

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061588.D
 Acq On : 11 Feb 2019 16:13
 Operator : VA/AP
 Sample : K1453-11
 Misc : 1.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:27:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	206091	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	359237	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	336091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	183975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	127495	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	4.10	113	136485	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	7.53	98	339481	43.71	ug/l	-0.01
Spiked Amount			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	11.40	95	173851	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

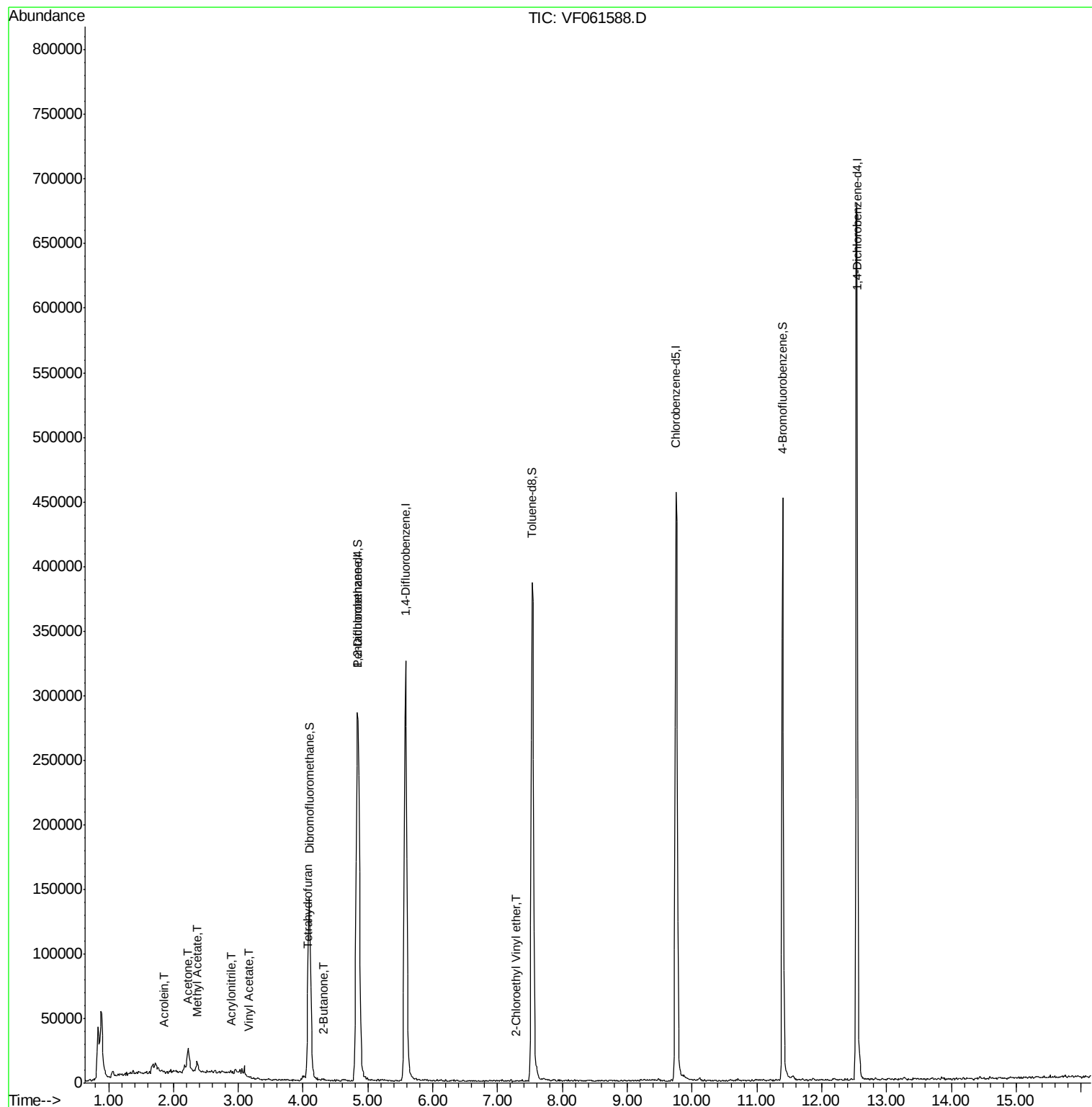
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.85	56	165	12.042	ug/l	93
14) Allyl chloride	2.10	41	175	Below Cal	#	44
15) Acrylonitrile	2.90	53	461	1.671	ug/l #	37
16) Acetone	2.23	43	25823	50.589	ug/l	94
18) Methyl Acetate	2.36	43	4981	4.920	ug/l #	61
20) Methylene Chloride	2.18	84	2239	Below Cal	#	82
23) Vinyl Acetate	3.16	43	418	3.338	ug/l #	78
25) 2-Butanone	4.32	43	3041	3.582	ug/l	95
29) Tetrahydrofuran	4.06	42	1252	3.425	ug/l #	45
49) 1,4-Dioxane	6.58	88	73	Below Cal	#	13
58) 2-Chloroethyl Vinyl ether	7.29	63	77	27.842	ug/l #	47

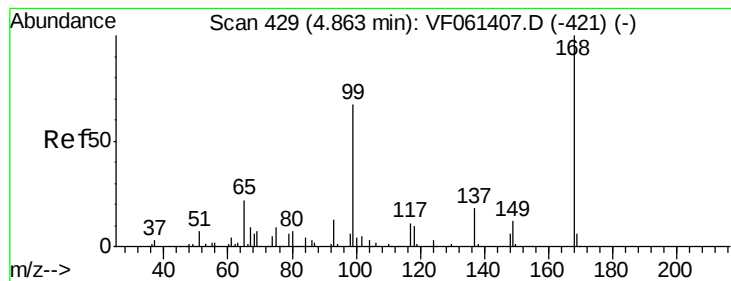
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 12 03:27:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

