

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061380.D
 Acq On : 11 Jan 2019 20:59
 Operator : VA/AP
 Sample : K1113-02
 Misc : 5.98g/5mL/MSVOA-F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BCB-3-1500

Quant Time: Jan 12 03:35:24 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	4.85	168	197855	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	377198	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	351377	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	178565	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	120813	54.86	ug/l	-0.04
Spiked Amount 50.000			Recovery =	109.72%		
35) Dibromofluoromethane	4.09	113	145267	50.33	ug/l	-0.03
Spiked Amount 50.000			Recovery =	100.66%		
50) Toluene-d8	7.53	98	364804	42.71	ug/l	-0.04
Spiked Amount 50.000			Recovery =	85.42%		
62) 4-Bromofluorobenzene	11.39	95	186458	50.00	ug/l	-0.03
Spiked Amount 50.000			Recovery =	100.00%		

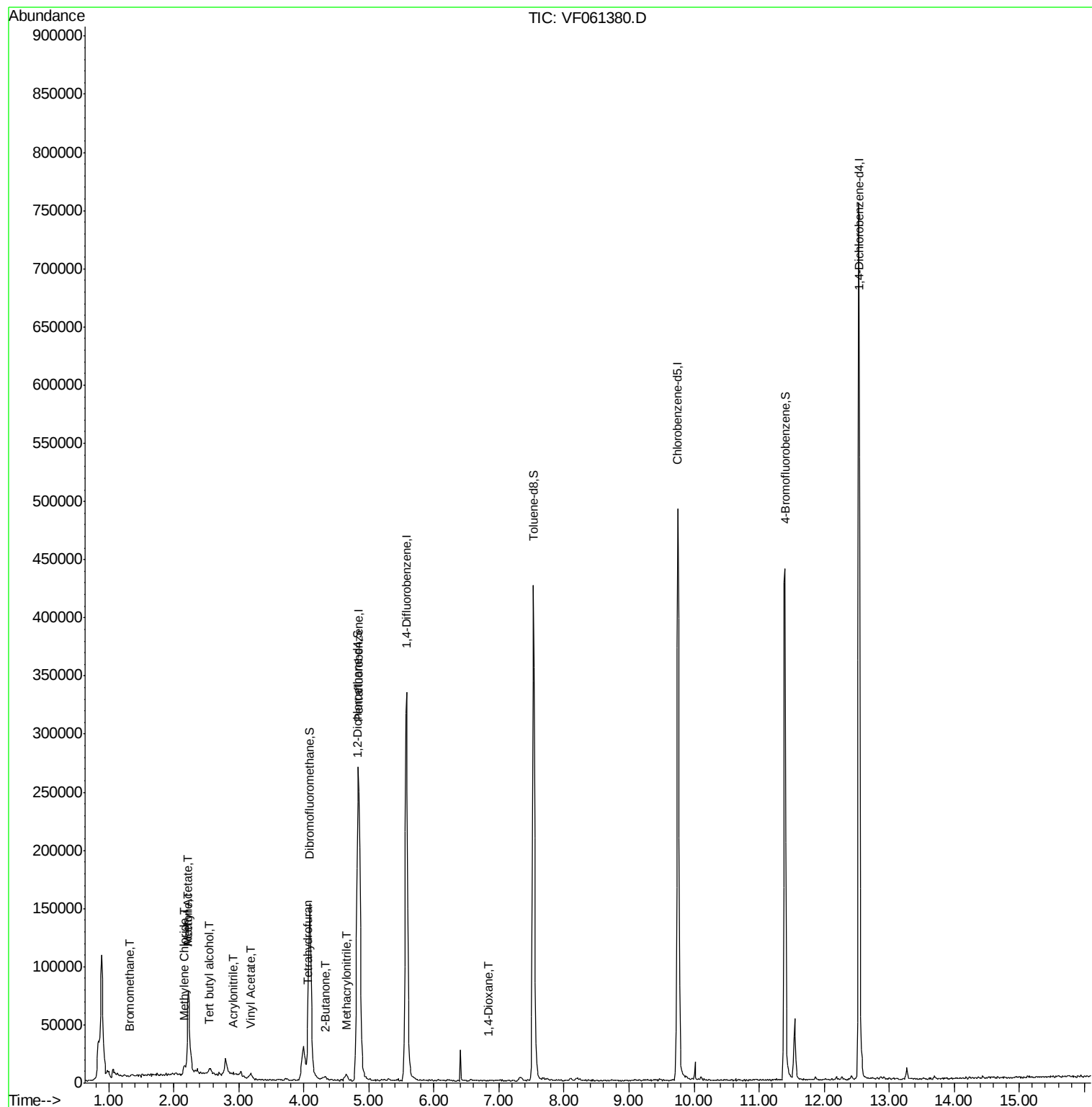
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.32	94	487	3.095	ug/l #	6
11) Tert butyl alcohol	2.56	59	8207	93.078	ug/l	92
13) Acrolein	1.94	56	192	Below Cal		99
15) Acrylonitrile	2.92	53	382	1.222	ug/l #	32
16) Acetone	2.22	43	127385	248.655	ug/l #	91
18) Methyl Acetate	2.22	43	127385	126.384	ug/l #	65
20) Methylene Chloride	2.18	84	3118	1.439	ug/l #	88
23) Vinyl Acetate	3.18	43	2533	1.178	ug/l #	77
25) 2-Butanone	4.32	43	7143	8.663	ug/l	96
29) Tetrahydrofuran	4.05	42	954	2.767	ug/l	93
41) Methacrylonitrile	4.65	41	3656	4.081	ug/l #	47
49) 1,4-Dioxane	6.84	88	128	14.758	ug/l #	20

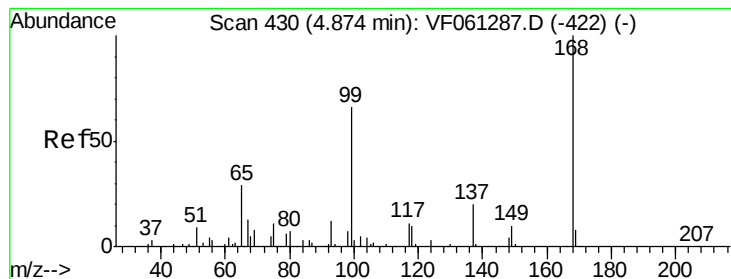
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
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BCB-3-1500

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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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061380.D

Acq: 11 Jan 2019 20:59

Instrument :

MSVOA_F

ClientSampleId :

