Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
Data File : VF061144.D
Acq On : 22 Dec 2018 15:02
Operator : VA/AP
Sample : J6188-03RE
Misc : 6.76g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Quant Time: Dec 24 02:56:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	160983	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	306267	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	230329	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	77402	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	134595	65.01	ug/l	0.03
Spiked Amount 50.000			Recovery = 130.02%			
35) Dibromofluoromethane	4.14	113	151100	61.59	ug/l	0.03
Spiked Amount 50.000			Recovery = 123.18%			
50) Toluene-d8	7.57	98	362966	52.21	ug/l	0.02
Spiked Amount 50.000			Recovery = 104.42%			
62) 4-Bromofluorobenzene	11.43	95	134943	42.10	ug/l	0.02
Spiked Amount 50.000			Recovery = 84.20%			
Target Compounds						Qvalue
8) Diethyl Ether	1.64	74	1694	3.407	ug/l	71
11) Tert butyl alcohol	2.60	59	125	1.496	ug/l #	1
13) Acrolein	2.14	56	554	9.176	ug/l	99
15) Acrylonitrile	2.95	53	793	4.104	ug/l #	49
16) Acetone	2.25	43	6867	16.590	ug/l	97
18) Methyl Acetate	2.38	43	3225	3.766	ug/l #	83
20) Methylene Chloride	2.25	84	3685	Below Cal	#	89
25) 2-Butanone	4.38	43	1804	2.687	ug/l #	57
51) 4-Methyl-2-Pentanone	8.29	43	2484	2.029	ug/l	91
52) Toluene	7.64	92	10587	2.012	ug/l	93
59) 2-Hexanone	9.52	43	3441	3.887	ug/l	68
68) m/p-Xylenes	10.16	106	3582	1.174	ug/l	93
70) Styrene	10.82	104	485	Below Cal		91
74) N-amyl acetate	11.39	43	2406	1.625	ug/l #	87
87) 1,3-Dichlorobenzene	12.58	146	975	Below Cal		78
95) Naphthalene	14.47	128	6001	1.805	ug/l	98

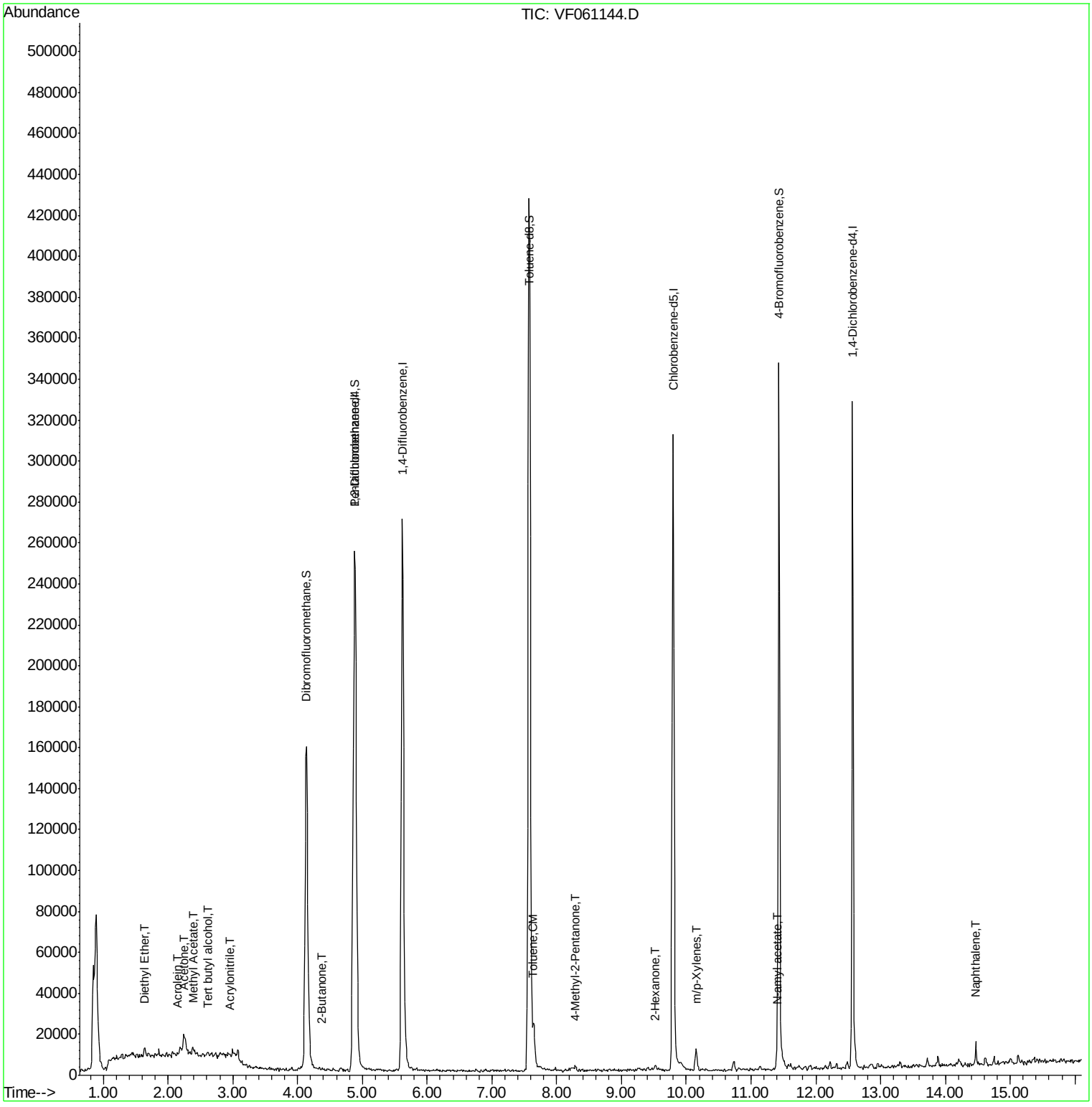
(#) = qualifier out of range (m) = manual integration (+) = signals summed

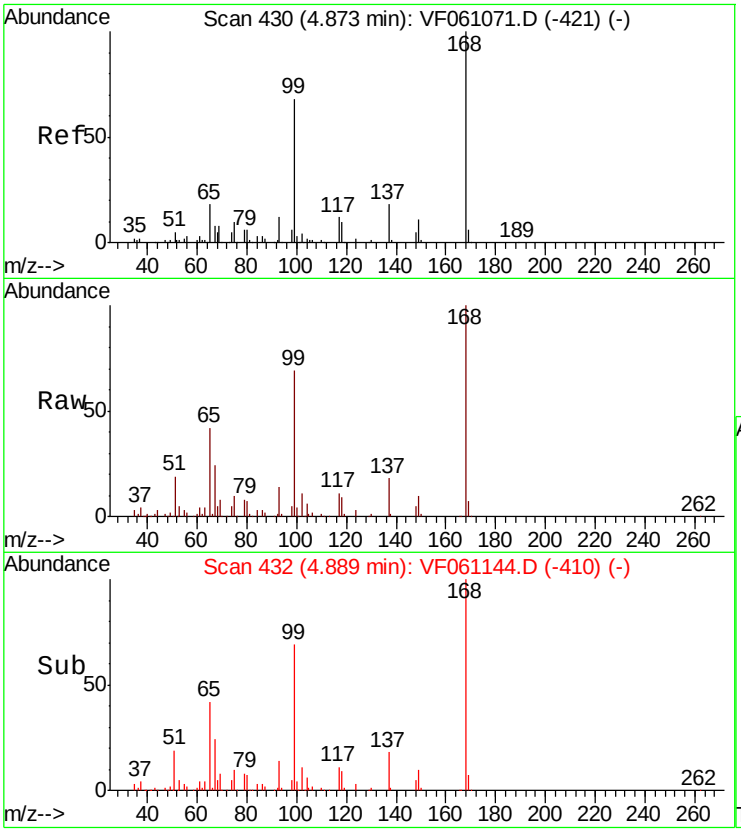
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122218\
Data File : VF061144.D
Acq On : 22 Dec 2018 15:02
Operator : VA/AP
Sample : J6188-03RE
Misc : 6.76g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Quant Time: Dec 24 02:56:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



