

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062128.D
 Acq On : 25 Mar 2019 13:27
 Operator : VA/AP
 Sample : VF0325SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBL01

Quant Time: Mar 26 04:18:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	290101	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	439495	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	375826	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	217251	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	117551	54.48	ug/l	-0.03
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	4.10	113	160723	54.06	ug/l	-0.04
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	7.55	98	445593	50.21	ug/l	-0.04
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.40	95	192446	56.17	ug/l	-0.03
Spiked Amount			Recovery	=	112.34%	

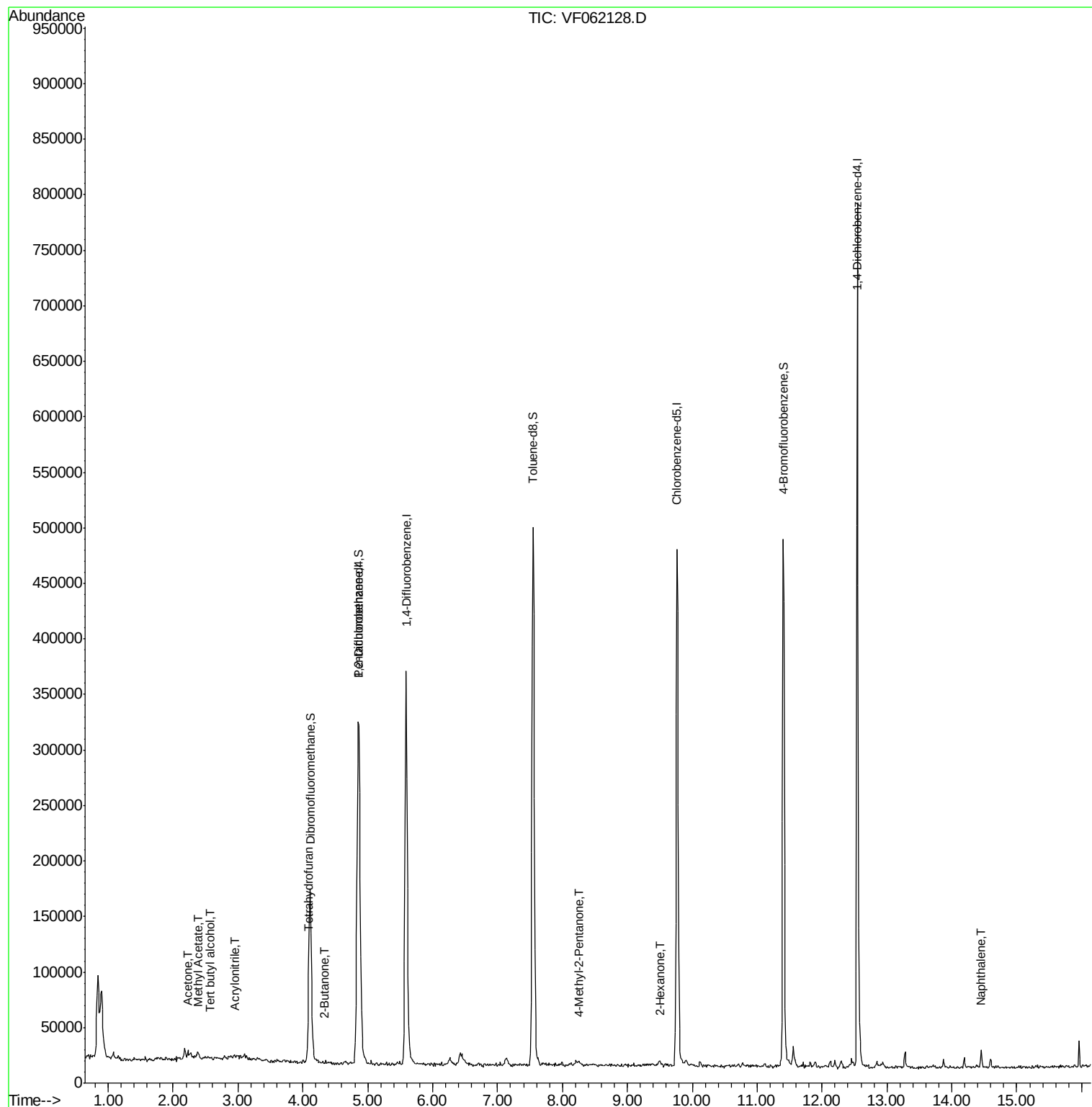
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	136	1.145	ug/l #	1
15) Acrylonitrile	2.94	53	1199	2.872	ug/l #	72
16) Acetone	2.23	43	1207	2.658	ug/l	95
18) Methyl Acetate	2.38	43	7048	6.506	ug/l #	56
20) Methylene Chloride	2.18	84	3101	Below Cal		87
25) 2-Butanone	4.33	43	1987	2.096	ug/l #	55
29) Tetrahydrofuran	4.08	42	1199	2.909	ug/l #	70
51) 4-Methyl-2-Pentanone	8.26	43	4058	2.736	ug/l #	85
59) 2-Hexanone	9.49	43	5263	4.842	ug/l #	58
95) Naphthalene	14.45	128	10618	1.334	ug/l #	92

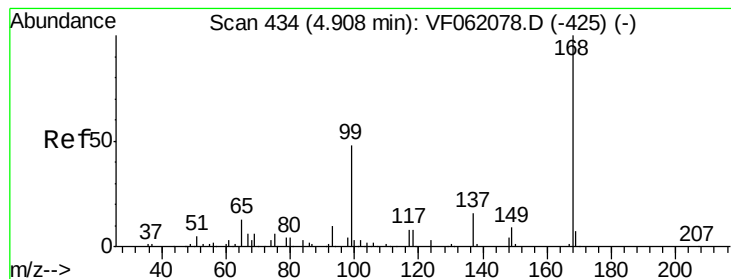
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 26 04:18:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.04 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