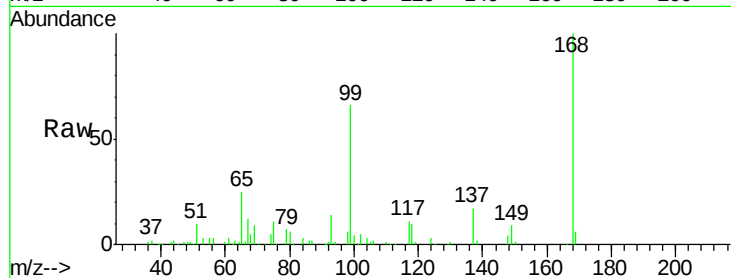
BCB-3-1500

Tot Ion:168 Resp: 197855

Ion Ratio Lower Upper

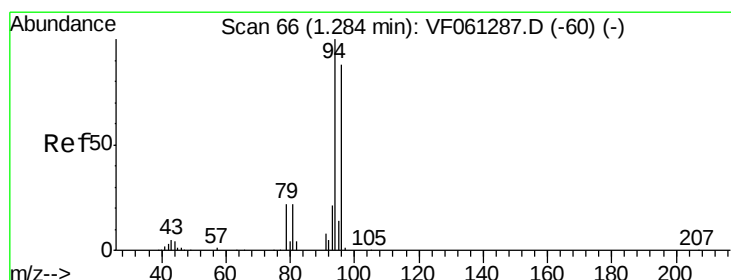
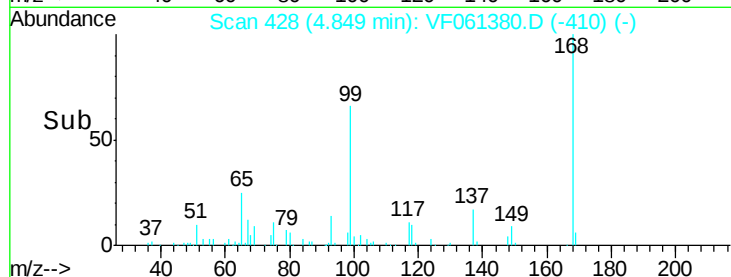
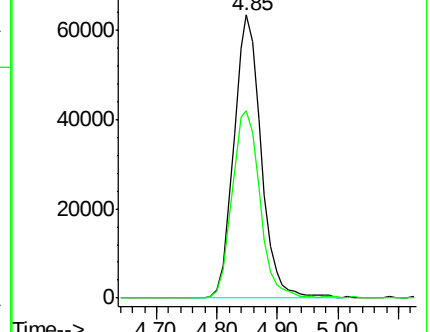
168 100

99 66.2 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.095 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF061380.D

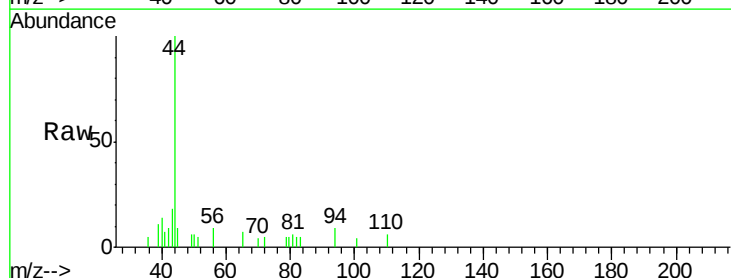
Acq: 11 Jan 2019 20:59

Tgt Ion: 94 Resp: 487

Ion Ratio Lower Upper

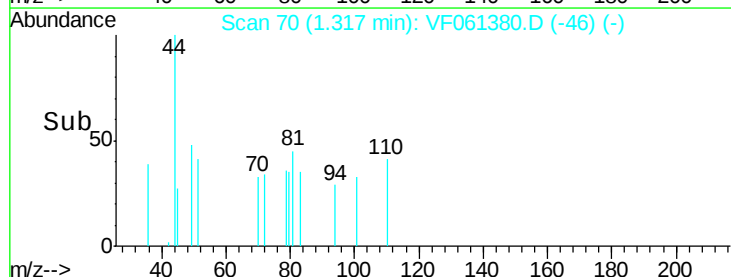
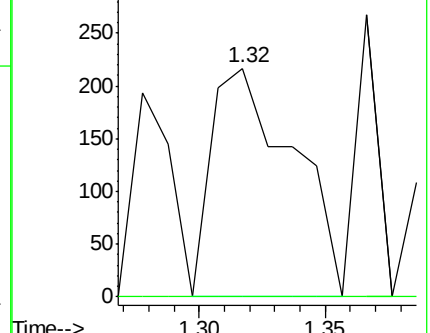
94 100

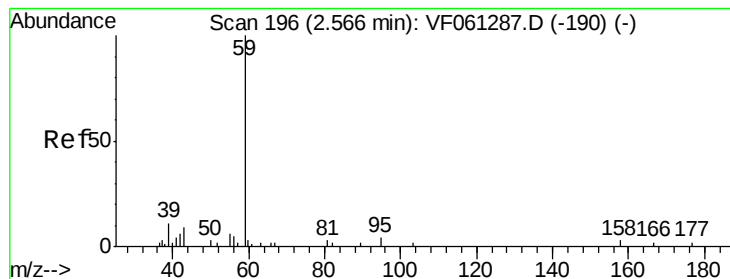
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



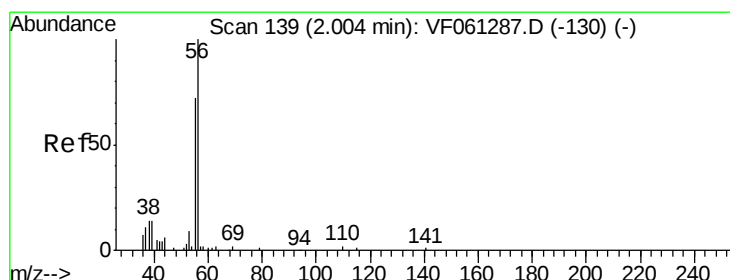
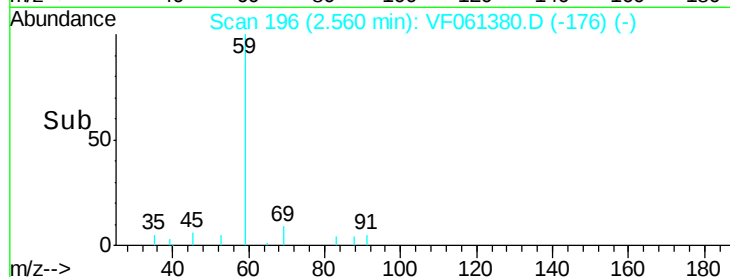
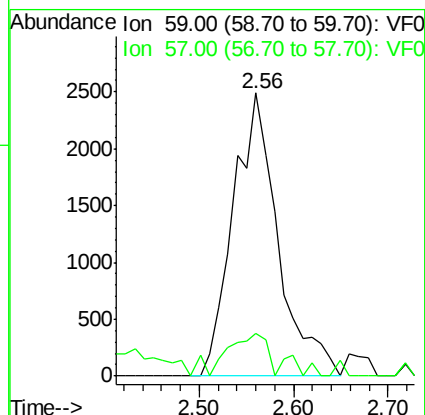
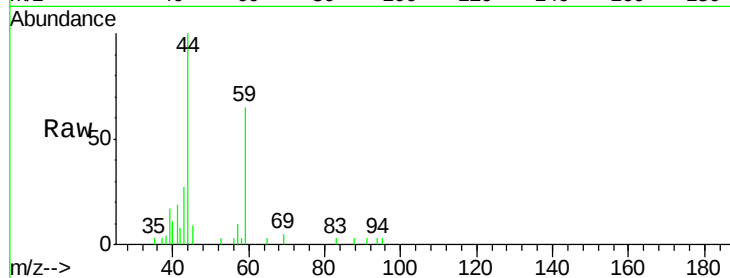


#11

Tert butyl alcohol
 Concen: 93.078 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF061380.D
 Acq: 11 Jan 2019 20:59