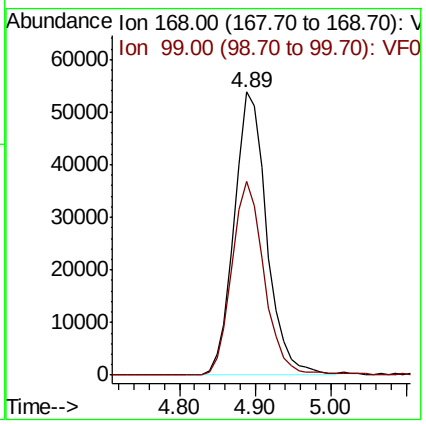


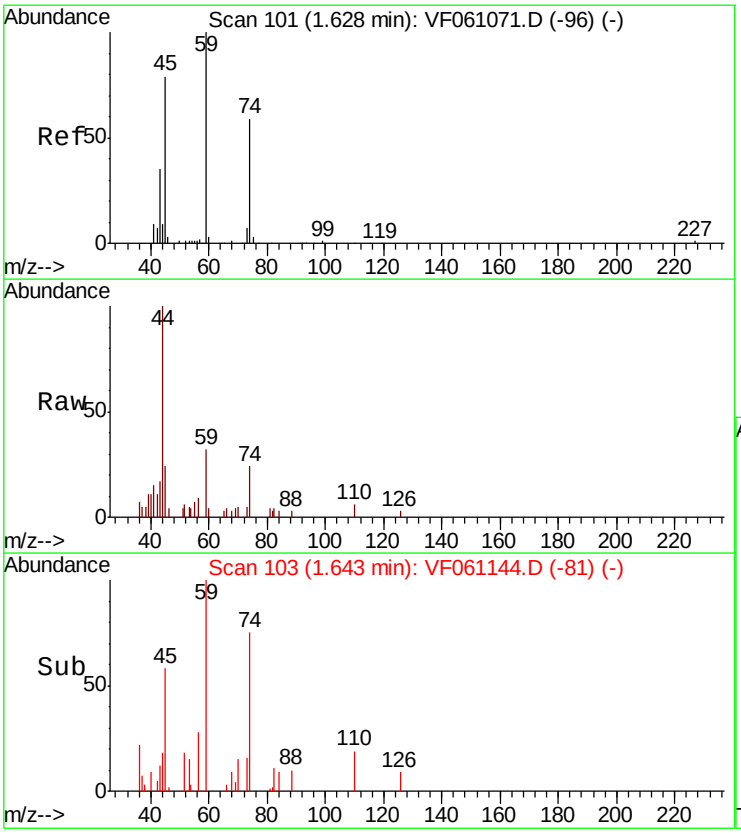
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion:168 Resp: 160983

Ion	Ratio	Lower	Upper
168	100		
99	68.5	54.4	81.6

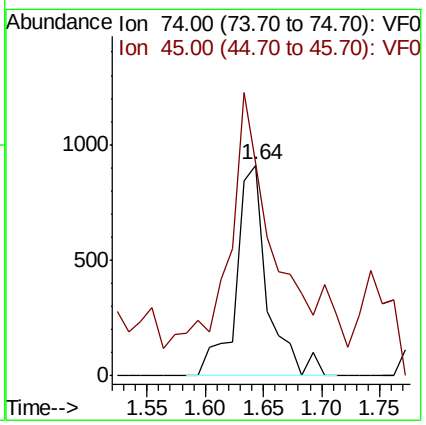


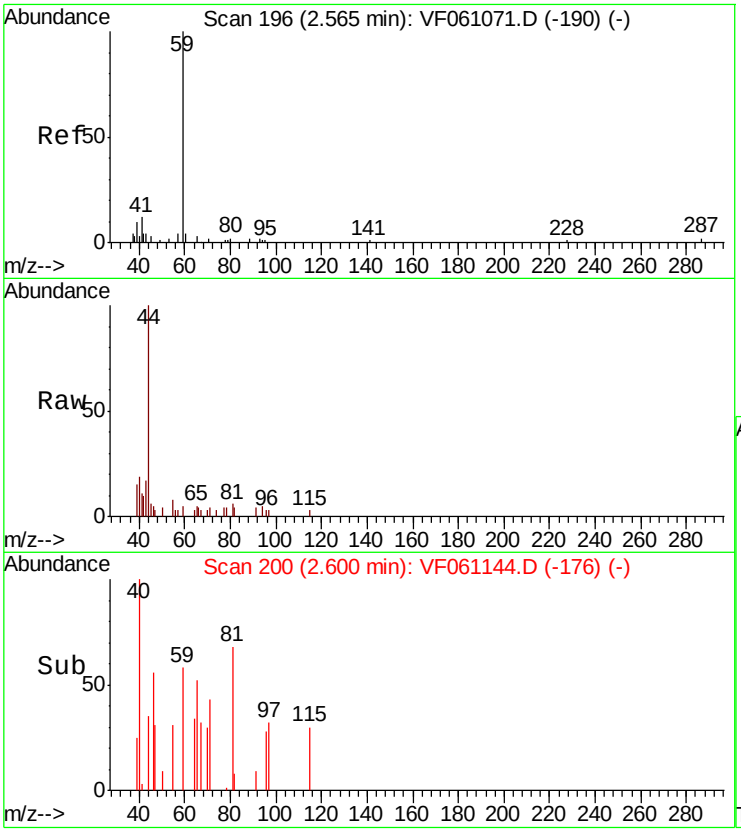


#8
Diethyl Ether
Concen: 3.407 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 74 Resp: 1694

Ion	Ratio	Lower	Upper
74	100		
45	101.0	67.8	203.4



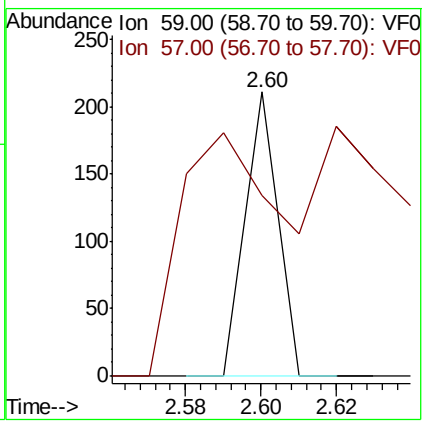


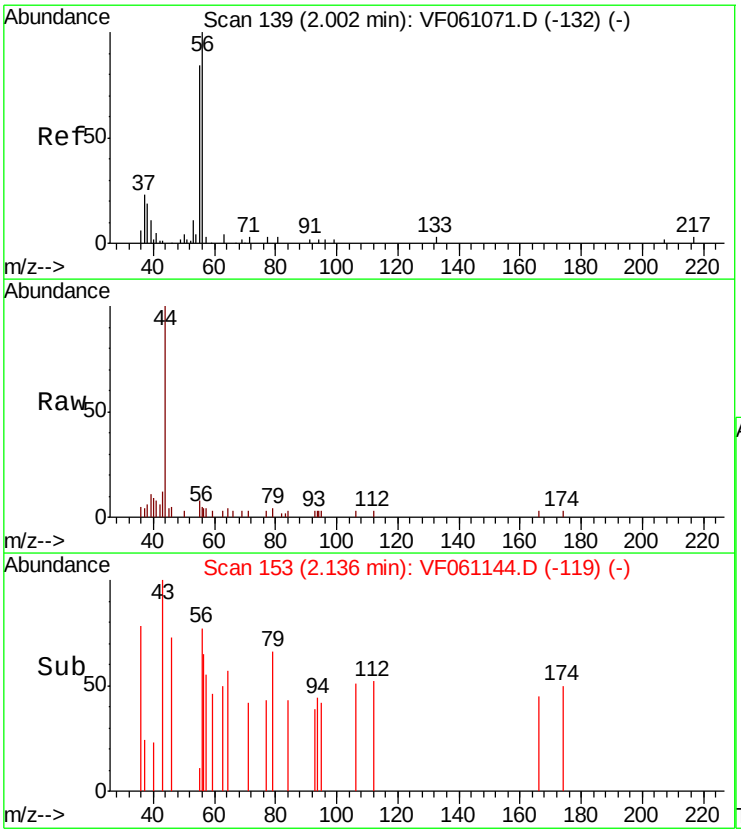
#11
Tert butyl alcohol
Concen: 1.496 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion: 59 Resp: 125

Ion	Ratio	Lower	Upper
59	100		
57	63.5	11.5	17.3#

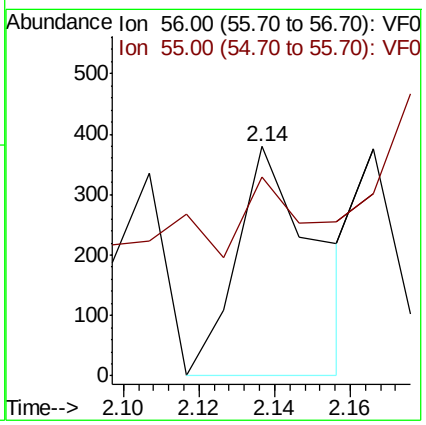


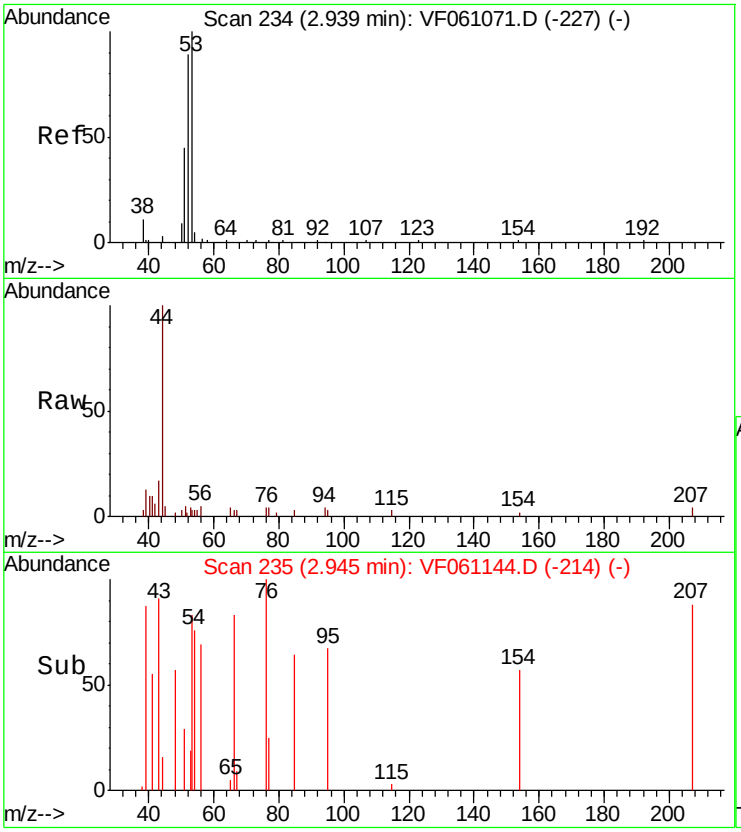


#13
Acrolein
Concen: 9.176 ug/l
RT: 2.14 min Scan# 153
Delta R.T. 0.13 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 56 Resp: 554