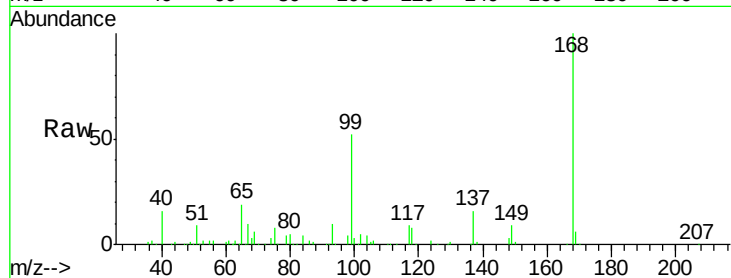
VF0325SBL01

Tot Ion:168 Resp: 290101

Ion Ratio Lower Upper

168 100

99 52.1 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

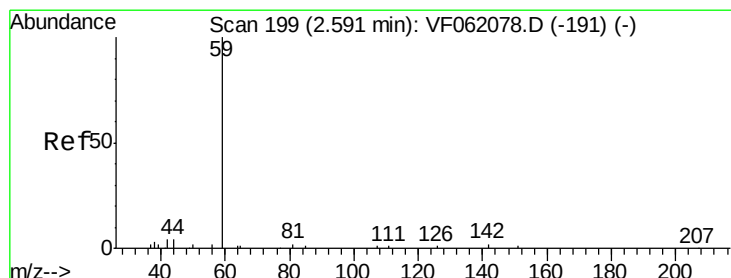
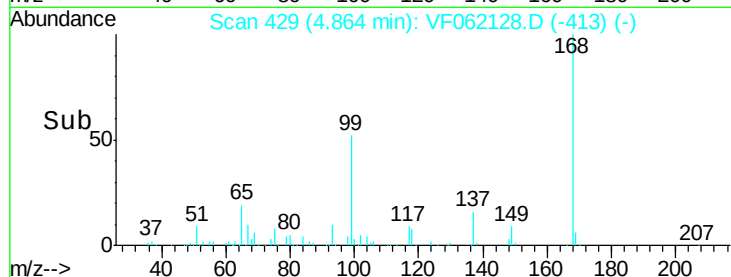
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.145 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF062128.D

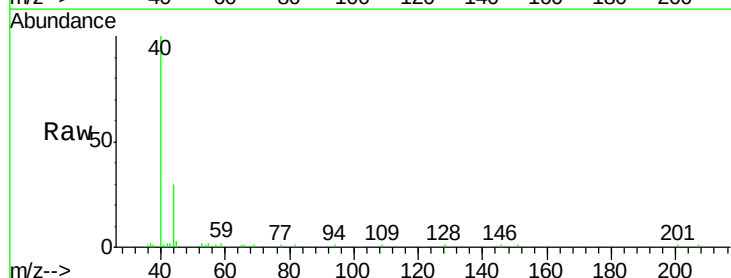
Acq: 25 Mar 2019 13:27

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 89.1 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

250

200

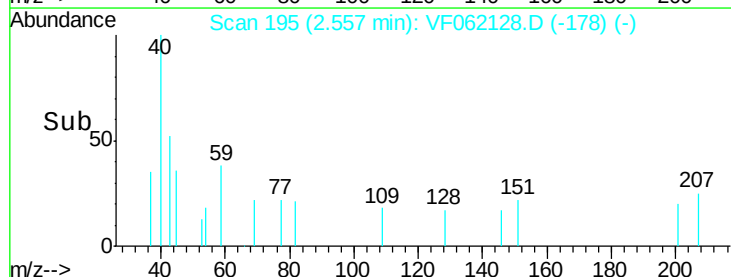
150

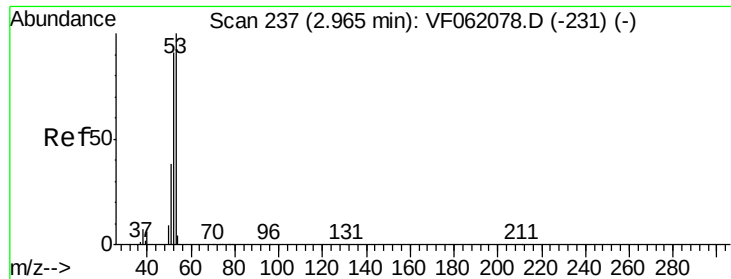
100

50

0

Time--> 2.52 2.54 2.56 2.58





#15

Acrylonitrile

Concen: 2.872 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBL01

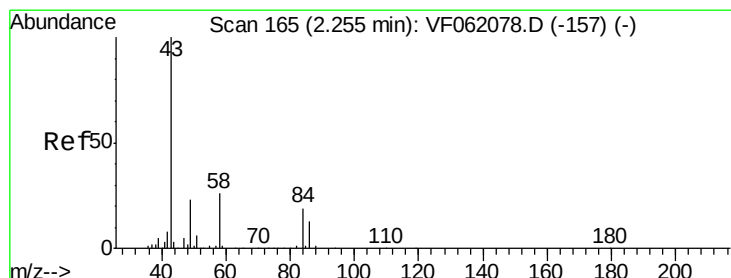
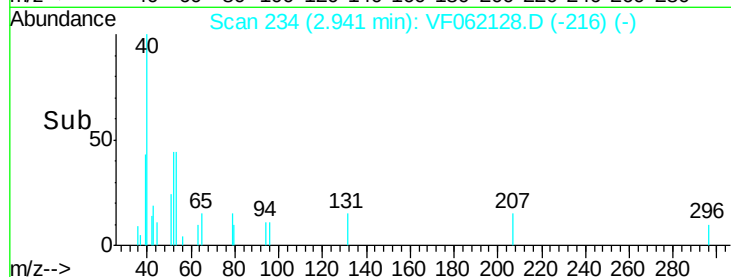
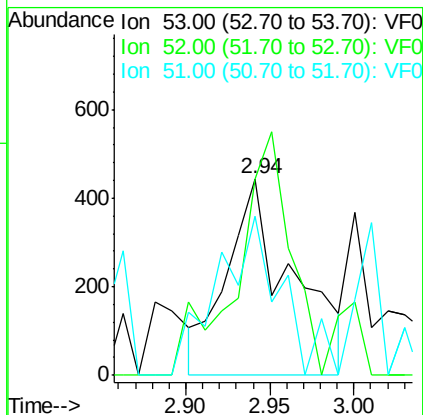
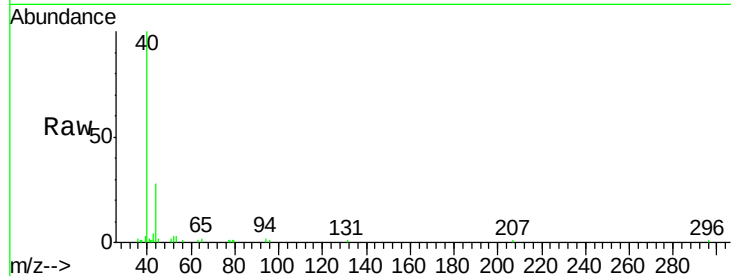
Tot Ion: 53 Resp: 1199