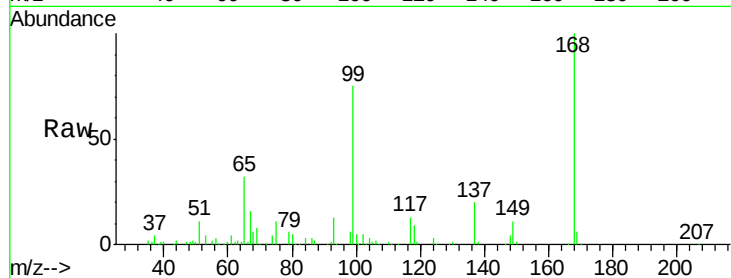
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 206091

Ion Ratio Lower Upper

168 100

99 75.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

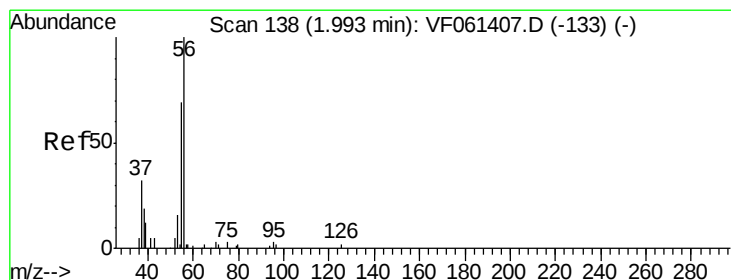
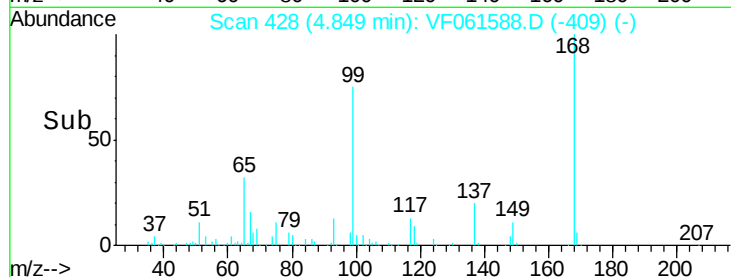
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 12.042 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.14 min

Lab File: VF061588.D

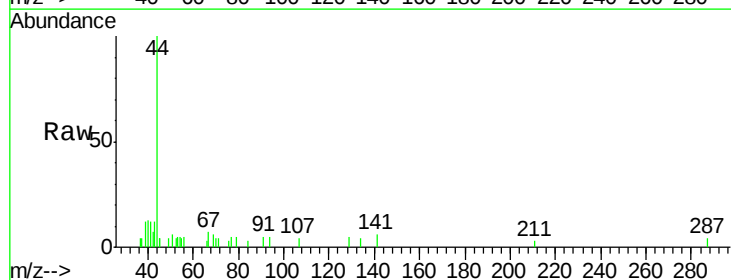
Acq: 11 Feb 2019 16:13

Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 77.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.85

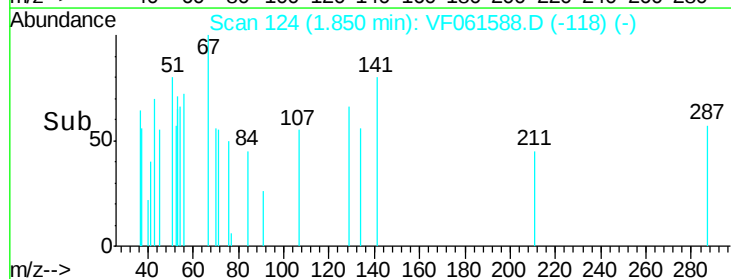
300

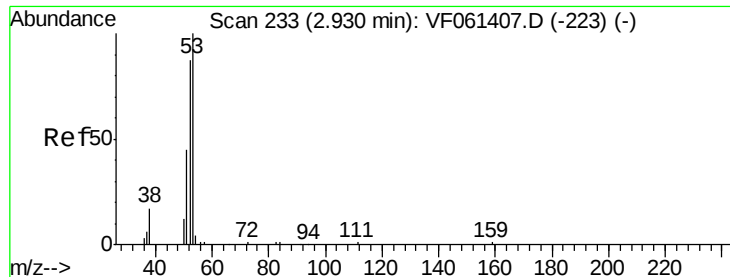
200

100

0

Time--> 1.84 1.86 1.88





#15

Acrylonitrile

Concen: 1.671 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.03 min

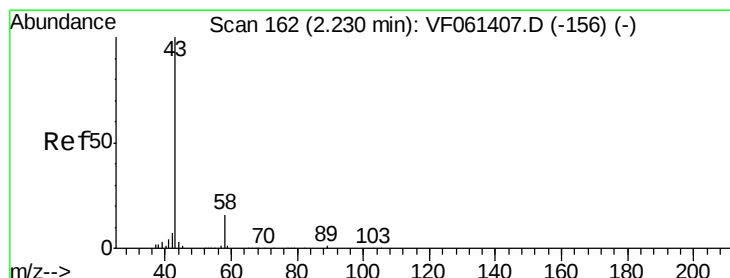
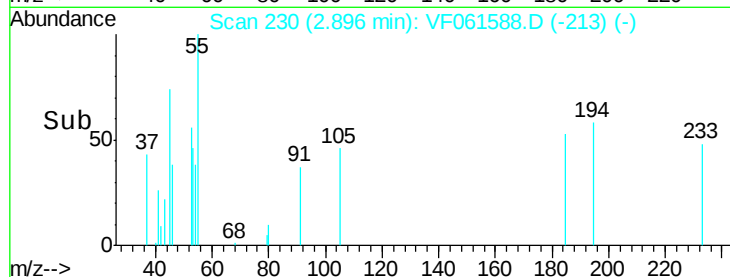
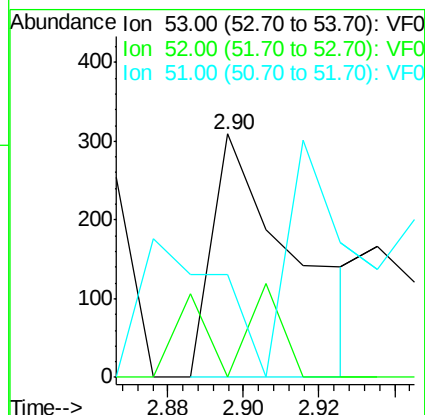
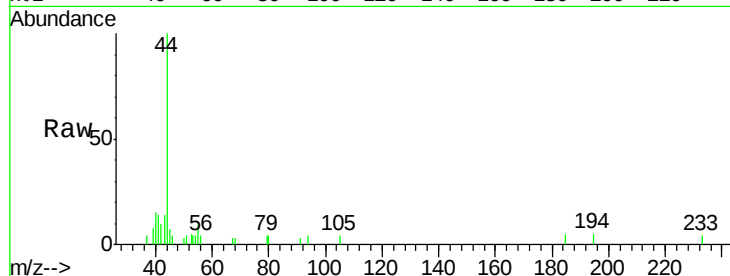
Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 461

