

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061960.D
 Acq On : 15 Mar 2019 14:46
 Operator : VA/AP
 Sample : K1928-03
 Misc : 6.23g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-6(1.5-2)

Quant Time: Mar 15 23:16:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	245654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	384616	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	315089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	161967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	98168	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
35) Dibromofluoromethane	4.12	113	128869	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	7.56	98	328473	41.17	ug/l	0.00
Spiked Amount			Recovery	=	82.34%	
62) 4-Bromofluorobenzene	11.42	95	143690	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

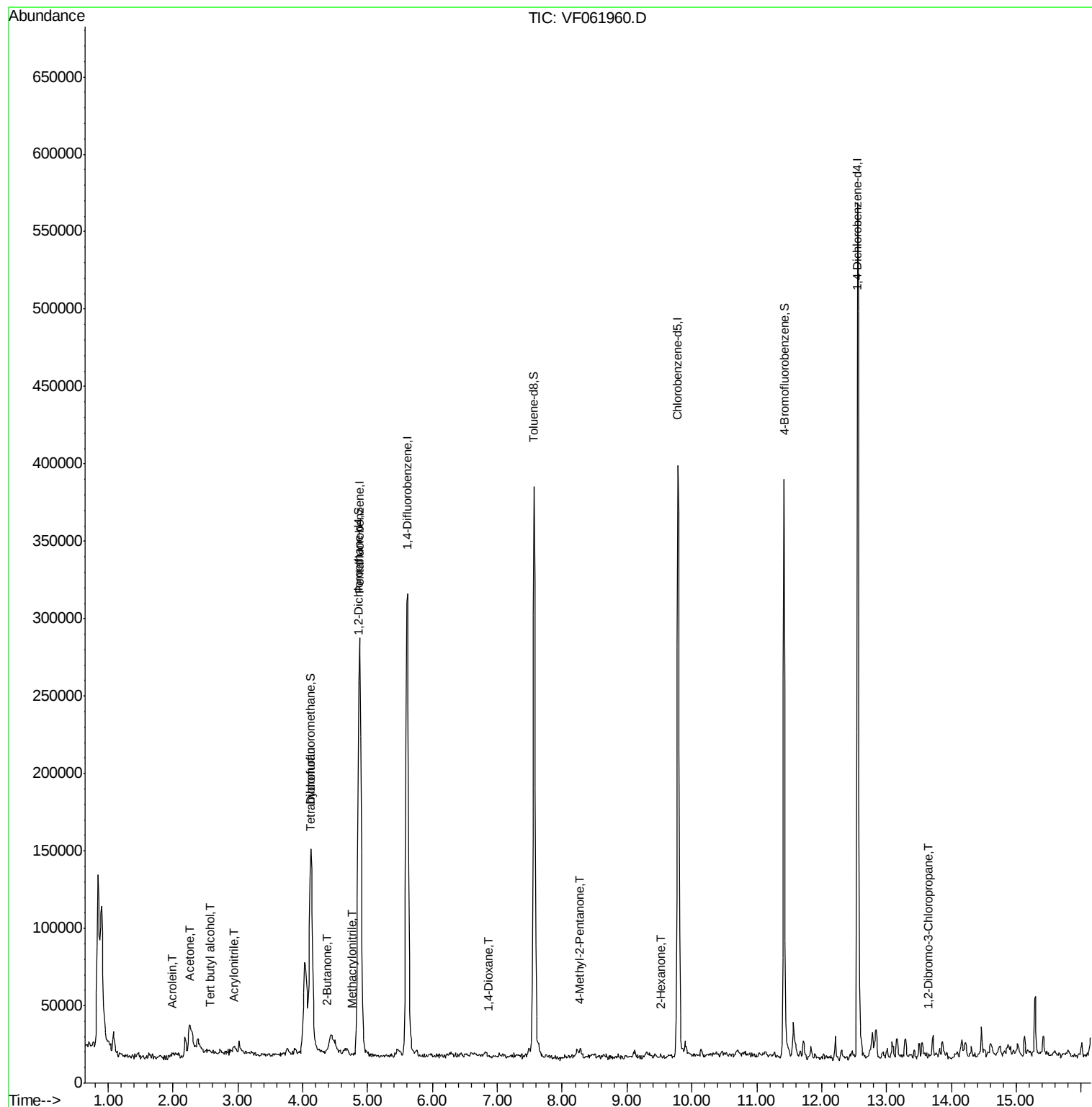
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	302	2.974	ug/l #	1
13) Acrolein	1.98	56	453	3.521	ug/l #	51
15) Acrylonitrile	2.95	53	736	2.276	ug/l #	51
16) Acetone	2.24	43	12772	34.083	ug/l #	87
18) Methyl Acetate	2.36	43	3693	Below Cal	#	90
25) 2-Butanone	4.36	43	1472	1.931	ug/l #	71
29) Tetrahydrofuran	4.10	42	1962	5.968	ug/l #	85
41) Methacrylonitrile	4.76	41	1651	1.976	ug/l #	34
49) 1,4-Dioxane	6.86	88	75	6.896	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	4775	3.675	ug/l #	74
59) 2-Hexanone	9.51	43	1551	1.655	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	63	3.948	ug/l #	1

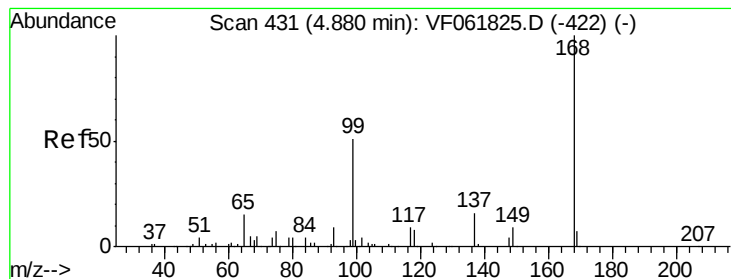
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-MW-6(1.5-2)

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

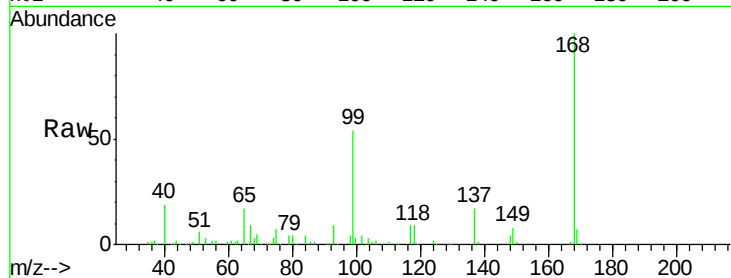
SB-MW-6(1.5-2)