Instrument :
 MSVOA_F
 ClientSampled :
 BCB-3-1500

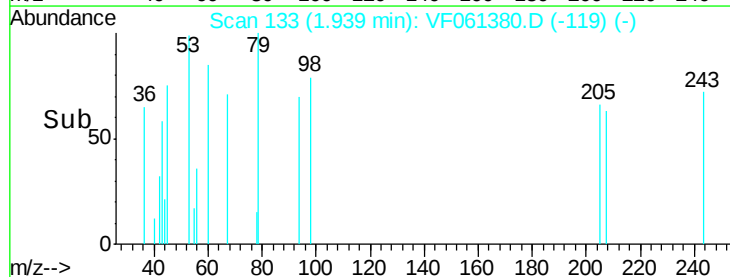
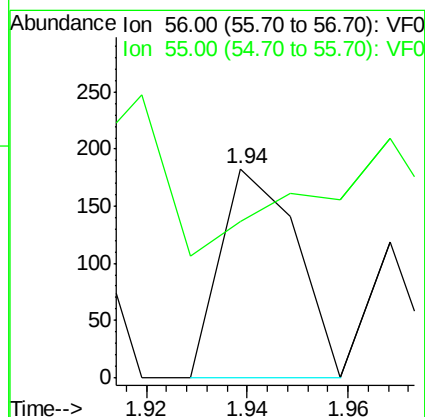
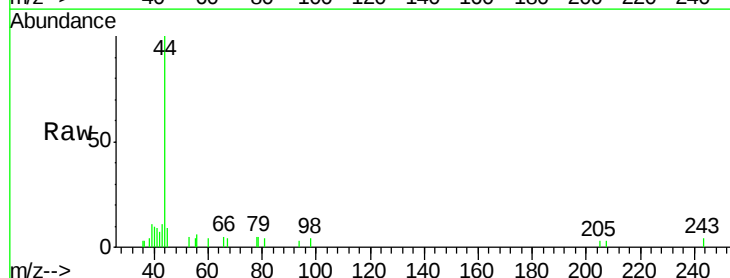
Tot Ion: 59 Resp: 8207
 Ion Ratio Lower Upper
 59 100
 57 15.2 15.1 22.7

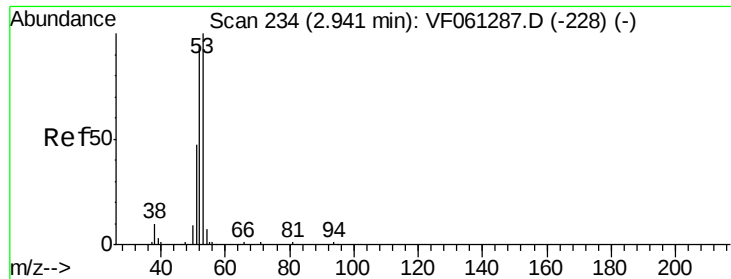


#13

Acrolein
 Concen: Below Cal
 RT: 1.94 min Scan# 133
 Delta R.T. -0.06 min
 Lab File: VF061380.D
 Acq: 11 Jan 2019 20:59

Tgt Ion: 56 Resp: 192
 Ion Ratio Lower Upper
 56 100
 55 74.9 59.4 89.0





#15

Acrylonitrile

Concen: 1.222 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061380.D

Acq: 11 Jan 2019 20:59

Instrument :

MSVOA_F

ClientSampleId :

BCB-3-1500

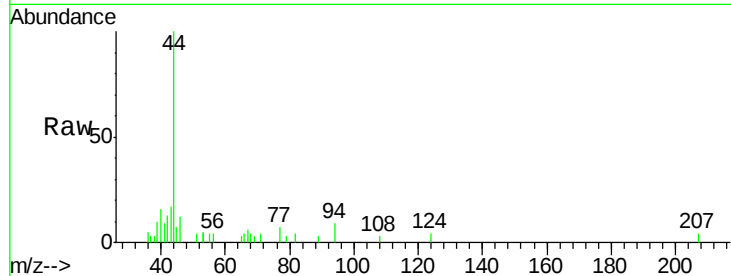
Tot Ion: 53 Resp: 382

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

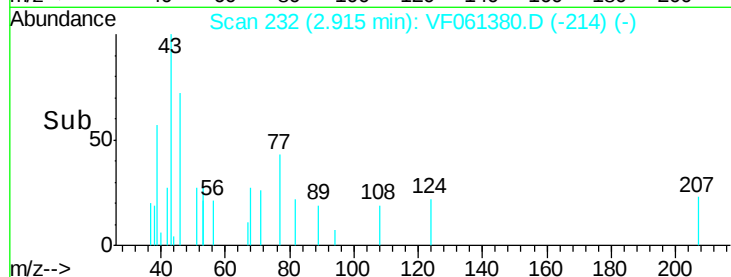
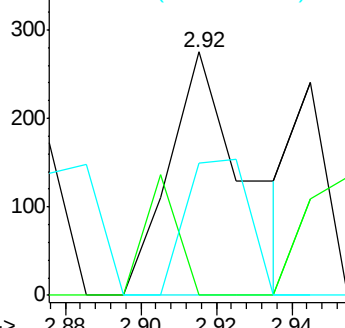
51 54.2 37.8 56.6



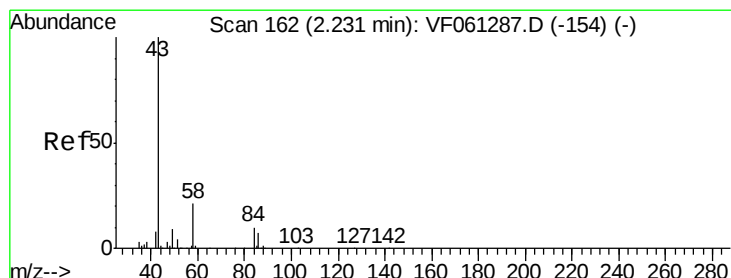
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 248.655 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061380.D

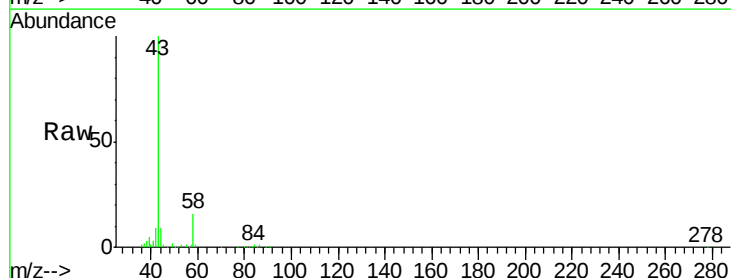
Acq: 11 Jan 2019 20:59

Tgt Ion: 43 Resp: 127385

Ion Ratio Lower Upper

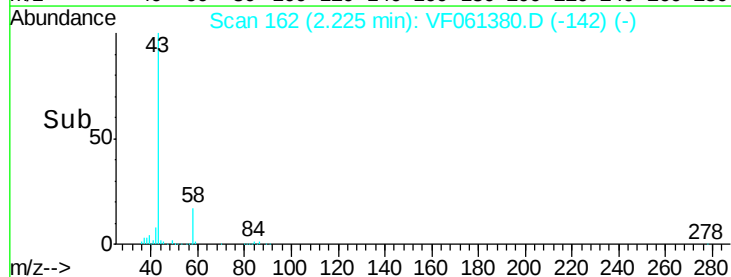
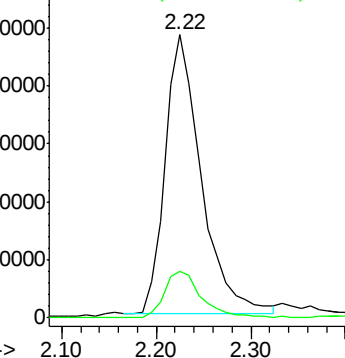
43 100