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	42.4	36.8	55.2



#16

Acetone

Concen: 50.589 ug/l

RT: 2.23 min Scan# 162

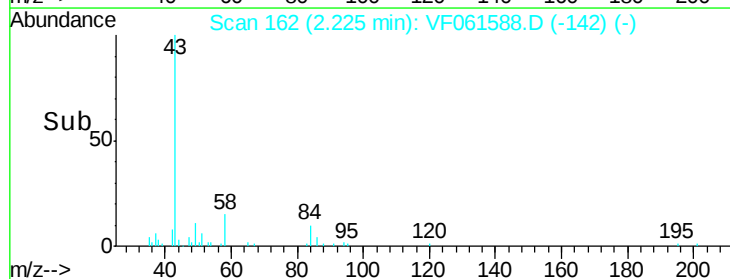
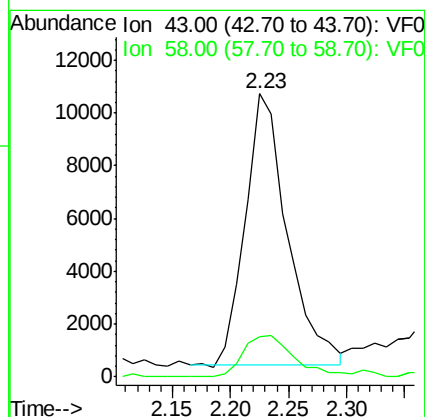
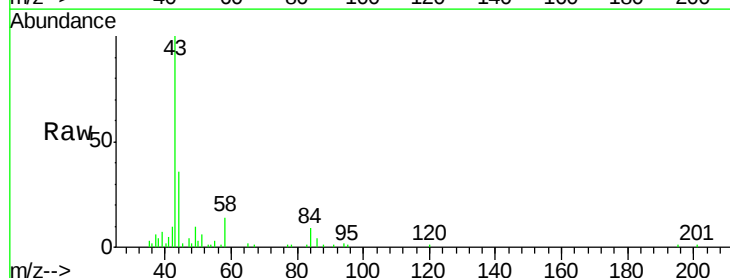
Delta R.T. -0.00 min

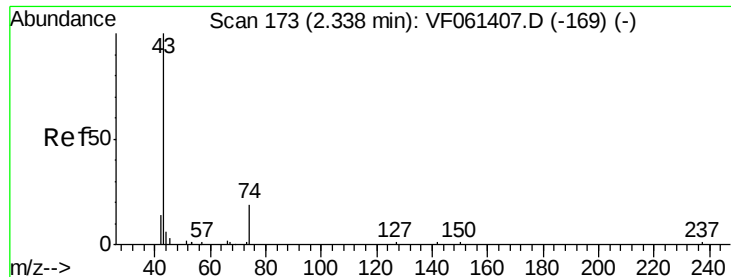
Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Tgt Ion: 43 Resp: 25823

Ion	Ratio	Lower	Upper
43	100		
58	14.1	13.3	19.9

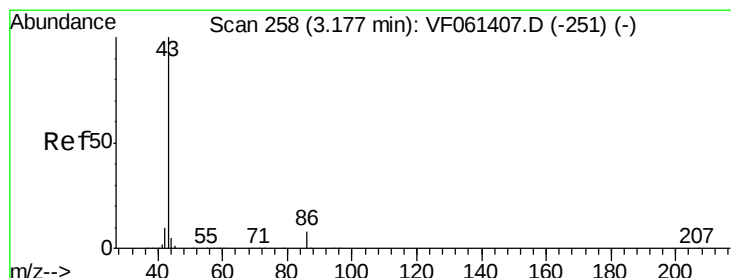
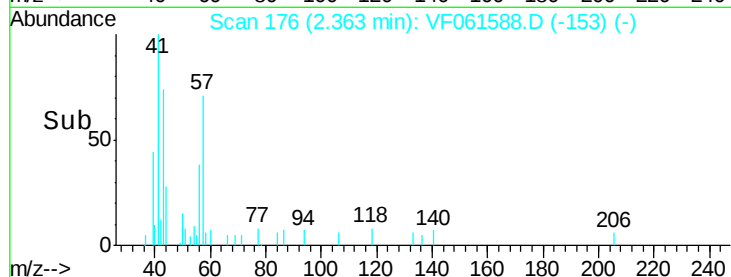
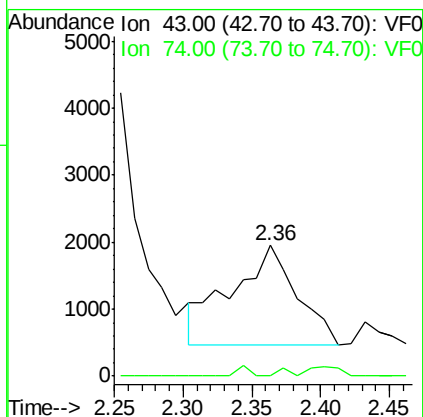
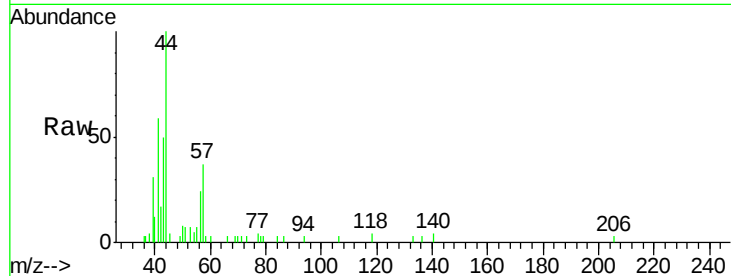