Ion Ratio Lower Upper

53 100

52 99.8 72.3 108.5

51 80.9 30.4 45.6#



#16

Acetone

Concen: 2.658 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF062128.D

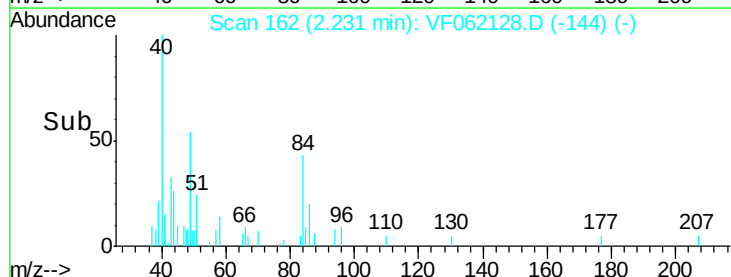
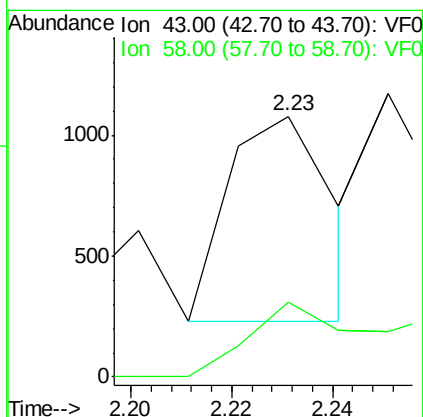
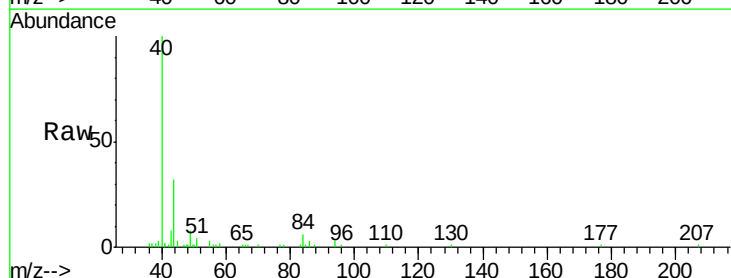
Acq: 25 Mar 2019 13:27

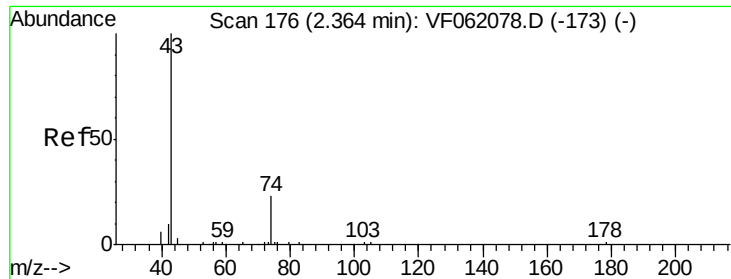
Tgt Ion: 43 Resp: 1207

Ion Ratio Lower Upper

43 100

58 28.7 20.8 31.2

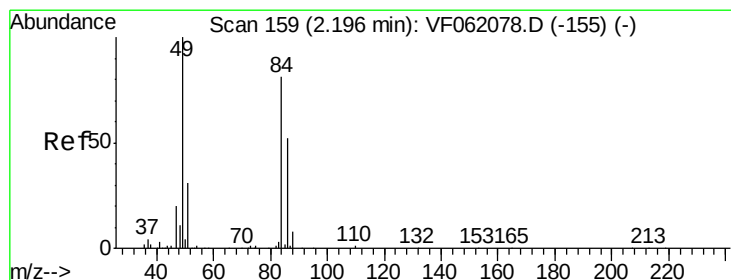
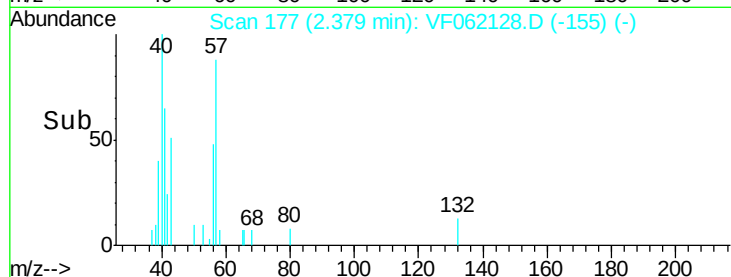
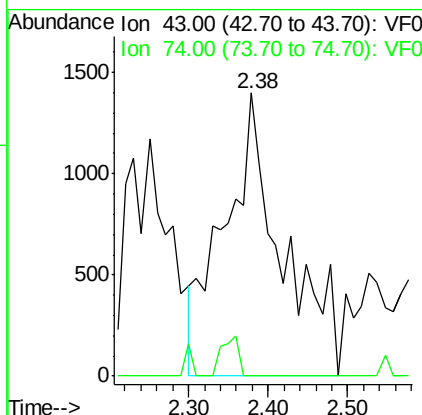
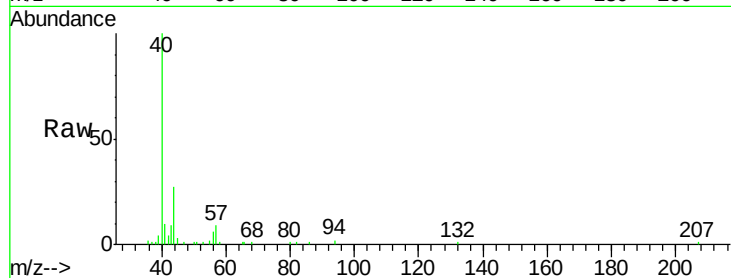




#18
Methyl Acetate
Concen: 6.506 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF062128.D
Acq: 25 Mar 2019 13:27

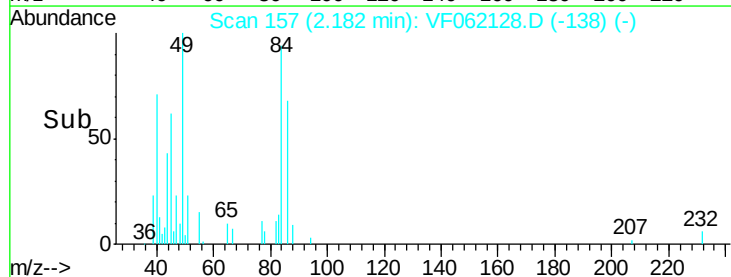
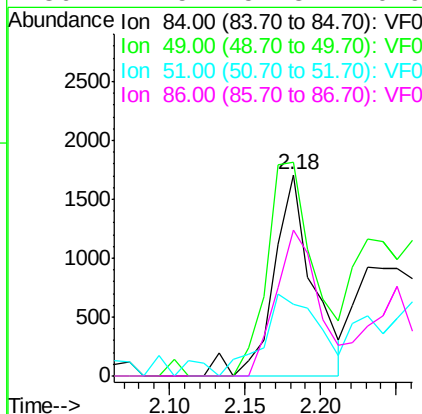
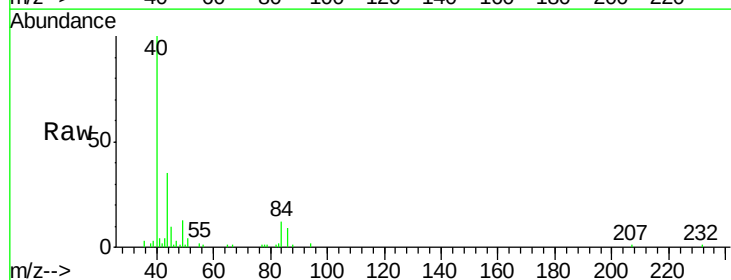
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBL01