58 16.5 16.6 25.0#

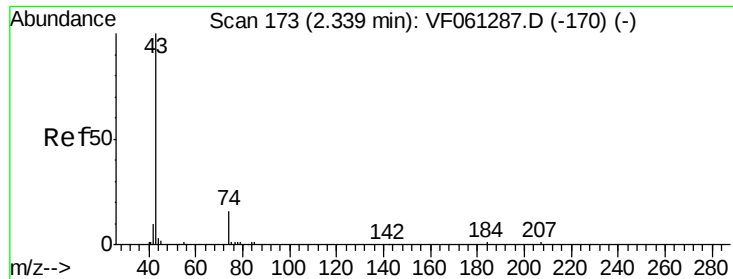


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



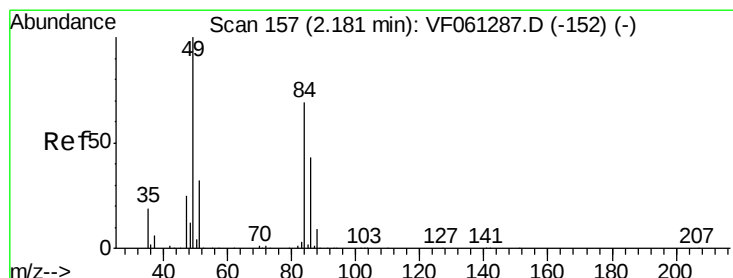
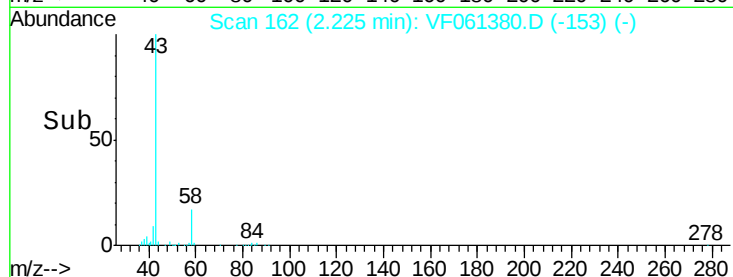
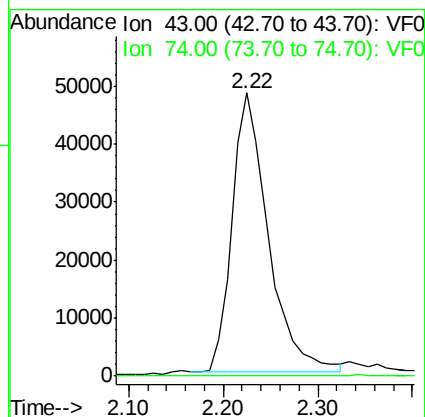
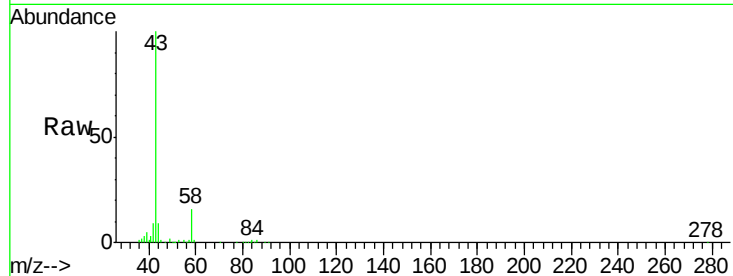
Time-->



#18
Methvl Acetate
Concen: 126.384 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.11 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

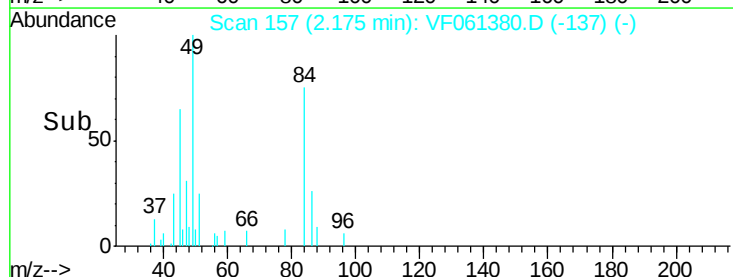
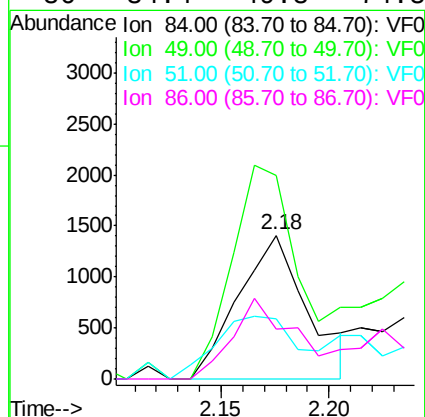
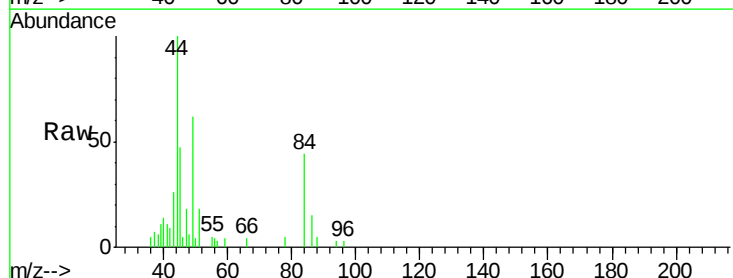
Instrument :
MSVOA_F
ClientSampled :
BCB-3-1500

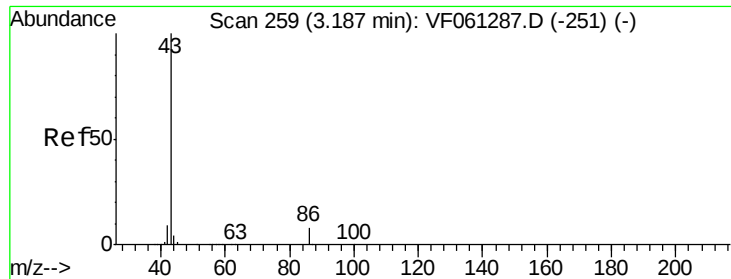
Tot Ion: 43 Resp: 127385
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 1.439 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Tgt Ion: 84 Resp: 3118
Ion Ratio Lower Upper
84 100
49 141.6 116.6 175.0
51 41.5 37.7 56.5
86 34.4 49.8 74.8#





#23

Vinyl Acetate

Concen: 1.178 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061380.D

Acq: 11 Jan 2019 20:59

Instrument :

MSVOA_F

ClientSampleId :