Ion	Ratio	Lower	Upper
56	100		
55	87.1	70.2	105.2



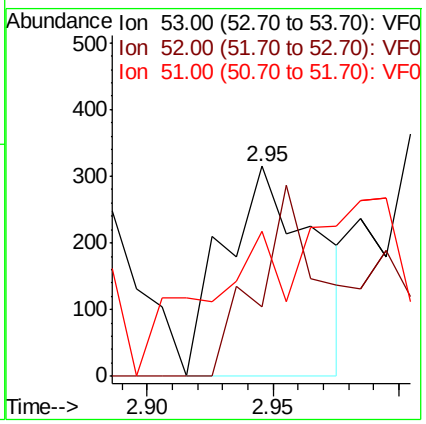


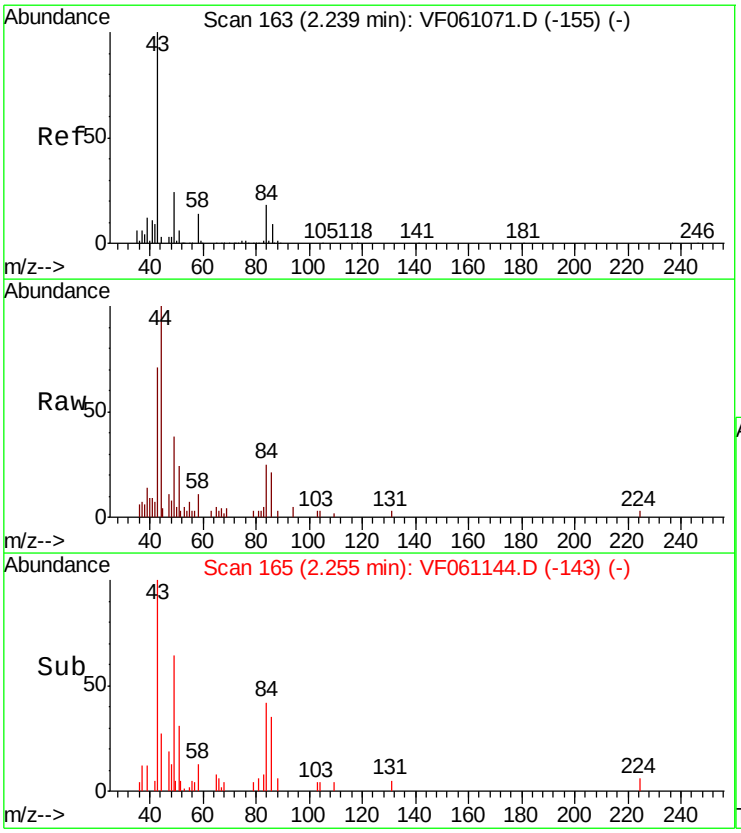
#15
Acrylonitrile
Concen: 4.104 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.01 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion: 53 Resp: 793

Ion	Ratio	Lower	Upper
53	100		
52	33.0	71.3	106.9#
51	68.9	36.8	55.2#

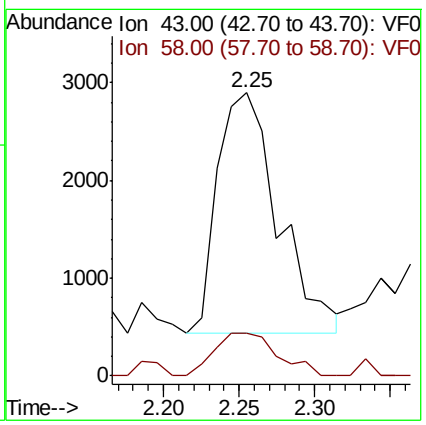


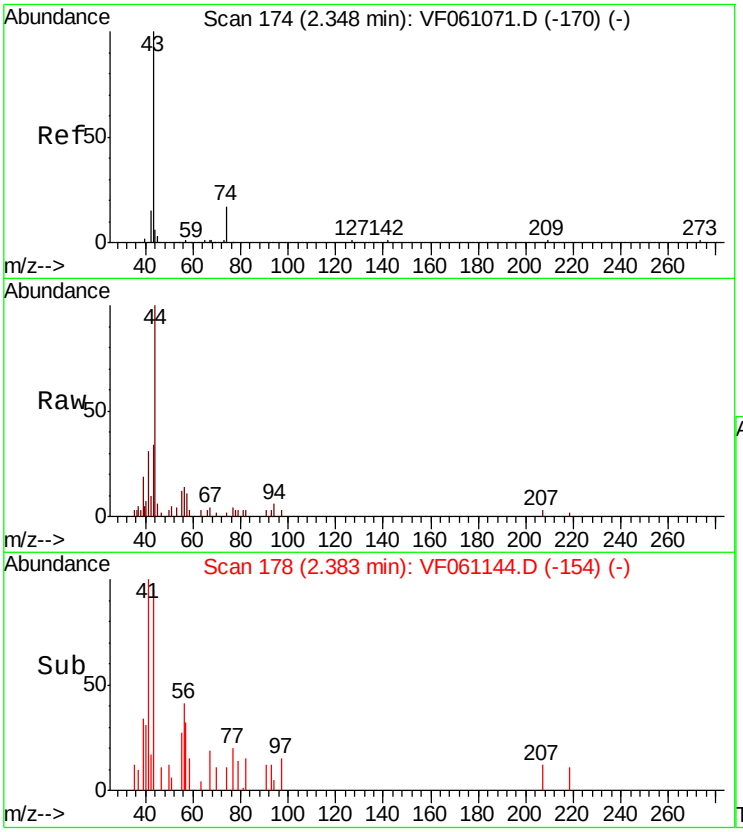


#16
Acetone
Concen: 16.590 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 43 Resp: 6867

Ion	Ratio	Lower	Upper
43	100		
58	15.3	11.1	16.7



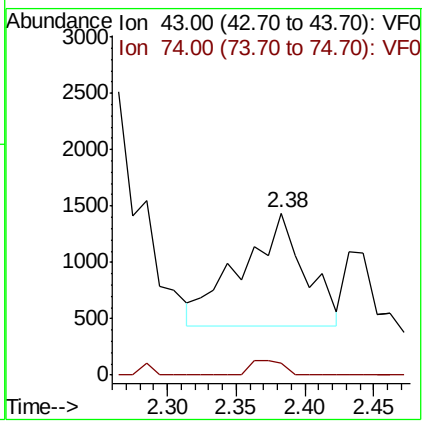


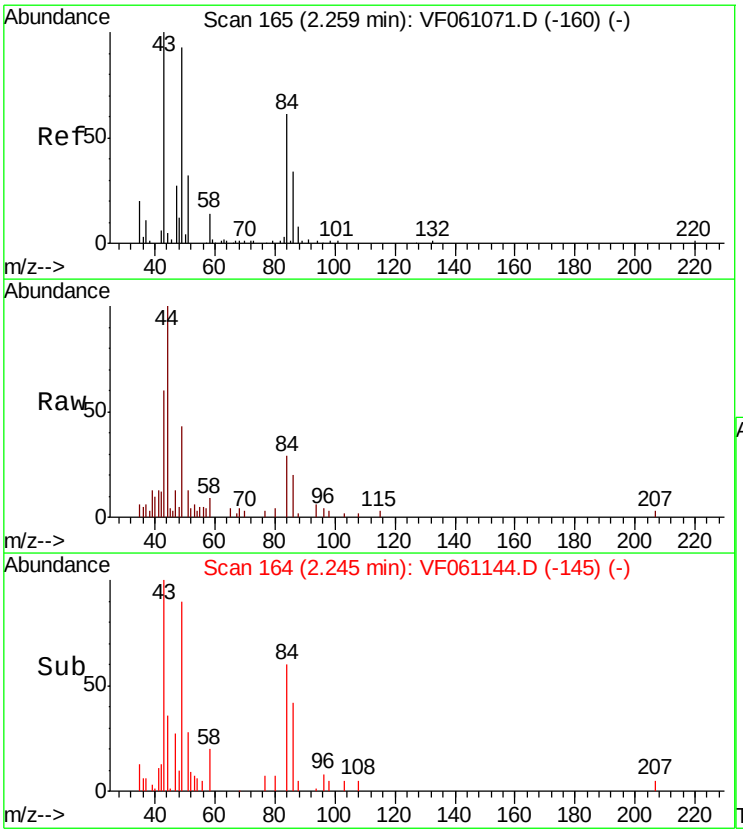
#18
Methyl Acetate
Concen: 3.766 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.04 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion: 43 Resp: 3225

