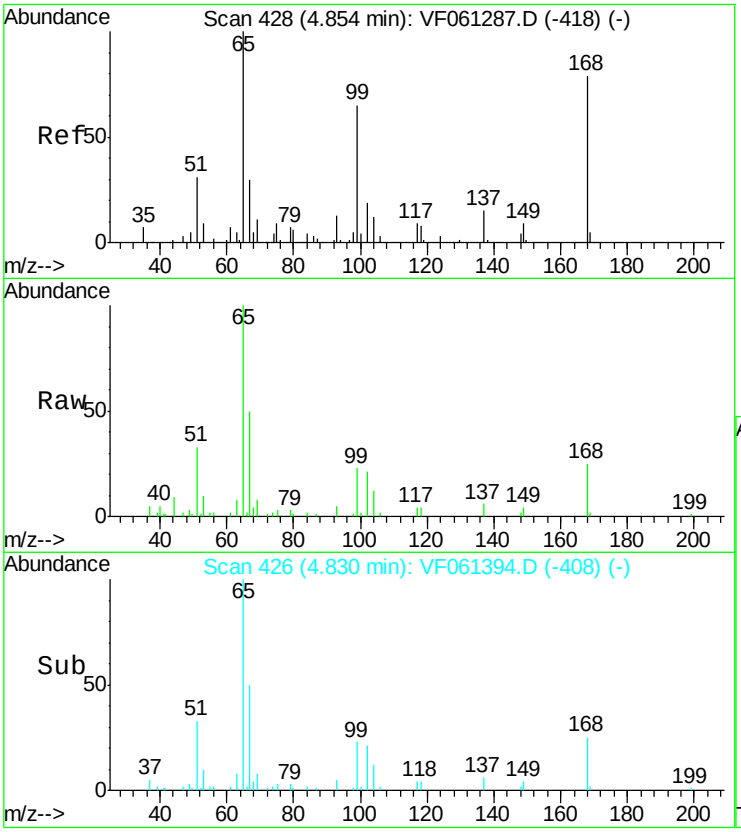


#32
1,1,1-Trichloroethane
Concen: 1.088 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 97 Resp: 773

Ion	Ratio	Lower	Upper
97	100		
99	79.9	52.7	79.1#
61	38.6	40.8	61.2#



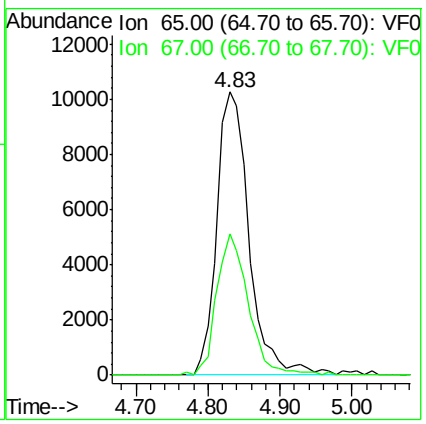


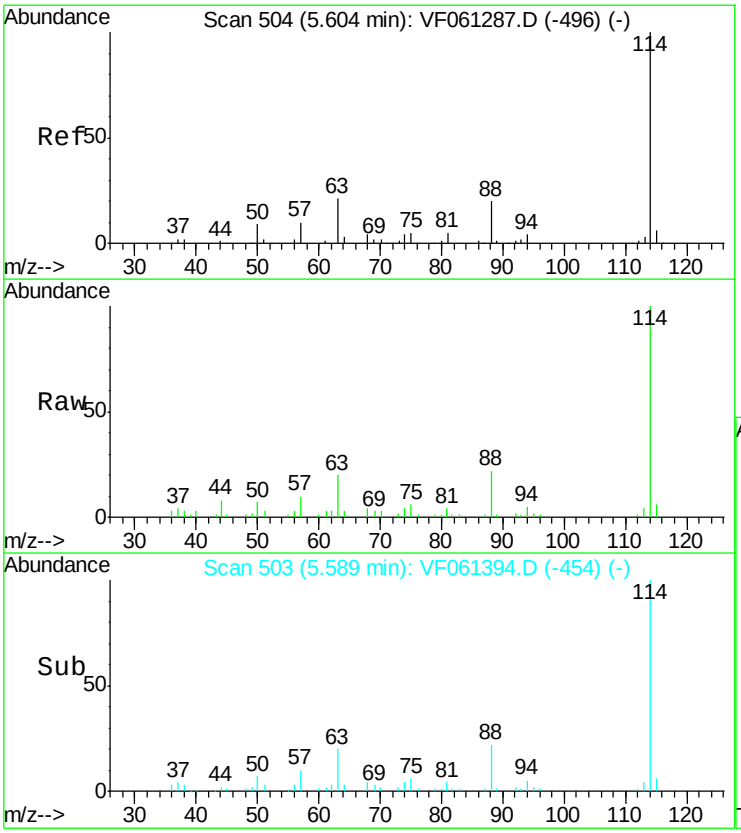
#33
1,2-Dichloroethane-d4
Concen: 88.499 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 31753

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	98.2

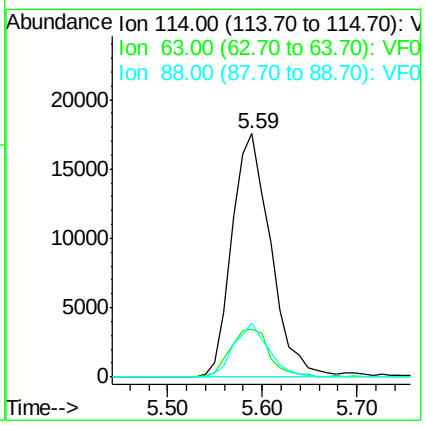


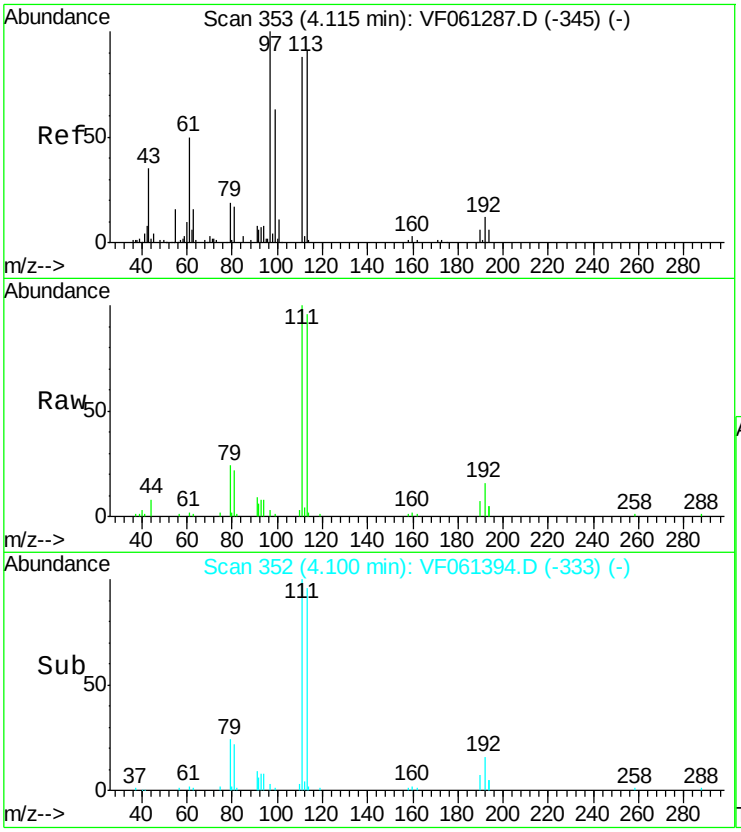


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:114 Resp: 49832

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.8
88	22.3	0.0	40.0



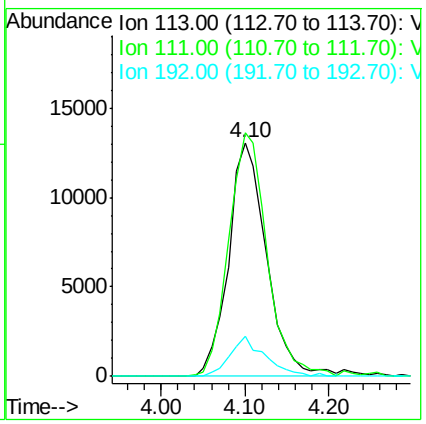


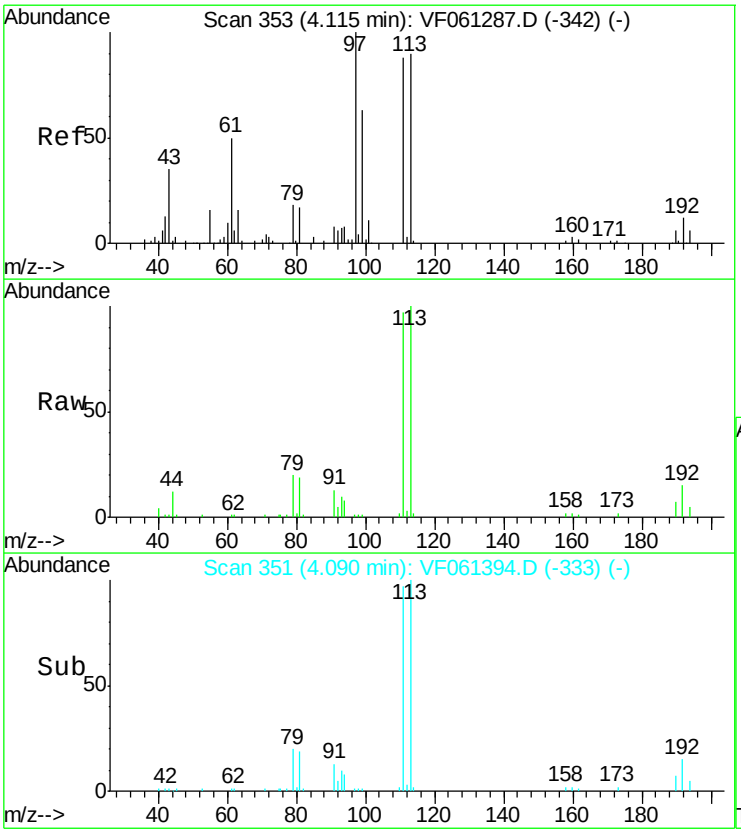
#35
Dibromofluoromethane
Concen: 107.467 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 40977