Tot Ion:168 Resp: 245654

Ion Ratio Lower Upper

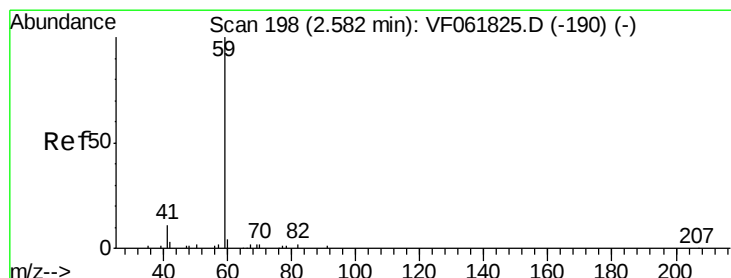
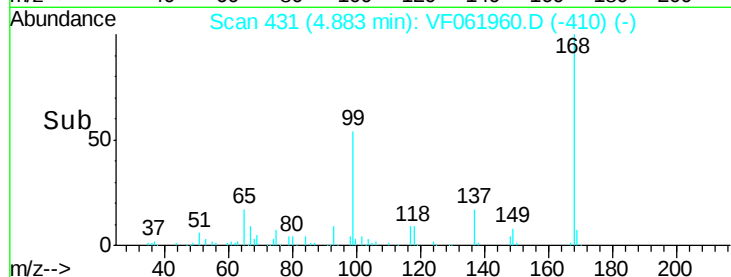
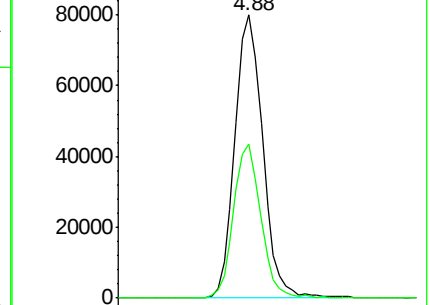
168 100

99 54.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.974 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061960.D

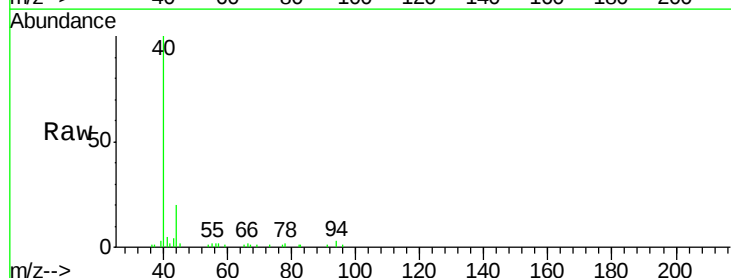
Acq: 15 Mar 2019 14:46

Tgt Ion: 59 Resp: 302

Ion Ratio Lower Upper

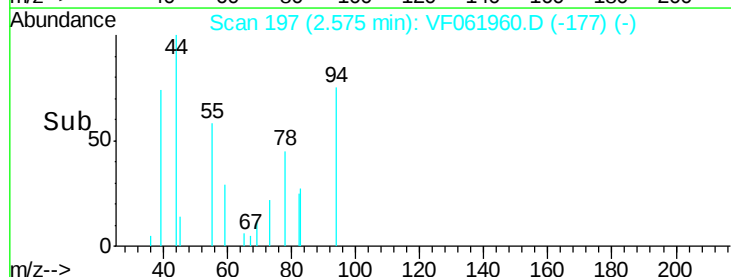
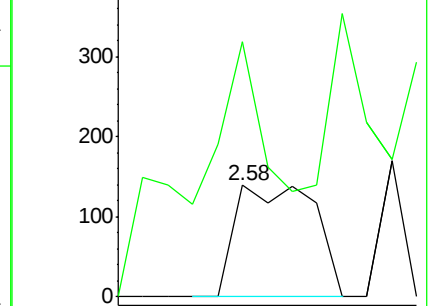
59 100

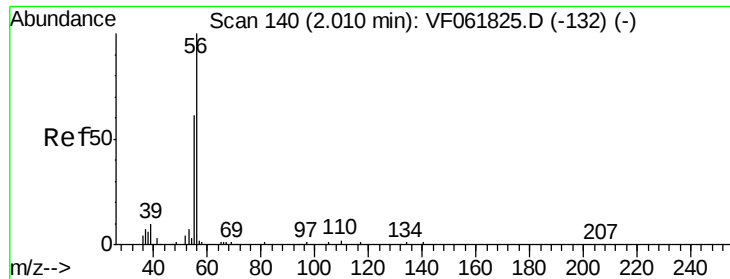
57 228.8 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.521 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

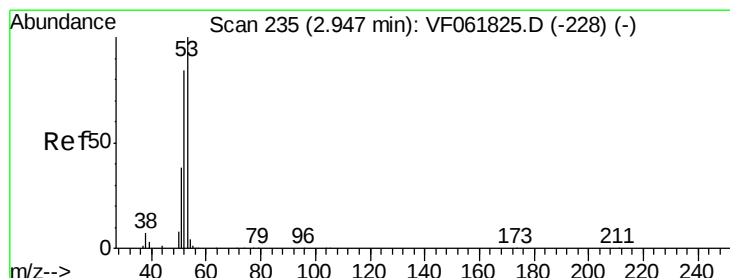
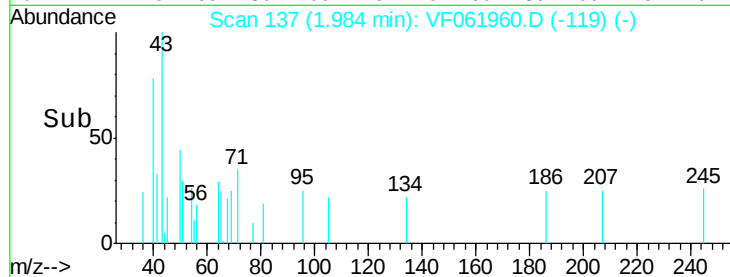
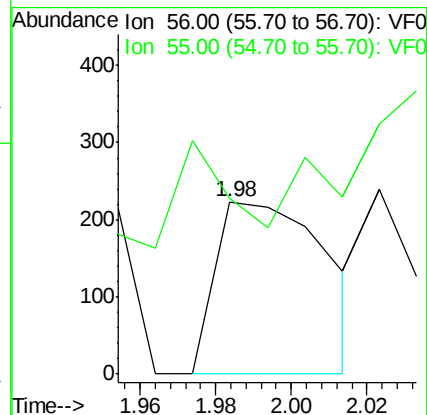
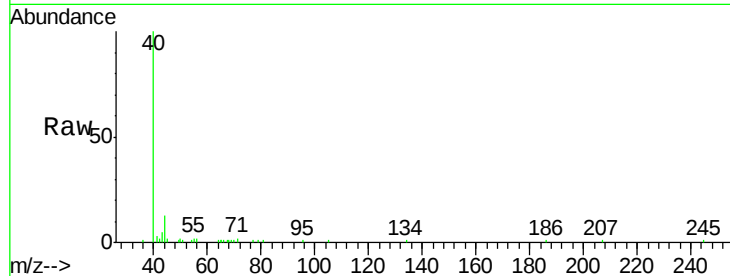
SB-MW-6(1.5-2)

