

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061958.D
 Acq On : 15 Mar 2019 13:48
 Operator : VA/AP
 Sample : K1928-01
 Misc : 5.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(1.5-2)

Quant Time: Mar 15 23:15:52 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	220524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	370882	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	283898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	144217	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	109163	67.97	ug/l	0.00
Spiked Amount			Recovery	=	135.94%	
35) Dibromofluoromethane	4.12	113	94200	36.39	ug/l	0.00
Spiked Amount			Recovery	=	72.78%	
50) Toluene-d8	7.56	98	386564	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.42	95	163992	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	

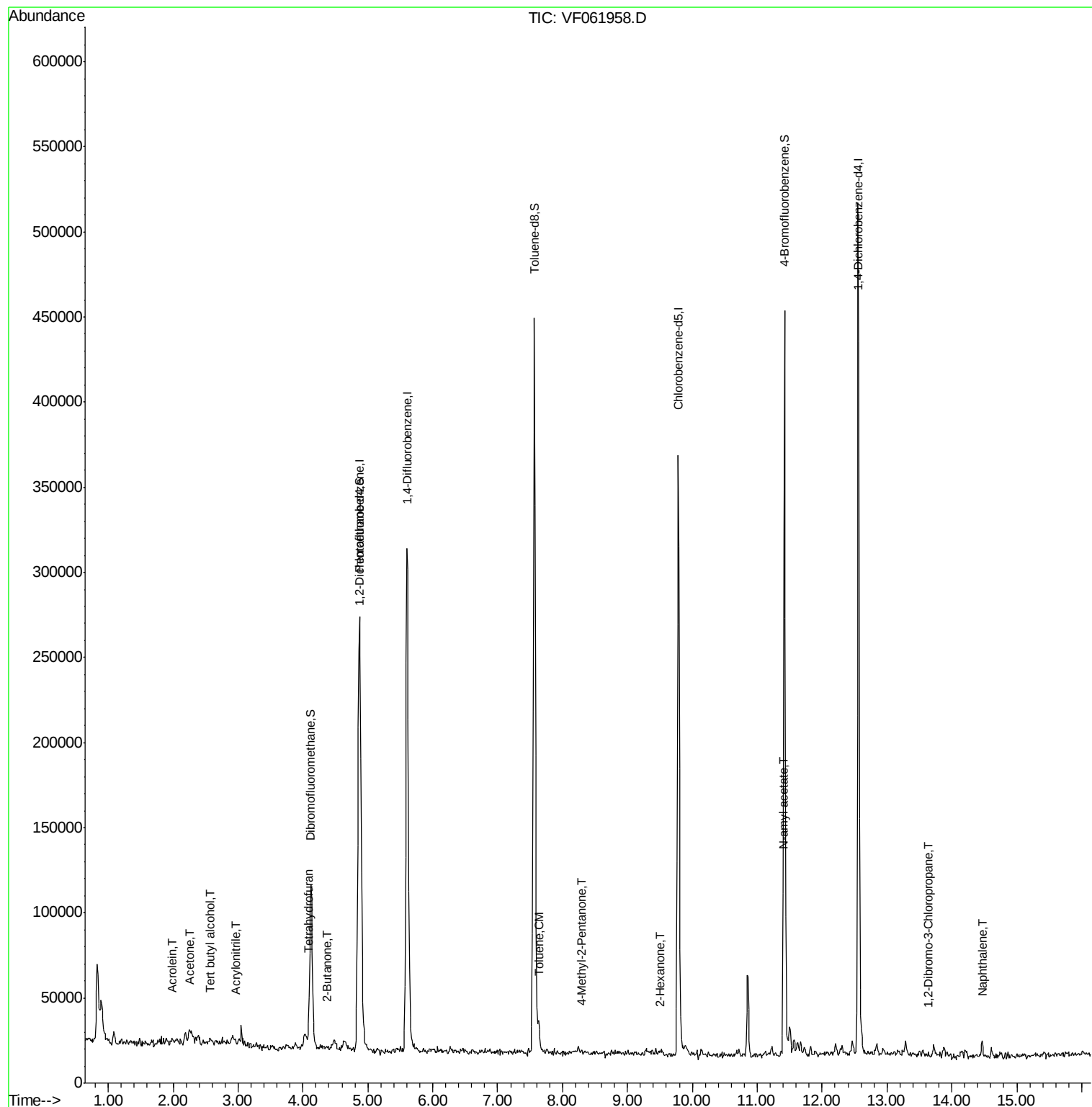
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	419	4.597	ug/l #	15
13) Acrolein	1.98	56	297	2.571	ug/l #	1
15) Acrylonitrile	2.95	53	583	2.009	ug/l #	56
16) Acetone	2.25	43	3567	10.603	ug/l	92
18) Methyl Acetate	2.37	43	3970	Below Cal	#	62
20) Methylene Chloride	2.29	84	5123	Below Cal		93
25) 2-Butanone	4.36	43	1477	2.159	ug/l	94
29) Tetrahydrofuran	4.08	42	1783	6.042	ug/l #	49
51) 4-Methyl-2-Pentanone	8.28	43	3627	2.895	ug/l #	70
52) Toluene	7.63	92	8487	1.567	ug/l	98
59) 2-Hexanone	9.51	43	2664	2.948	ug/l	86
74) N-amyl acetate	11.39	43	2521	1.103	ug/l #	88
92) 1,2-Dibromo-3-Chloropropan	13.65	75	77	4.016	ug/l #	1
95) Naphthalene	14.47	128	7183	1.338	ug/l	96

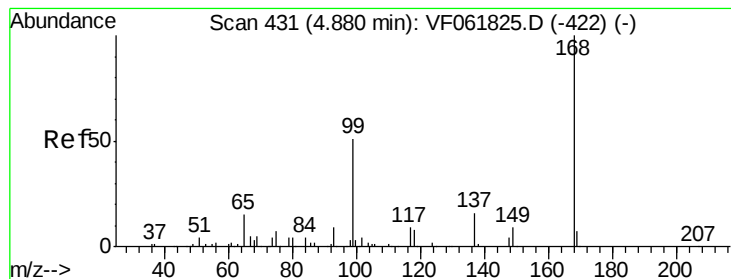
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061958.D
Acq On : 15 Mar 2019 13:48
Operator : VA/AP
Sample : K1928-01
Misc : 5.48g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(1.5-2)

Quant Time: Mar 15 23:15:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
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: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

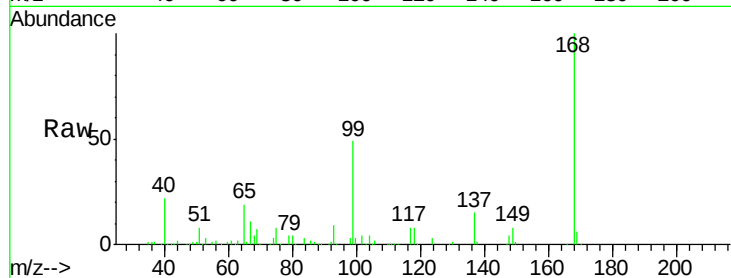
SB-MW-7(1.5-2)

