

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061591.D
 Acq On : 11 Feb 2019 17:39
 Operator : VA/AP
 Sample : K1459-03
 Misc : 5.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:27:31 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	154115	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	281411	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	252872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	136336	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	103647	54.47	ug/l	0.00
Spiked Amount						
			Recovery	=	108.94%	
35) Dibromofluoromethane	4.09	113	116444	52.44	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.88%	
50) Toluene-d8	7.53	98	269600	44.31	ug/l	-0.01
Spiked Amount						
			Recovery	=	88.62%	
62) 4-Bromofluorobenzene	11.40	95	135613	47.71	ug/l	0.00
Spiked Amount						
			Recovery	=	95.42%	

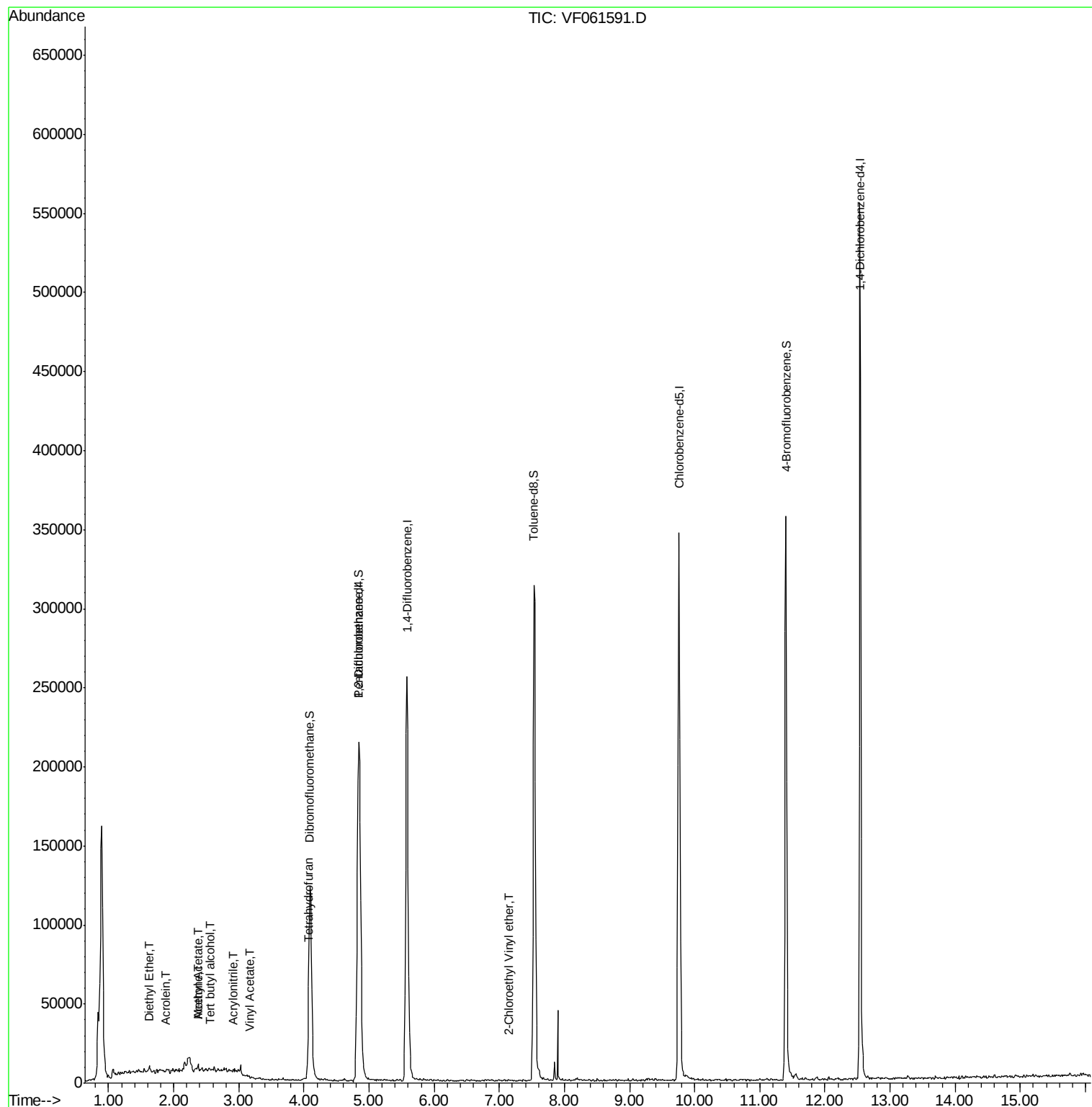
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1066	2.167	ug/l	76
11) Tert butyl alcohol	2.55	59	173	2.148	ug/l #	64
13) Acrolein	1.87	56	400	15.864	ug/l	85
14) Allyl chloride	2.10	41	305	Below Cal	#	58
15) Acrylonitrile	2.92	53	440	2.133	ug/l #	14
16) Acetone	2.38	43	685	1.795	ug/l	99
18) Methyl Acetate	2.38	43	1338	1.768	ug/l #	61
20) Methylene Chloride	2.18	84	1841	Below Cal		96
23) Vinyl Acetate	3.17	43	540	3.442	ug/l #	78
29) Tetrahydrofuran	4.06	42	386	1.412	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.14	63	67	27.878	ug/l #	47