Tot Ion: 56 Resp: 453

Ion Ratio Lower Upper

56 100

55 102.2 51.3 76.9#



#15

Acrylonitrile

Concen: 2.276 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

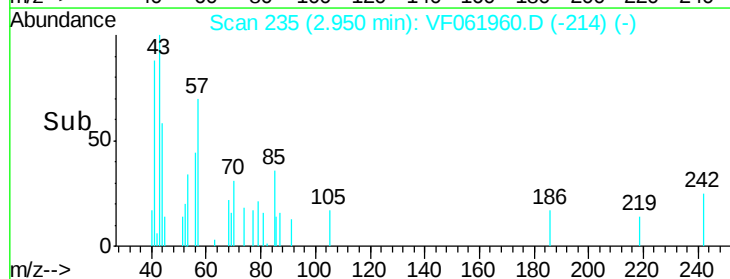
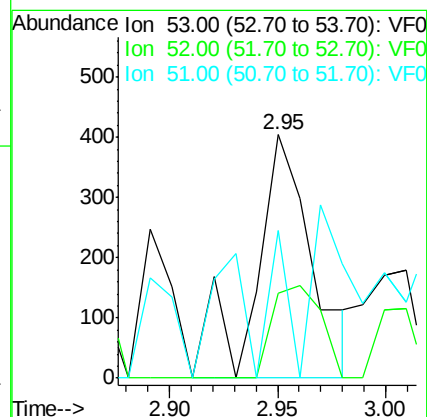
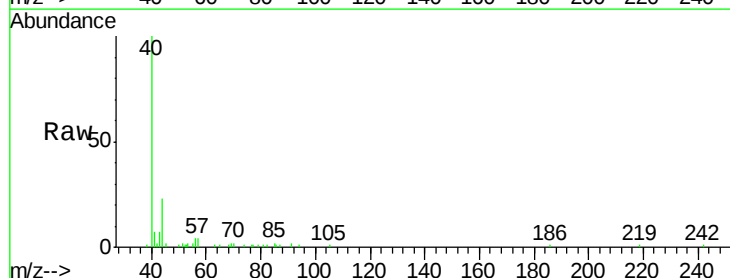
Tgt Ion: 53 Resp: 736

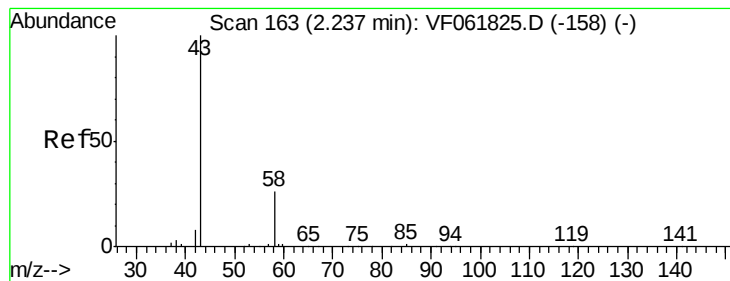
Ion Ratio Lower Upper

53 100

52 35.1 67.4 101.0#

51 60.9 30.7 46.1#





#16

Acetone

Concen: 34.083 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

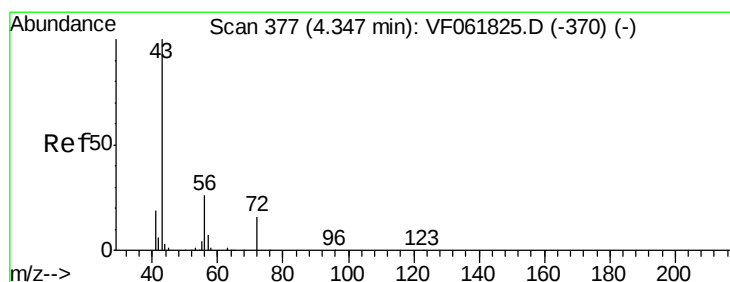
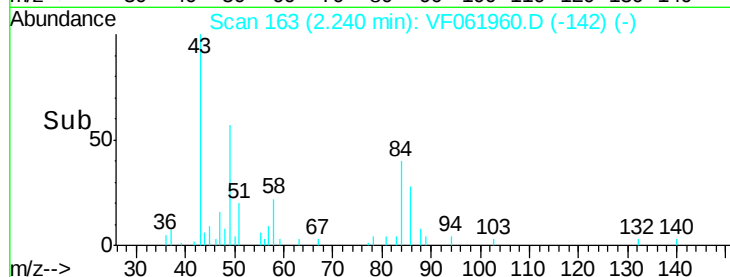
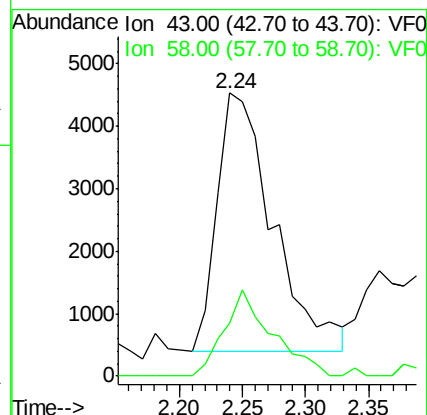
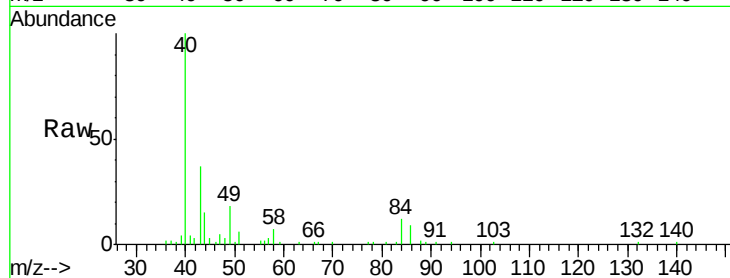
SB-MW-6(1.5-2)

Tot Ion: 43 Resp: 12772

Ion Ratio Lower Upper

43 100

58 18.8 20.3 30.5#



#25

2-Butanone

Concen: 1.931 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF061960.D

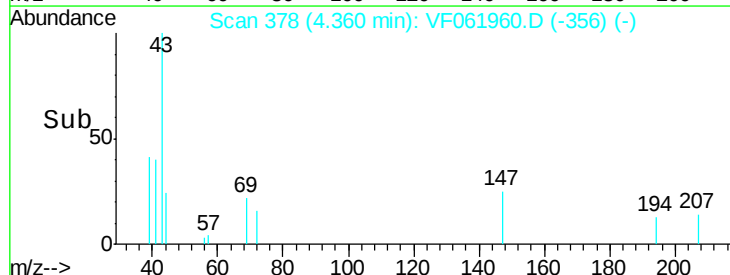
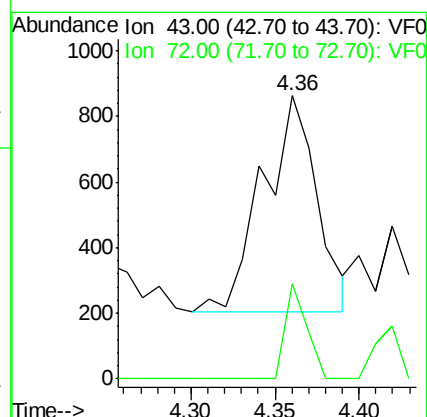
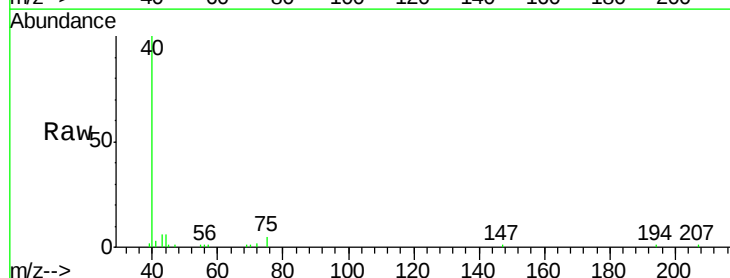
Acq: 15 Mar 2019 14:46