Tot Ion:168 Resp: 220524

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

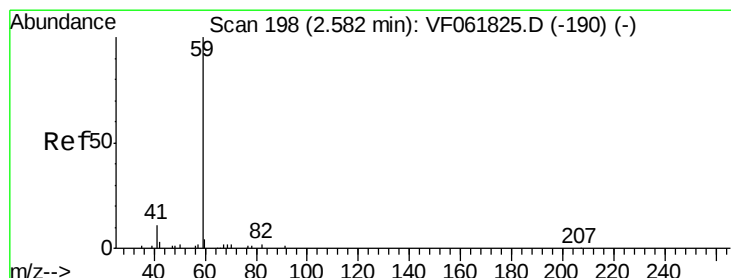
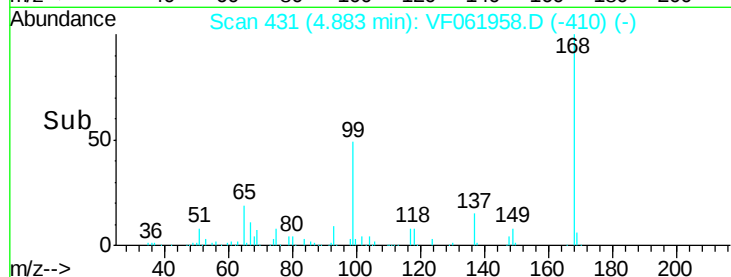
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 4.597 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061958.D

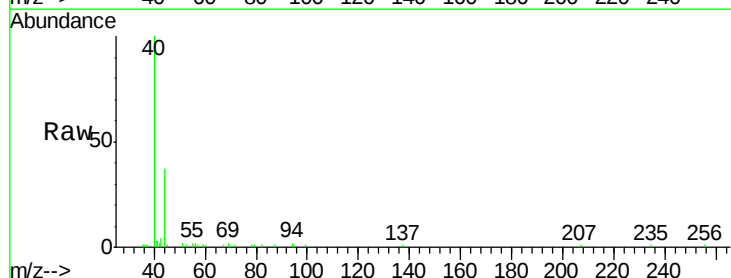
Acq: 15 Mar 2019 13:48

Tgt Ion: 59 Resp: 419

Ion Ratio Lower Upper

59 100

57 50.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

400

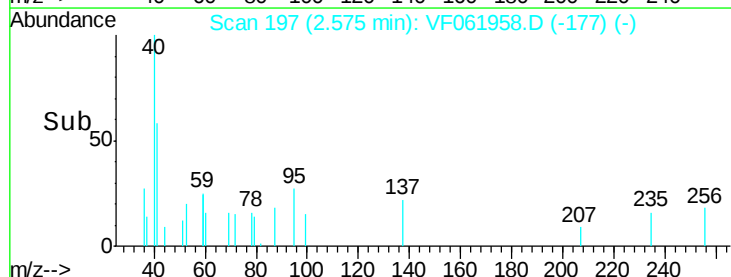
300

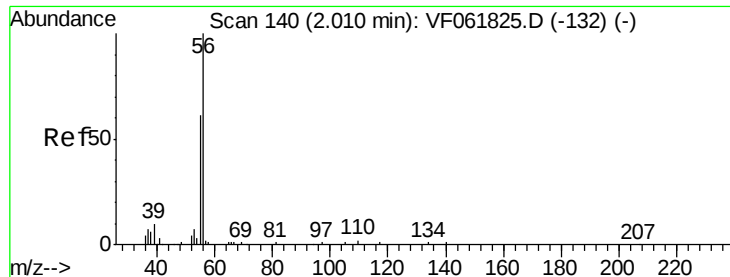
200

100

0

Time--> 2.54 2.56 2.58 2.60





#13

Acrolein

Concen: 2.571 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

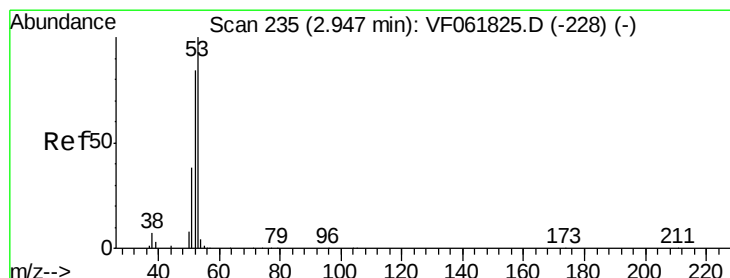
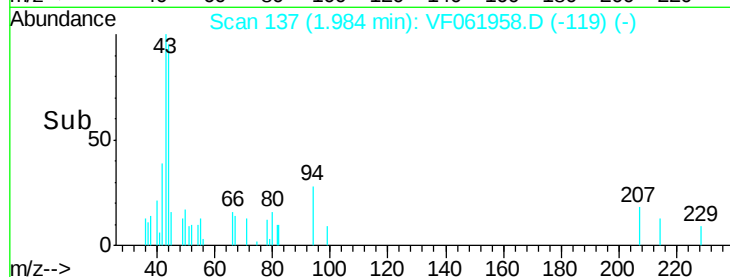
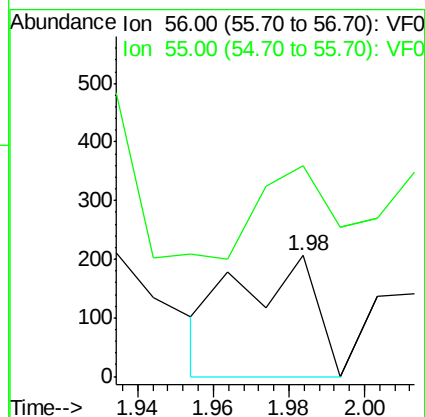
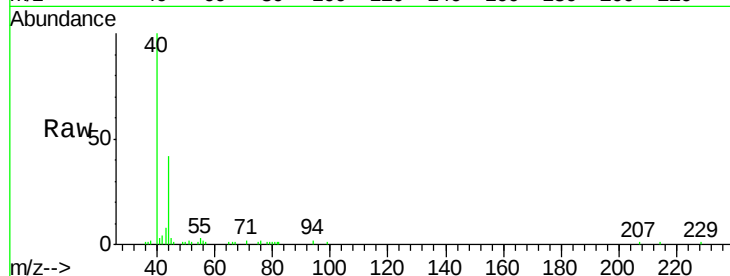
SB-MW-7(1.5-2)

Tot Ion: 56 Resp: 297

Ion Ratio Lower Upper

56 100

55 174.3 51.3 76.9#



#15

Acrylonitrile

Concen: 2.009 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

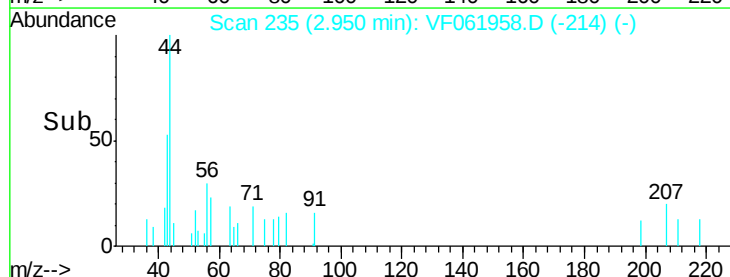
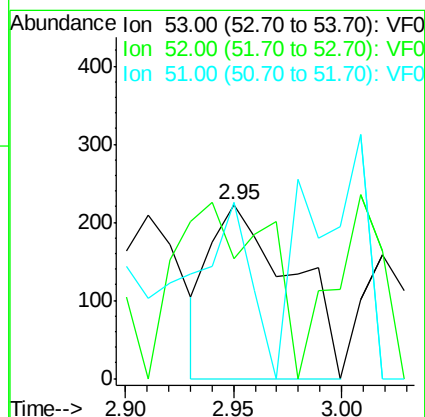
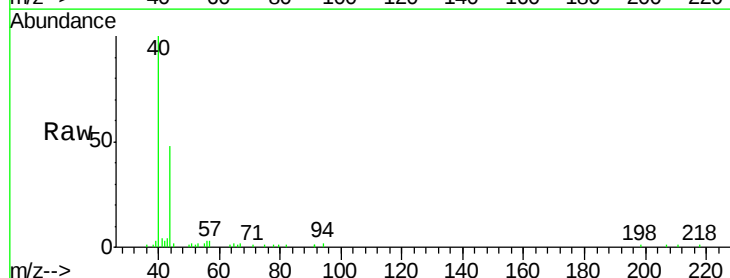
Tgt Ion: 53 Resp: 583