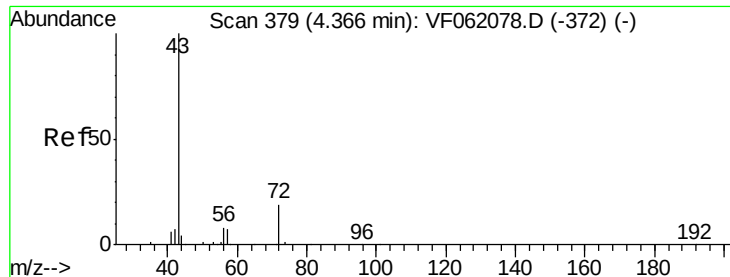
Tot Ion: 43 Resp: 7048
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062128.D
Acq: 25 Mar 2019 13:27

Tgt Ion: 84 Resp: 3101
Ion Ratio Lower Upper
84 100
49 106.3 100.4 150.6
51 35.8 31.0 46.6
86 72.5 51.3 76.9





#25

2-Butanone

Concen: 2.096 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

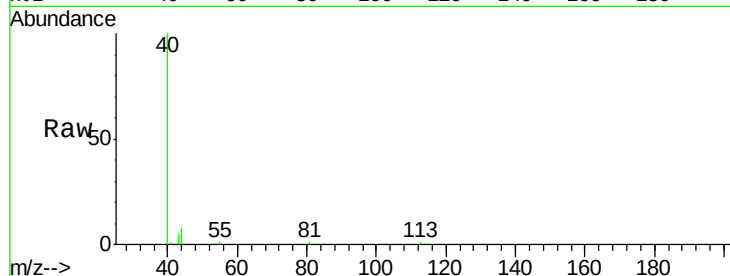
VF0325SBL01

Tot Ion: 43 Resp: 1987

Ion Ratio Lower Upper

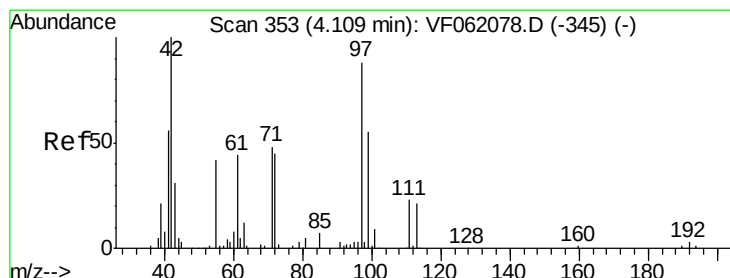
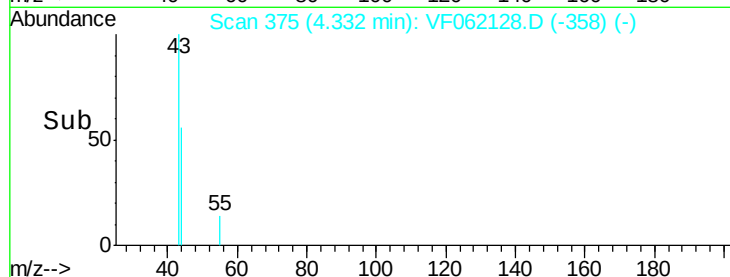
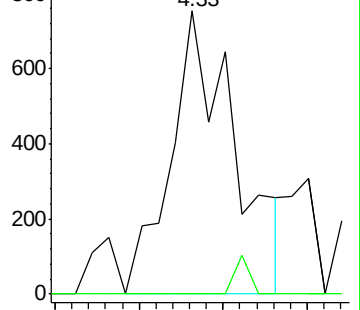
43 100

72 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 2.909 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

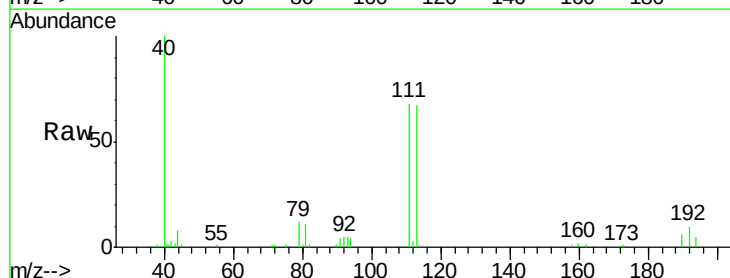
Tgt Ion: 42 Resp: 1199

Ion Ratio Lower Upper

42 100

72 17.3 33.3 49.9#

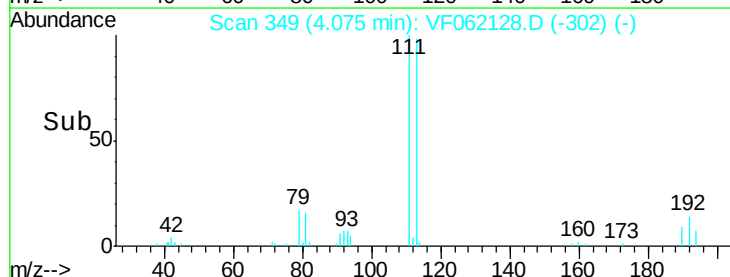
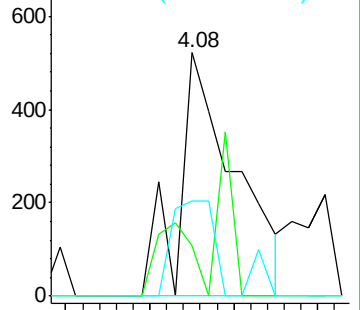
71 29.3 35.0 52.4#