Ion	Ratio	Lower	Upper
43	100		
74	7.1	11.0	16.6#

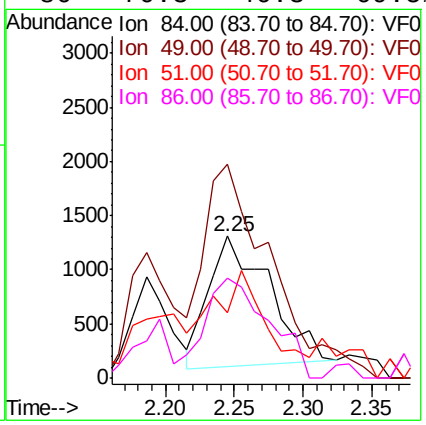


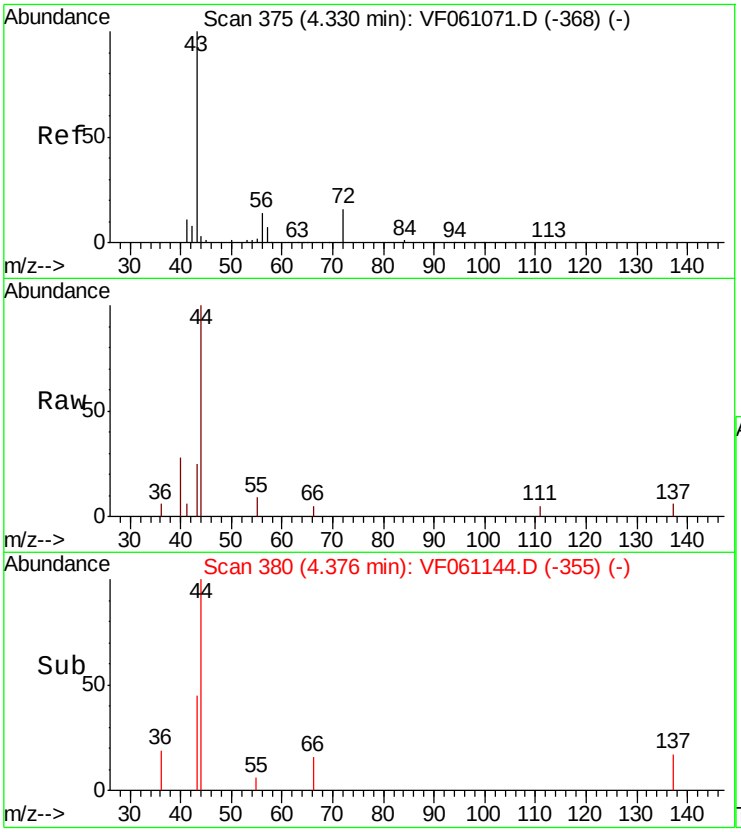


#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 84 Resp: 3685

Ion	Ratio	Lower	Upper
84	100		
49	150.7	129.4	194.2
51	46.5	44.0	66.0
86	70.3	46.3	69.5#



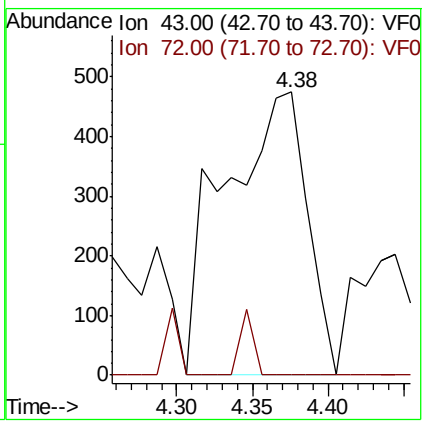


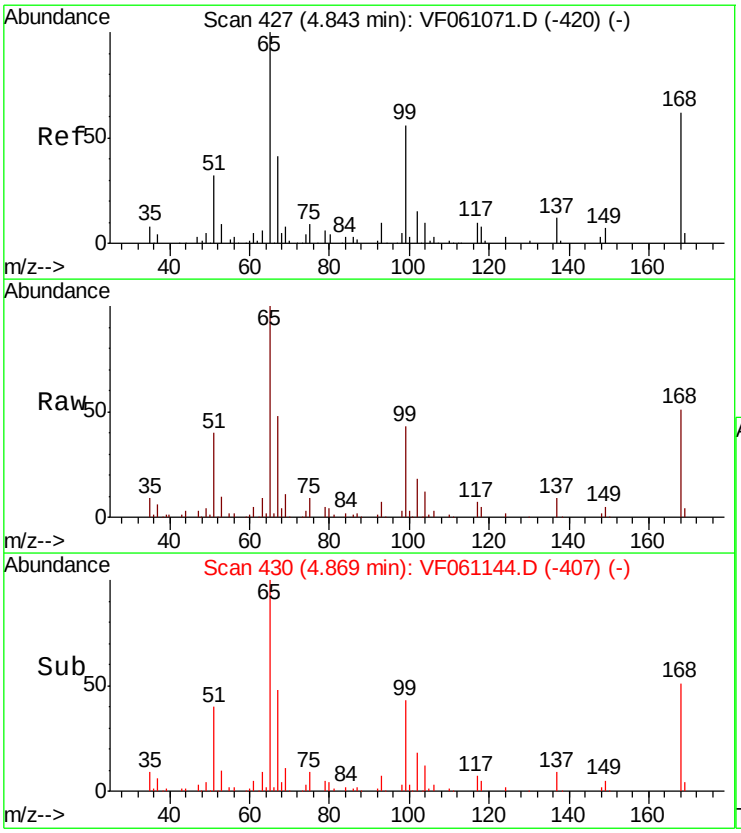
#25
2-Butanone
Concen: 2.687 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.05 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion: 43 Resp: 1804

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#

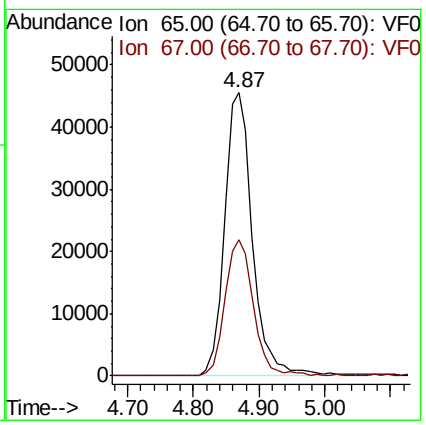


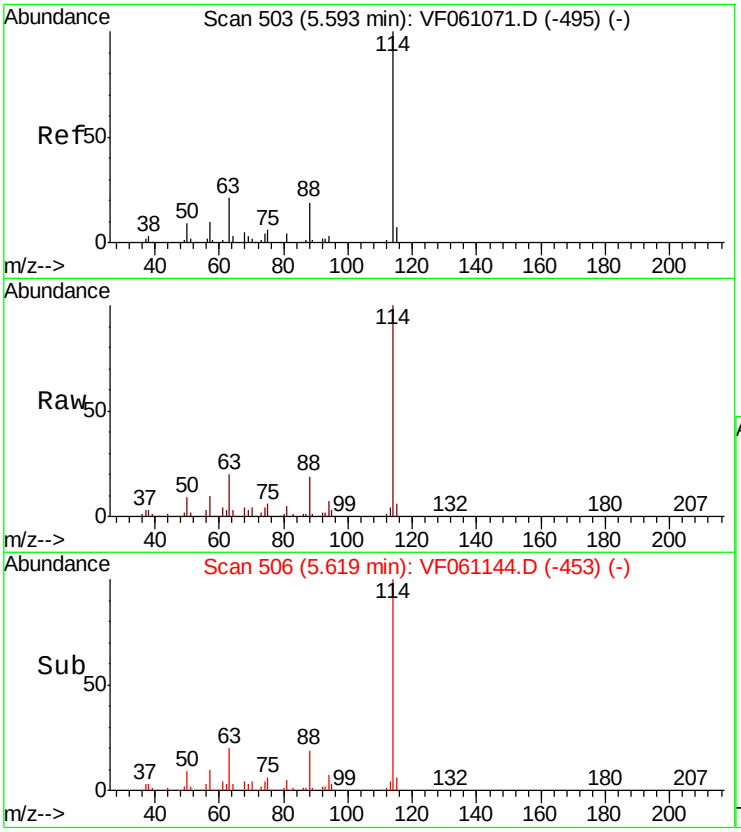


#33
1,2-Dichloroethane-d4
Concen: 65.005 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 65 Resp: 134595