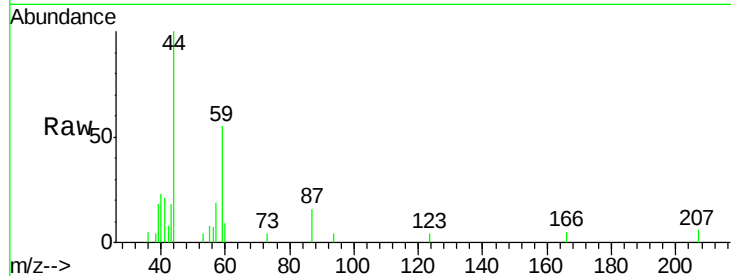
BCB-3-1500

Tot Ion: 43 Resp: 2533

Ion Ratio Lower Upper

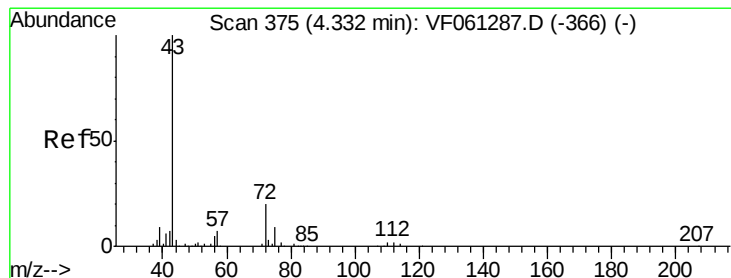
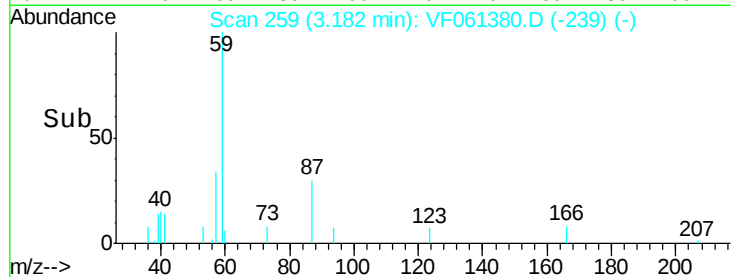
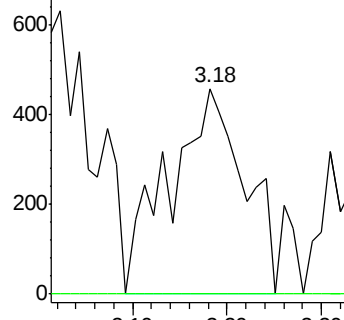
43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 8.663 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061380.D

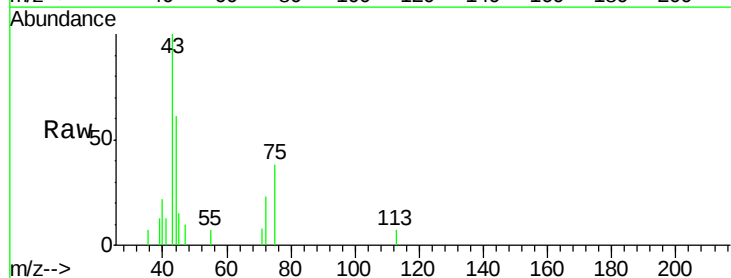
Acq: 11 Jan 2019 20:59

Tgt Ion: 43 Resp: 7143

Ion Ratio Lower Upper

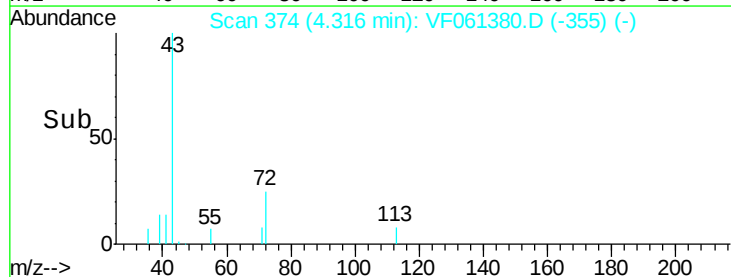
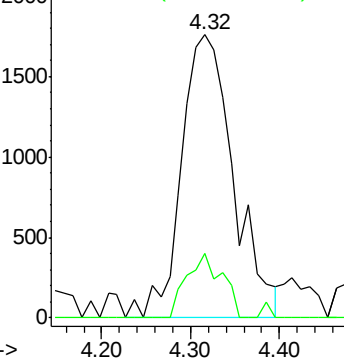
43 100

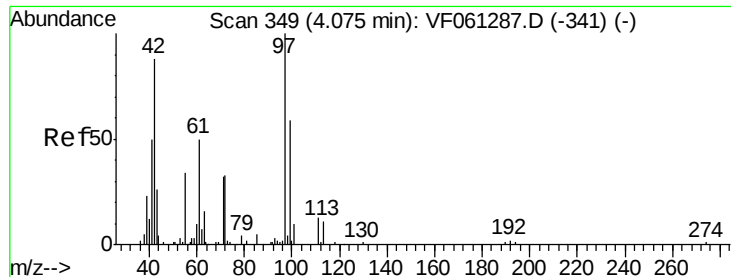
72 22.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.767 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061380.D

Acq: 11 Jan 2019 20:59

Instrument :

MSVOA_F

ClientSampleId :

BCB-3-1500

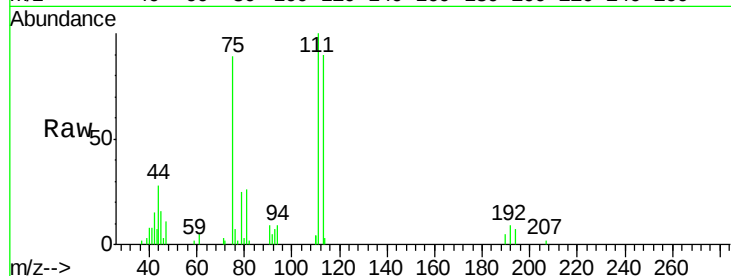
Tot Ion: 42 Resp: 954

Ion Ratio Lower Upper

42 100

72 32.4 32.3 48.5

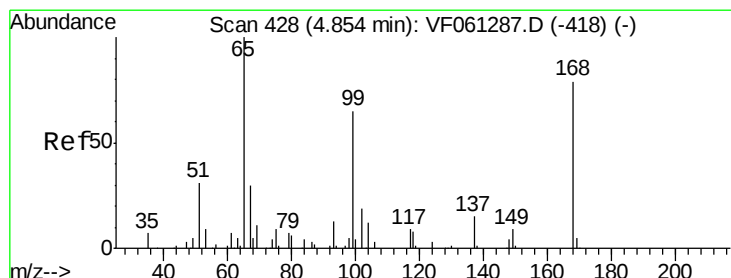
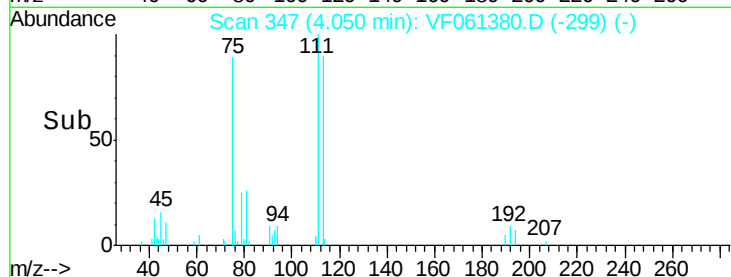
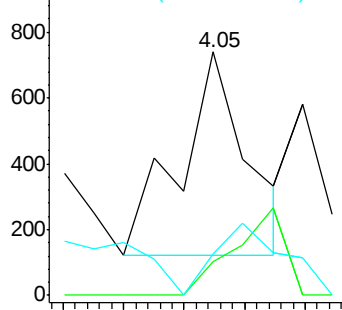
71 36.6 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.859 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061380.D