#18
Methvl Acetate
Concen: 4.920 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061588.D
Acq: 11 Feb 2019 16:13

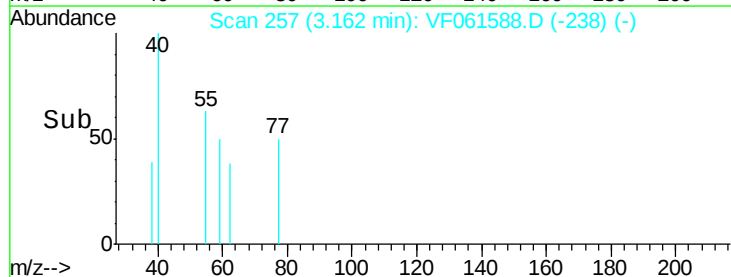
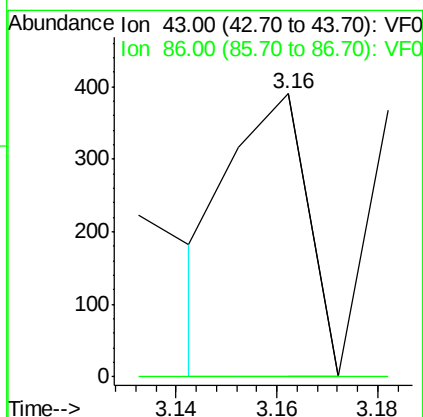
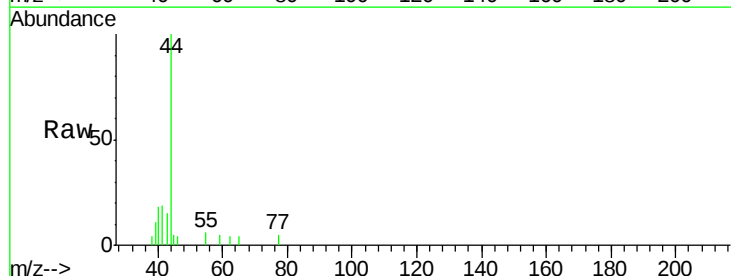
Instrument :
MSVOA_F
ClientSampleId :

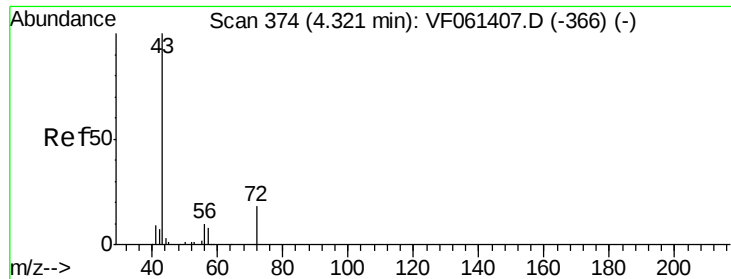
Tot Ion: 43 Resp: 4981
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.338 ug/l
RT: 3.16 min Scan# 257
Delta R.T. -0.01 min
Lab File: VF061588.D
Acq: 11 Feb 2019 16:13

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#

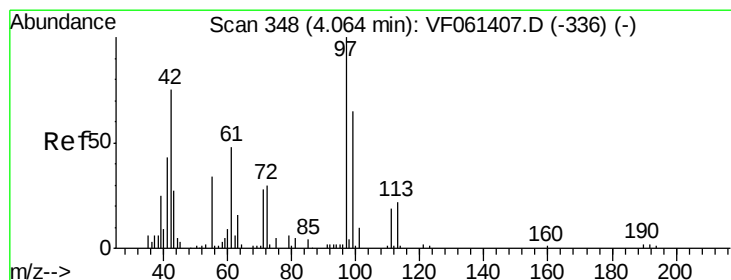
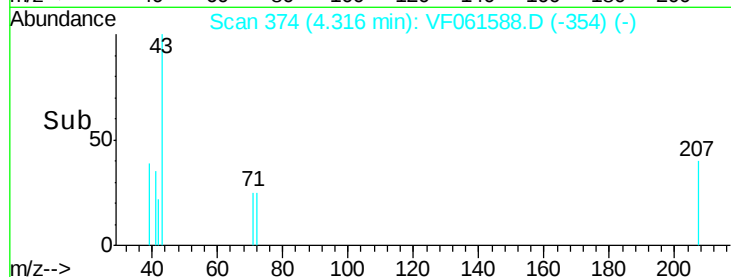
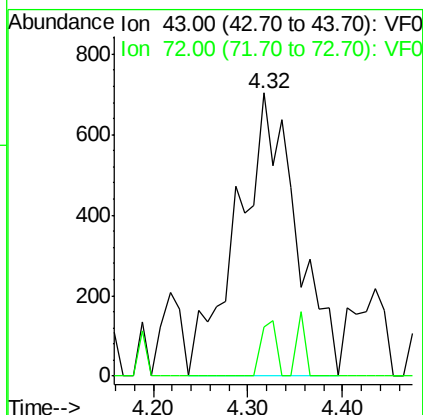
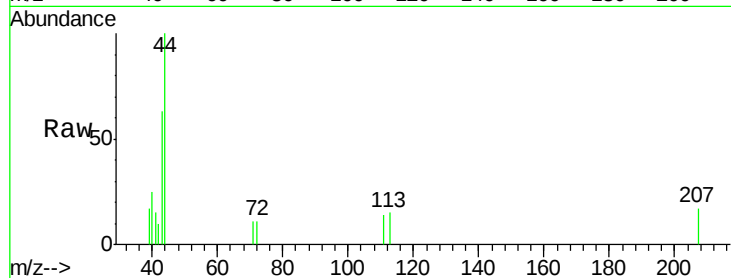




#25
2-Butanone
Concen: 3.582 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF061588.D
Acq: 11 Feb 2019 16:13