Ion	Ratio	Lower	Upper
113	100		
111	104.2	78.0	117.0
192	17.2	10.6	16.0#

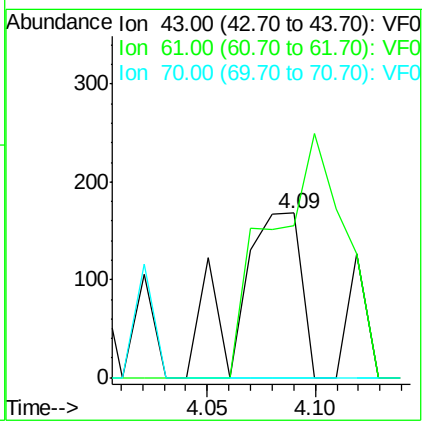


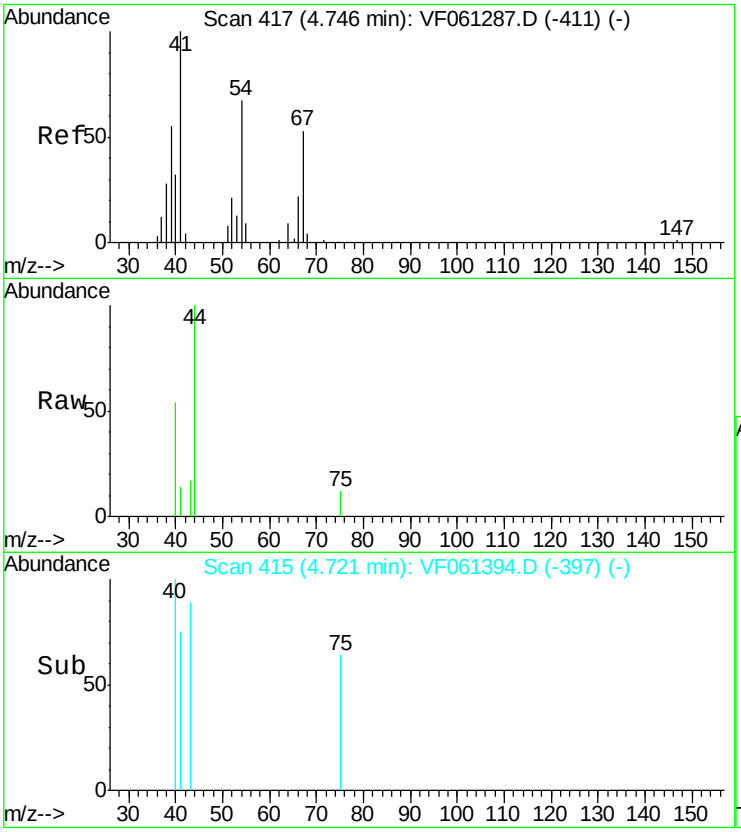


#37
Ethyl Acetate
Concen: 1.642 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 43 Resp: 348

Ion	Ratio	Lower	Upper
43	100		
61	92.3	113.3	169.9#
70	0.0	9.4	14.0#



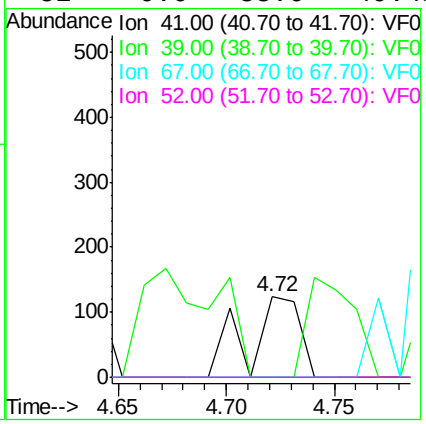


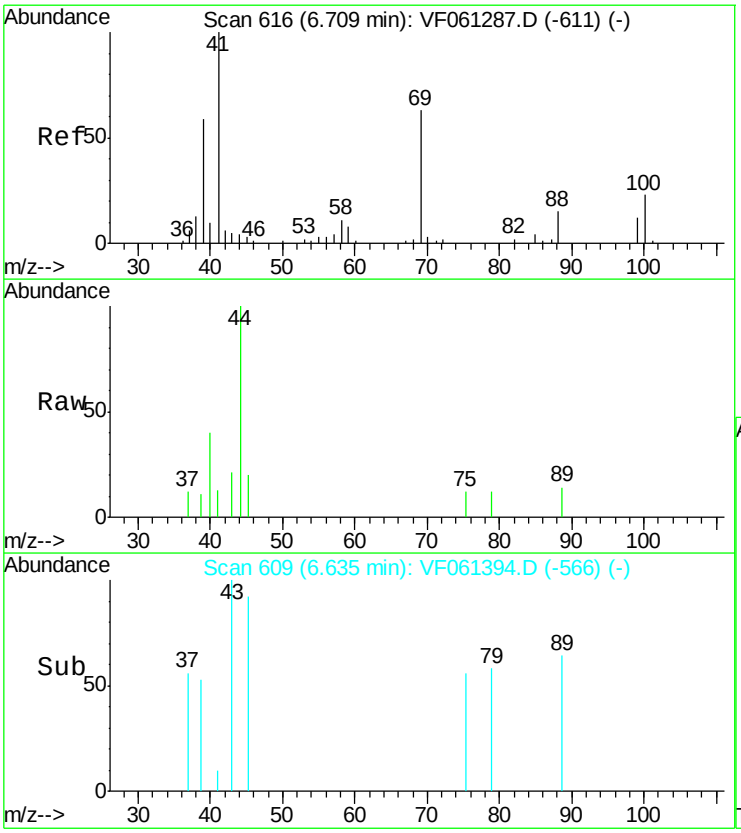
#41
Methacrylonitrile
Concen: 1.741 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 206

Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.7	79.1#
67	0.0	41.4	62.2#
52	0.0	33.0	49.4#

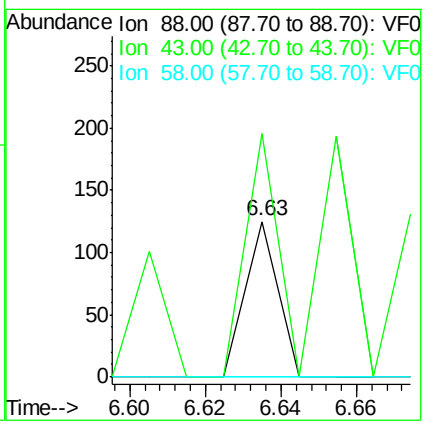


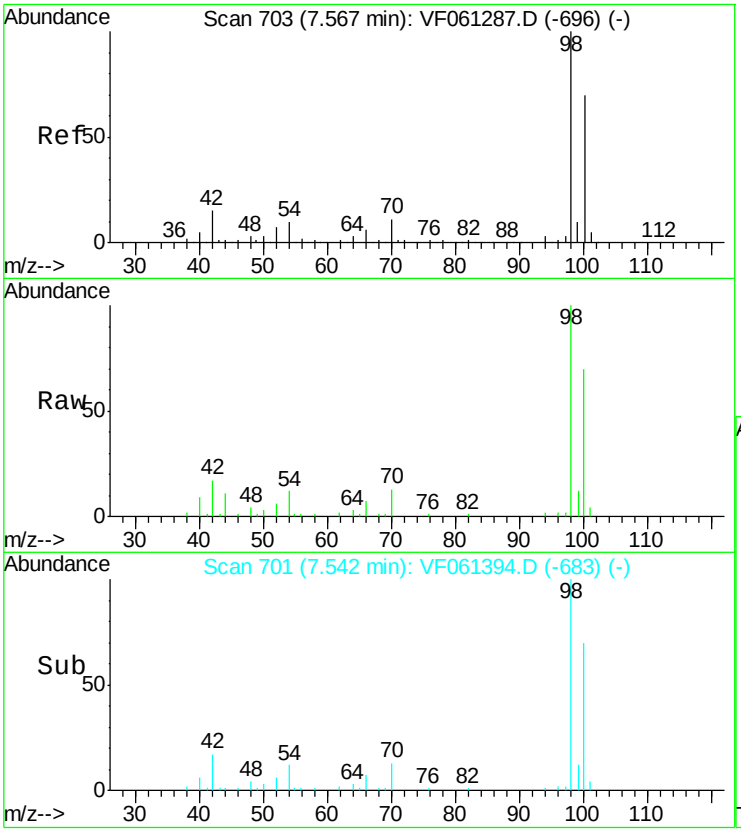


#49
1,4-Dioxane
Concen: 64.580 ug/l
RT: 6.63 min Scan# 609
Delta R.T. -0.07 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 88 Resp: 74