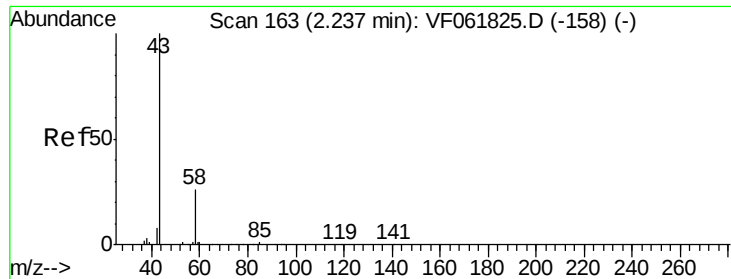
Ion Ratio Lower Upper

53 100

52 68.6 67.4 101.0

51 101.3 30.7 46.1#





#16

Acetone

Concen: 10.603 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

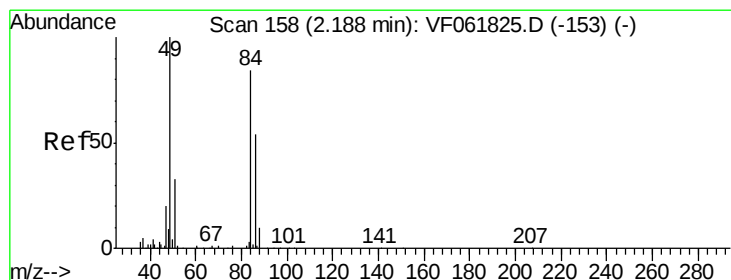
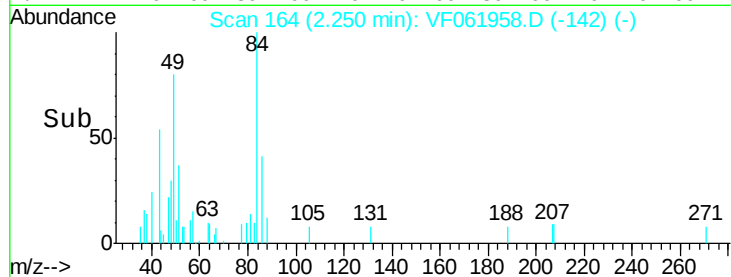
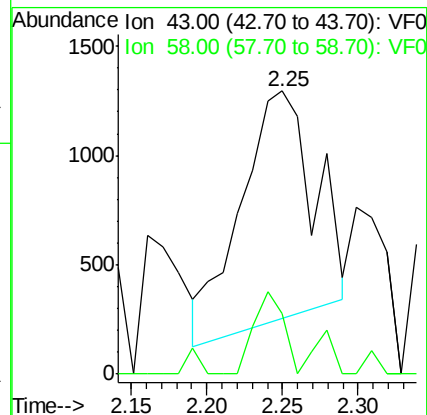
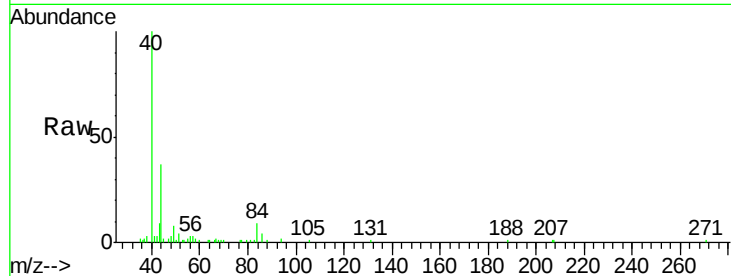
SB-MW-7(1.5-2)

Tot Ion: 43 Resp: 3567

Ion Ratio Lower Upper

43 100

58 21.3 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.29 min Scan# 168

Delta R.T. 0.10 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Tgt Ion: 84 Resp: 5123

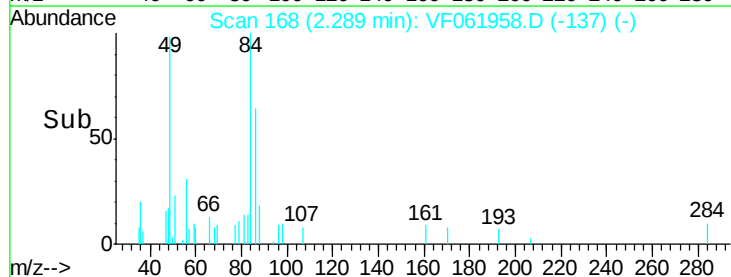
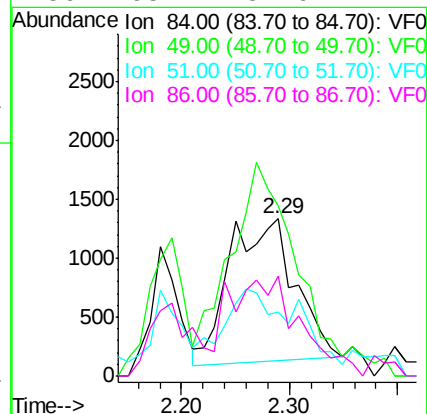
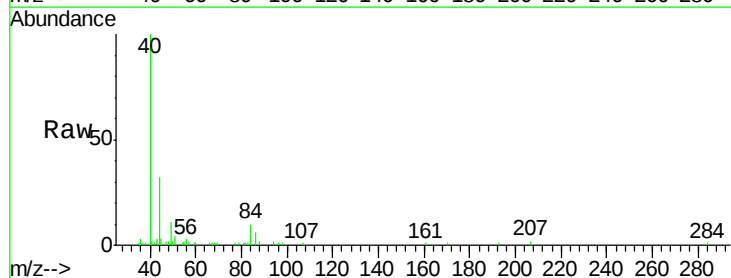
Ion Ratio Lower Upper