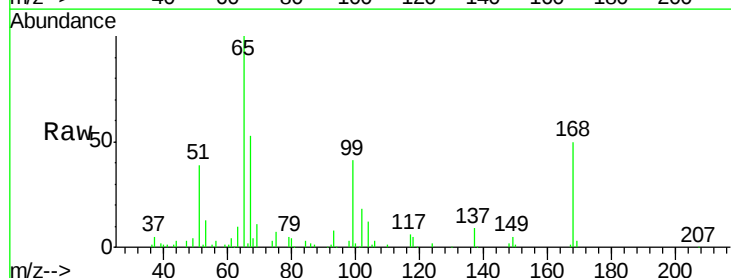
Acq: 11 Jan 2019 20:59

Tgt Ion: 65 Resp: 120813

Ion Ratio Lower Upper

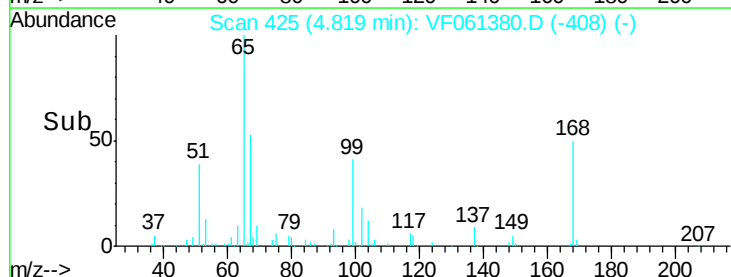
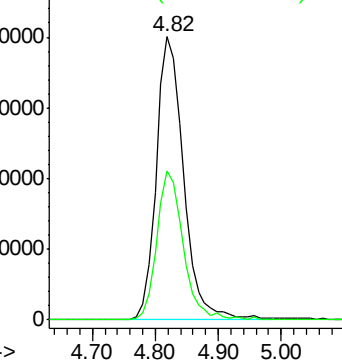
65 100

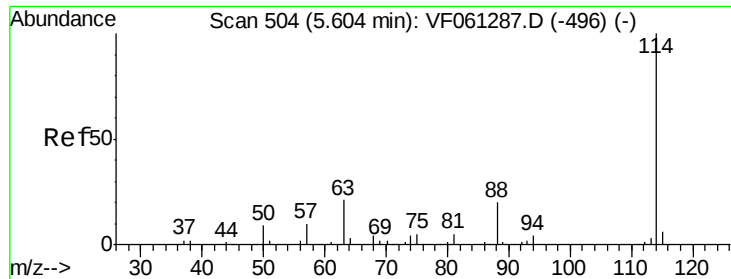
67 52.5 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

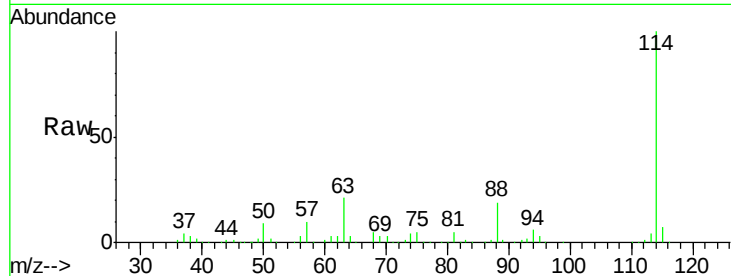




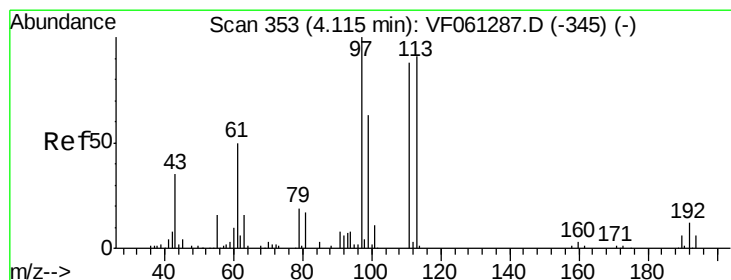
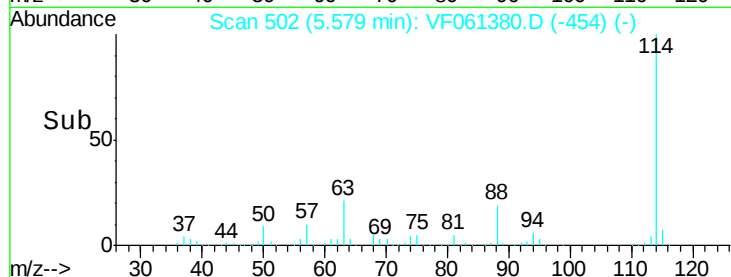
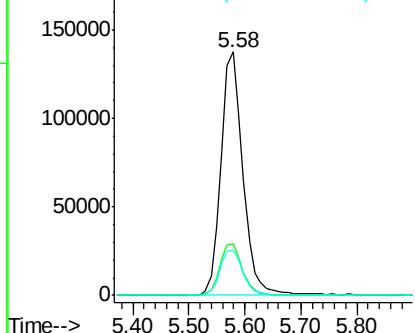
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061380.D
 Acq: 11 Jan 2019 20:59

Instrument :
 MSVOA_F
 ClientSampleId :
 BCB-3-1500

Tot Ion:114 Resp: 377198
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 18.7 0.0 40.0

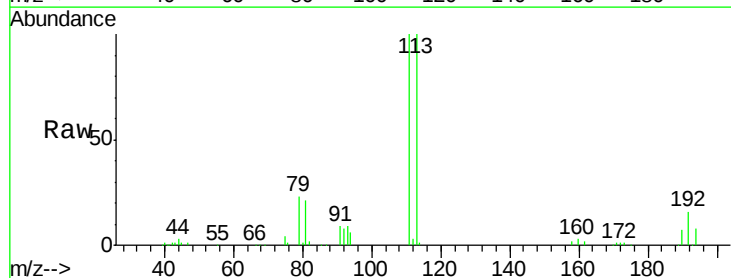


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

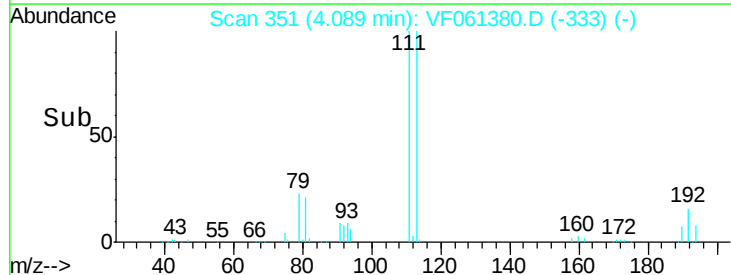
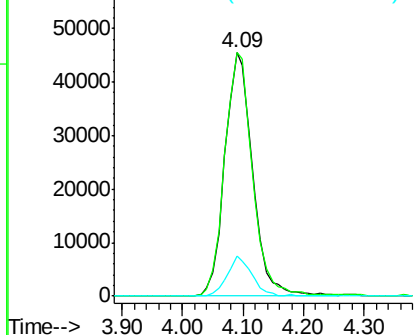


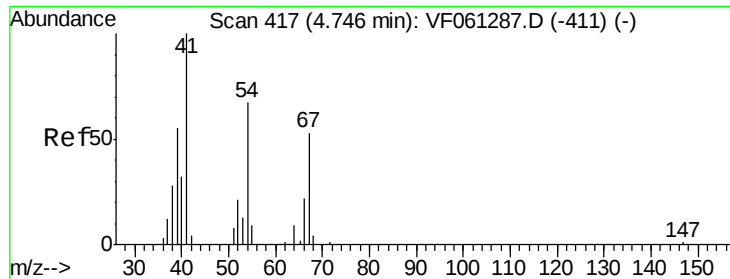
#35
 Dibromofluoromethane
 Concen: 50.332 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061380.D
 Acq: 11 Jan 2019 20:59

Tgt Ion:113 Resp: 145267
 Ion Ratio Lower Upper
 113 100
 111 100.2 78.0 117.0
 192 16.3 10.6 16.0#