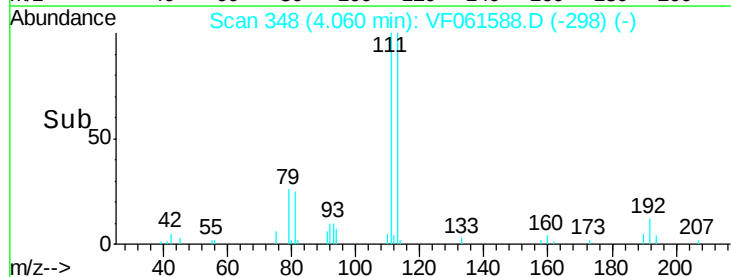
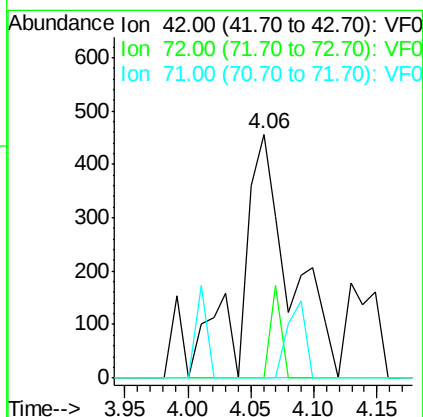
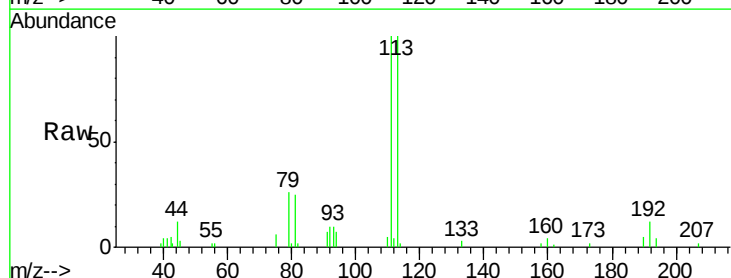
Instrument :
MSVOA_F
ClientSampleId :

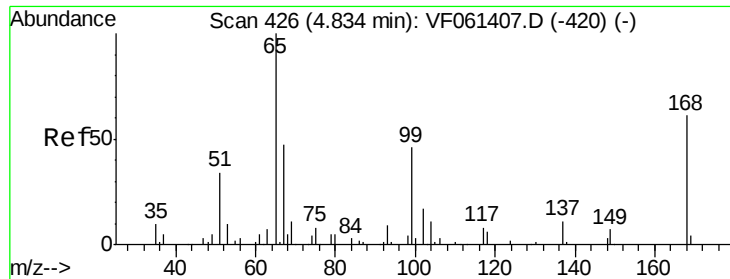
Tot Ion: 43 Resp: 3041
Ion Ratio Lower Upper
43 100
72 17.2 15.8 23.6



#29
Tetrahydrofuran
Concen: 3.425 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF061588.D
Acq: 11 Feb 2019 16:13

Tgt Ion: 42 Resp: 1252
Ion Ratio Lower Upper
42 100
72 8.2 28.9 43.3#
71 0.0 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 50.107 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

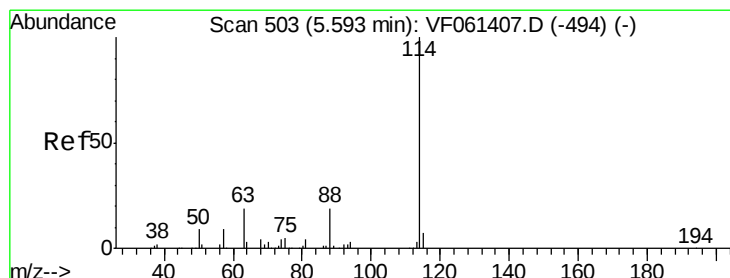
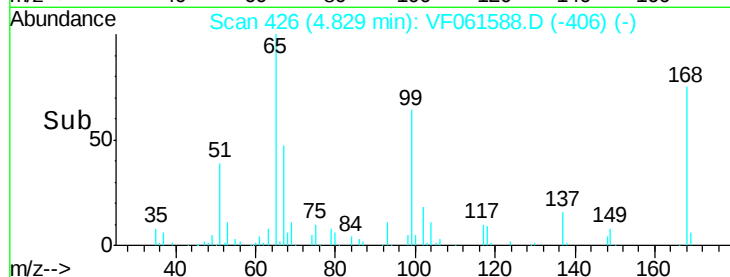
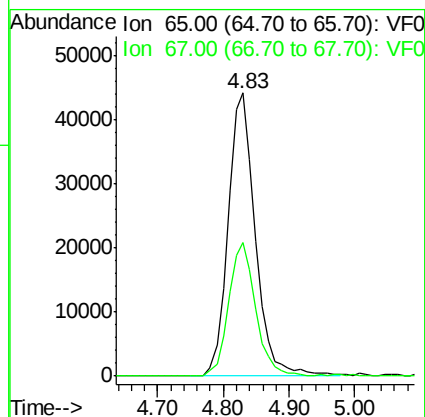
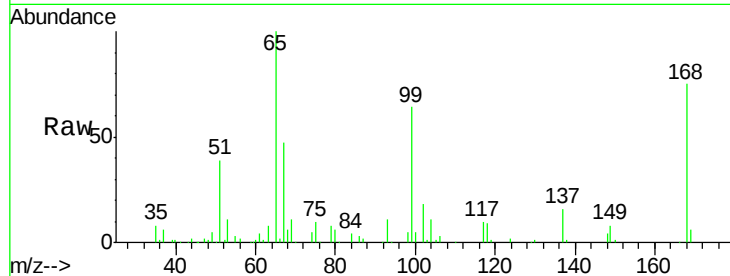
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 127495