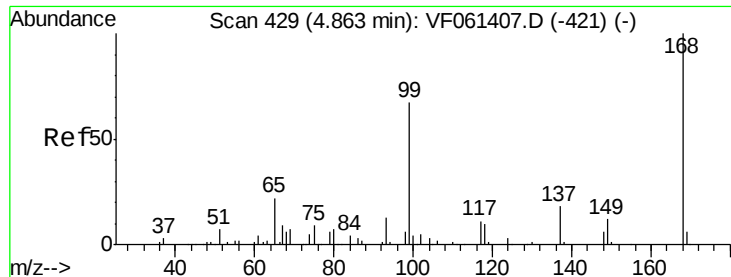
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
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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: VF061591.D

Acq: 11 Feb 2019 17:39

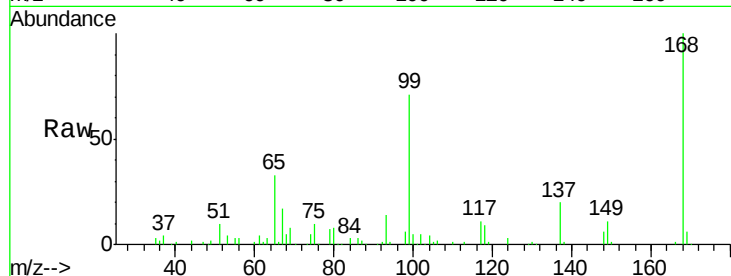
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 154115

Ion Ratio Lower Upper

168 100

99 71.1 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

50000

40000

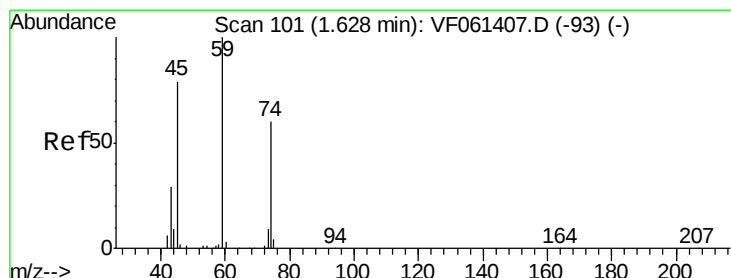
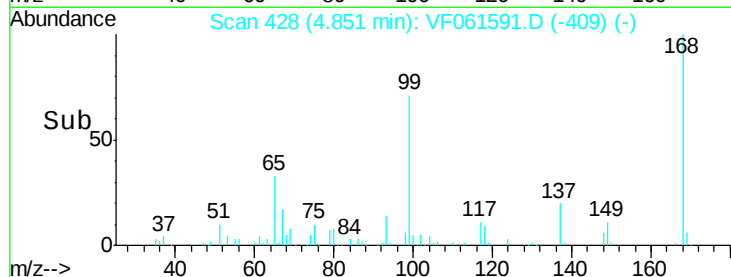
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 2.167 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061591.D