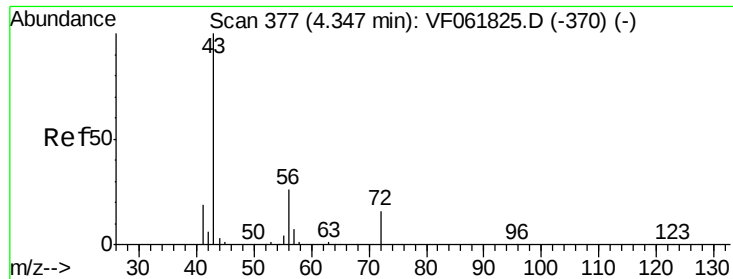
84 100

49 108.2 96.8 145.2

51 40.9 31.8 47.6

86 63.7 51.6 77.4

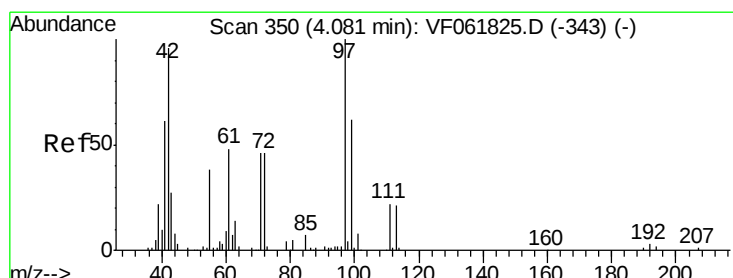
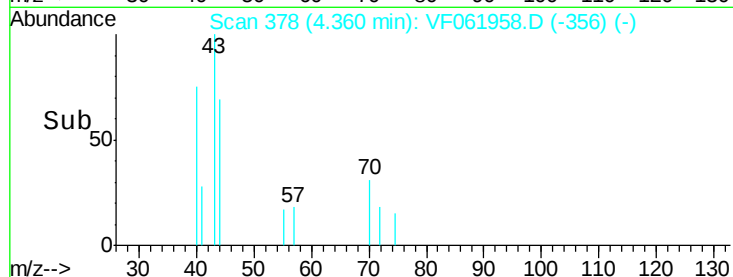
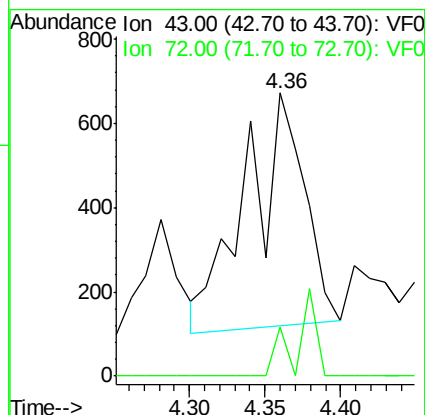
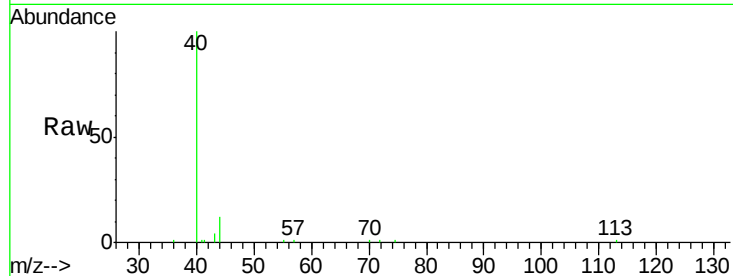




#25
2-Butanone
Concen: 2.159 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

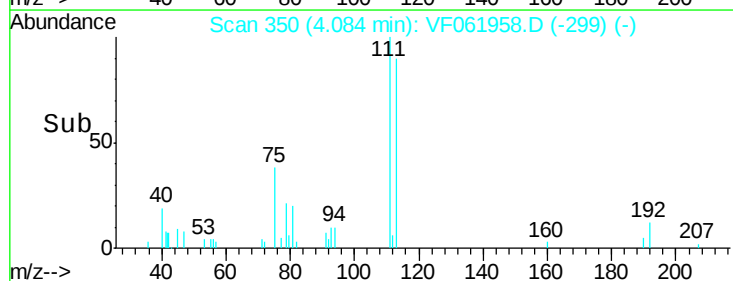
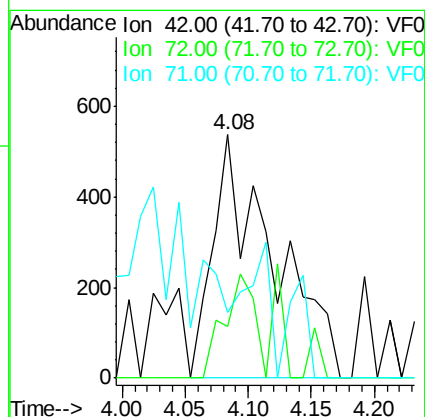
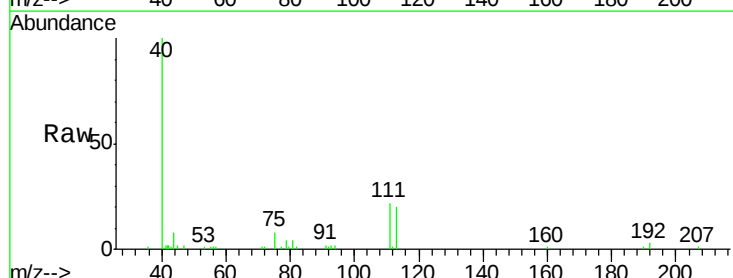
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(1.5-2)

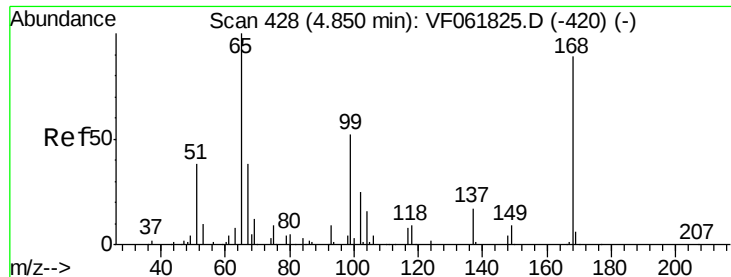
Tot Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
72 17.6 16.2 24.4



#29
Tetrahydrofuran
Concen: 6.042 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

Tgt Ion: 42 Resp: 1783
Ion Ratio Lower Upper
42 100
72 21.4 34.4 51.6#
71 0.0 34.6 52.0#





#33

1,2-Dichloroethane-d4

Concen: 67.974 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

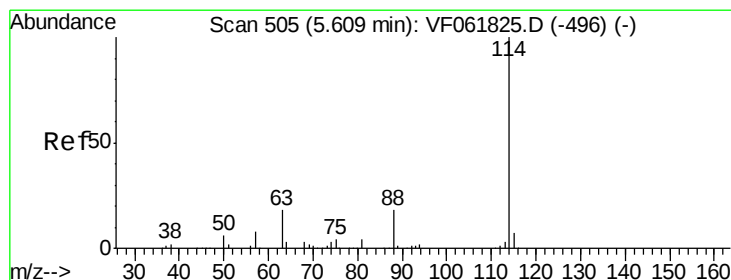
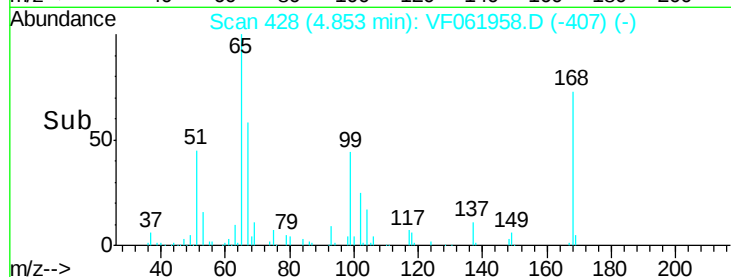
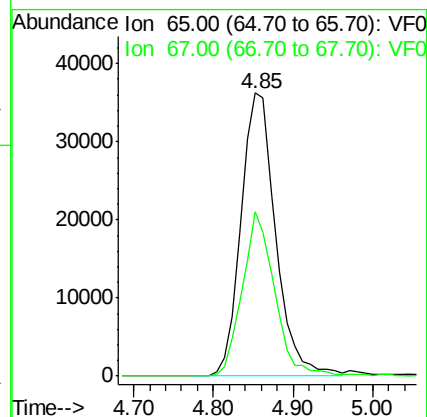
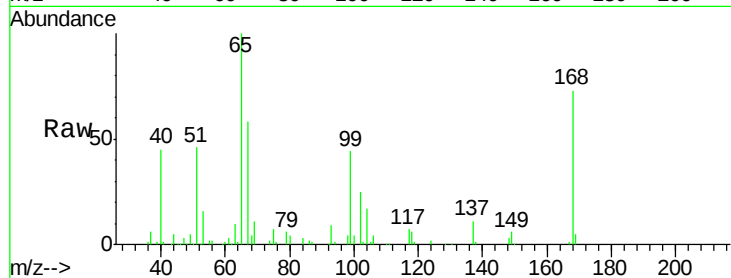
SB-MW-7(1.5-2)