Ion Ratio Lower Upper

65 100

67 47.3 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

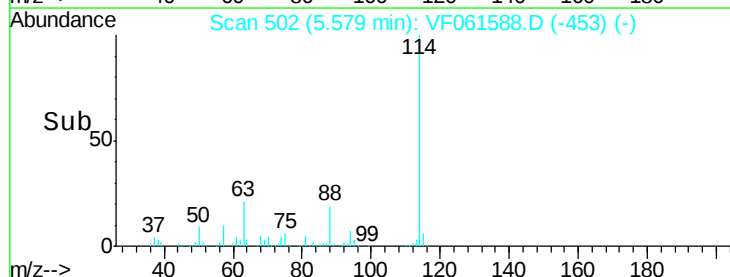
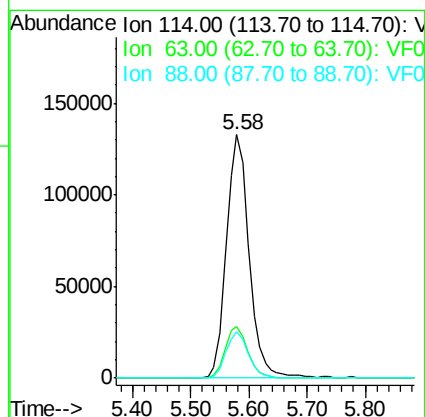
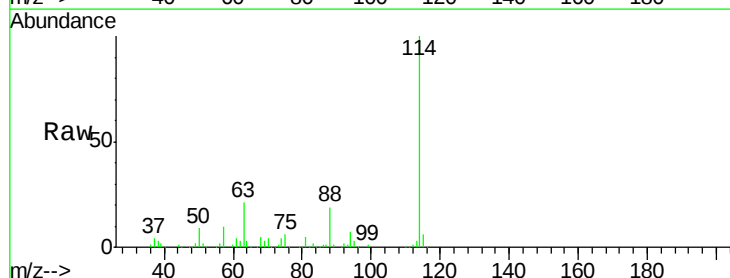
Tgt Ion: 114 Resp: 359237

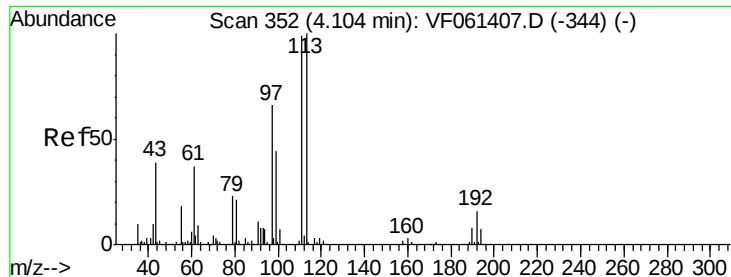
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 19.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :
MSVOA_F
ClientSampled :

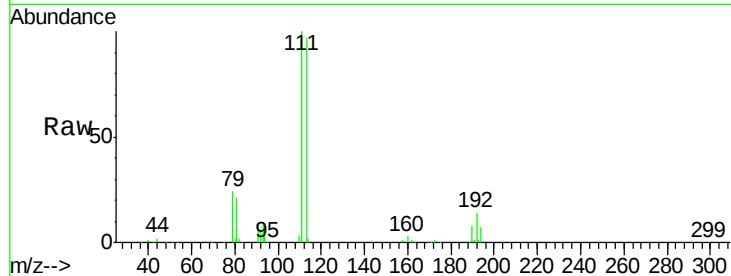
Tot Ion:113 Resp: 136485

Ion Ratio Lower Upper

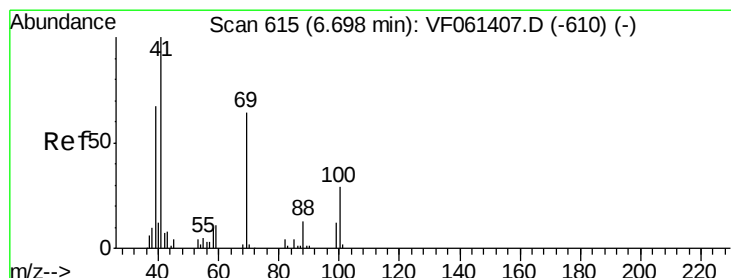
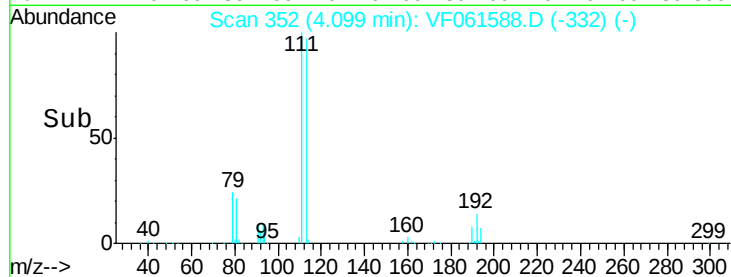
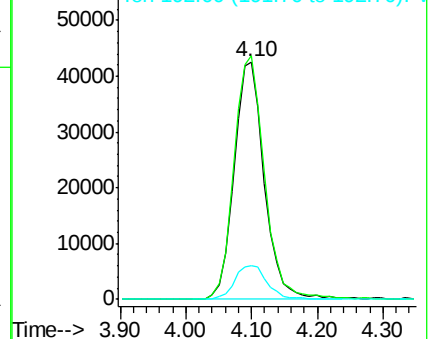
113 100

111 102.6 79.4 119.0

192 14.4 12.4 18.6



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.58 min Scan# 603

Delta R.T. -0.12 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

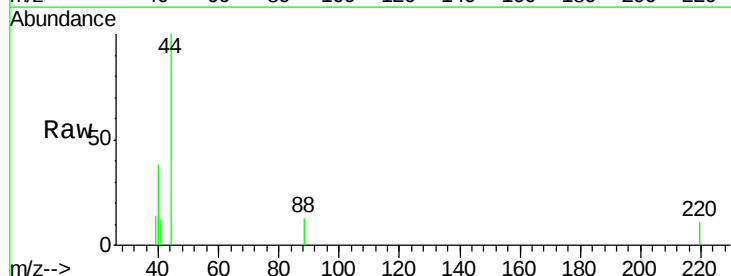
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