Ion	Ratio	Lower	Upper
88	100		
43	156.8	38.5	57.7#
58	0.0	57.0	85.4#



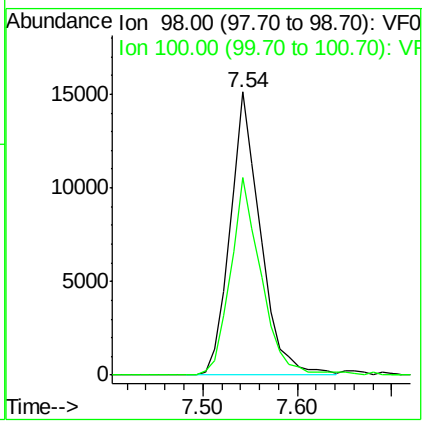


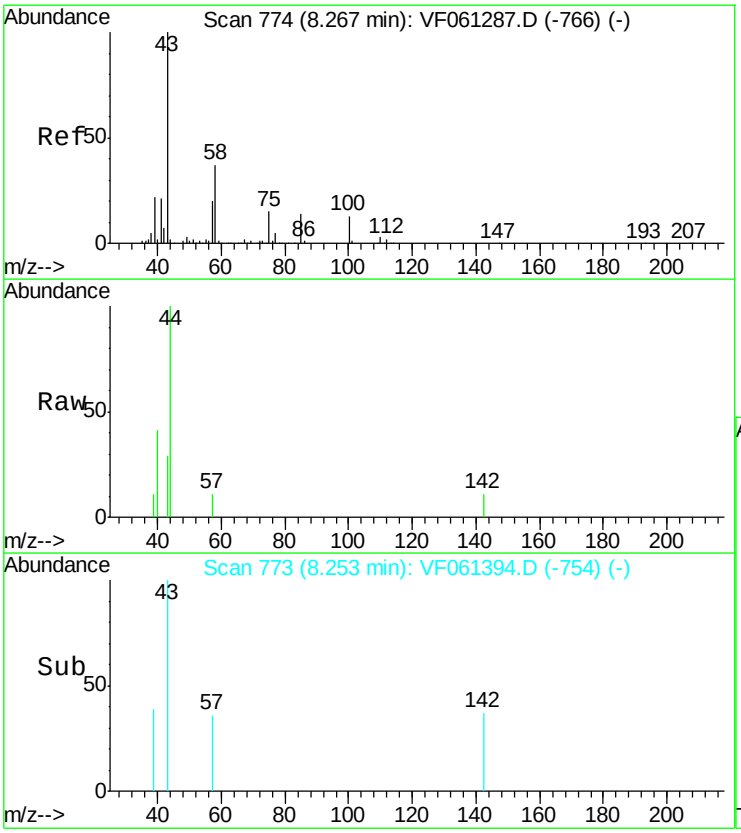
#50
Toluene-d8
Concen: 29.703 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 33516

Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.6	83.4

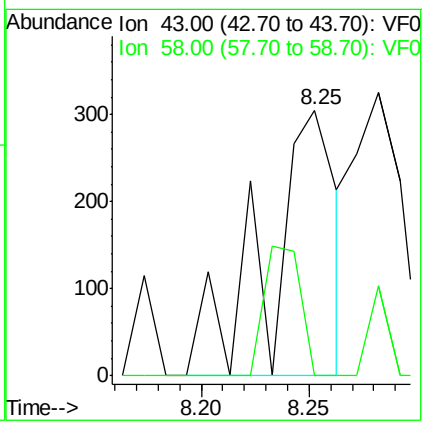


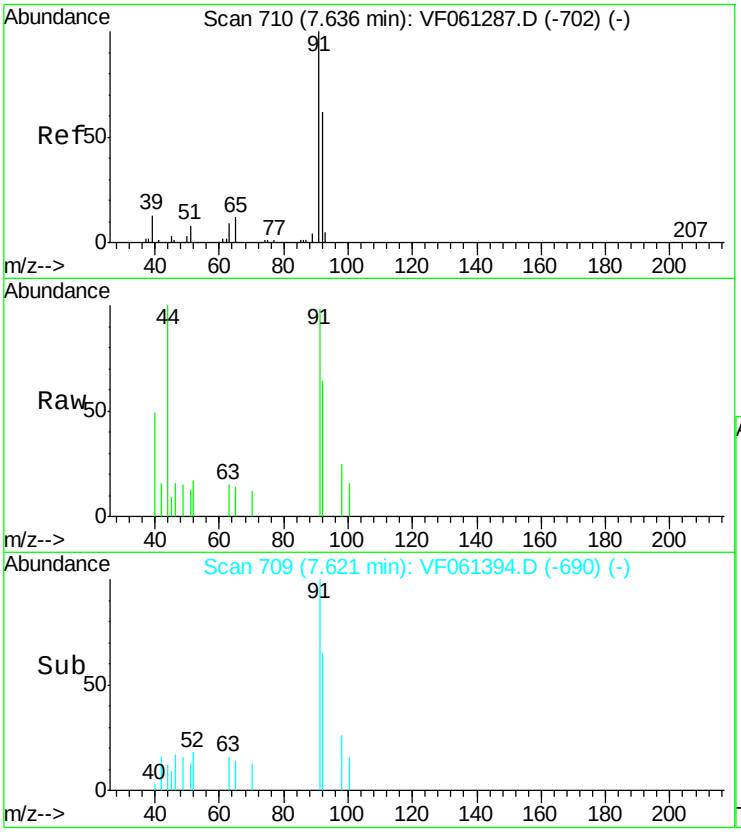


#51
4-Methyl-2-Pentanone
Concen: 3.168 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 43 Resp: 669

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.6	44.4#



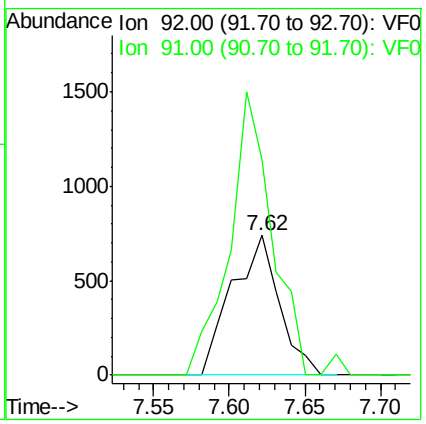


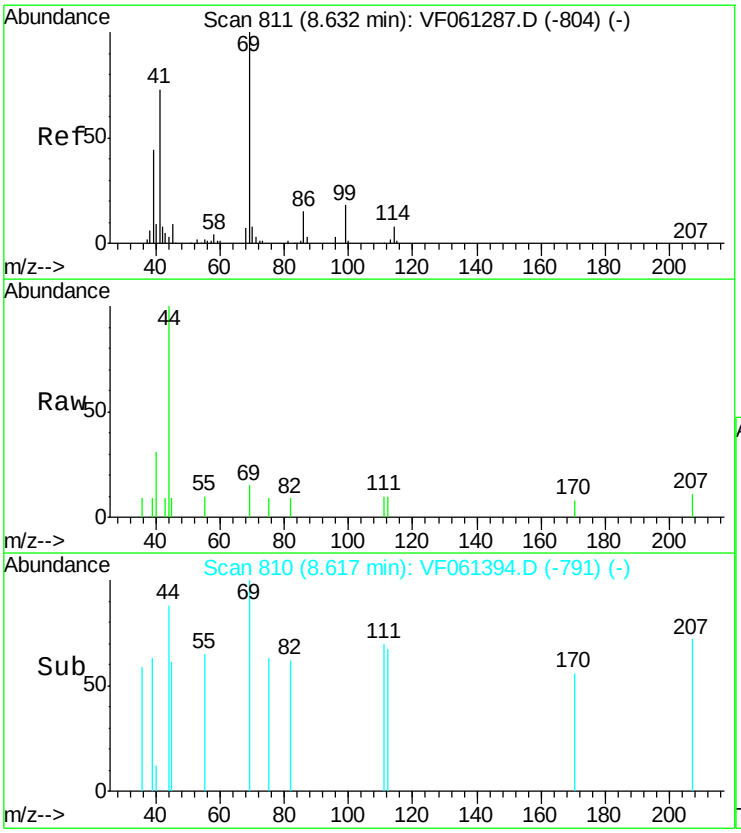
#52
Toluene
Concen: 1.845 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 92 Resp: 1611

Ion	Ratio	Lower	Upper
92	100		
91	153.9	129.2	193.8

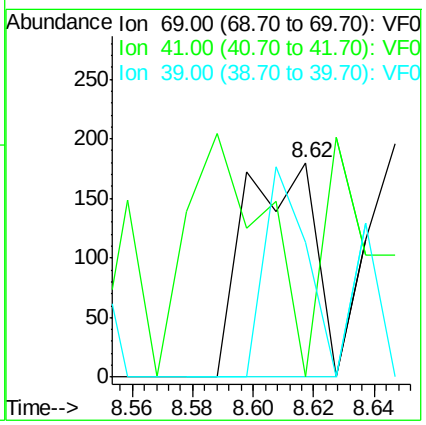


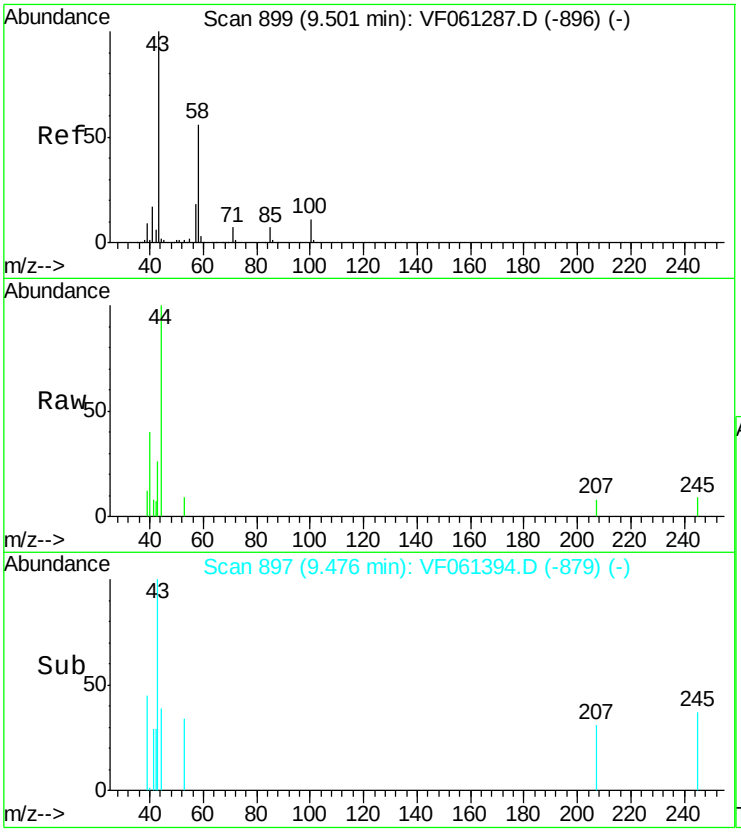


#56
Ethyl methacrylate
Concen: 1.066 ug/l
RT: 8.62 min Scan# 810
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 69 Resp: 291

Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.0	88.4#
39	62.8	35.3	52.9#



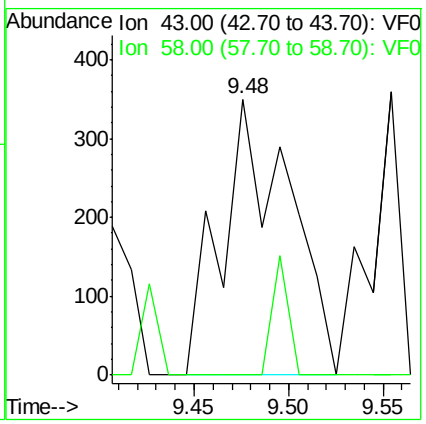


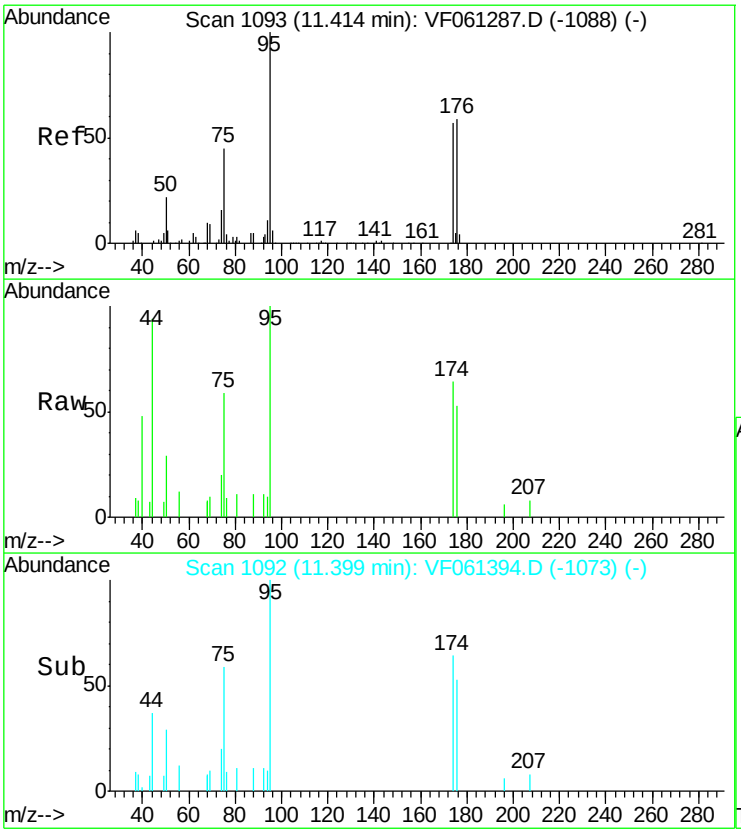
#59
2-Hexanone
Concen: 5.842 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 874

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.8#

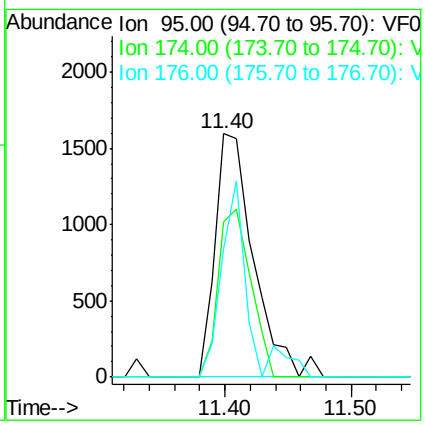


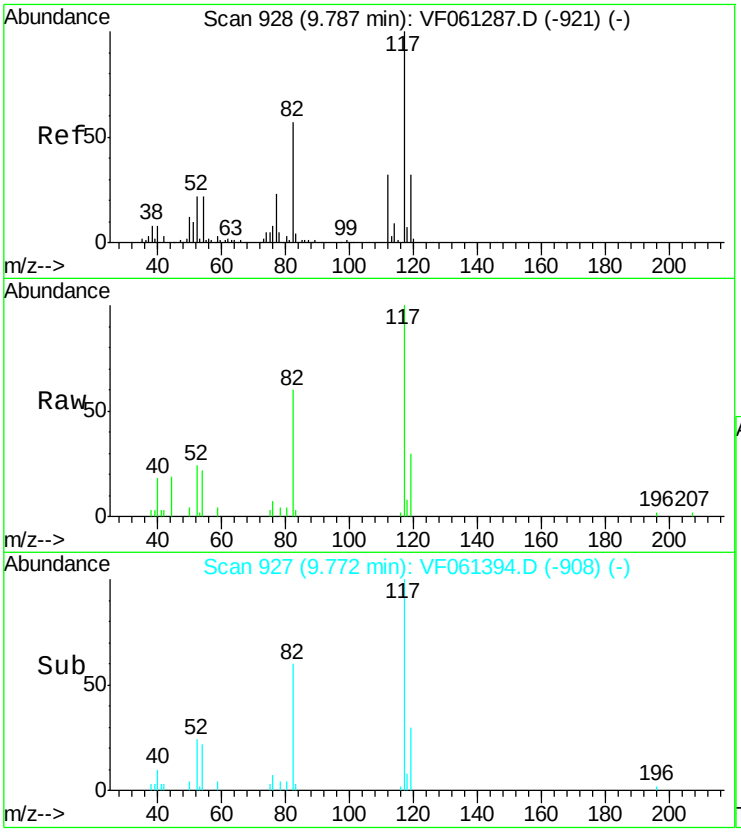


#62
4-Bromofluorobenzene
Concen: 6.899 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 95 Resp: 3399

Ion	Ratio	Lower	Upper
95	100		
174	63.7	0.0	114.2
176	52.8	0.0	117.8



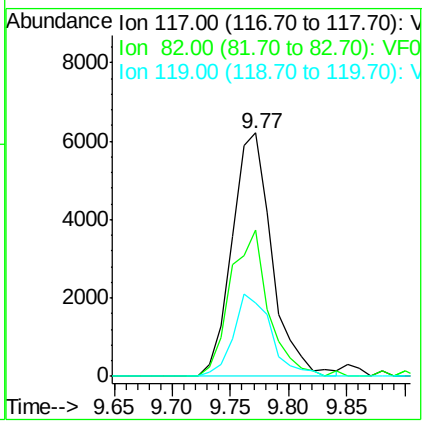


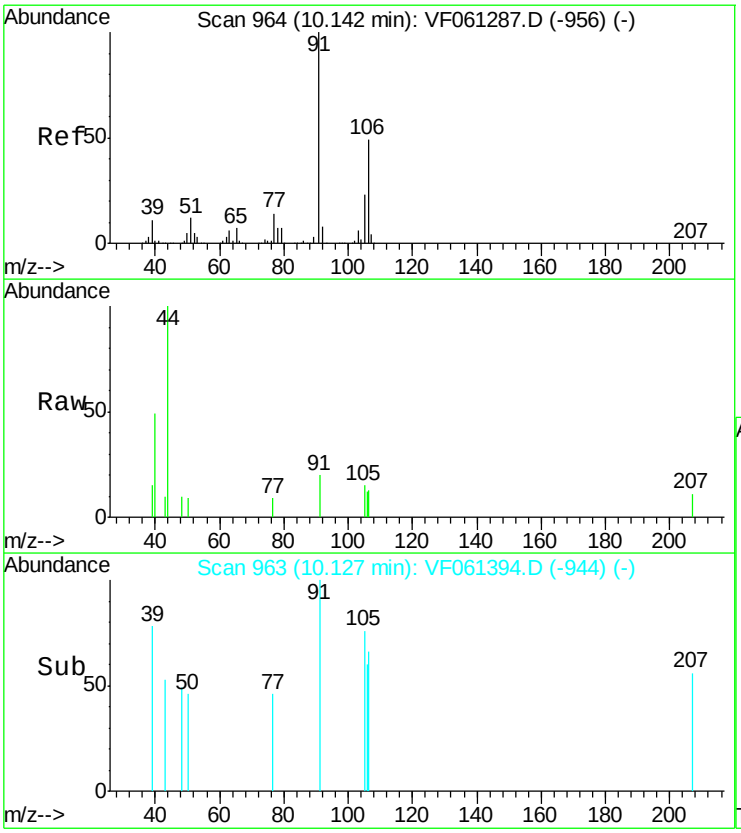
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 14767