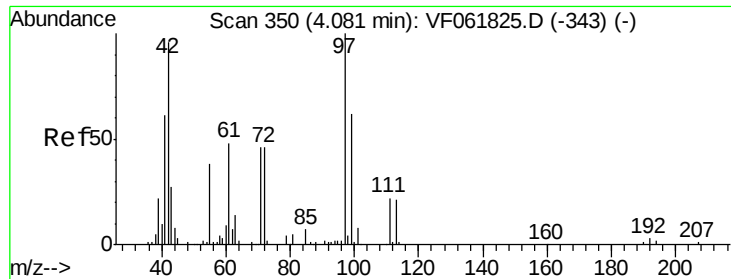
Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

72 33.5 16.2 24.4#





#29

Tetrahydrofuran

Concen: 5.968 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.02 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-6(1.5-2)

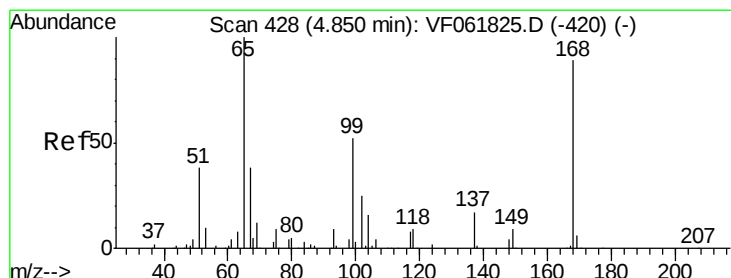
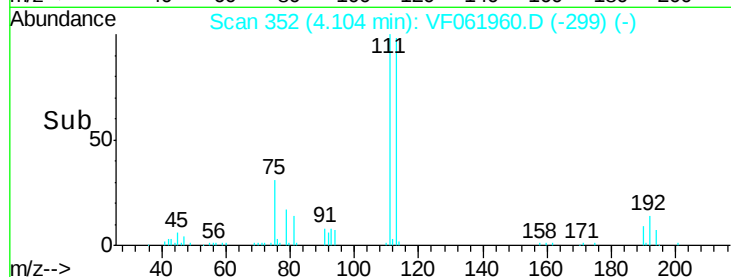
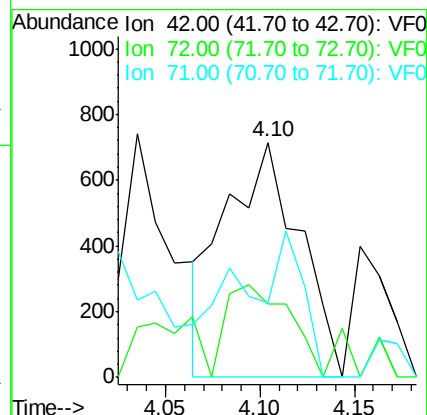
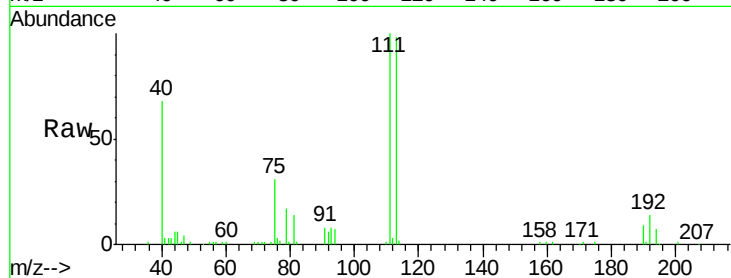
Tot Ion: 42 Resp: 1962

Ion Ratio Lower Upper

42 100

72 33.4 34.4 51.6#

71 52.8 34.6 52.0#



#33

1,2-Dichloroethane-d4

Concen: 54.874 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061960.D

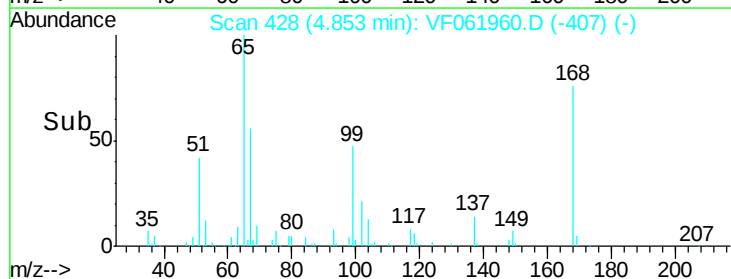
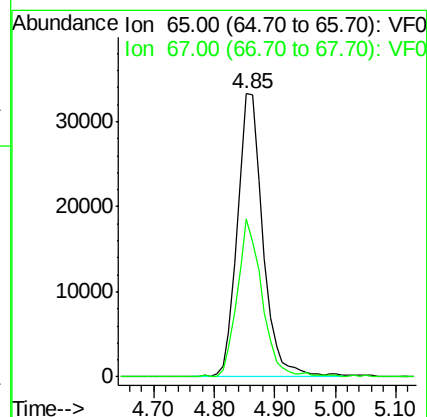
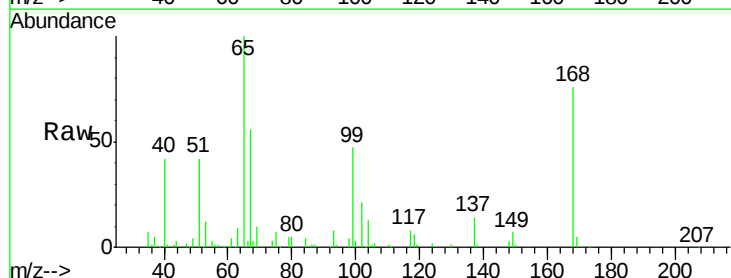
Acq: 15 Mar 2019 14:46