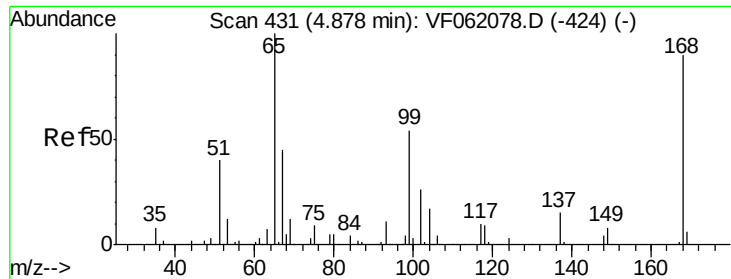


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

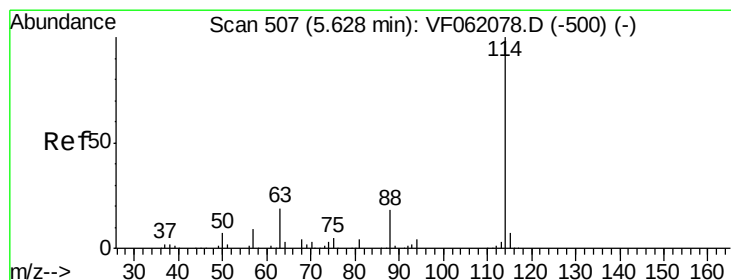
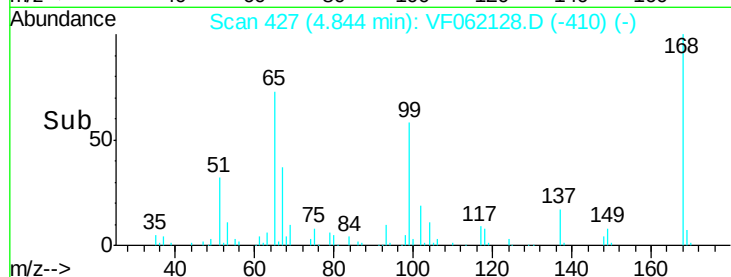
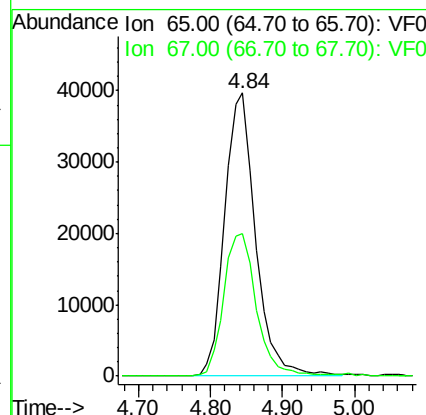
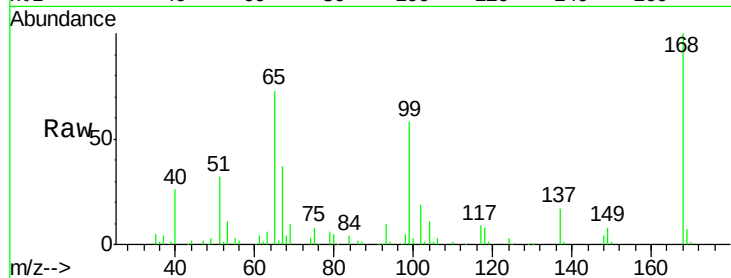




#33
 1,2-Dichloroethane-d4
 Concen: 54.477 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: VF062128.D
 Acq: 25 Mar 2019 13:27

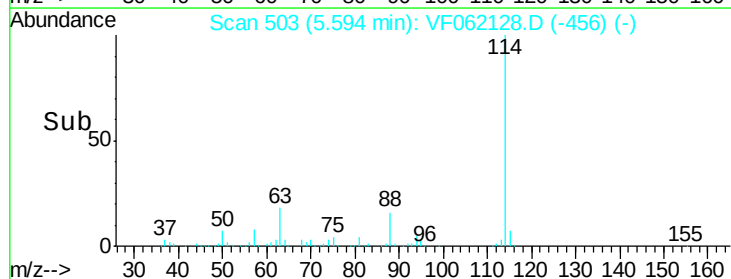
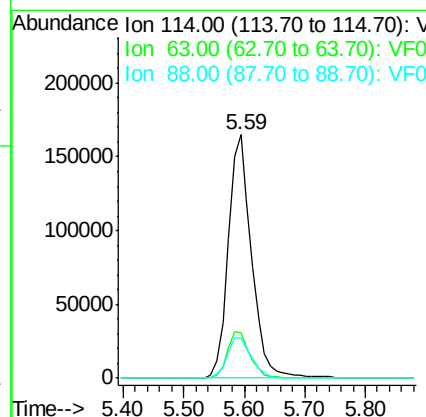
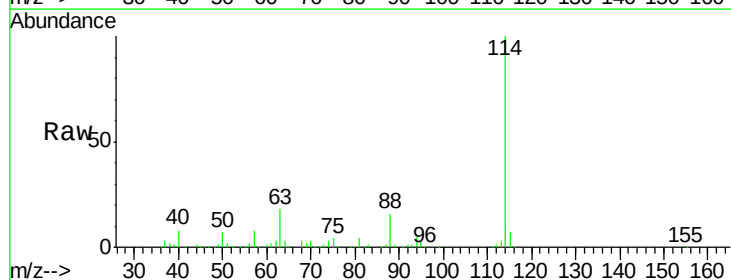
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBL01

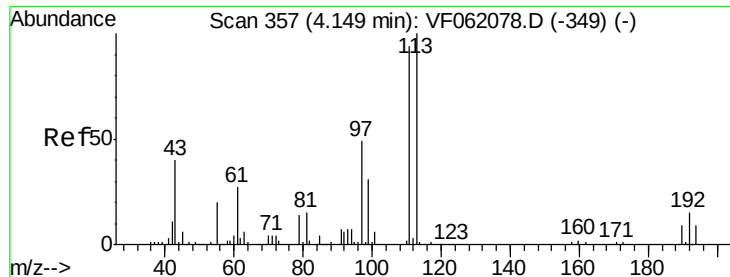
Tot Ion: 65 Resp: 117551
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.03 min
 Lab File: VF062128.D
 Acq: 25 Mar 2019 13:27

Tgt Ion: 114 Resp: 439495
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.8
 88 16.4 0.0 36.4