Ion	Ratio	Lower	Upper
117	100		
82	60.0	45.3	67.9
119	30.1	25.4	38.0

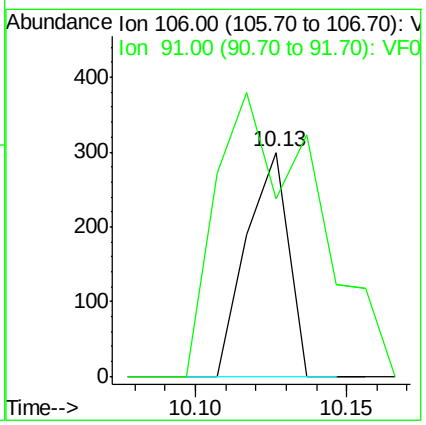


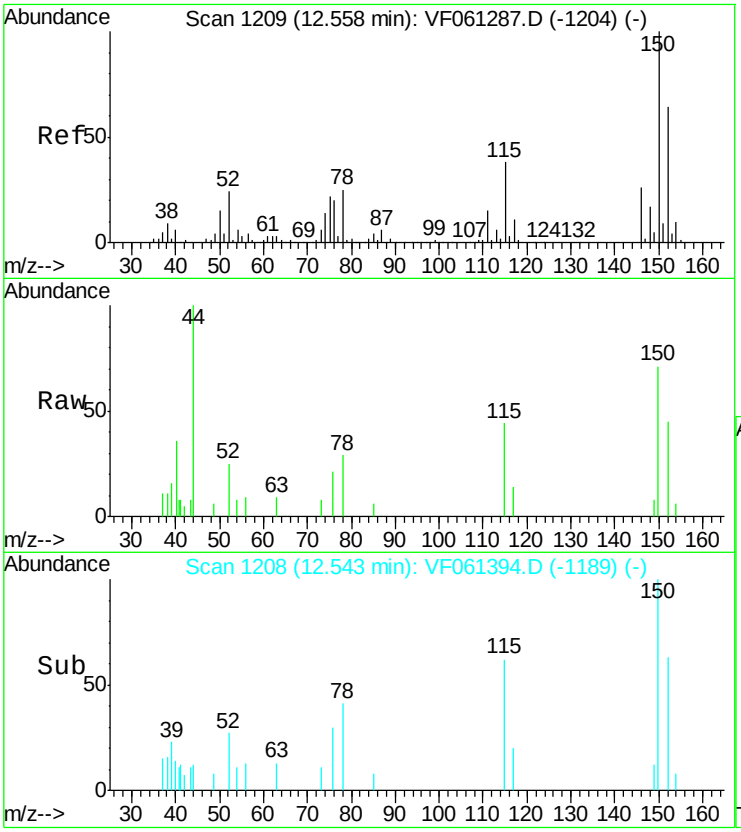


#68
m/p-Xylenes
Concen: 1.446 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:106 Resp: 290

Ion	Ratio	Lower	Upper
106	100		
91	79.0	165.0	247.6#



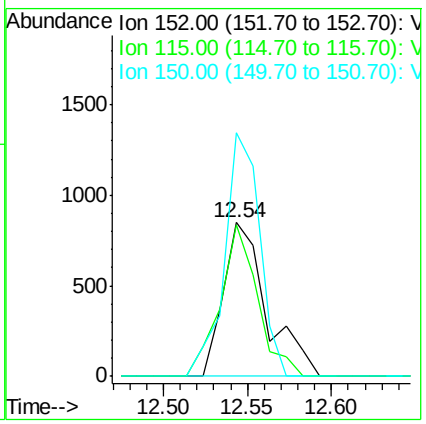


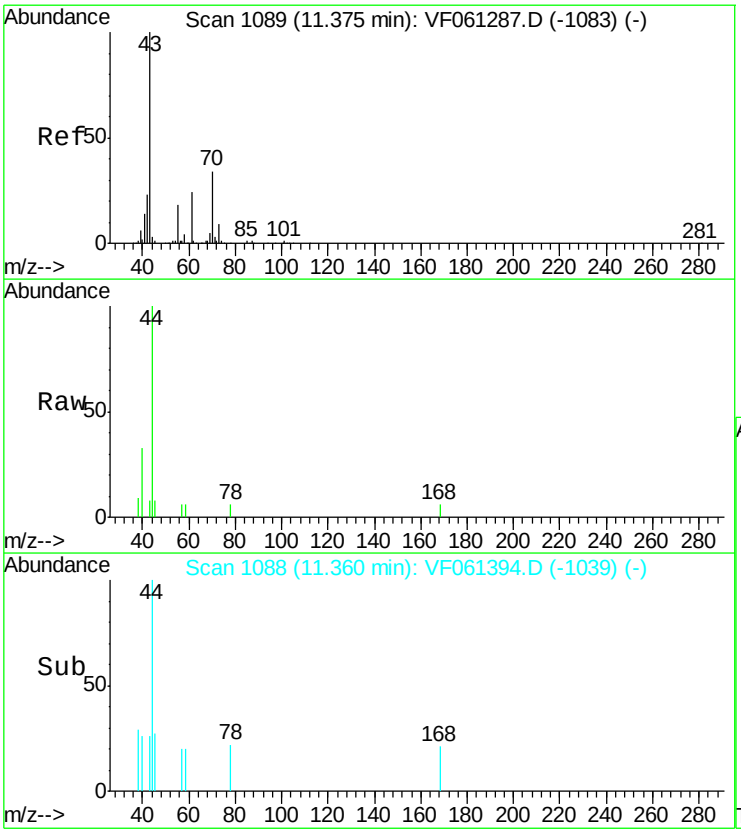
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 1508

Ion	Ratio	Lower	Upper
152	100		
115	98.5	29.6	88.9#
150	158.1	0.0	315.4

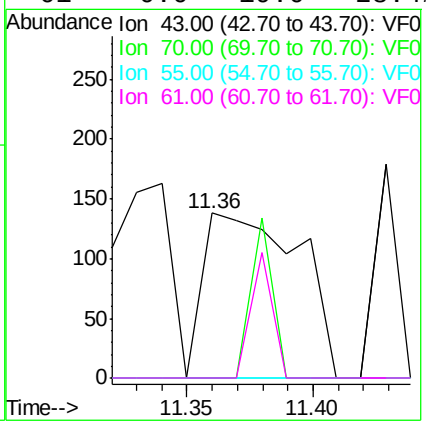


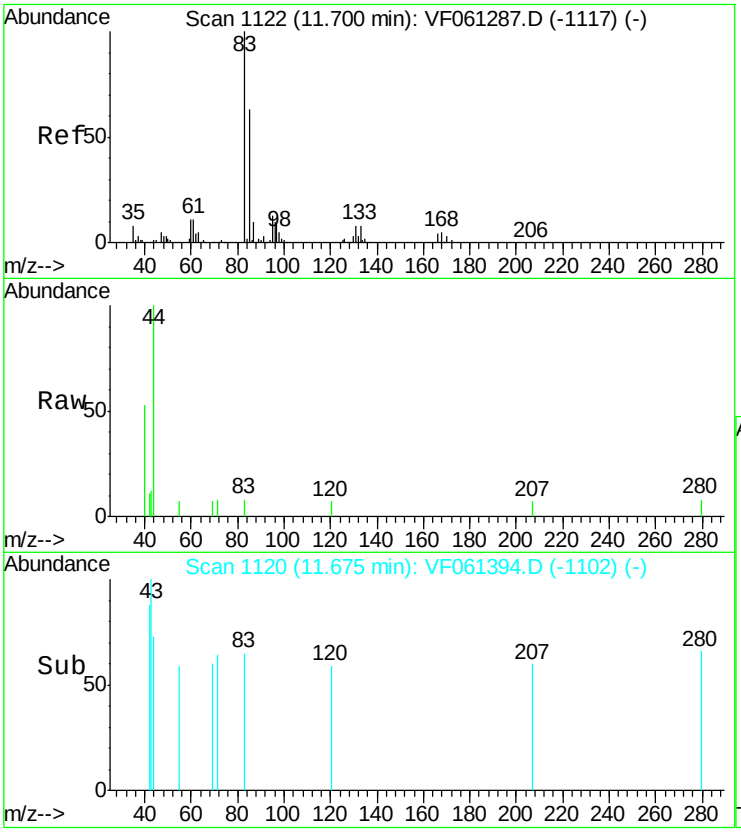


#74
N-amyl acetate
Concen: 12.100 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 43 Resp: 365

Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.4	41.0#
55	0.0	14.7	22.1#
61	0.0	19.0	28.4#



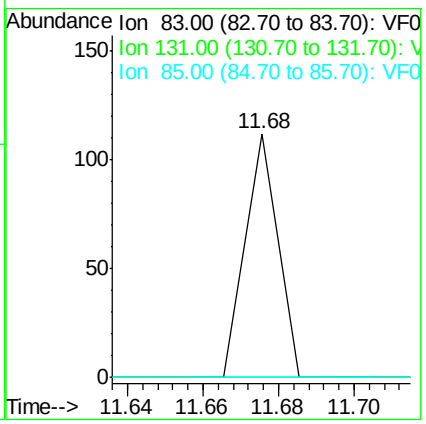


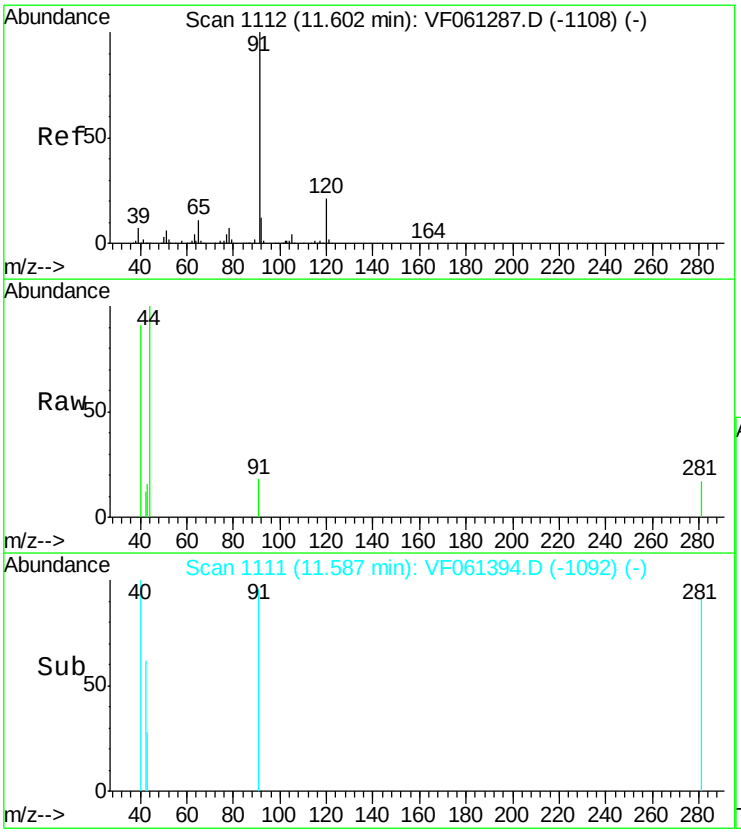
#75
1,1,2,2-Tetrachloroethane
Concen: 3.137 ug/l
RT: 11.68 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 66