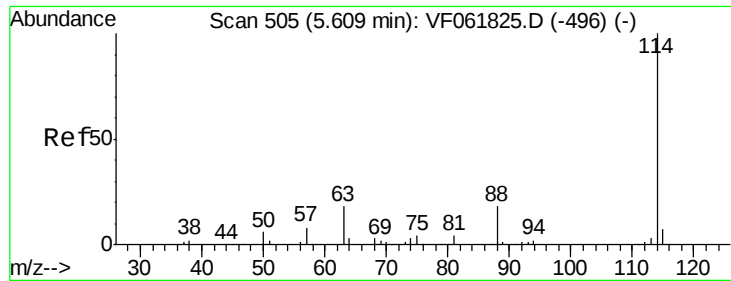
Tgt Ion: 65 Resp: 98168

Ion Ratio Lower Upper

65 100

67 55.8 0.0 108.6

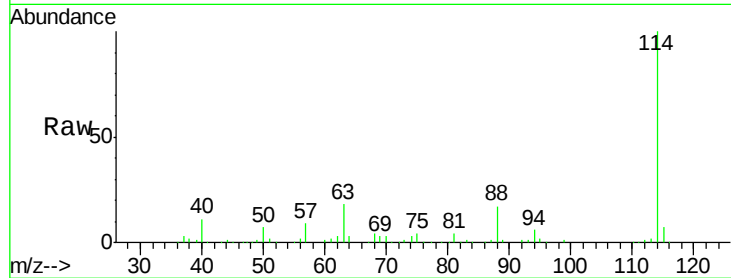




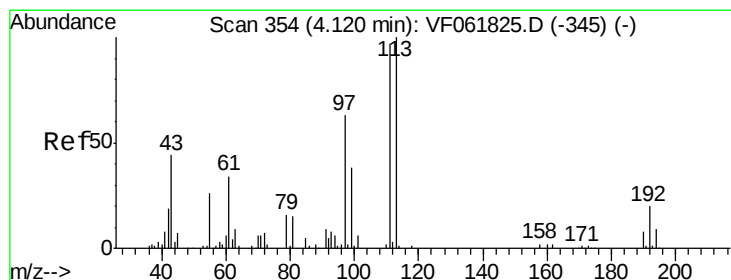
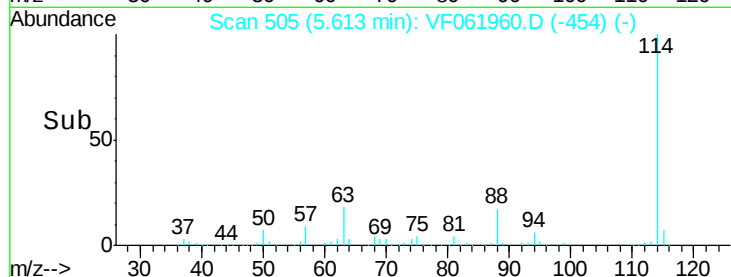
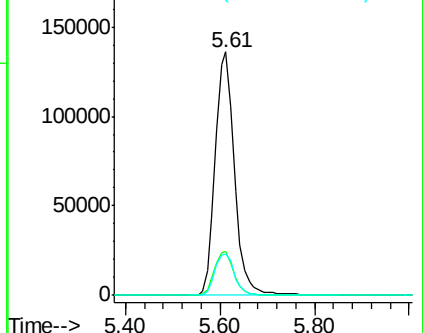
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061960.D
 Acq: 15 Mar 2019 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-6(1.5-2)

Tot Ion:114 Resp: 384616
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 16.8 0.0 35.6

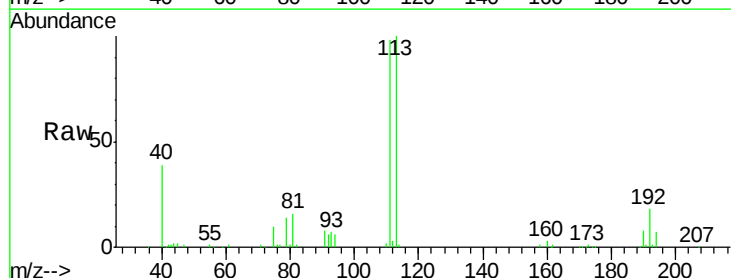


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

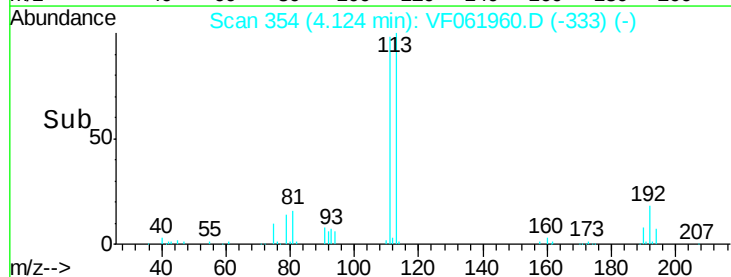
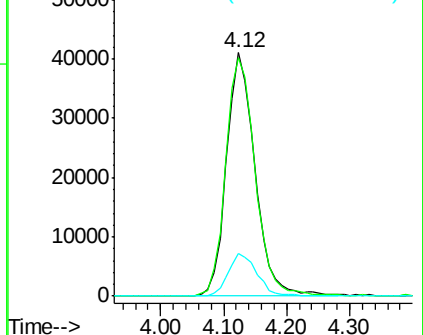


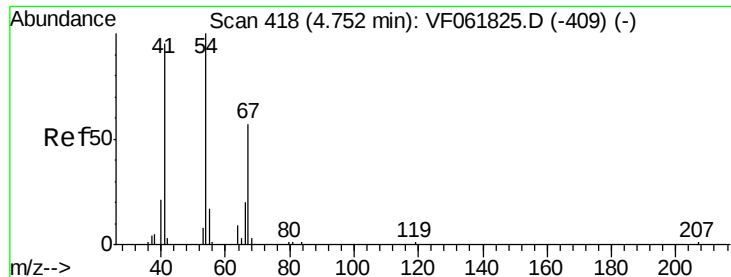
#35
 Dibromofluoromethane
 Concen: 48.012 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061960.D
 Acq: 15 Mar 2019 14:46

Tgt Ion:113 Resp: 128869
 Ion Ratio Lower Upper
 113 100
 111 97.7 77.6 116.4
 192 18.2 15.9 23.9



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

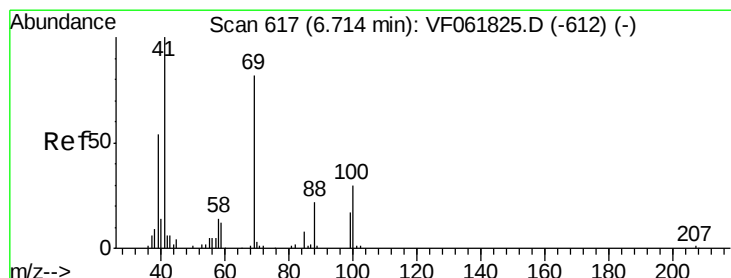
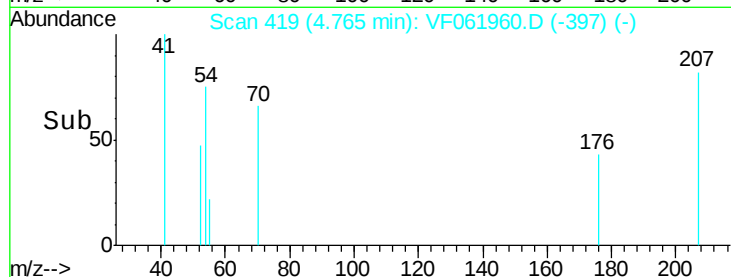
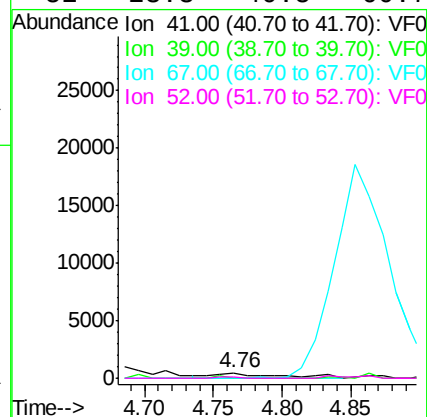
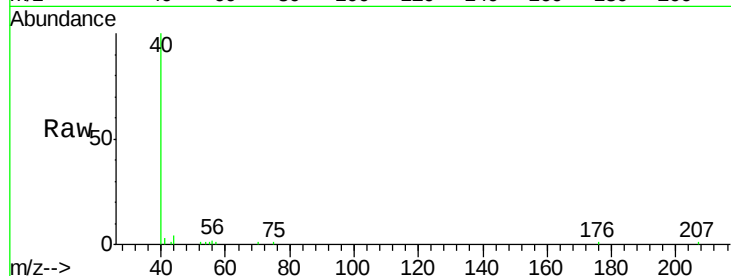