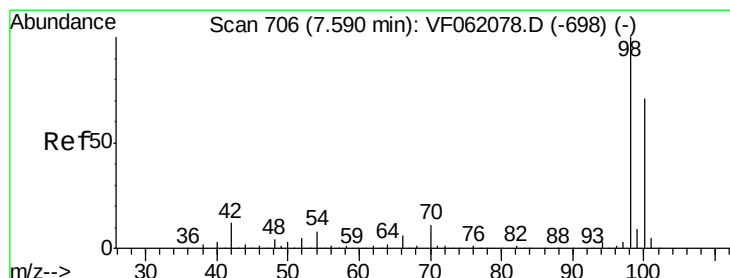
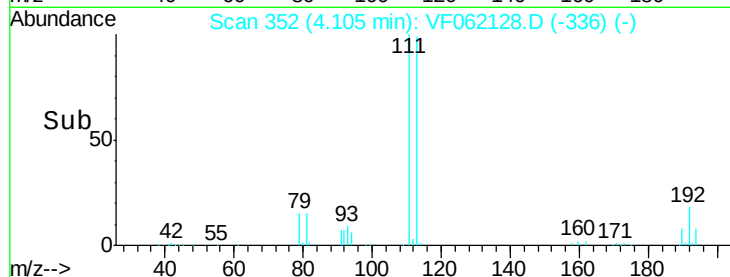
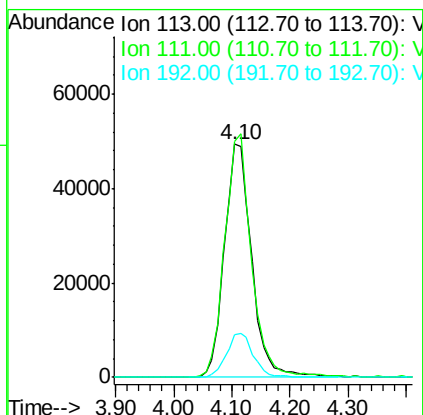
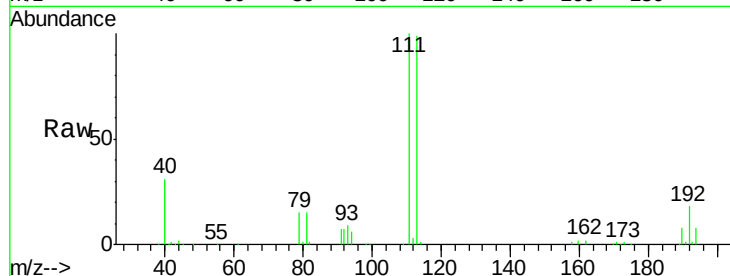




#35
Dibromofluoromethane
Concen: 54.061 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.04 min
Lab File: VF062128.D
Acq: 25 Mar 2019 13:27

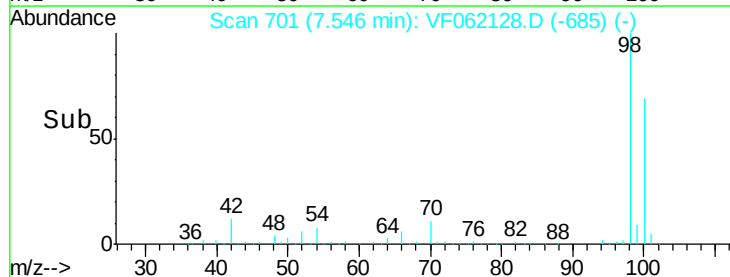
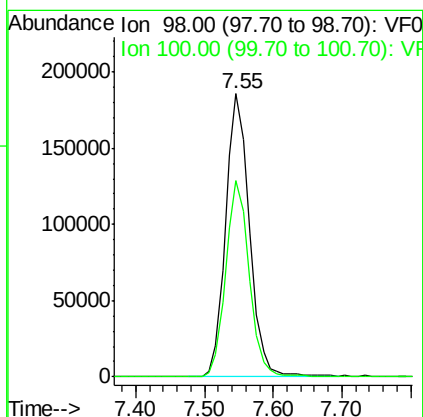
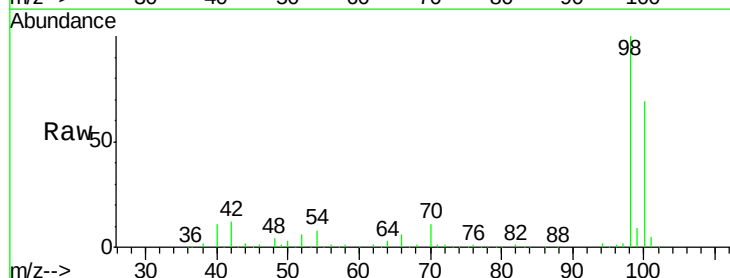
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBL01

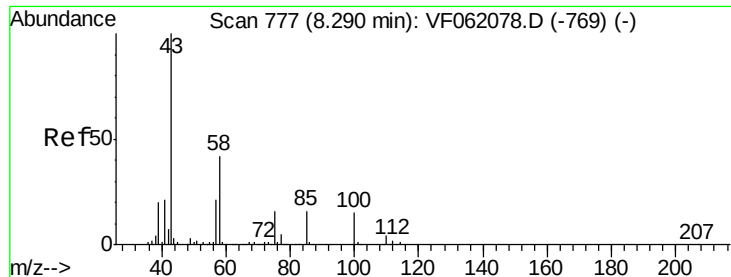
Tot Ion:113 Resp: 160723
Ion Ratio Lower Upper
113 100
111 101.0 75.4 113.0
192 18.8 12.3 18.5#



#50
Toluene-d8
Concen: 50.211 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.04 min
Lab File: VF062128.D
Acq: 25 Mar 2019 13:27

Tgt Ion: 98 Resp: 445593
Ion Ratio Lower Upper
98 100
100 69.3 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 2.736 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

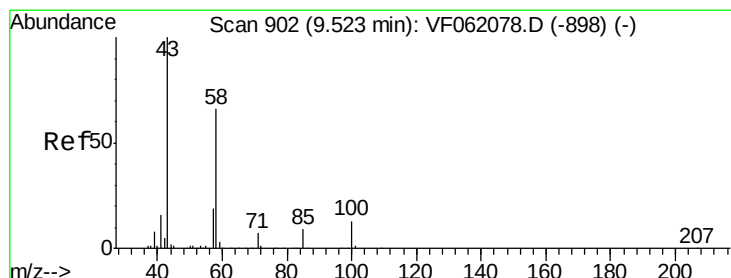
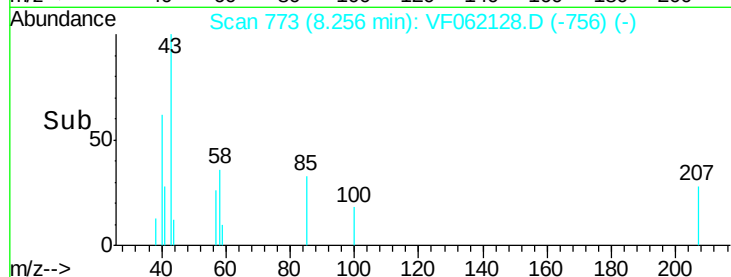
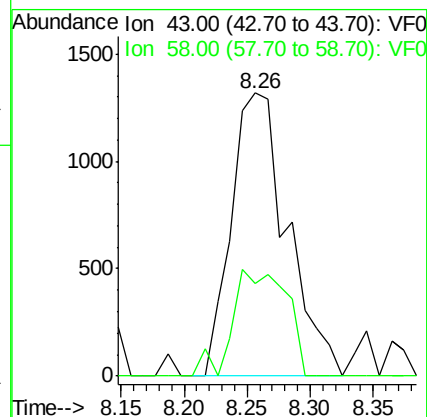
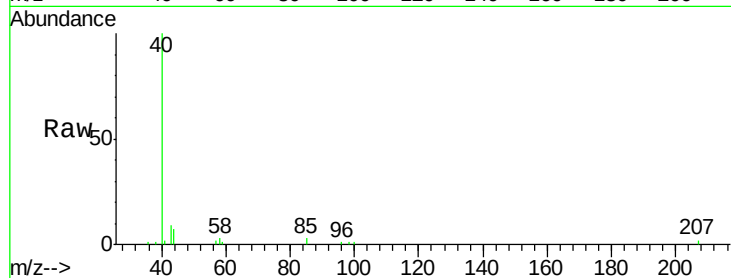
VF0325SBL01