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	94.6



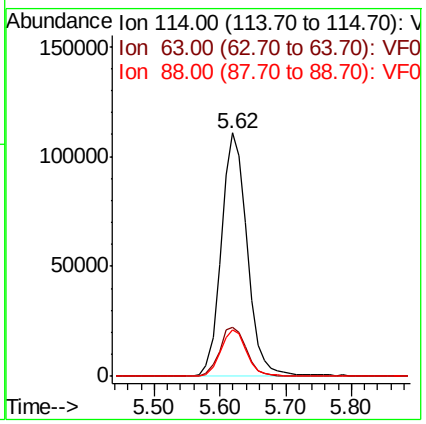


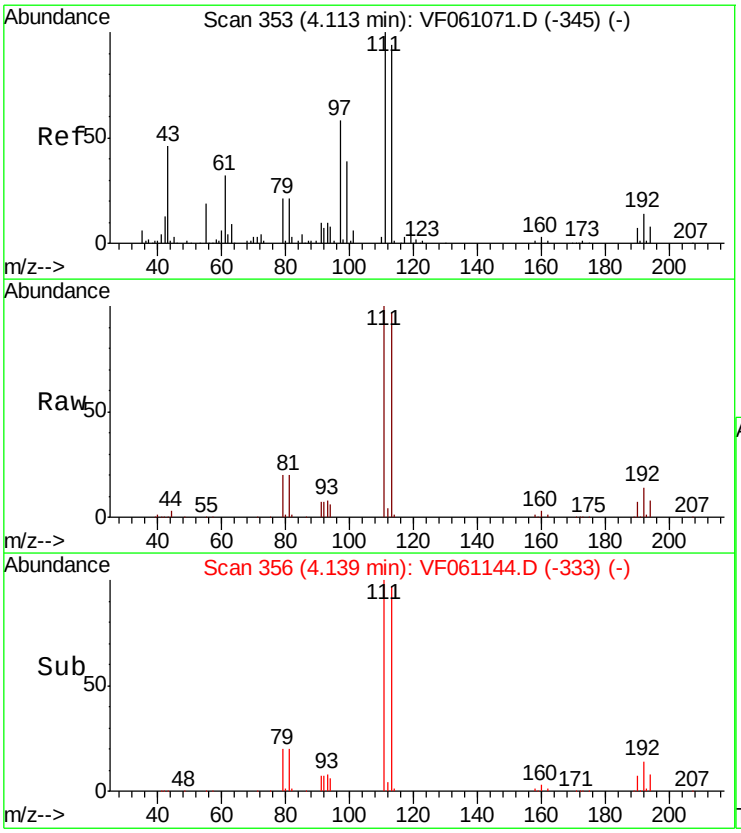
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion:114 Resp: 306267

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.6
88	19.1	0.0	38.0

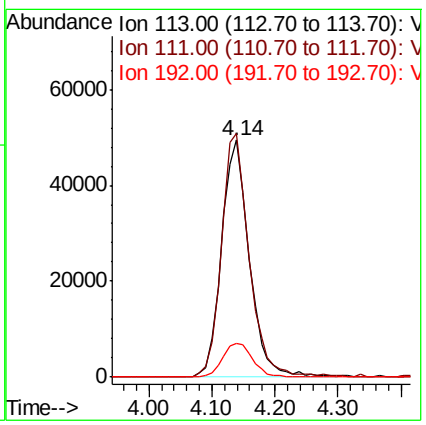


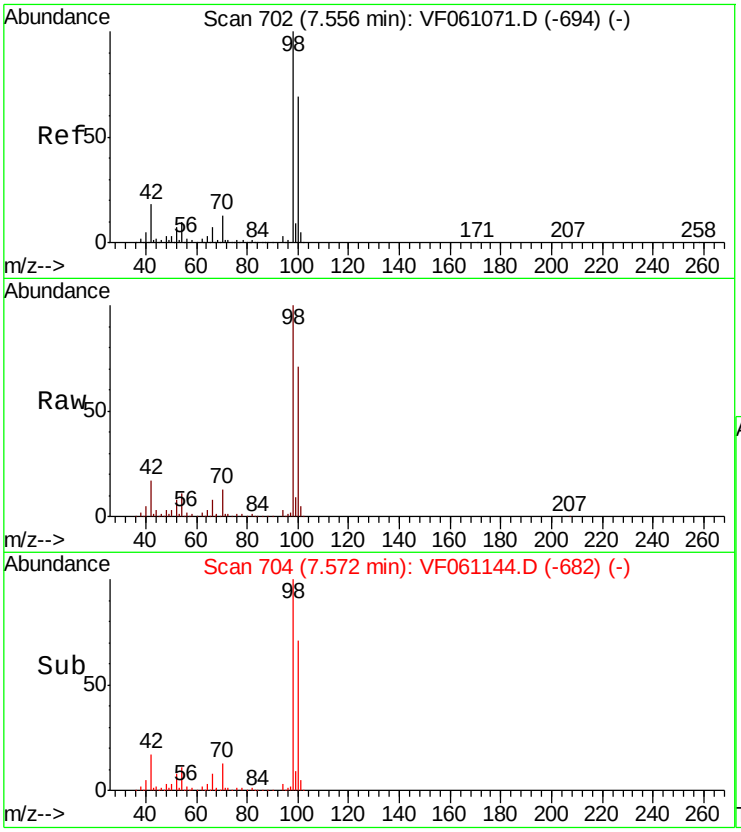


#35
Dibromofluoromethane
Concen: 61.589 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion:113 Resp: 151100

Ion	Ratio	Lower	Upper
113	100		
111	102.9	85.2	127.8
192	15.1	12.8	19.2



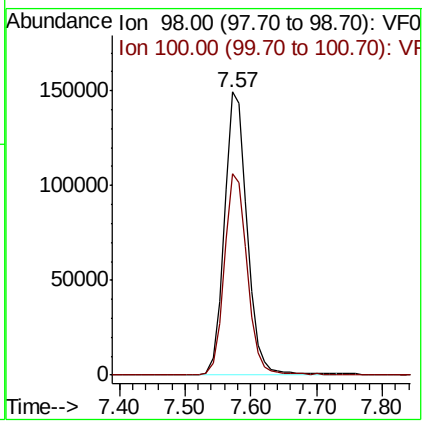


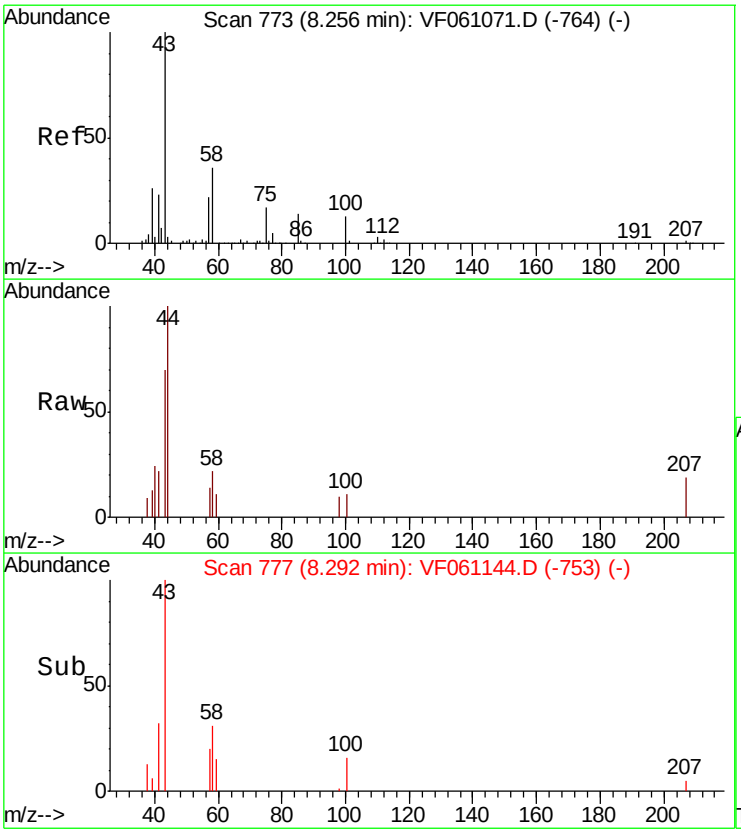
#50
Toluene-d8
Concen: 52.206 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion: 98 Resp: 362966