#41
Methacrylonitrile
Concen: 1.976 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.01 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

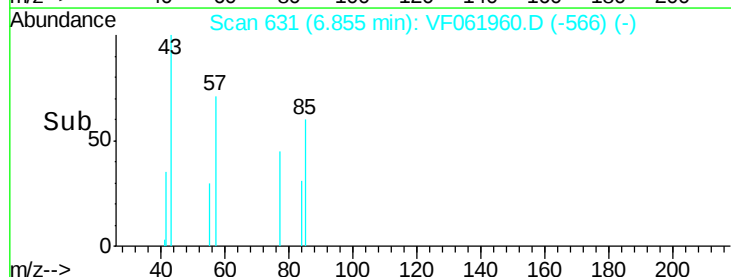
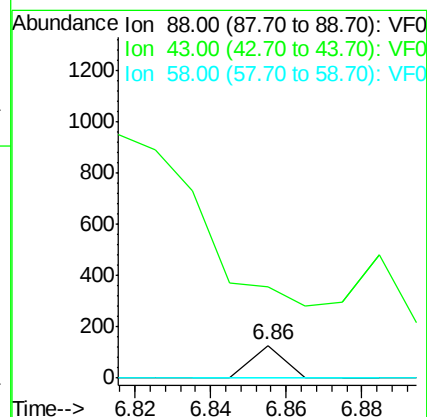
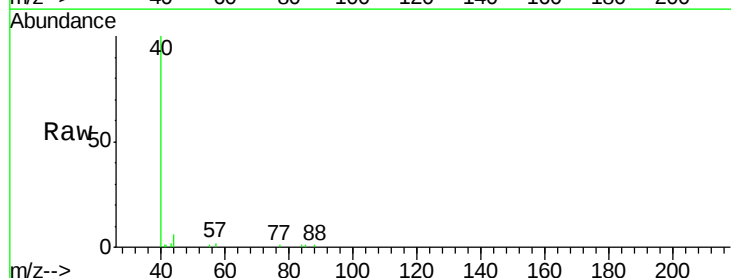
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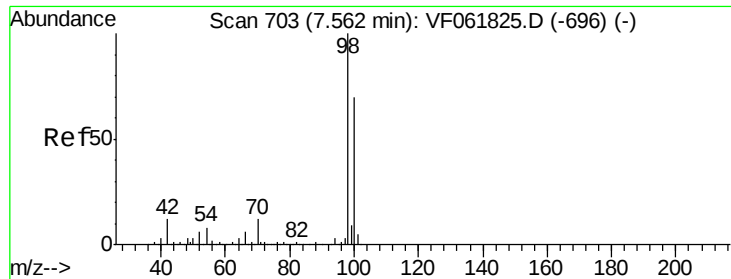
Tot Ion: 41 Resp: 1651
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.6#
67 0.0 47.8 71.8#
52 23.3 40.5 60.7#



#49
1,4-Dioxane
Concen: 6.896 ug/l
RT: 6.86 min Scan# 631
Delta R.T. 0.14 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 284.1 28.4 42.6#
58 0.0 50.7 76.1#





#50

Toluene-d8

Concen: 41.172 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

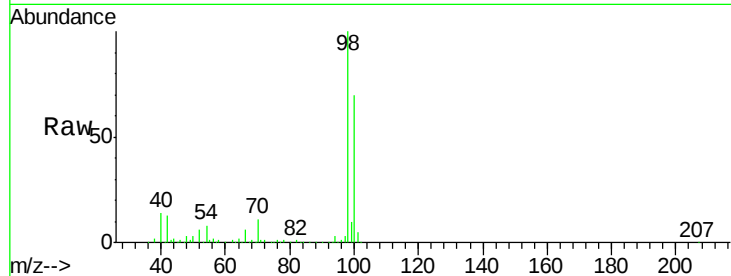
SB-MW-6(1.5-2)

Tot Ion: 98 Resp: 328473

Ion Ratio Lower Upper

98 100

100 70.4 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.56

150000

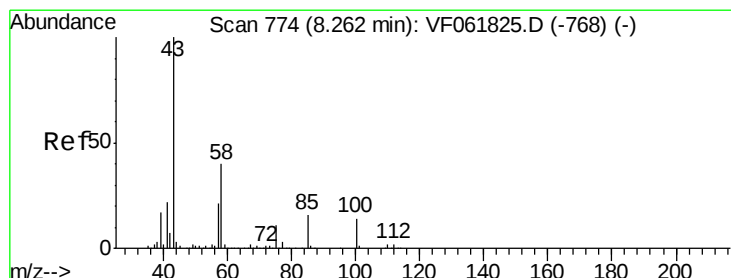
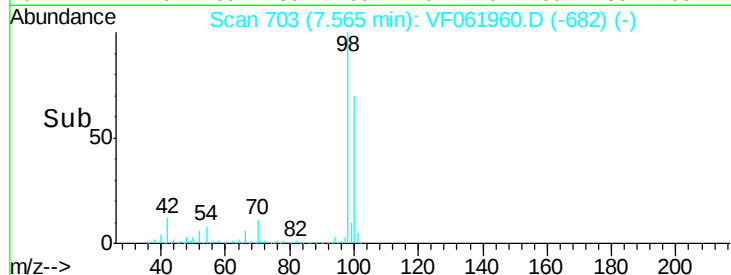
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.675 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061960.D