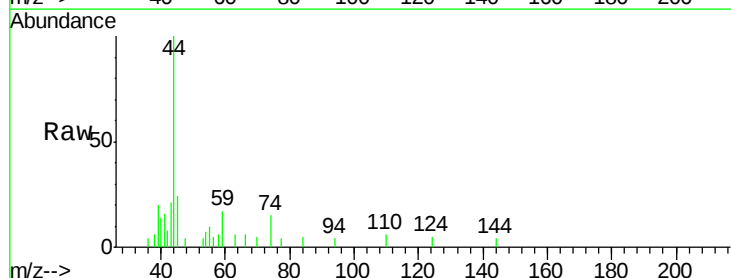
Acq: 11 Feb 2019 17:39

Tgt Ion: 74 Resp: 1066

Ion Ratio Lower Upper

74 100

45 159.4 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1000

800

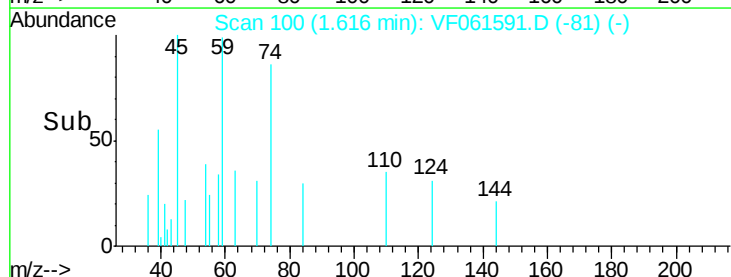
600

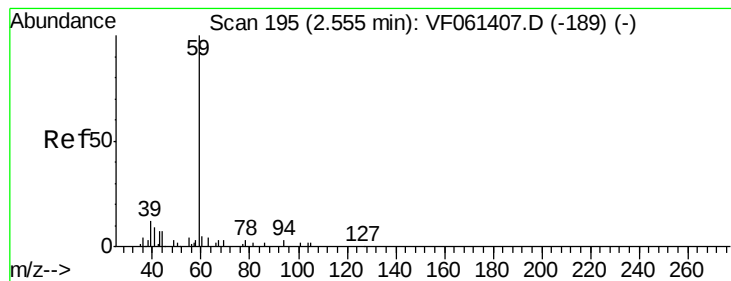
400

200

0

Time-->



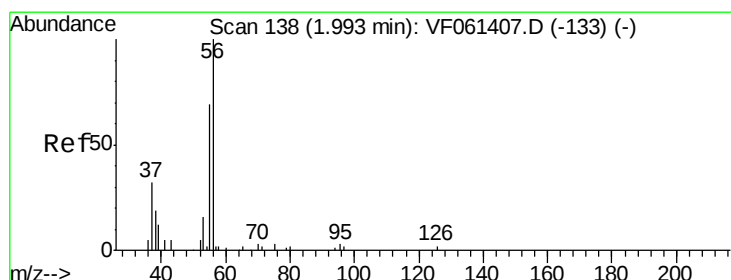
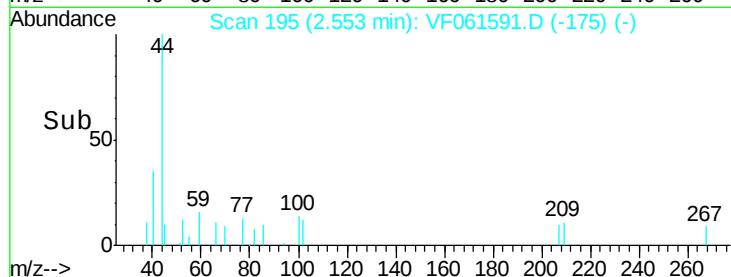
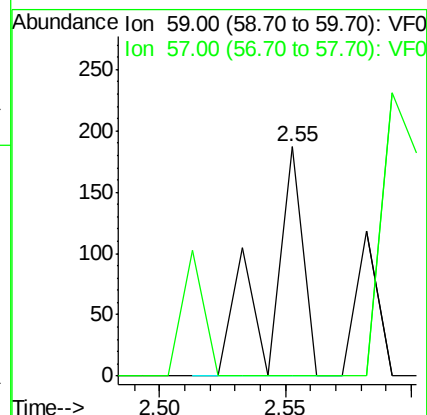
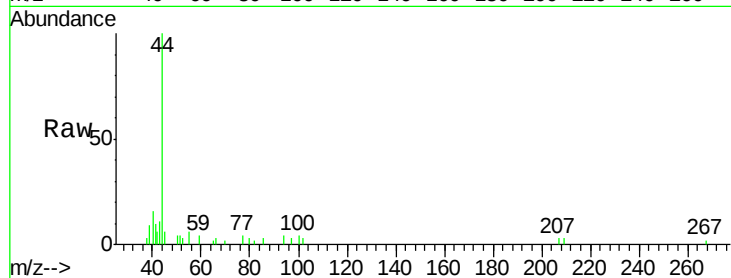


#11

Tert butyl alcohol
 Concen: 2.148 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VF061591.D
 Acq: 11 Feb 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :

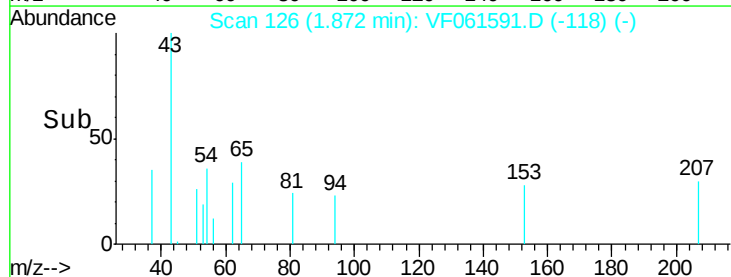
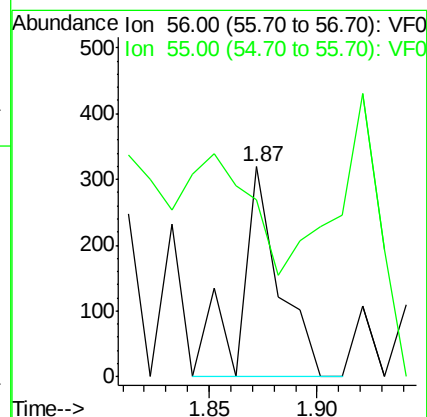
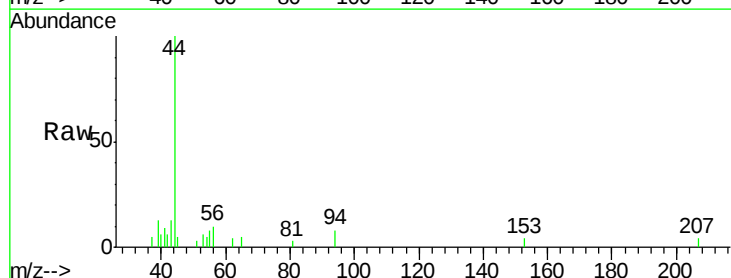
Tot Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.9 17.9#

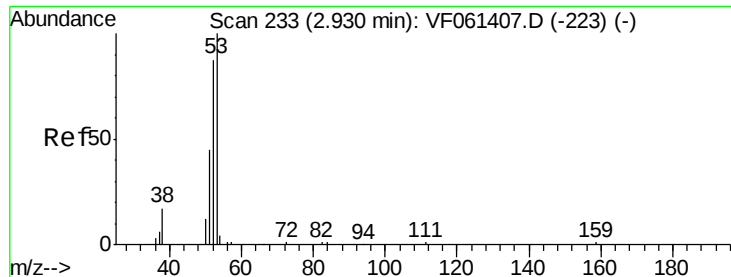


#13

Acrolein
 Concen: 15.864 ug/l
 RT: 1.87 min Scan# 126
 Delta R.T. -0.12 min
 Lab File: VF061591.D
 Acq: 11 Feb 2019 17:39

Tgt Ion: 56 Resp: 400
 Ion Ratio Lower Upper
 56 100
 55 84.6 57.5 86.3





#15

Acrylonitrile

Concen: 2.133 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

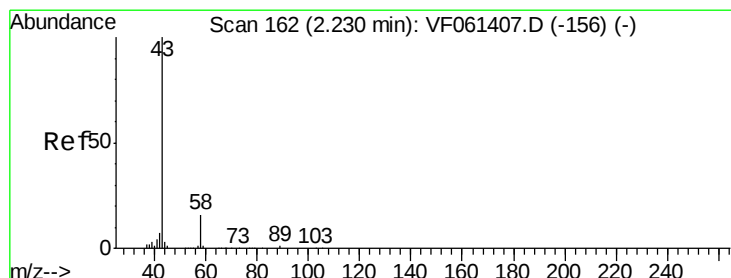
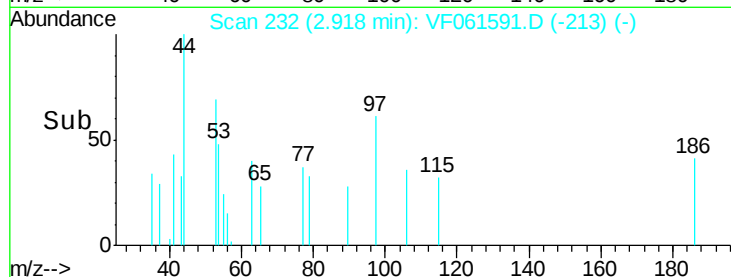
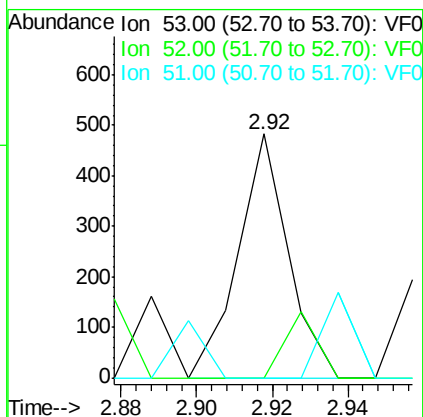
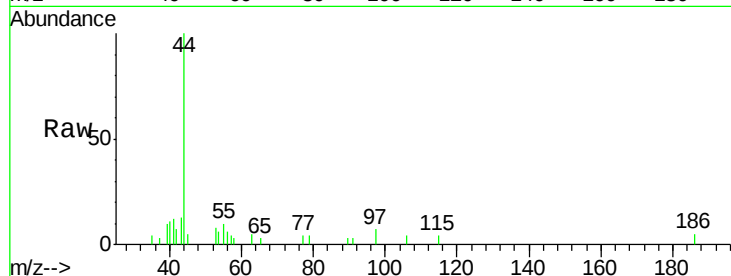
Tot Ion: 53 Resp: 440