Ion	Ratio	Lower	Upper
83	100		
131	0.0	3.9	11.7#
85	0.0	31.6	94.7#

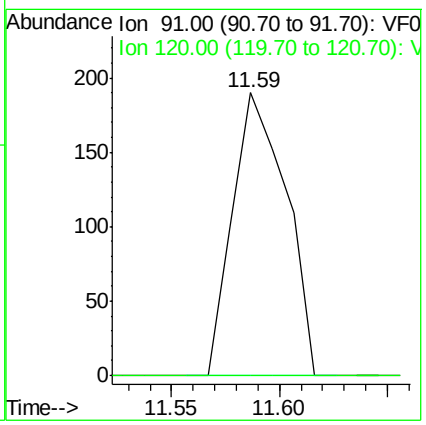


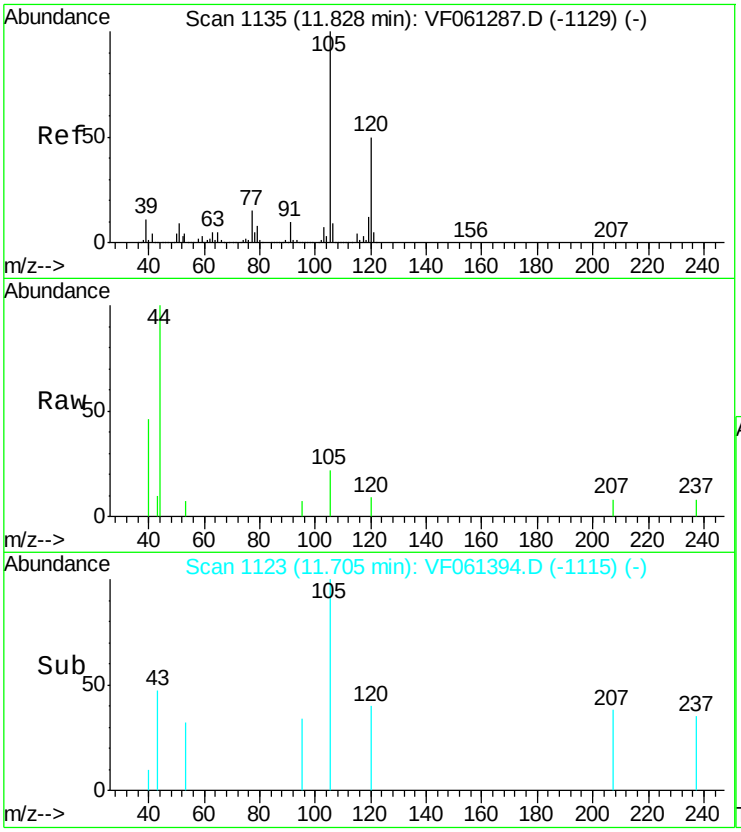


#78
n-propylbenzene
Concen: 2.061 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 91 Resp: 326

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.7	32.1#



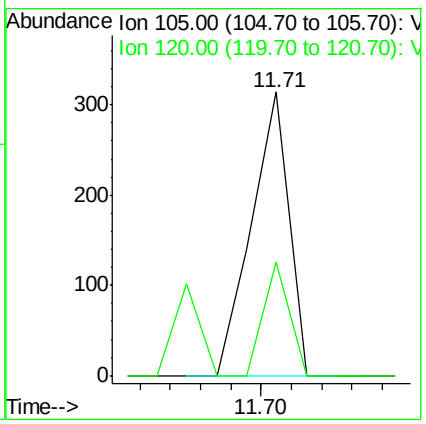


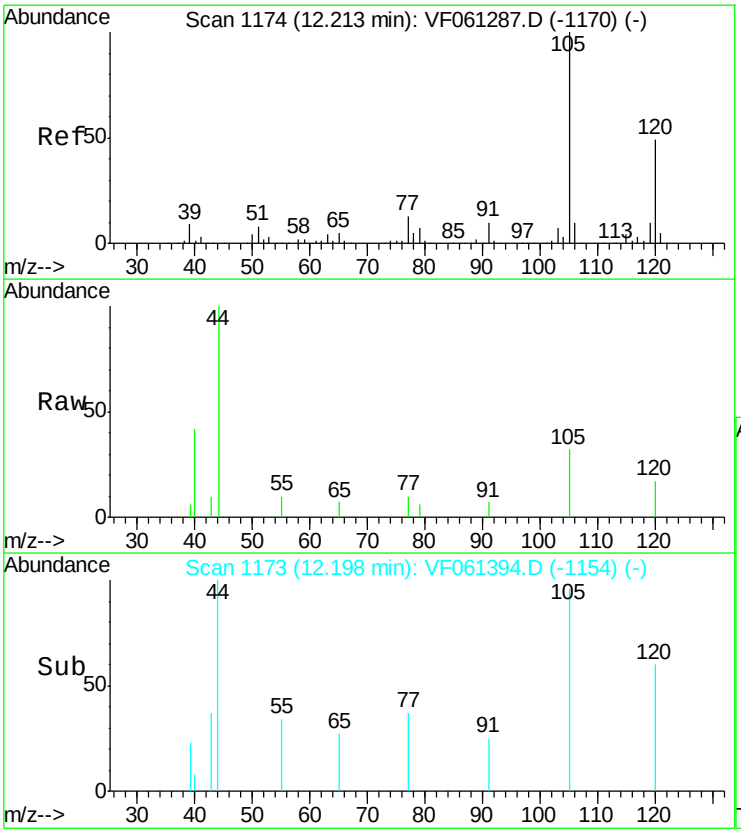
#80
1,3,5-Trimethylbenzene
Concen: 2.548 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.12 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 269

Ion	Ratio	Lower	Upper
105	100		
120	40.1	25.2	75.6

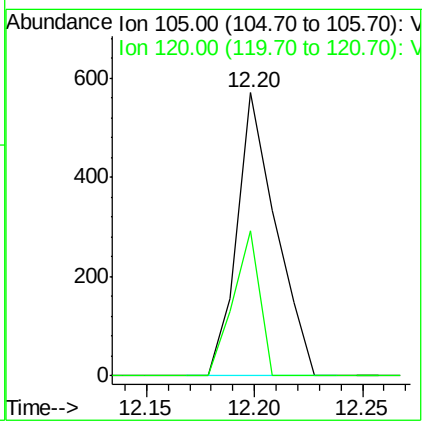


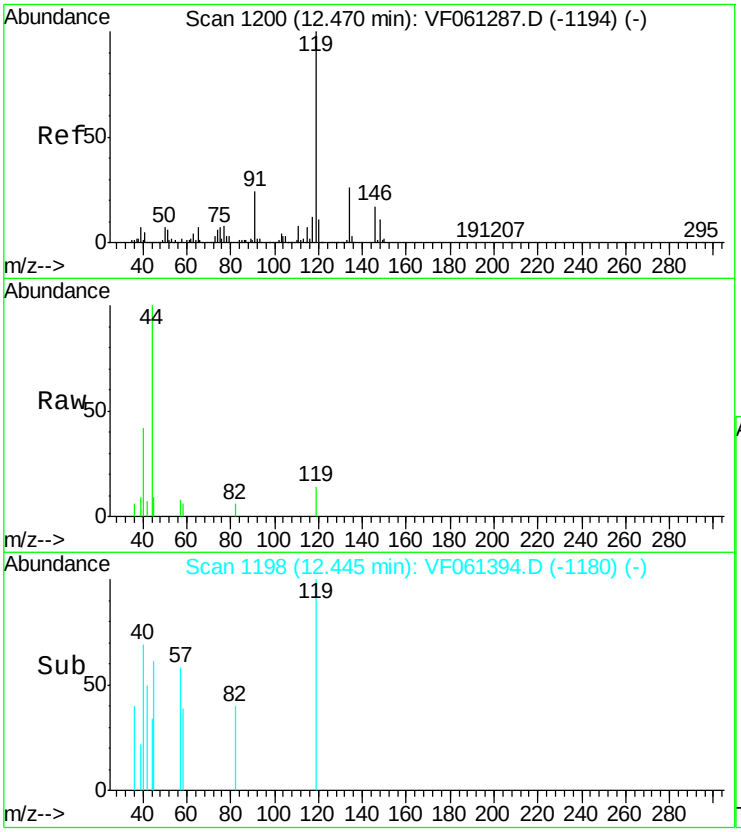


#84
1,2,4-Trimethylbenzene
Concen: 6.830 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:105 Resp: 716