Ion	Ratio	Lower	Upper
98	100		
100	71.3	55.3	82.9

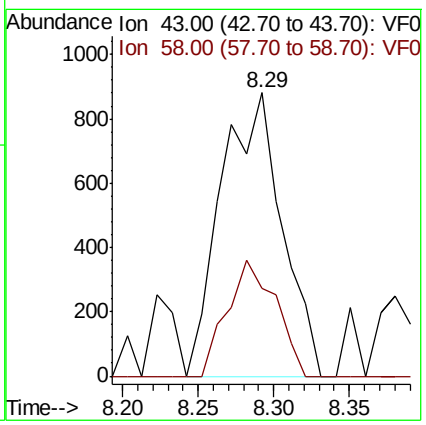


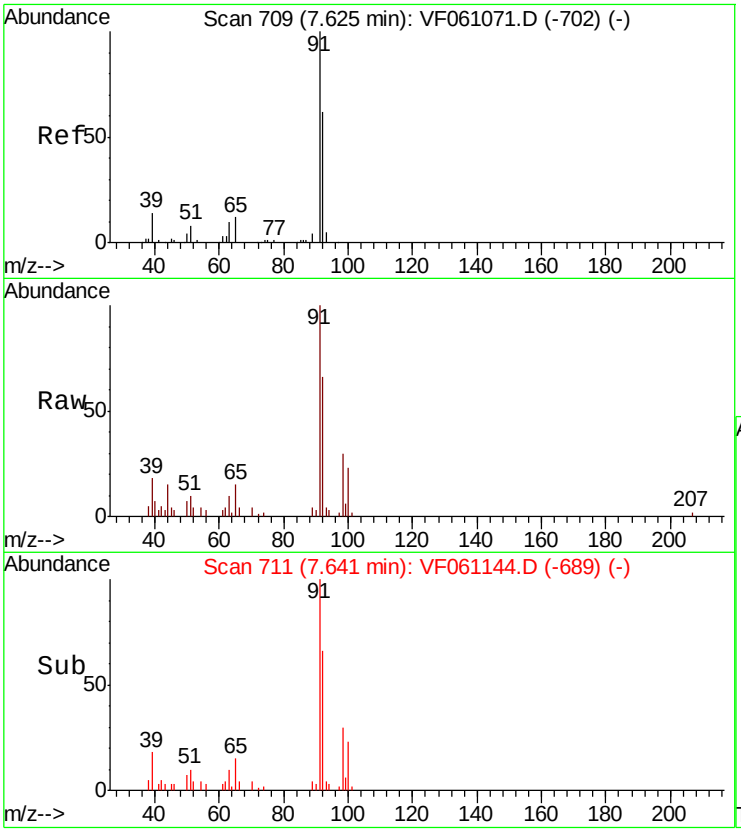


#51
4-Methyl-2-Pentanone
Concen: 2.029 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.04 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 43 Resp: 2484

Ion	Ratio	Lower	Upper
43	100		
58	31.1	29.1	43.7



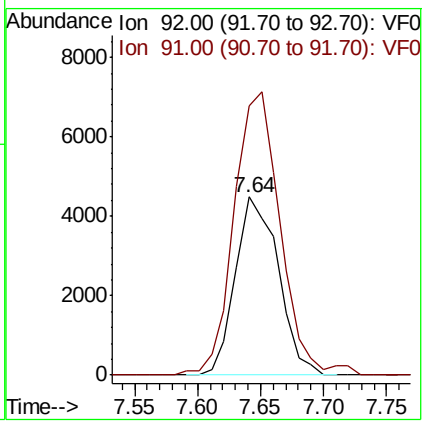


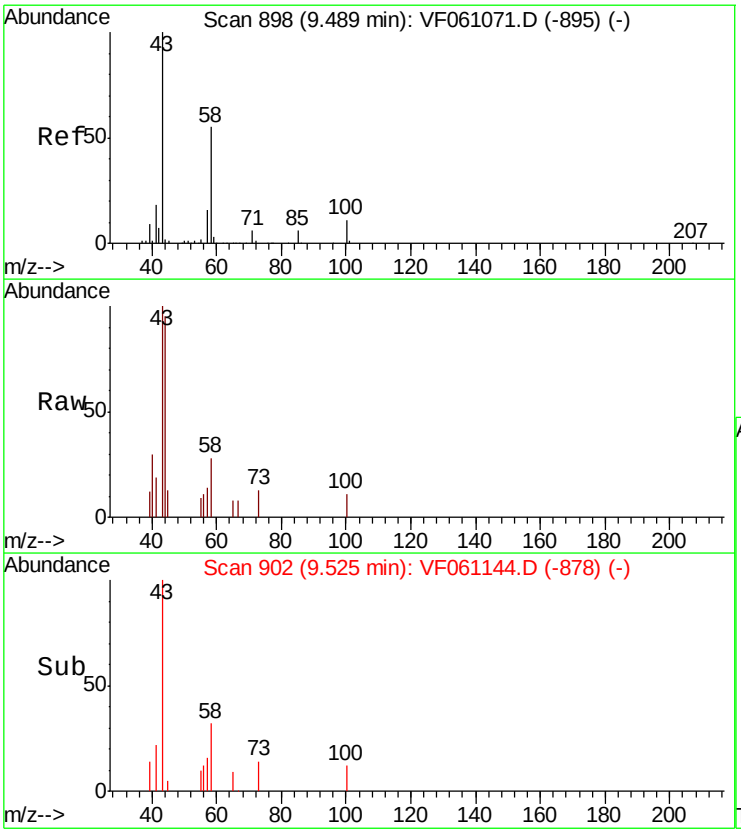
#52
Toluene
Concen: 2.012 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion: 92 Resp: 10587

Ion	Ratio	Lower	Upper
92	100		
91	151.4	128.8	193.2

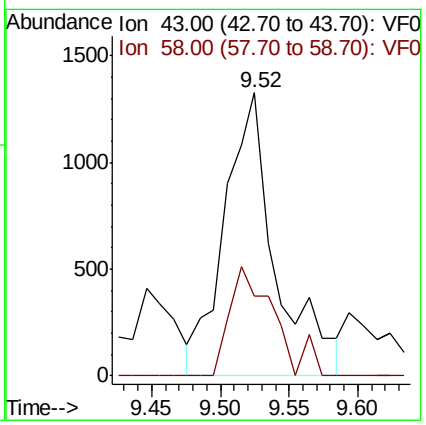


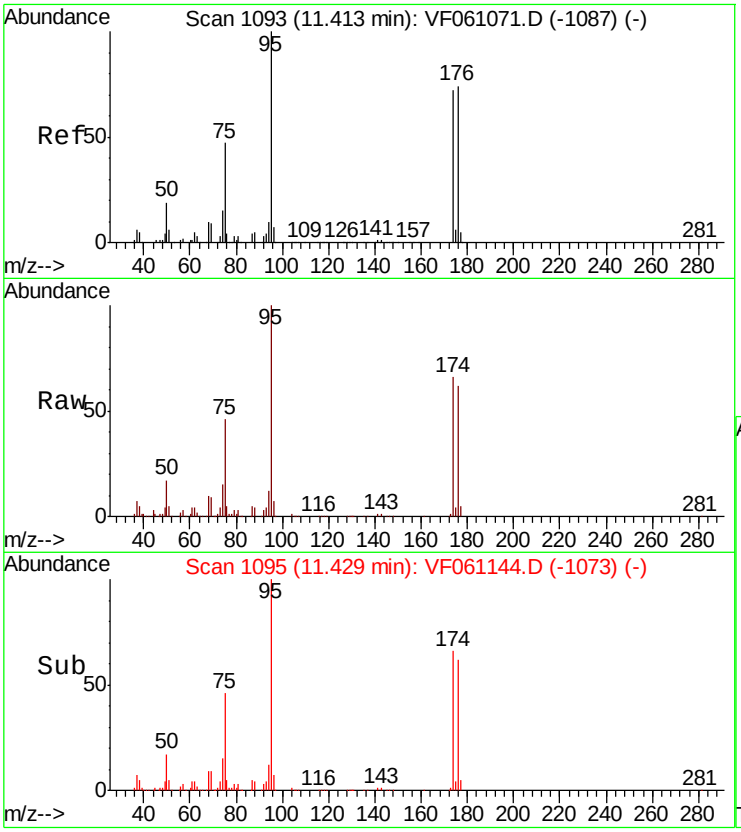


#59
2-Hexanone
Concen: 3.887 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 43 Resp: 3441

Ion	Ratio	Lower	Upper
43	100		
58	28.2	25.1	75.2



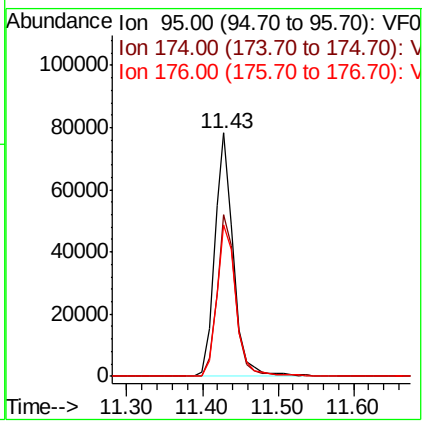


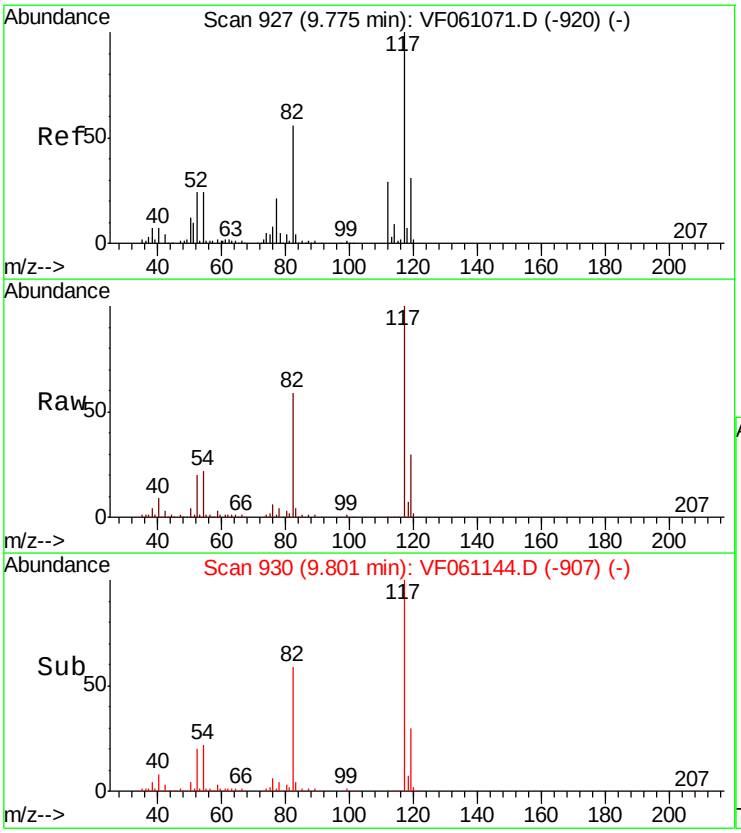
#62
4-Bromofluorobenzene
Concen: 42.101 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion: 95 Resp: 134943