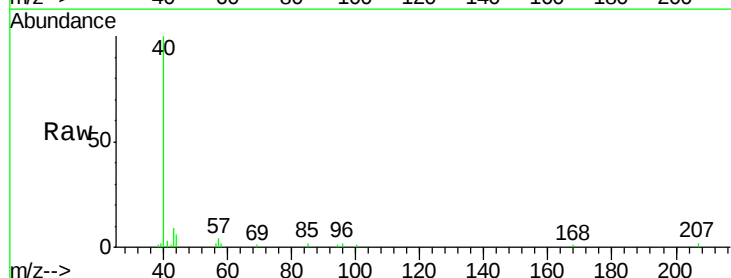
Acq: 15 Mar 2019 14:46

Tgt Ion: 43 Resp: 4775

Ion Ratio Lower Upper

43 100

58 23.9 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

1500

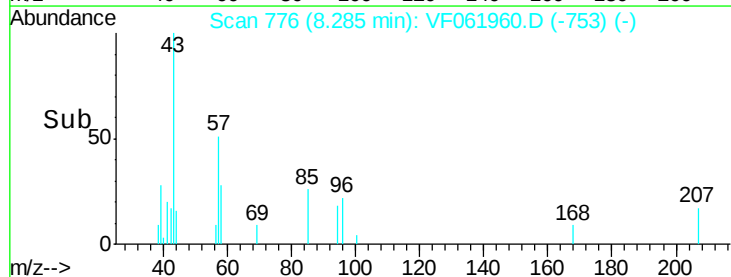
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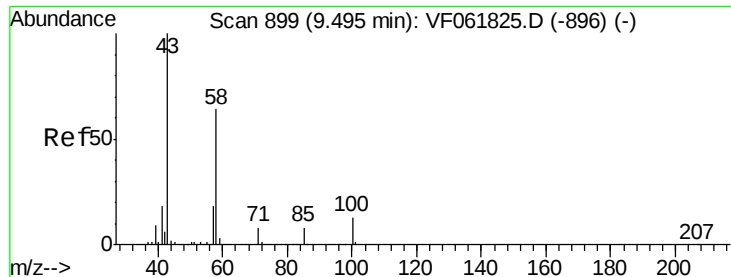
500

0

8.20 8.30 8.40

Time-->

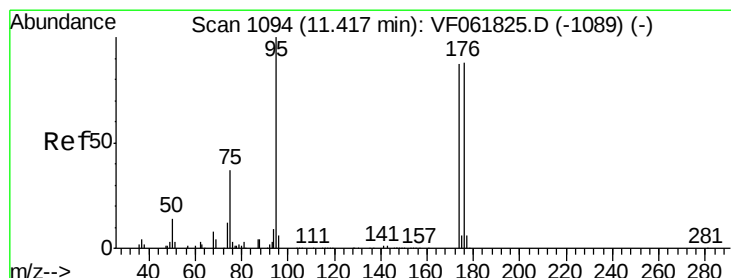
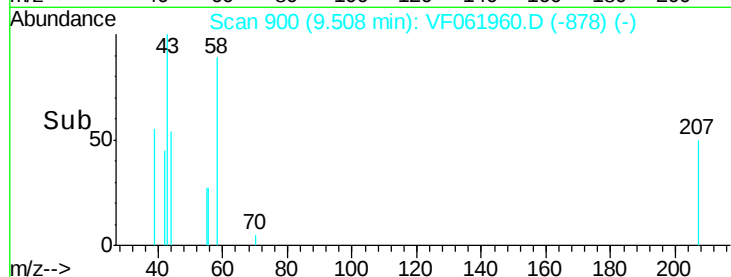
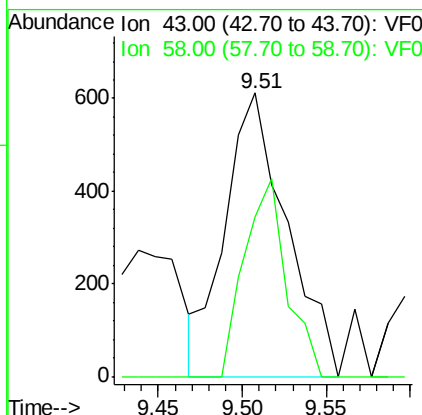
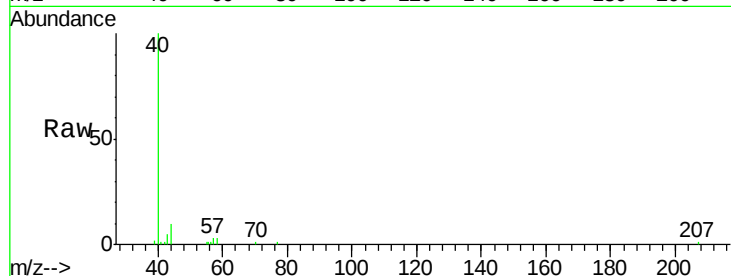




#59
2-Hexanone
Concen: 1.655 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

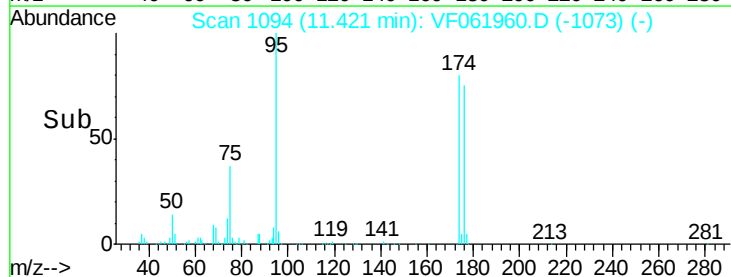
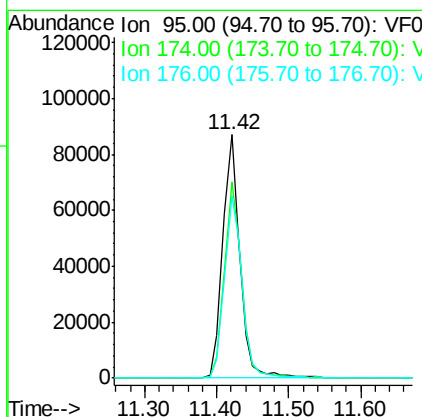
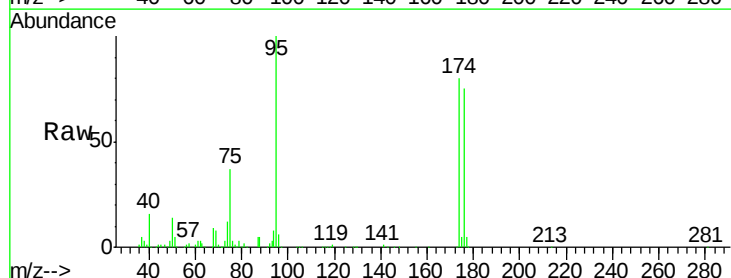
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-6(1.5-2)

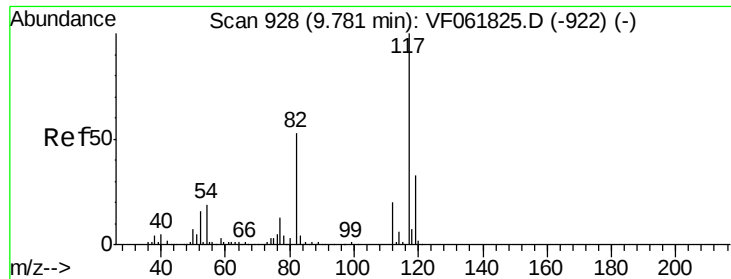
Tot Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
58 56.0 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 45.978 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