Ion	Ratio	Lower	Upper
105	100		
120	51.5	24.7	74.1



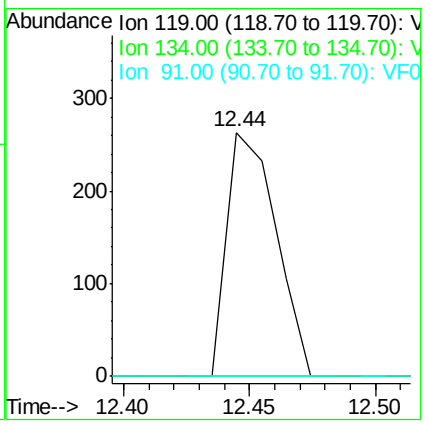


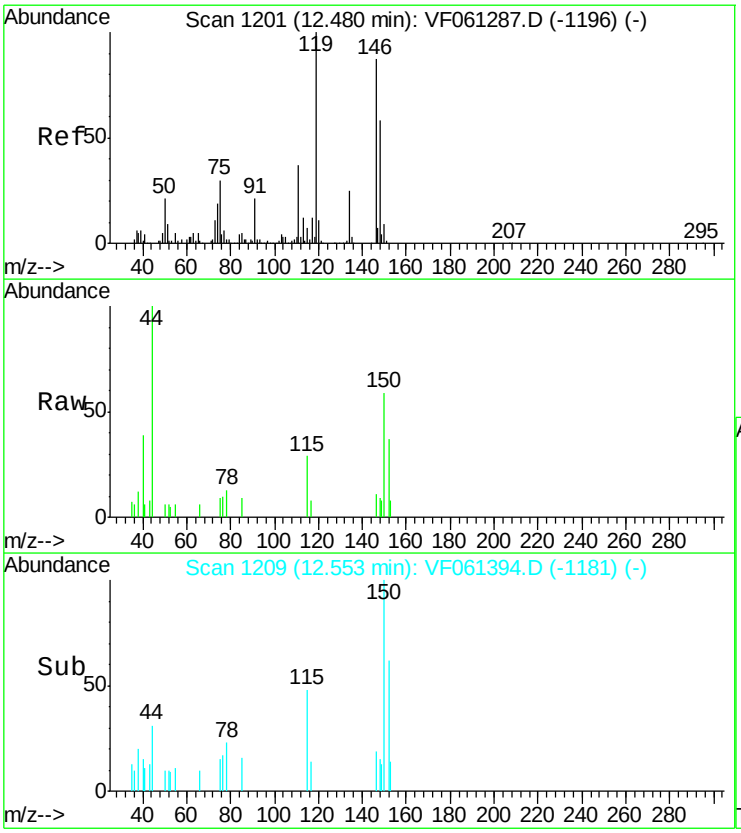
#86
p-Isopropyltoluene
Concen: 2.922 ug/l
RT: 12.44 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 356

Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.0	39.0#
91	0.0	12.2	36.4#

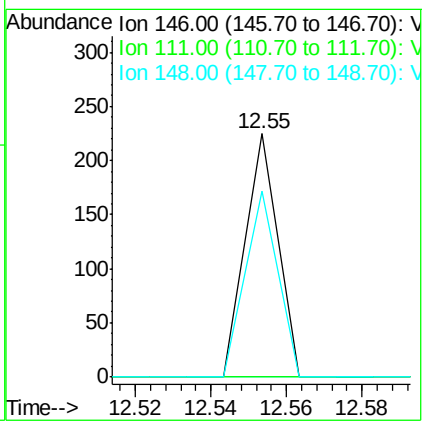


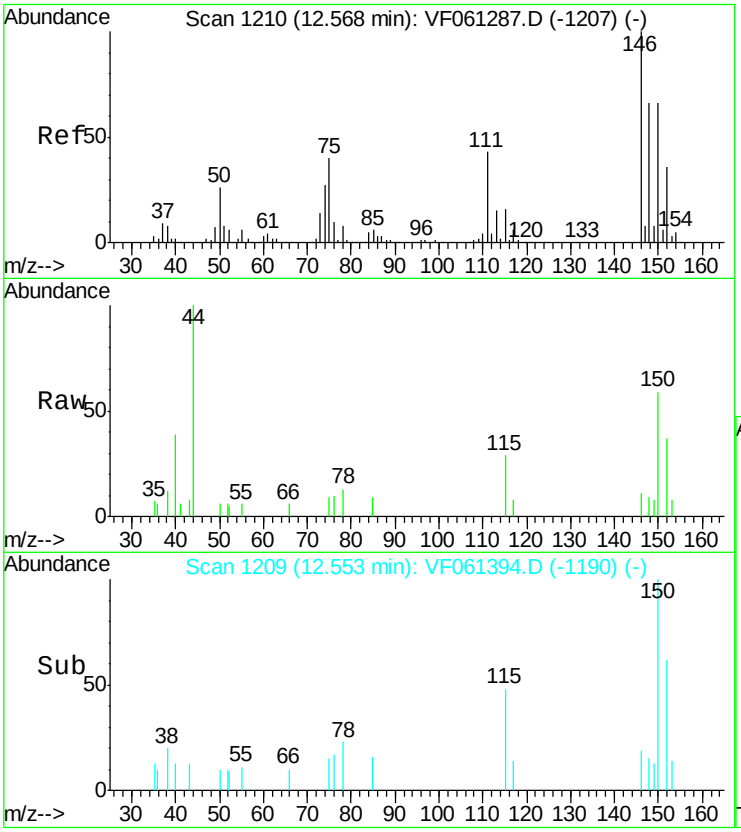


#87
1,3-Dichlorobenzene
Concen: 2.580 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.07 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:146 Resp: 133

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.3#
148	76.4	33.1	99.5



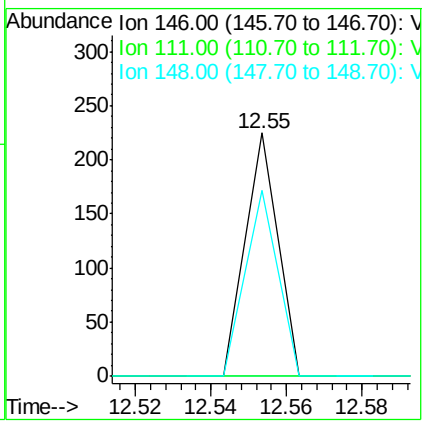


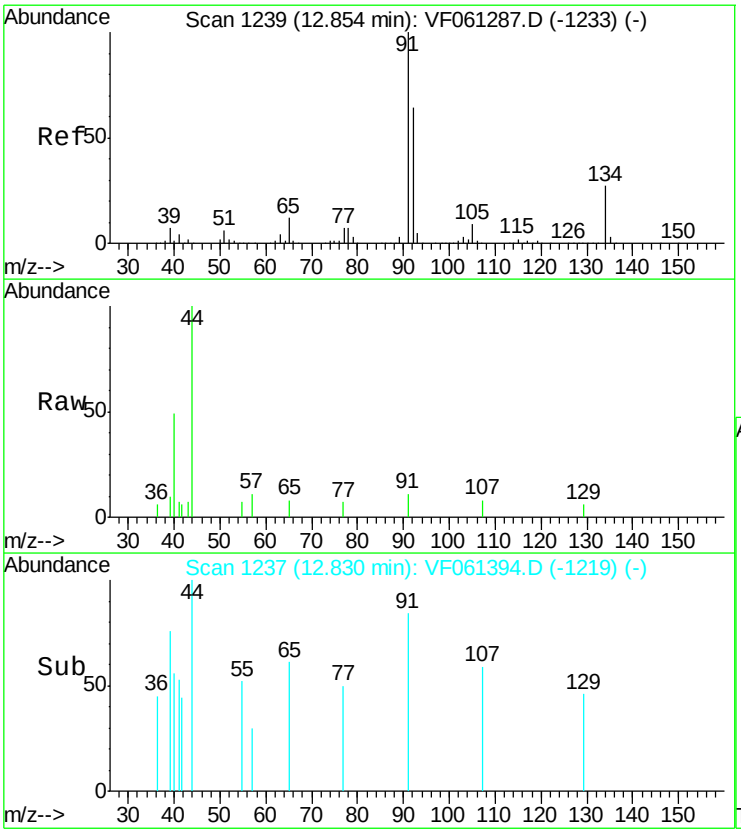
#88
1,4-Dichlorobenzene
Concen: 2.683 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 133

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.2#
148	76.4	33.0	98.9

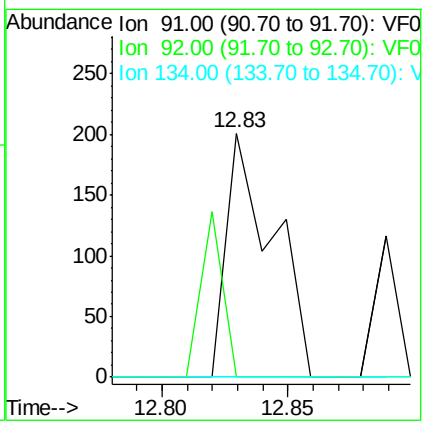


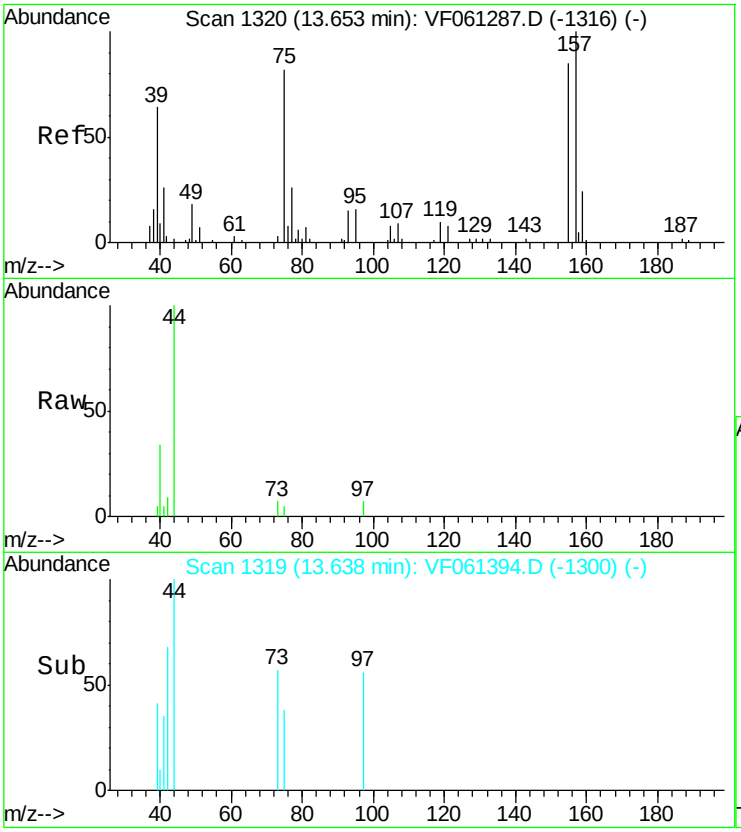


#89
n-Butylbenzene
Concen: 2.061 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion: 91 Resp: 258