Tot Ion: 43 Resp: 4058

Ion Ratio Lower Upper

43 100

58 32.6 33.8 50.8#



#59

2-Hexanone

Concen: 4.842 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.03 min

Lab File: VF062128.D

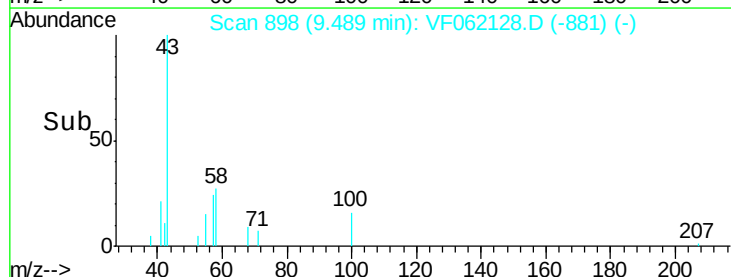
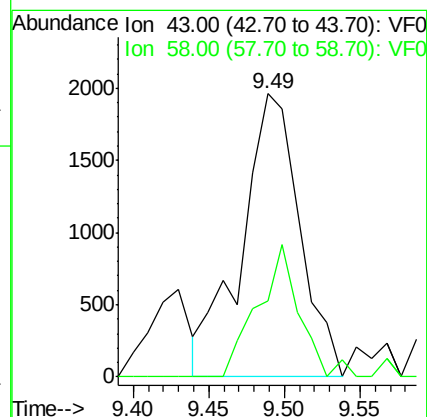
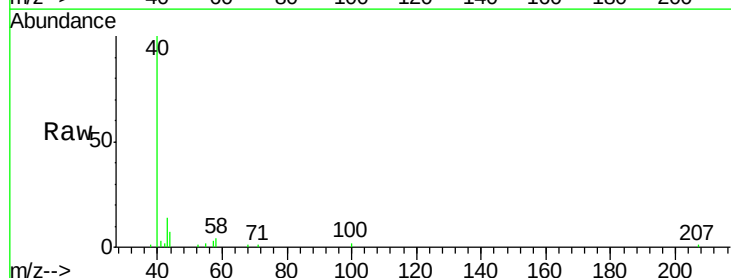
Acq: 25 Mar 2019 13:27

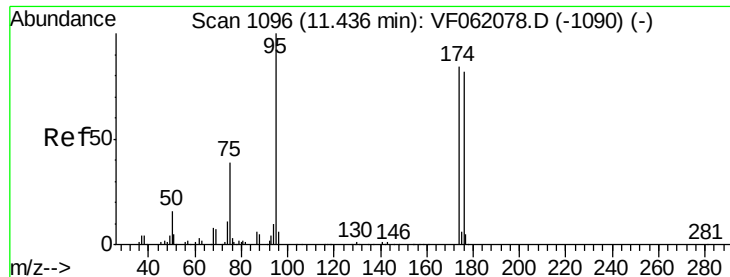
Tgt Ion: 43 Resp: 5263

Ion Ratio Lower Upper

43 100

58 26.7 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 56.171 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBL01

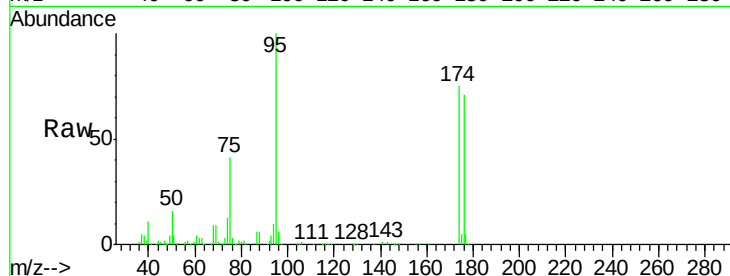
Tot Ion: 95 Resp: 192446

Ion Ratio Lower Upper

95 100

174 75.3 0.0 168.2

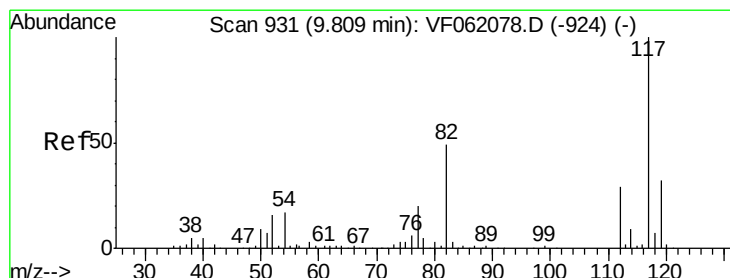
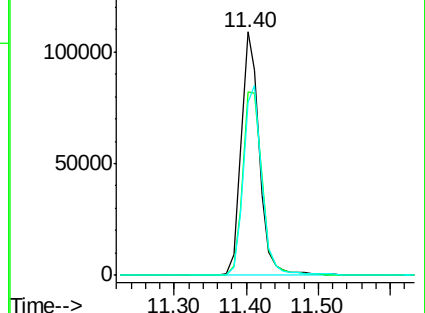
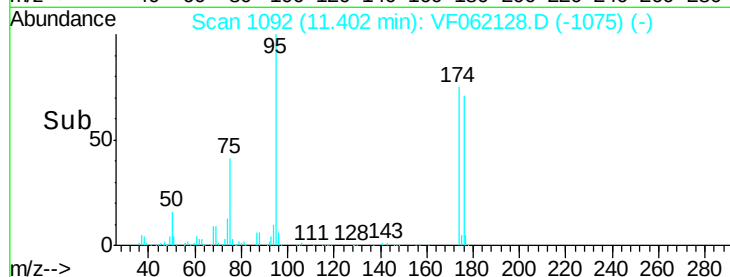
176 71.0 0.0 164.2