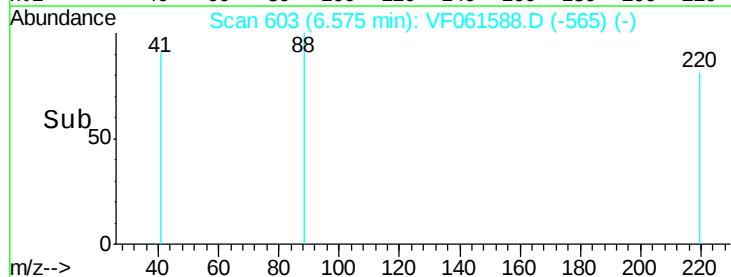
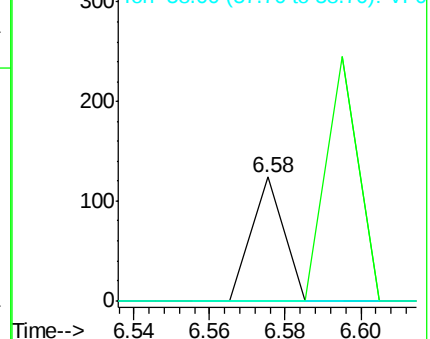
88 100

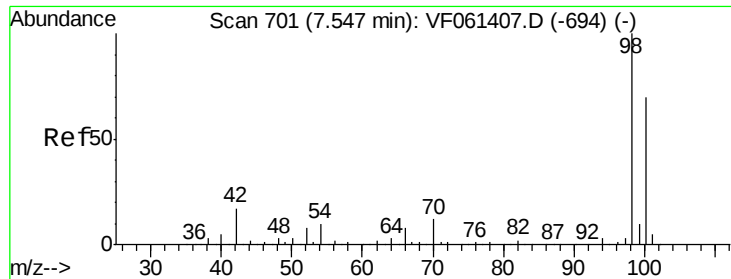
43 0.0 55.5 83.3#

58 0.0 59.9 89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 43.711 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

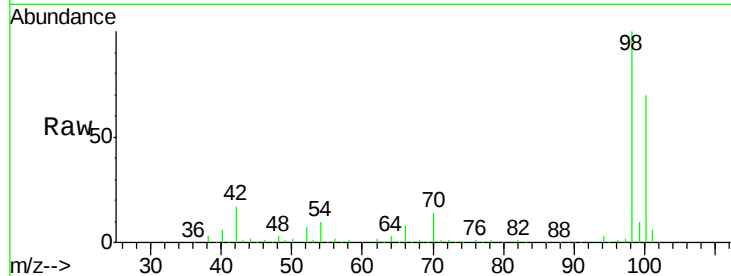
ClientSampled :

Tot Ion: 98 Resp: 339481

Ion Ratio Lower Upper

98 100

100 69.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.53

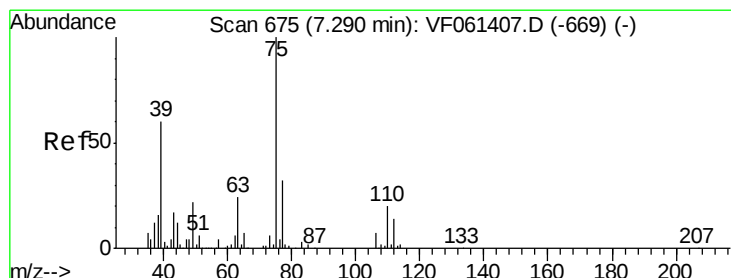
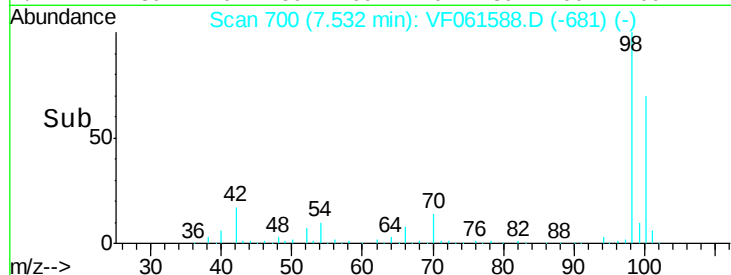
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 27.842 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061588.D

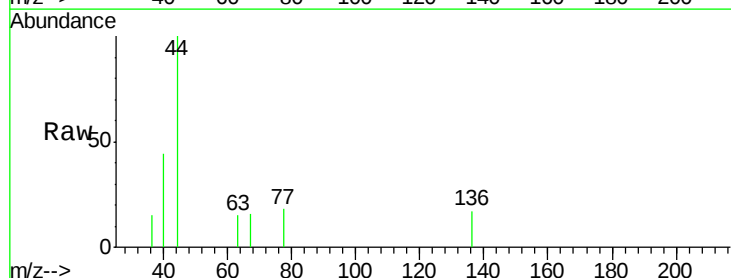
Acq: 11 Feb 2019 16:13

Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

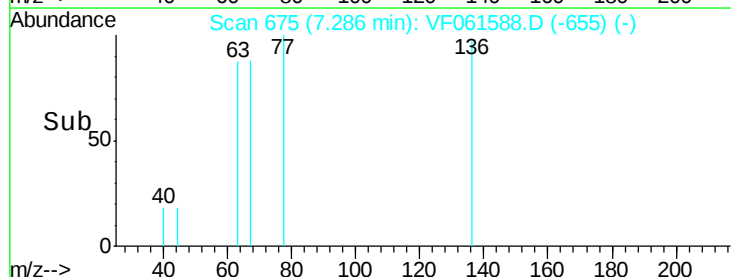
150

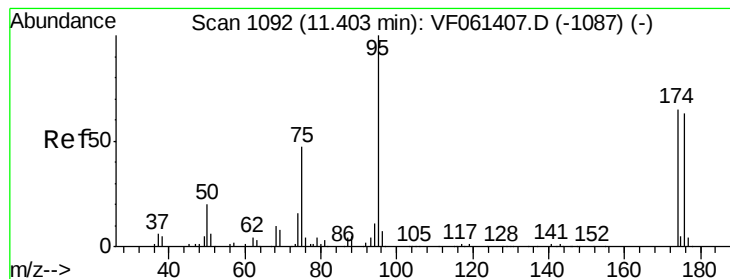
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.909 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampled :

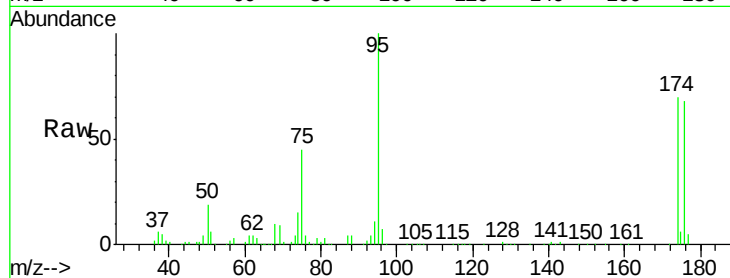
Tot Ion: 95 Resp: 173851

Ion Ratio Lower Upper

95 100

174 70.2 0.0 130.4

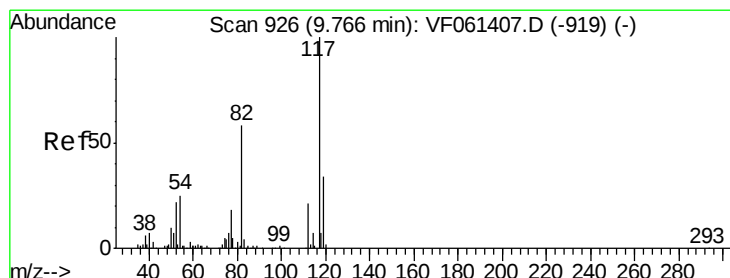
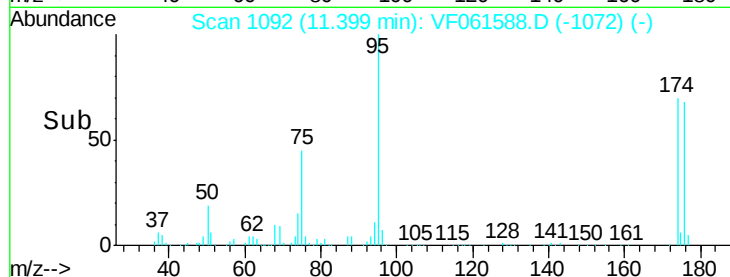
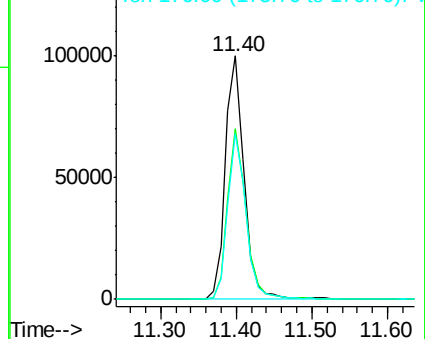
176 68.0 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

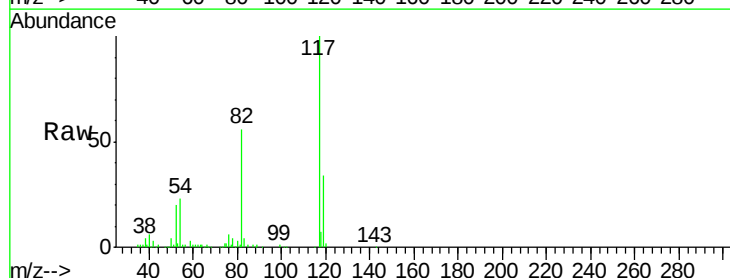
Tgt Ion: 117 Resp: 336091

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

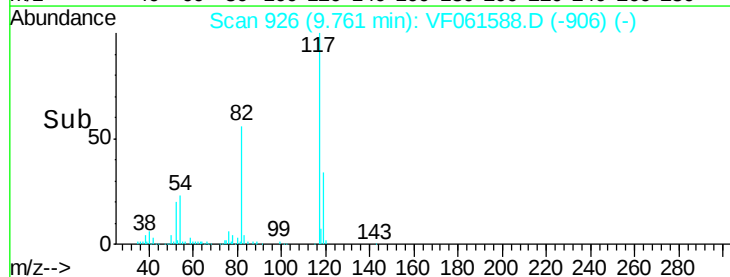
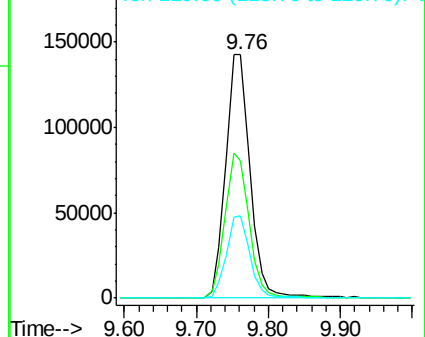
119 33.8 27.2 40.8

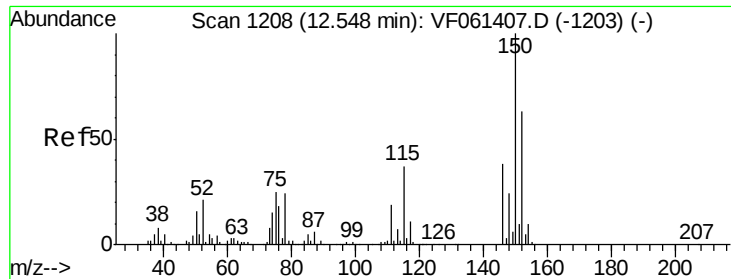


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampleId :

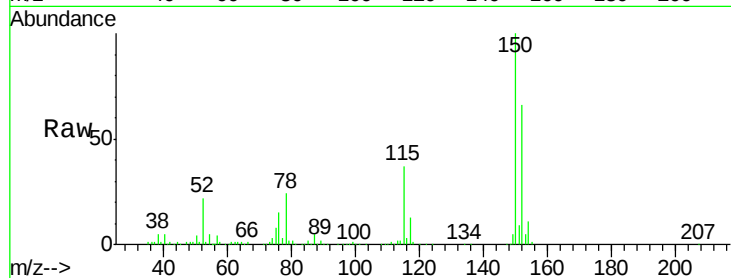
Tot Ion:152 Resp: 183975

Ion Ratio Lower Upper

152 100

115 56.6 30.0 90.0

150 152.1 0.0 321.4



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