Tot Ion: 65 Resp: 109163

Ion Ratio Lower Upper

65 100

67 58.2 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

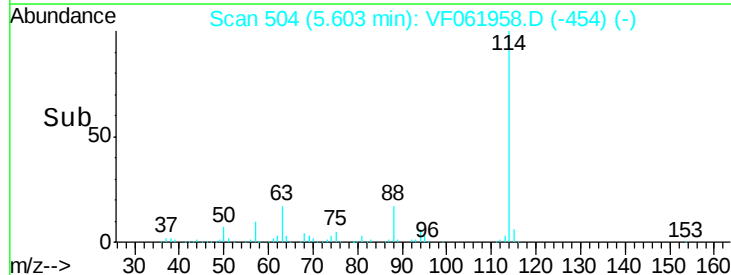
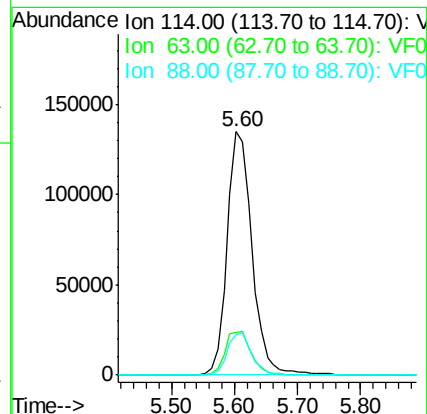
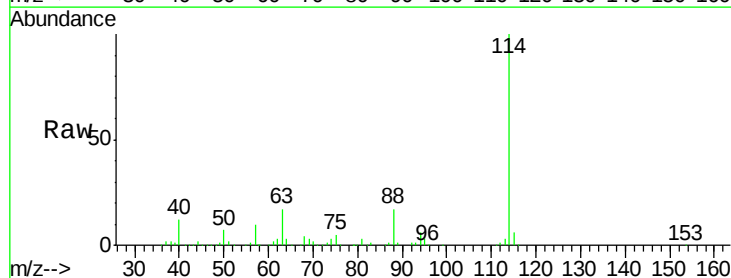
Tgt Ion: 114 Resp: 370882

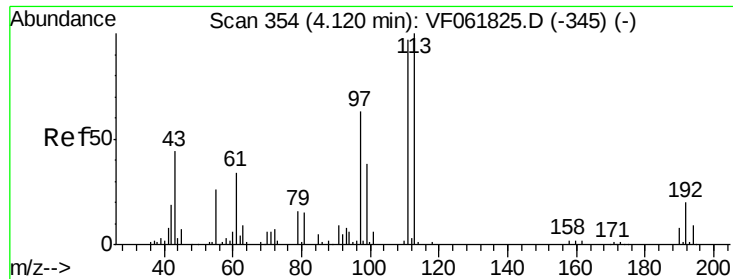
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

88 16.6 0.0 35.6



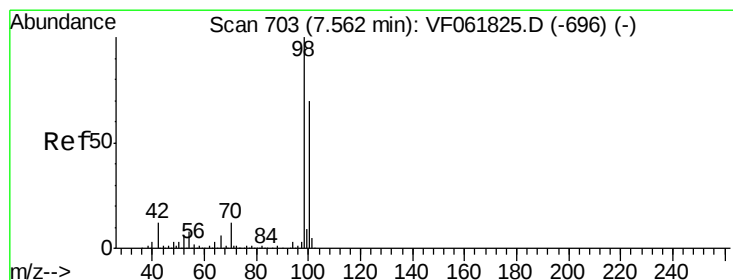
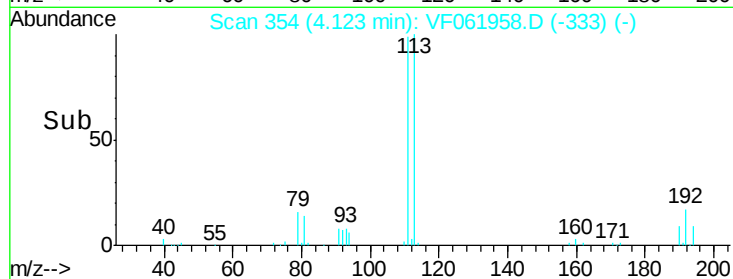
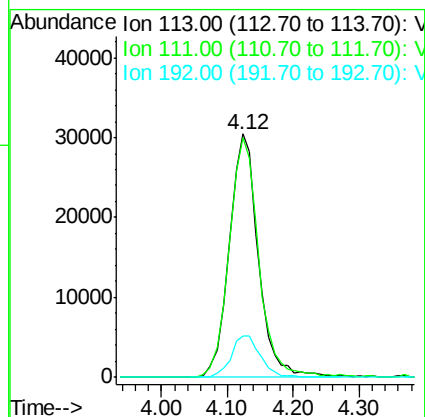
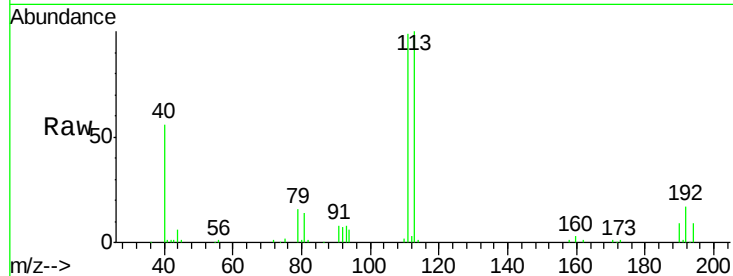


#35
Dibromofluoromethane
Concen: 36.395 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(1.5-2)

Tot Ion:113 Resp: 94200

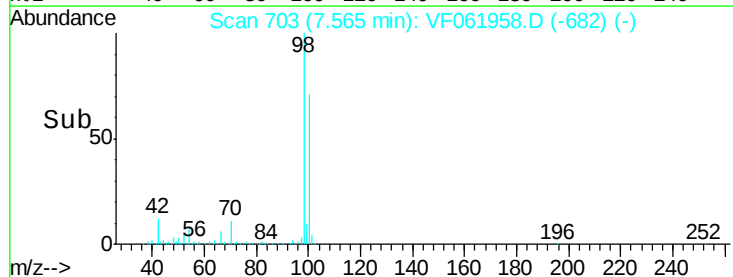
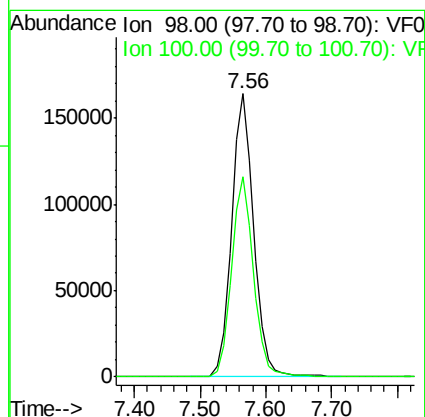
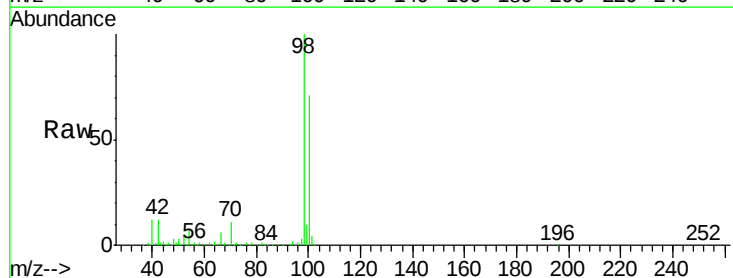
Ion	Ratio	Lower	Upper
113	100		
111	98.5	77.6	116.4
192	17.5	15.9	23.9

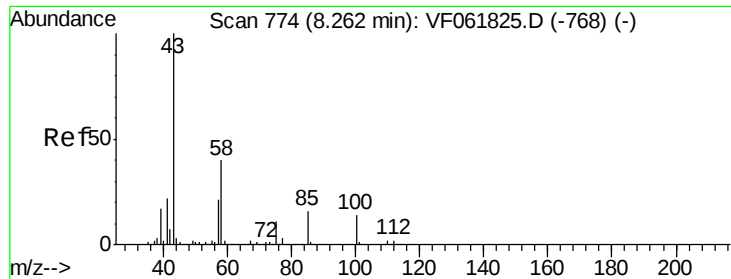


#50
Toluene-d8
Concen: 50.248 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