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: 9.76 min Scan# 926

Delta R.T. -0.04 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

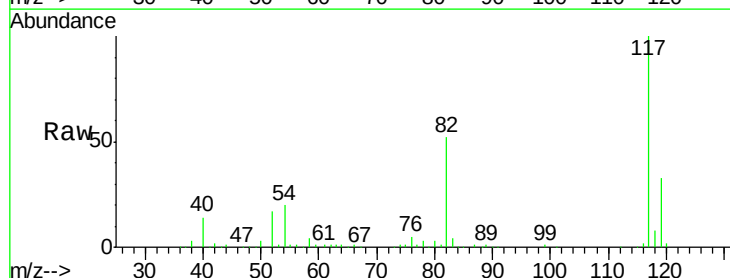
Tgt Ion: 117 Resp: 375826

Ion Ratio Lower Upper

117 100

82 52.1 39.2 58.8

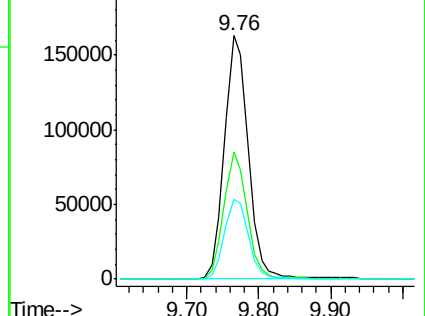
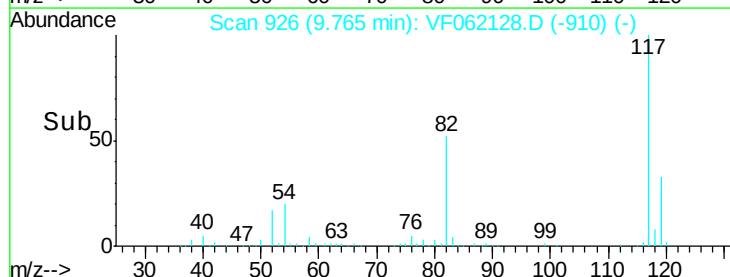
119 33.0 25.4 38.2

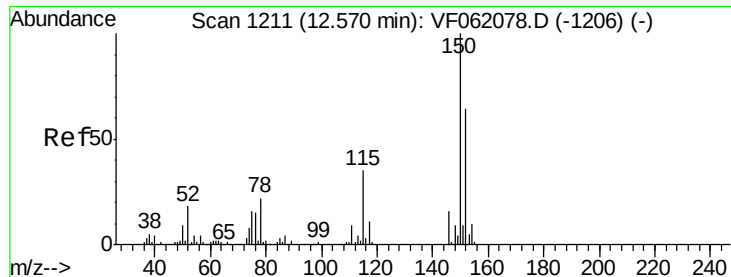


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBL01

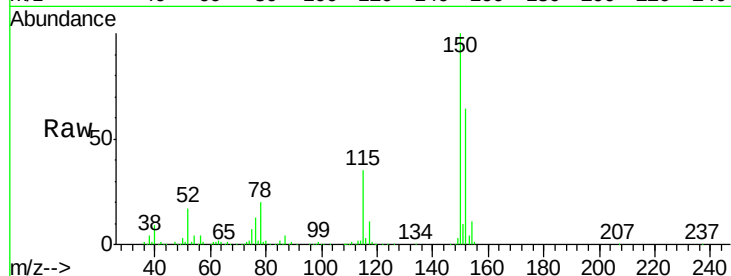
Tot Ion:152 Resp: 217251

Ion Ratio Lower Upper

152 100

115 54.4 27.7 83.1

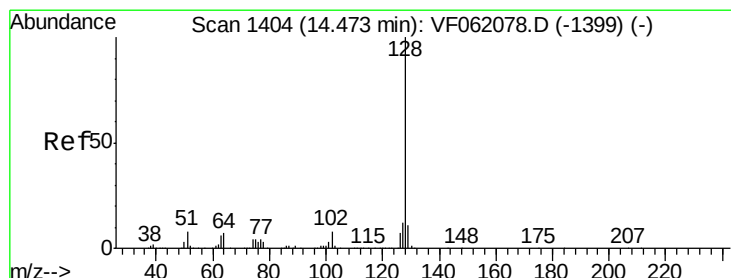
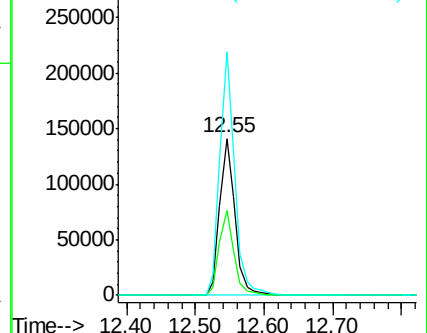
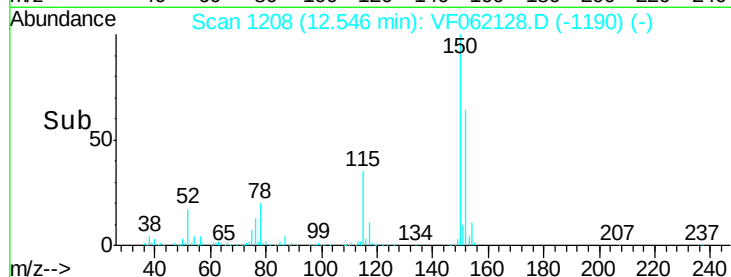
150 155.4 0.0 313.2



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



#95

Naphthalene

Concen: 1.334 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF062128.D

Acq: 25 Mar 2019 13:27

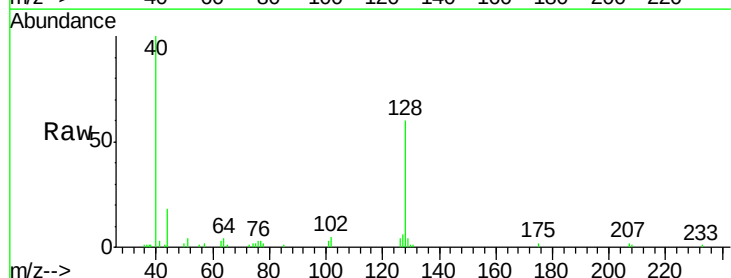
Tgt Ion:128 Resp: 10618

Ion Ratio Lower Upper

128 100

127 10.0 9.5 14.3

129 6.2 8.7 13.1#



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