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	143.8
176	62.3	0.0	147.6

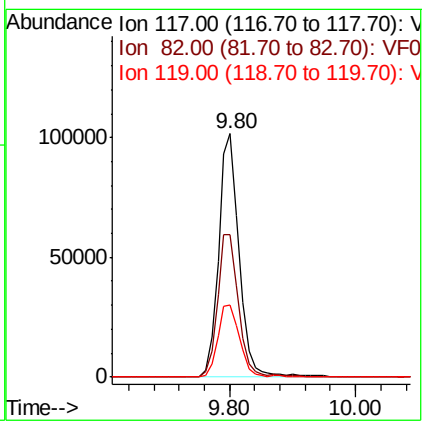


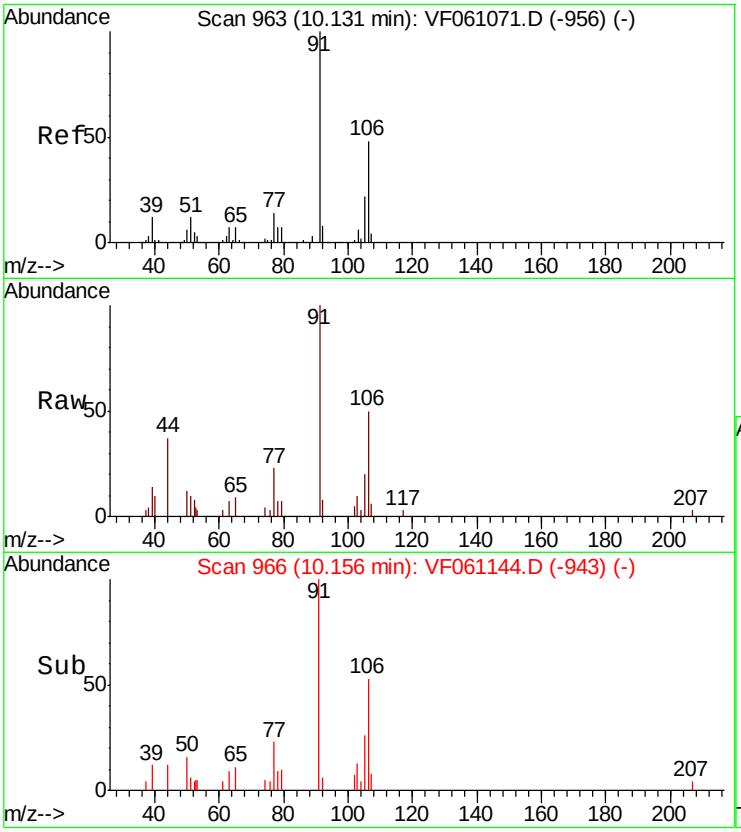


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion:117 Resp: 230329

Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.0	67.4
119	29.8	24.8	37.2



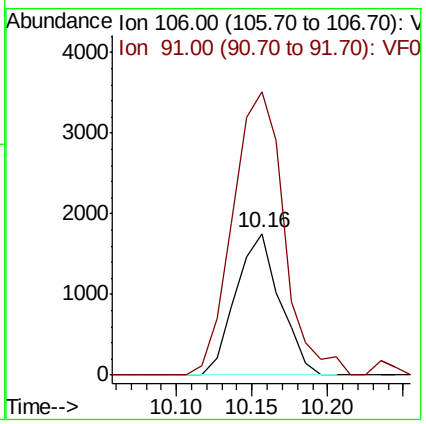


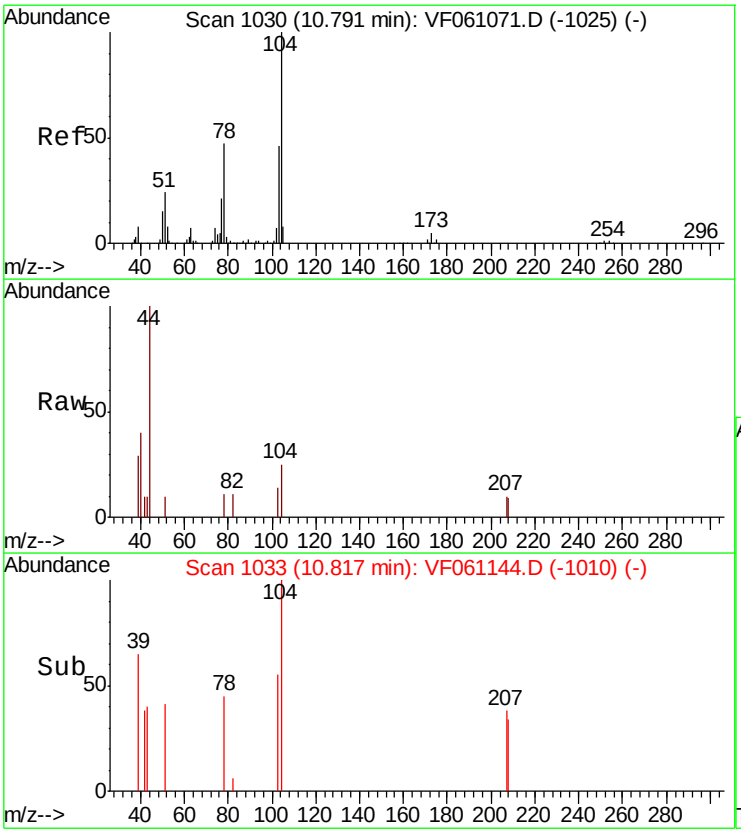
#68
m/p-Xylenes
Concen: 1.174 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
BU-01-122018

Tgt Ion:106 Resp: 3582

Ion	Ratio	Lower	Upper
106	100		
91	199.8	168.2	252.2

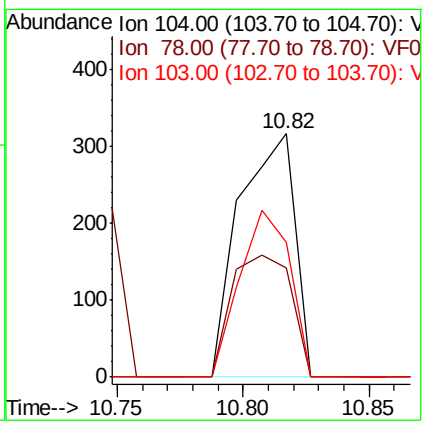


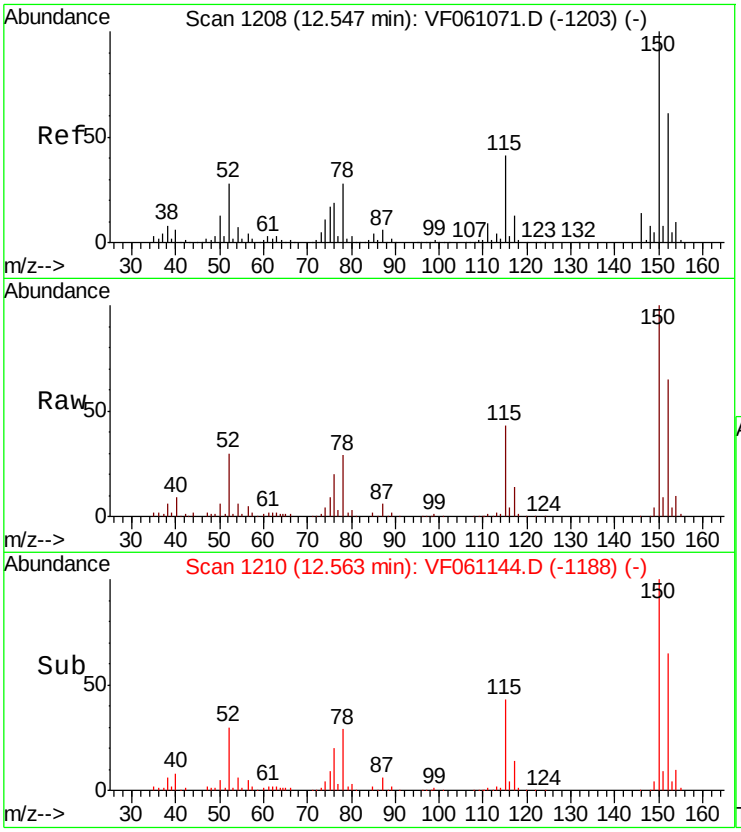


#70
Styrene
Concen: Below Cal
RT: 10.82 min Scan# 1033
Delta R.T. 0.03 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion:104 Resp: 485