Tgt Ion: 95 Resp: 143690
Ion Ratio Lower Upper
95 100
174 80.4 0.0 174.0
176 75.0 0.0 175.2

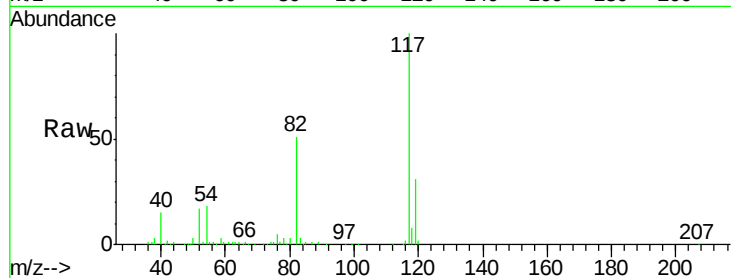




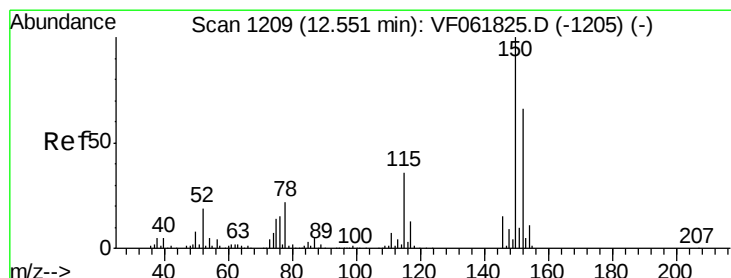
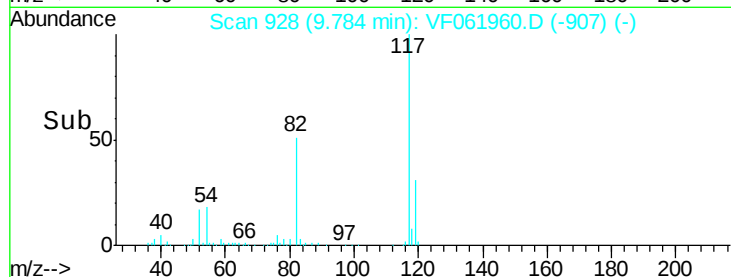
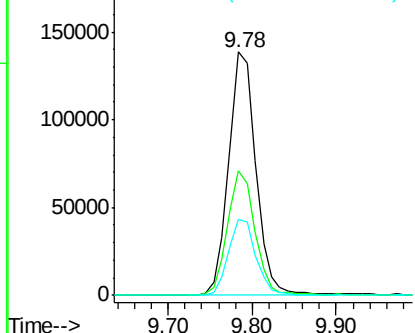
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-6(1.5-2)

Tot Ion:117 Resp: 315089
Ion Ratio Lower Upper
117 100
82 51.4 42.6 63.8
119 31.3 26.0 39.0

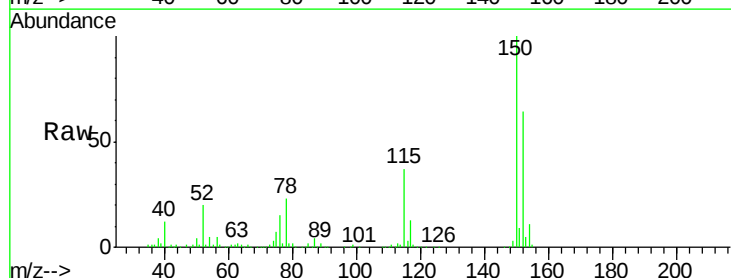


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

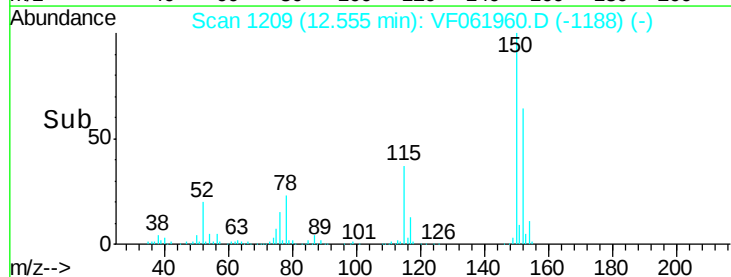
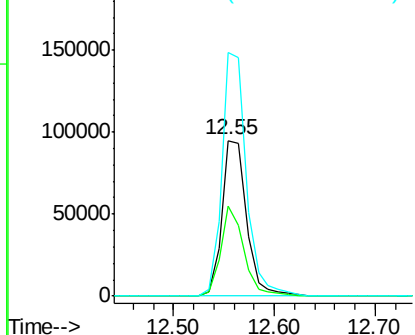


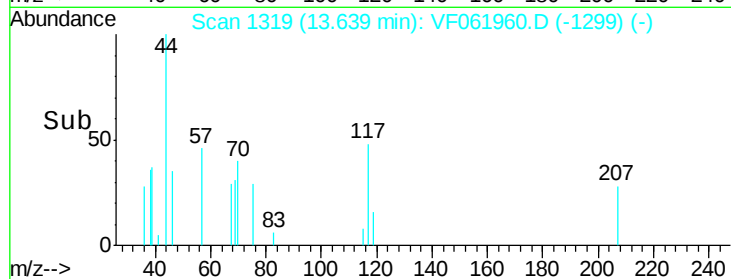
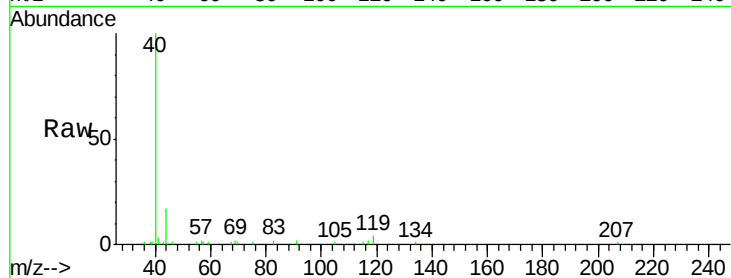
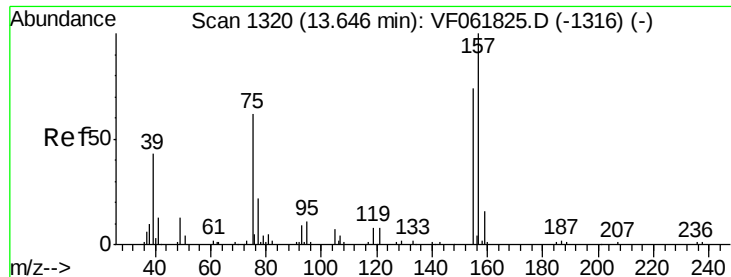
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061960.D
Acq: 15 Mar 2019 14:46

Tgt Ion:152 Resp: 161967
Ion Ratio Lower Upper
152 100
115 57.8 27.7 83.1
150 156.7 0.0 304.2



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.948 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061960.D

Acq: 15 Mar 2019 14:46

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-6(1.5-2)

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