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

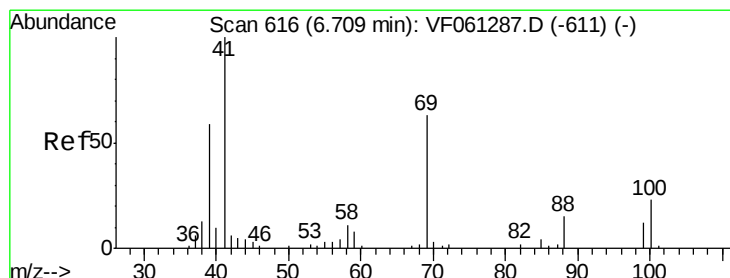
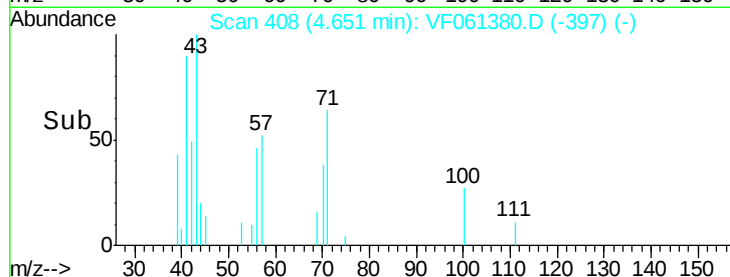
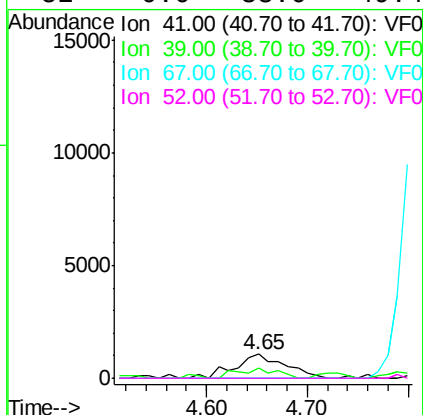
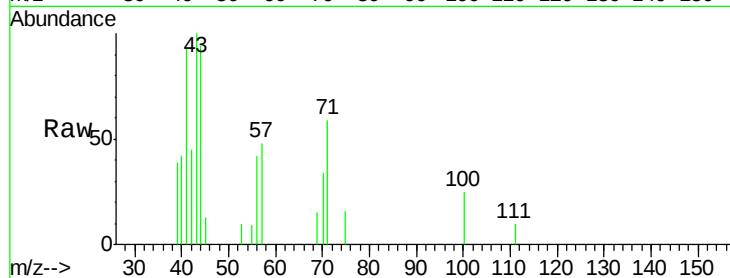




#41
Methacrylonitrile
Concen: 4.081 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.09 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

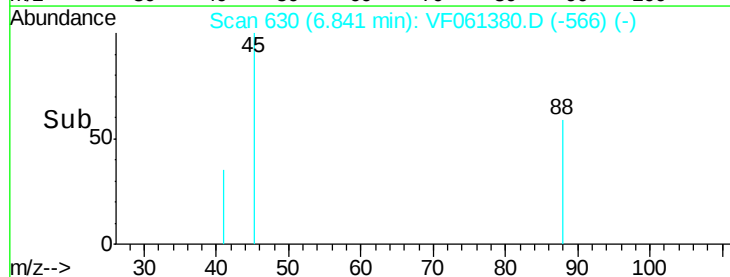
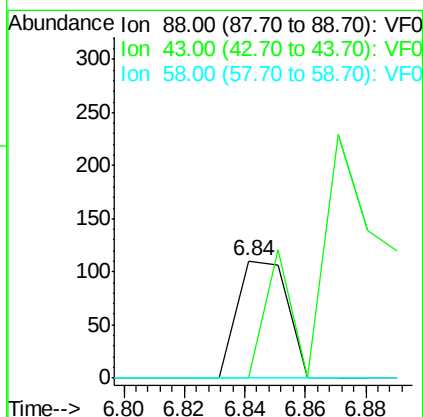
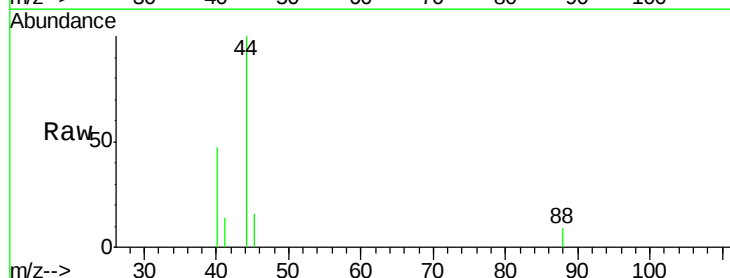
Instrument :
MSVOA_F
ClientSampleId :
BCB-3-1500

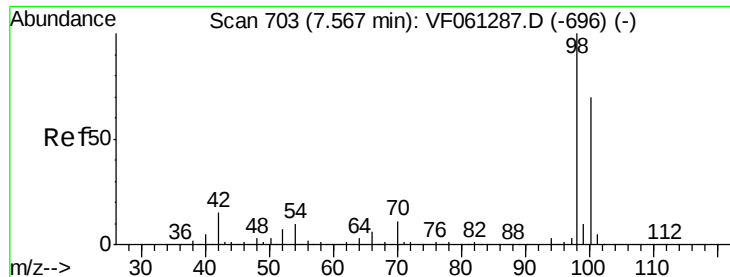
Tot Ion: 41 Resp: 3656
Ion Ratio Lower Upper
41 100
39 42.4 52.7 79.1#
67 0.0 41.4 62.2#
52 0.0 33.0 49.4#



#49
1,4-Dioxane
Concen: 14.758 ug/l
RT: 6.84 min Scan# 630
Delta R.T. 0.13 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 38.5 57.7#
58 0.0 57.0 85.4#

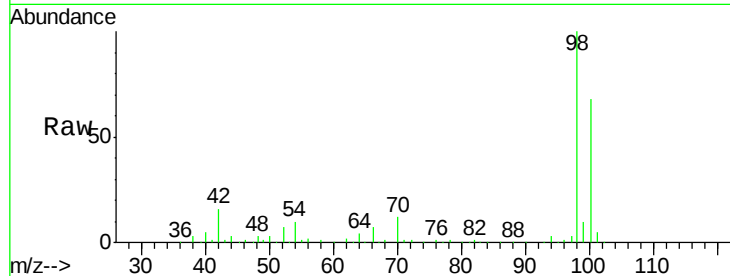




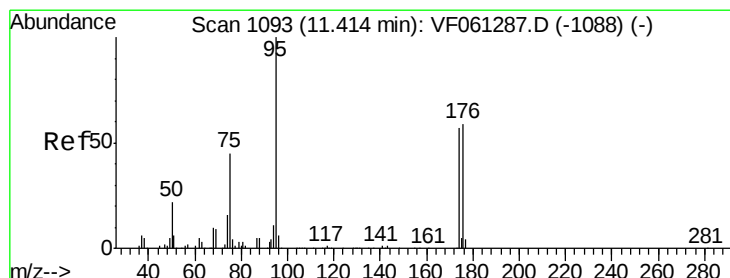
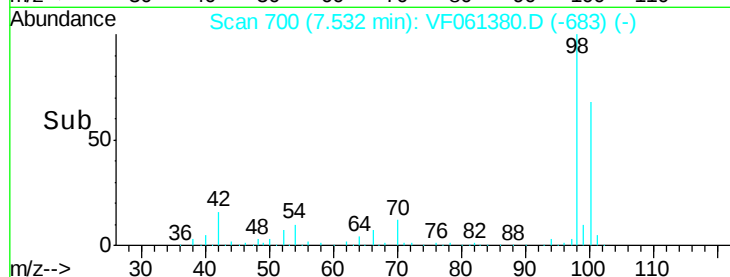
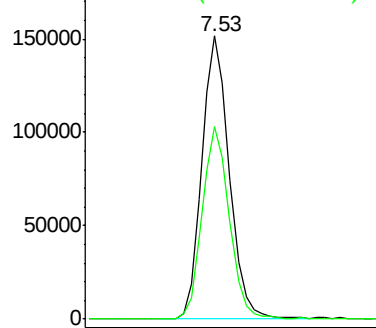
#50
Toluene-d8
Concen: 42.712 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Instrument :
MSVOA_F
ClientSampleId :
BCB-3-1500