Ion	Ratio	Lower	Upper
91	100		
92	0.0	32.1	96.3#
134	0.0	13.4	40.1#



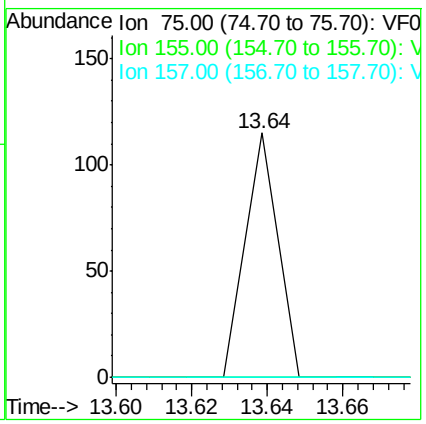


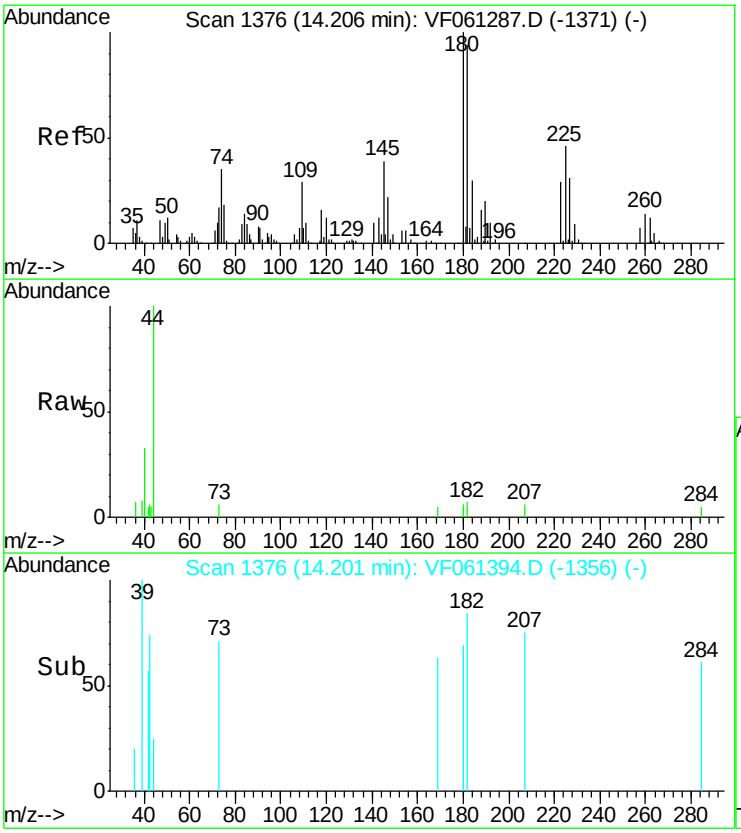
#92
1,2-Dibromo-3-Chloropropane
Concen: 19.128 ug/l
RT: 13.64 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 68

Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.3	154.0#
157	0.0	60.7	182.0#

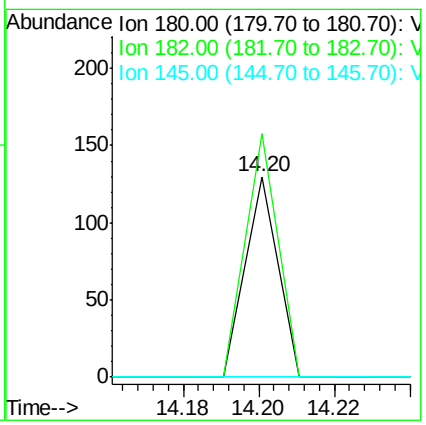


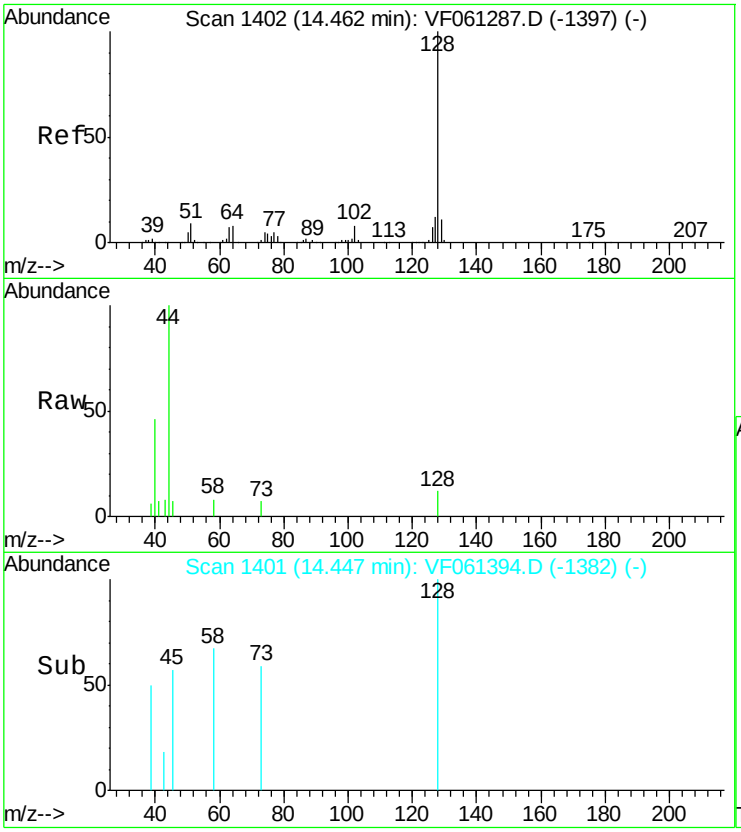


#93
1,2,4-Trichlorobenzene
Concen: 2.274 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:180 Resp: 77

Ion	Ratio	Lower	Upper
180	100		
182	121.5	47.0	141.2
145	0.0	19.7	59.1#



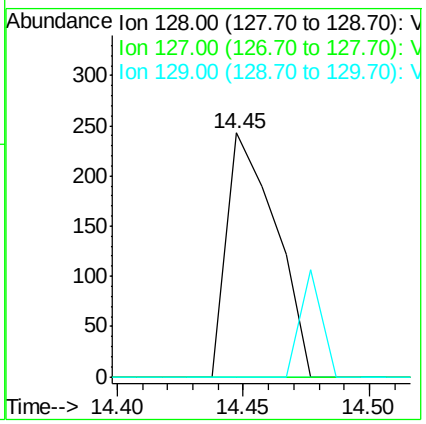


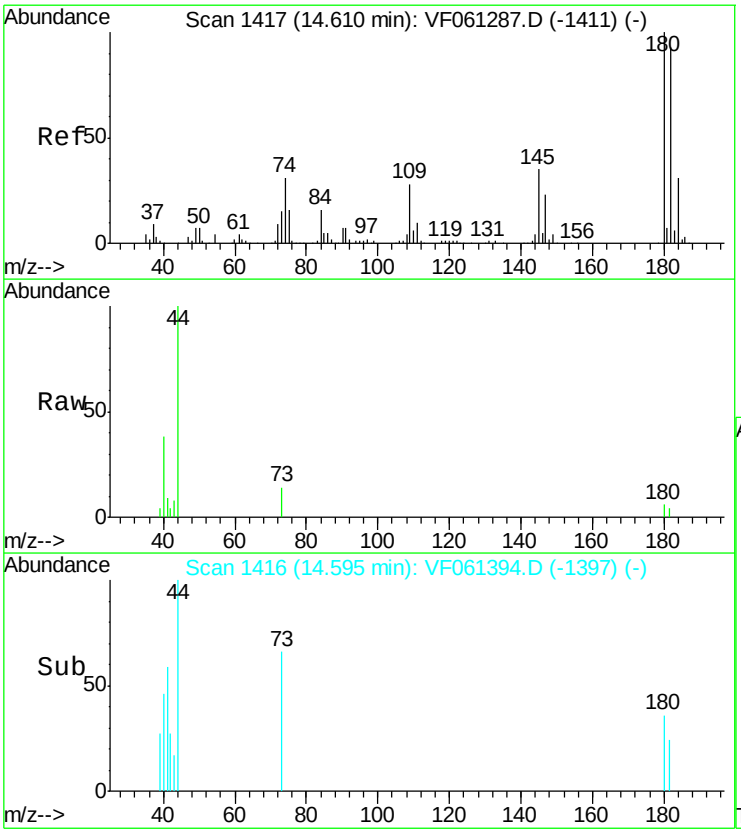
#95
Naphthalene
Concen: 5.140 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 328

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.0#
129	0.0	8.8	13.2#





#96
1,2,3-Trichlorobenzene
Concen: 2.978 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061394.D
Acq: 14 Jan 2019 17:32

Tgt Ion:180 Resp: 95

Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.5	139.3#
145	0.0	17.5	52.6#