Tgt Ion: 98 Resp: 386564

Ion	Ratio	Lower	Upper
98	100		
100	70.6	56.0	84.0





#51

4-Methyl-2-Pentanone

Concen: 2.895 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

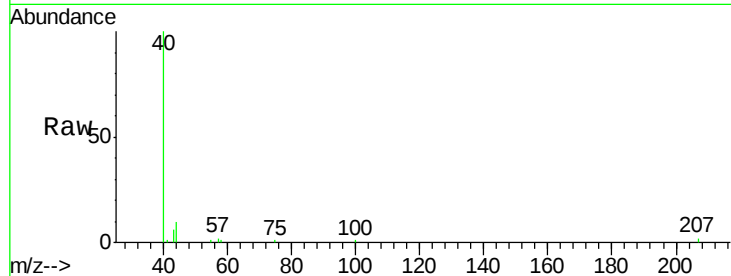
SB-MW-7(1.5-2)

Tot Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

58 21.4 31.8 47.8#

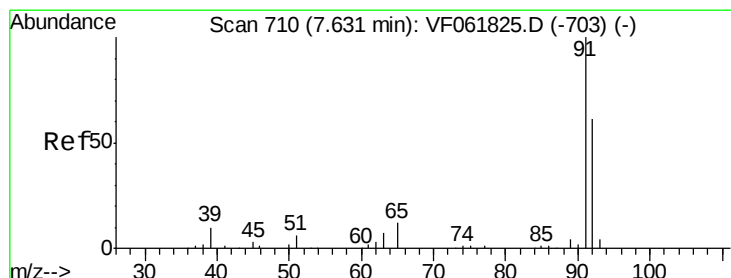
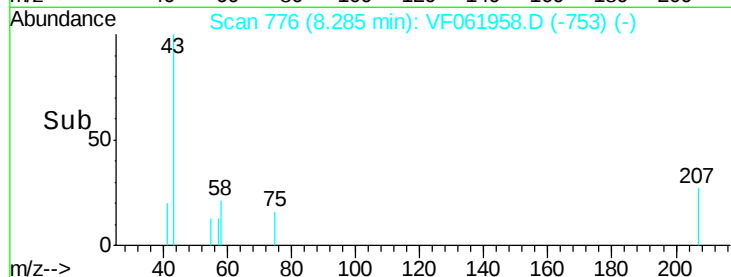


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

Time-->



#52

Toluene

Concen: 1.567 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061958.D

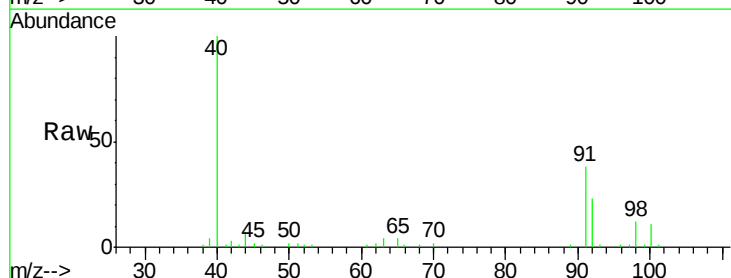
Acq: 15 Mar 2019 13:48

Tgt Ion: 92 Resp: 8487

Ion Ratio Lower Upper

92 100

91 168.2 132.0 198.0

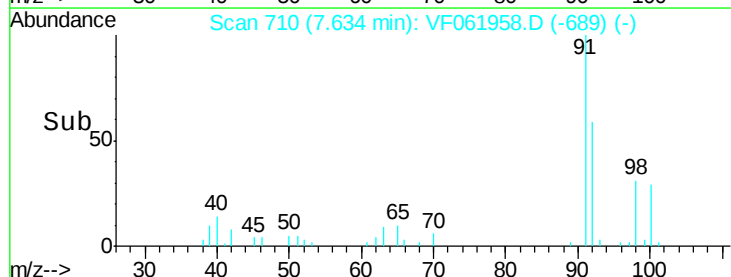


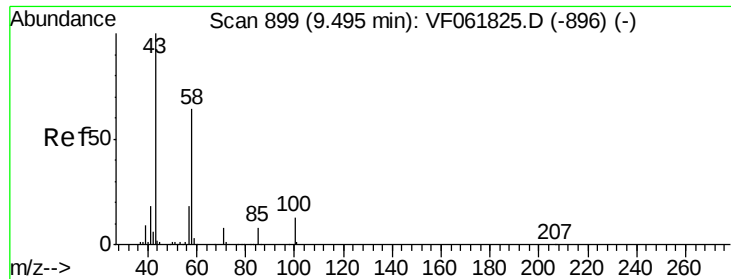
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

Time-->





#59

2-Hexanone

Concen: 2.948 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

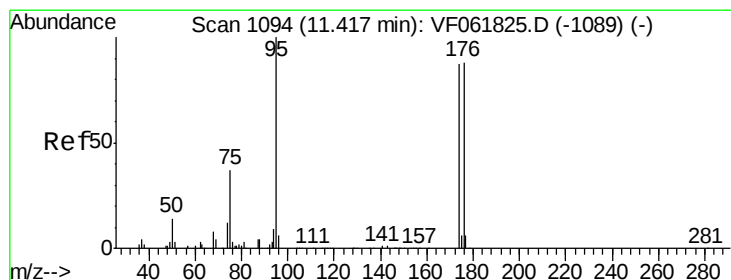
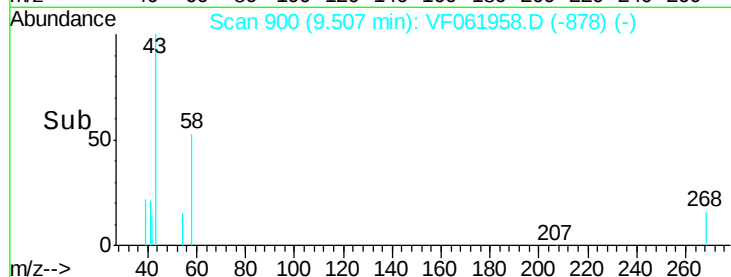
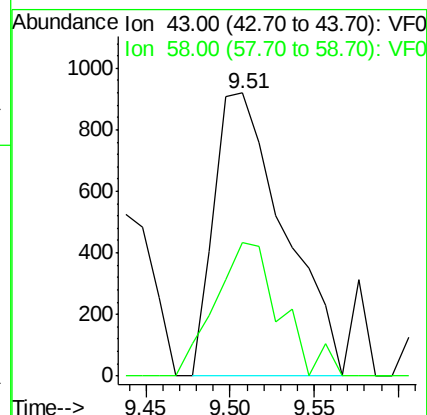
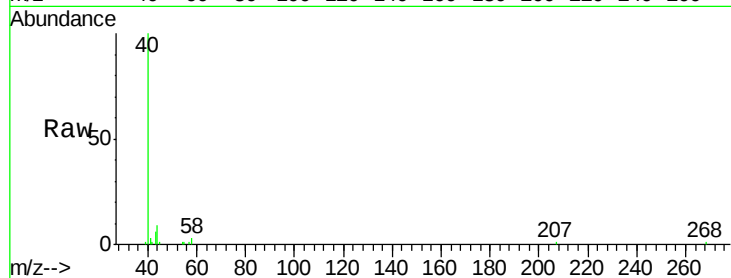
SB-MW-7(1.5-2)