Tot Ion: 98 Resp: 364804
Ion Ratio Lower Upper
98 100
100 68.0 55.6 83.4

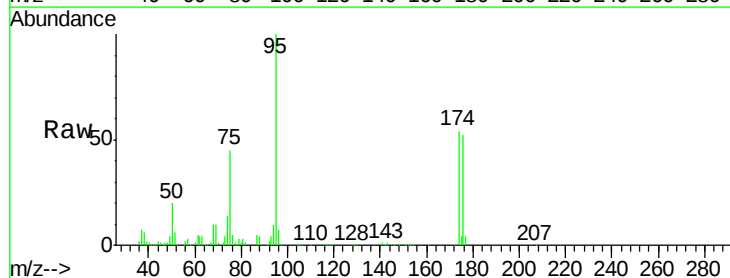


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

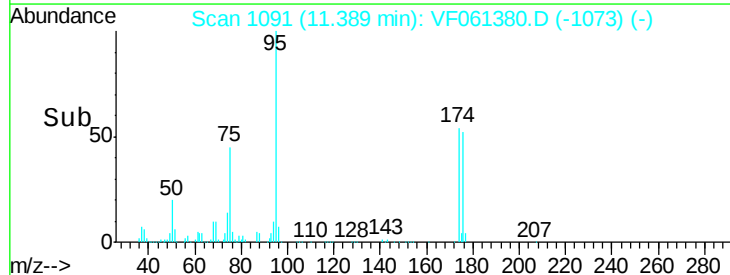
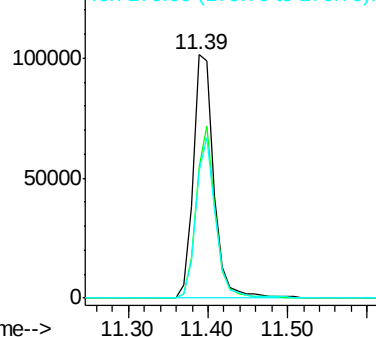


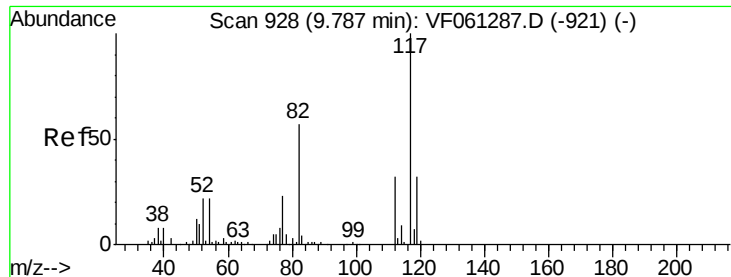
#62
4-Bromofluorobenzene
Concen: 49.996 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Tgt Ion: 95 Resp: 186458
Ion Ratio Lower Upper
95 100
174 53.6 0.0 114.2
176 52.4 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): VF0
Ion 176.00 (175.70 to 176.70): VF0

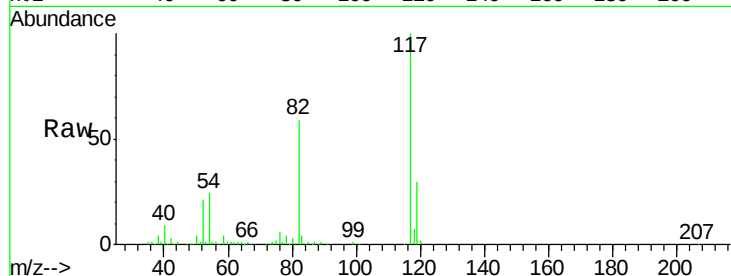




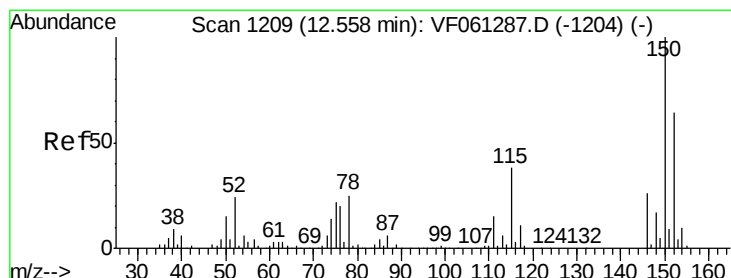
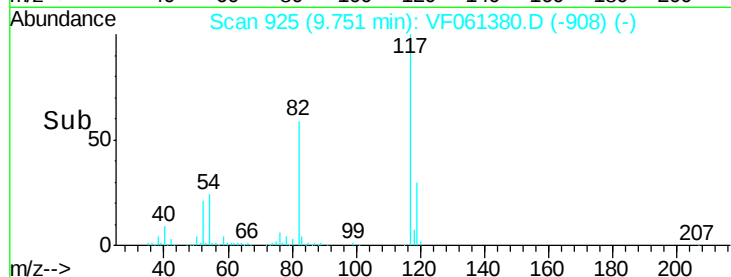
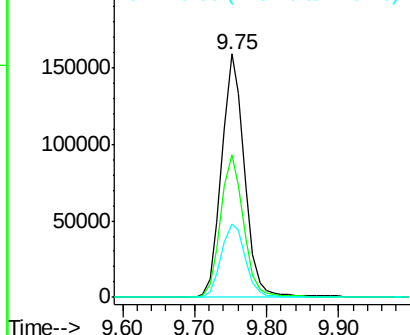
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Instrument :
MSVOA_F
ClientSampleId :
BCB-3-1500

Tot Ion:117 Resp: 351377
Ion Ratio Lower Upper
117 100
82 58.8 45.3 67.9
119 30.0 25.4 38.0

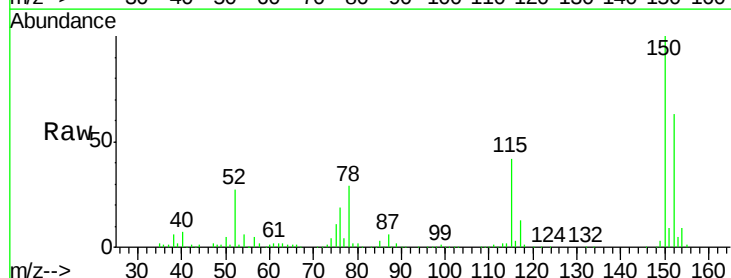


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF061380.D
Acq: 11 Jan 2019 20:59

Tgt Ion:152 Resp: 178565
Ion Ratio Lower Upper
152 100
115 65.9 29.6 88.9
150 158.5 0.0 315.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