Ion	Ratio	Lower	Upper
104	100		
78	44.8	38.4	57.6
103	55.2	37.0	55.6



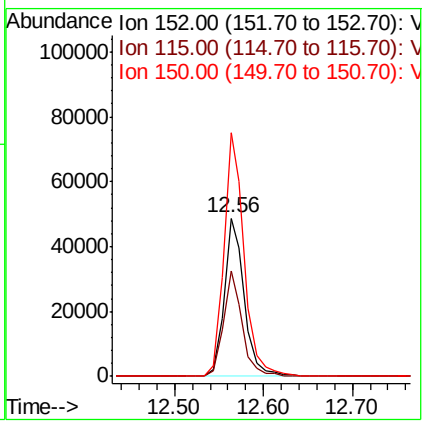


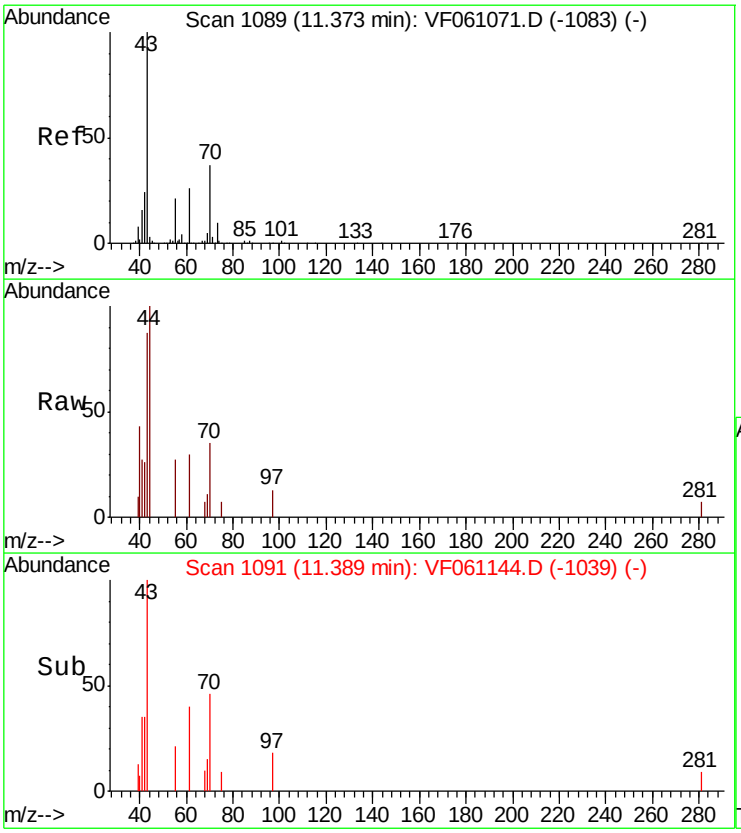
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion:152 Resp: 77402

Ion	Ratio	Lower	Upper
152	100		
115	66.8	33.3	99.9
150	154.2	0.0	328.2

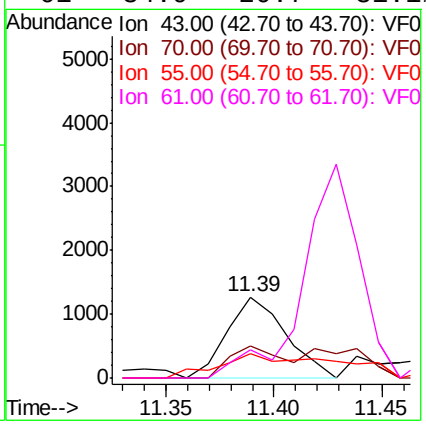


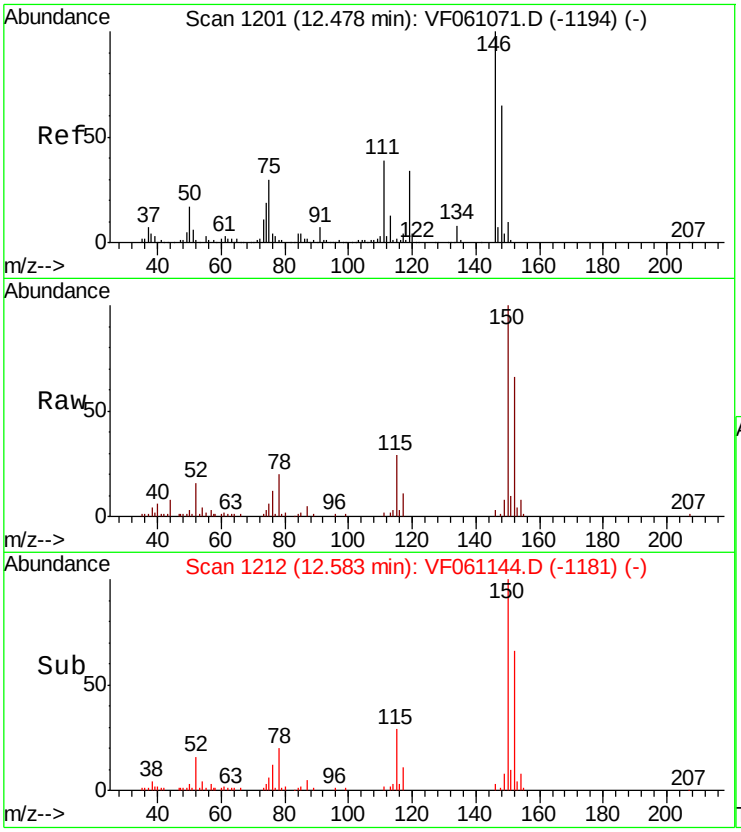


#74
N-amyl acetate
Concen: 1.625 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion: 43 Resp: 2406

Ion	Ratio	Lower	Upper
43	100		
70	39.9	29.2	43.8
55	30.8	16.5	24.7#
61	34.9	20.7	31.1#



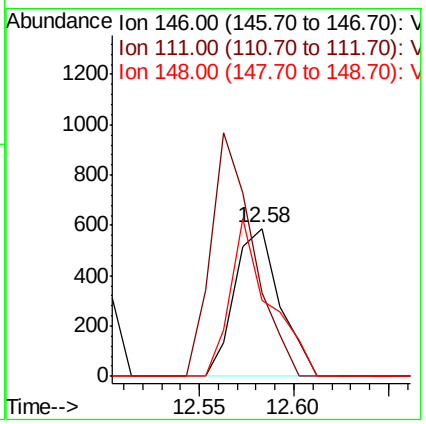


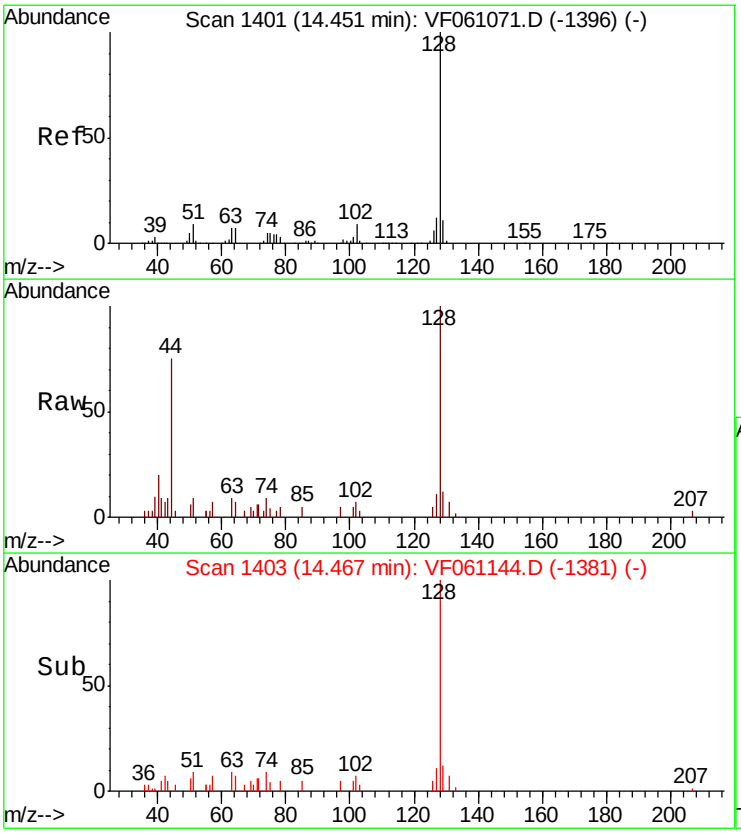
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.58 min Scan# 1212
Delta R.T. 0.10 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Instrument : MSVOA_F
ClientSampleId : BU-01-122018

Tgt Ion:146 Resp: 975

Ion	Ratio	Lower	Upper
146	100		
111	56.1	19.3	57.9
148	51.0	32.4	97.2





#95
Naphthalene
Concen: 1.805 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VF061144.D
Acq: 22 Dec 2018 15:02

Tgt Ion:128 Resp: 6001

Ion	Ratio	Lower	Upper
128	100		
127	10.9	9.4	14.2
129	11.7	8.8	13.2