Tot Ion: 43 Resp: 2664

Ion Ratio Lower Upper

43 100

58 47.1 28.8 86.4



#62

4-Bromofluorobenzene

Concen: 54.418 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

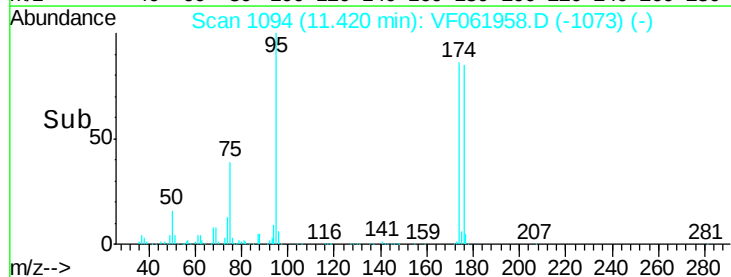
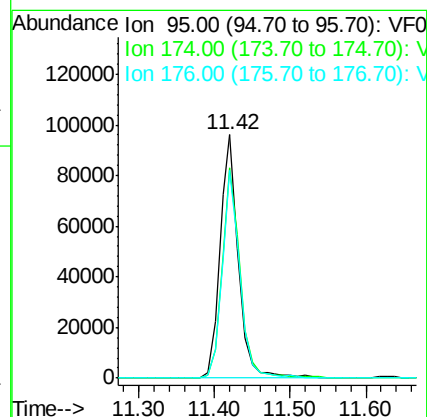
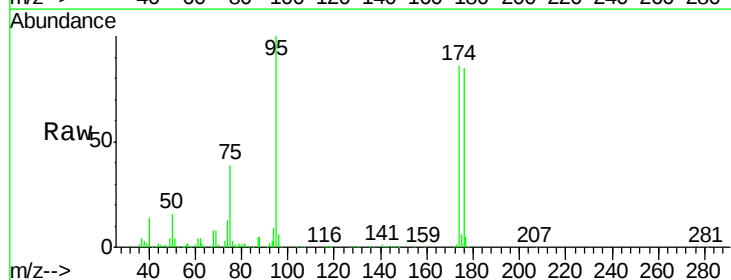
Tgt Ion: 95 Resp: 163992

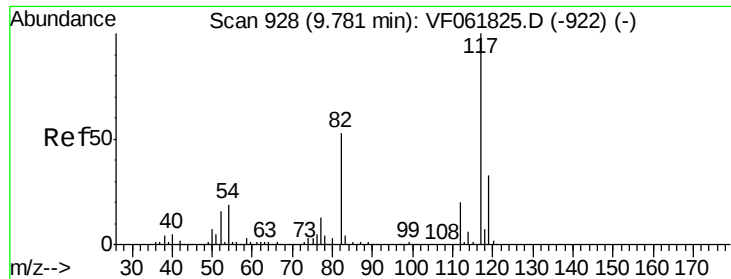
Ion Ratio Lower Upper

95 100

174 86.3 0.0 174.0

176 85.1 0.0 175.2

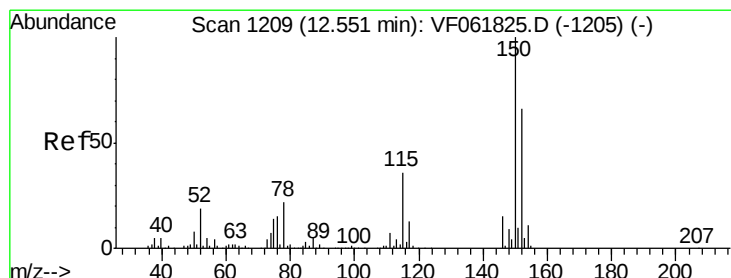
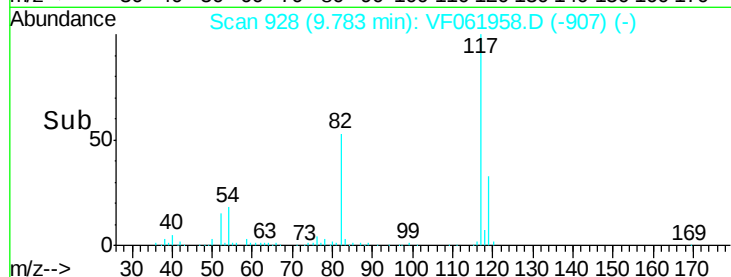
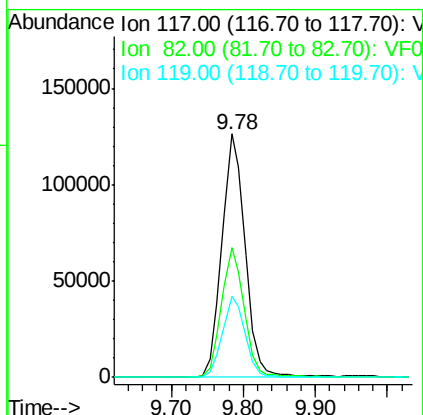
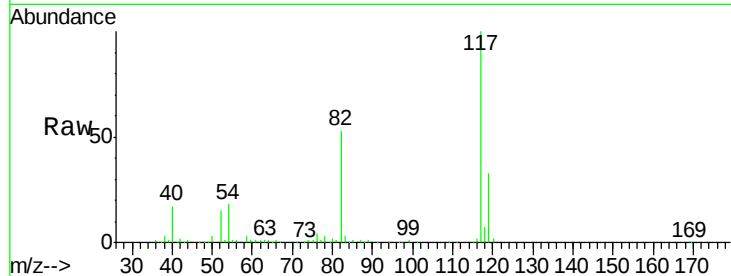




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

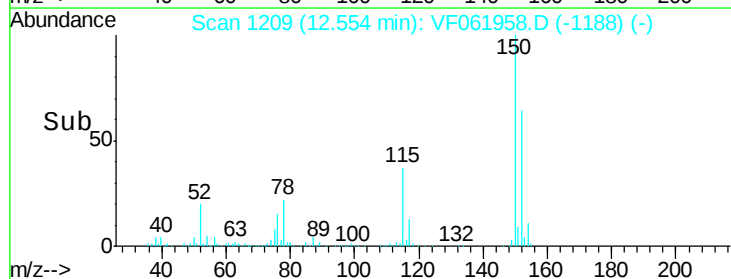
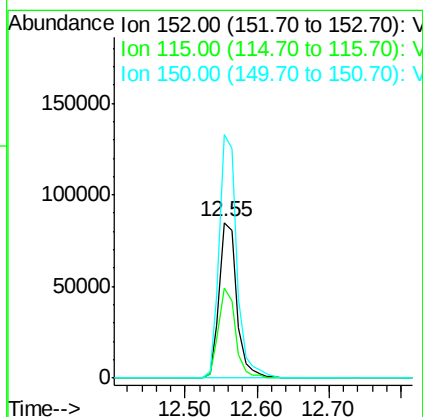
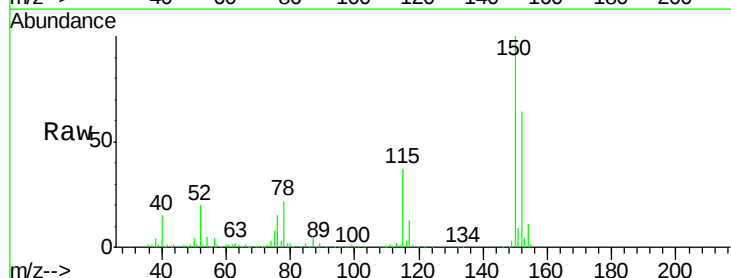
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(1.5-2)

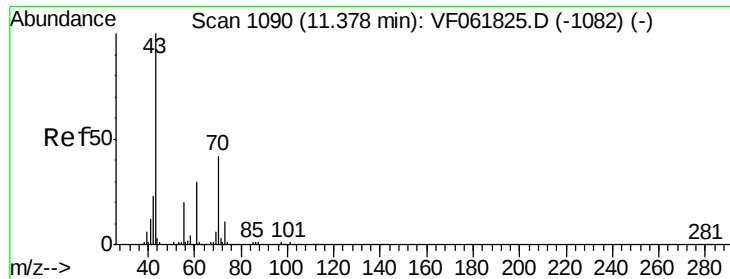
Tot Ion:117 Resp: 283898
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 33.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061958.D
Acq: 15 Mar 2019 13:48

Tgt Ion:152 Resp: 144217
Ion Ratio Lower Upper
152 100
115 57.6 27.7 83.1
150 156.3 0.0 304.2





#74

N-amvl acetate

Concen: 1.103 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

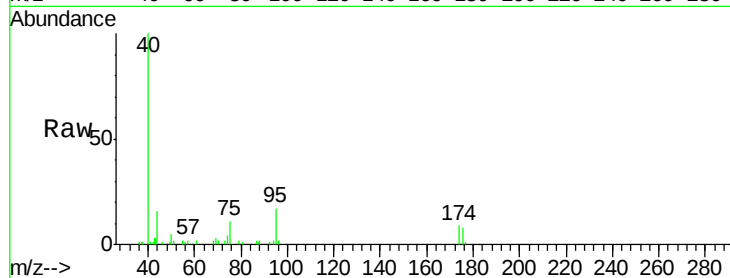
ClientSampleId :

SB-MW-7(1.5-2)

Tot Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43	100		
70	35.2	33.4	50.0
55	35.6	16.3	24.5
61	30.4	24.0	36.0

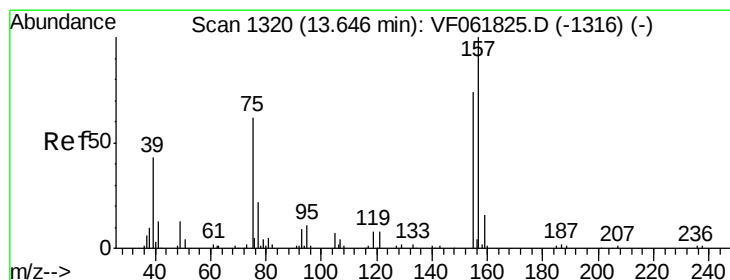
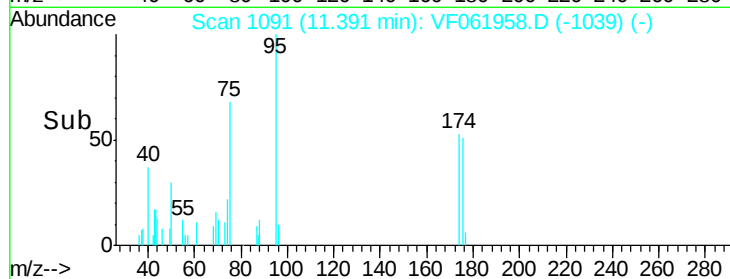
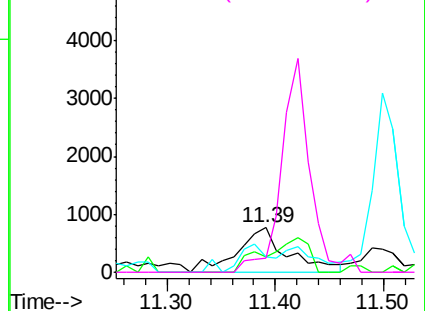


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.016 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

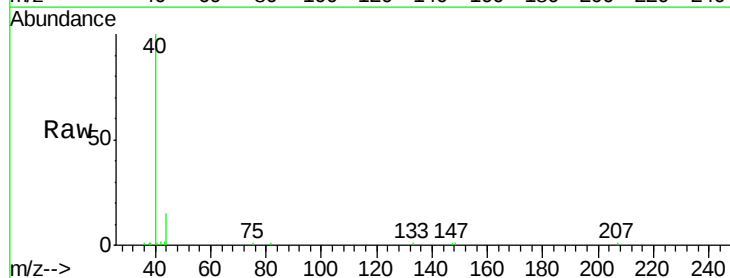
Lab File: VF061958.D

Acq: 15 Mar 2019 13:48

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

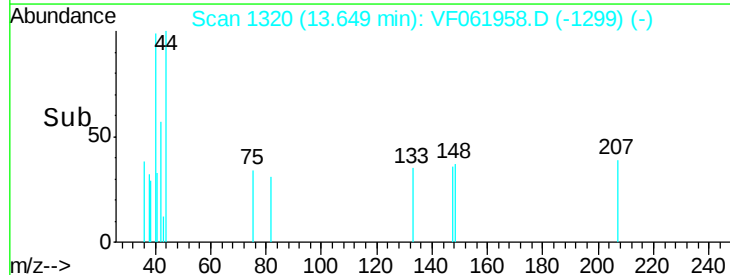
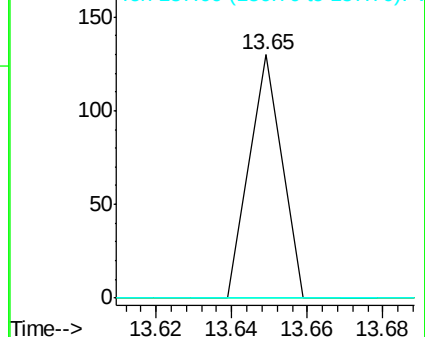
75	100		
155	0.0	59.8	179.4
157	0.0	81.2	243.4

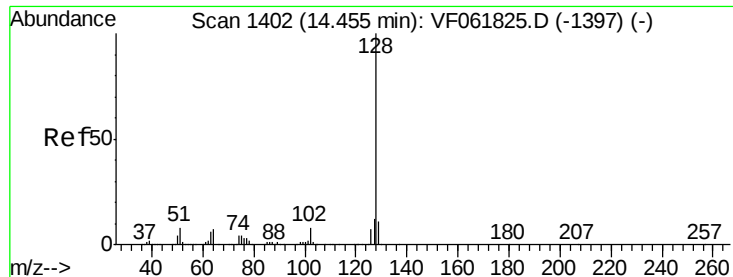


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 1.338 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061958.D

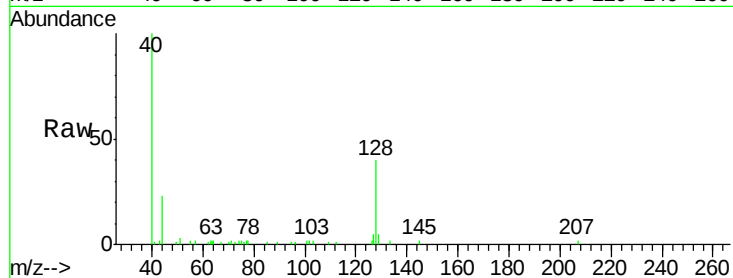
Acq: 15 Mar 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(1.5-2)



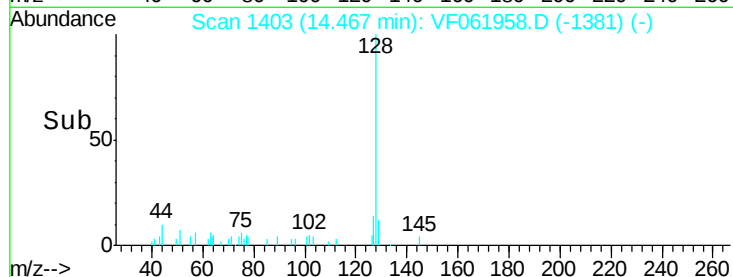
Tot Ion:128 Resp: 7183

Ion Ratio Lower Upper

128 100

127 13.6 9.3 13.9

129 12.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