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 0.0 36.8 55.2#



#16

Acetone

Concen: 1.795 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.15 min

Lab File: VF061591.D

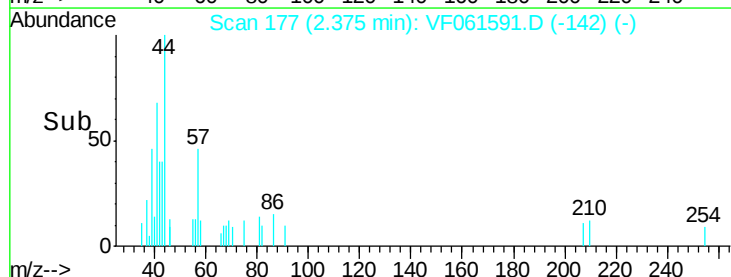
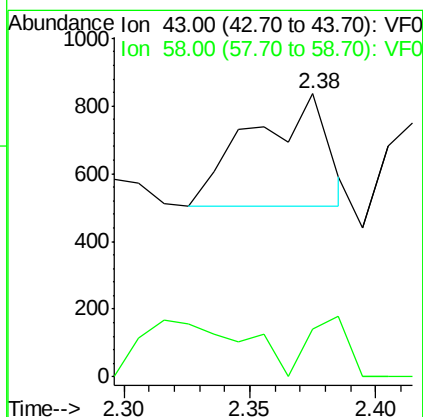
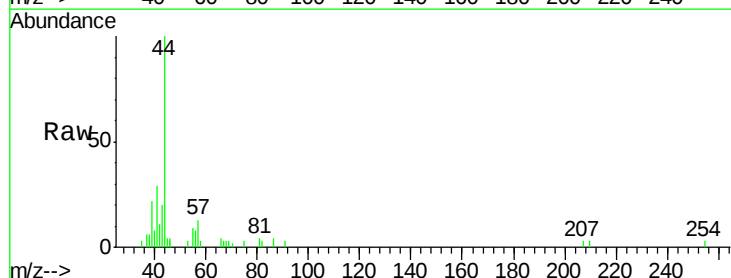
Acq: 11 Feb 2019 17:39

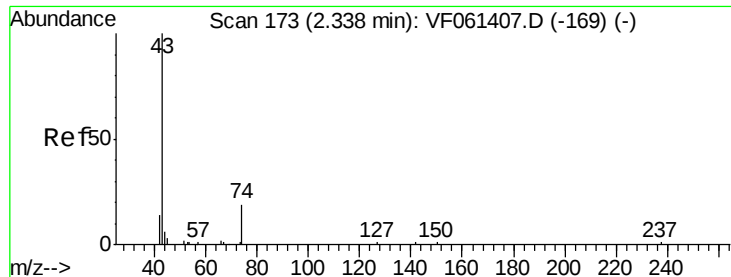
Tgt Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

58 17.0 13.3 19.9

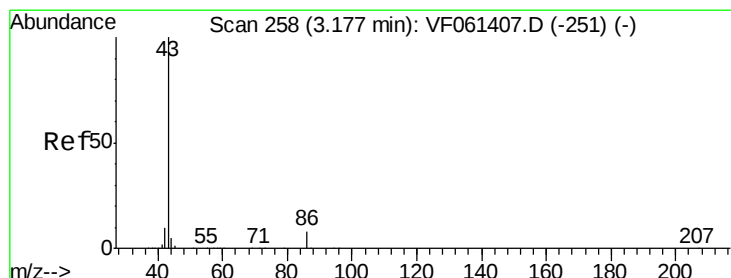
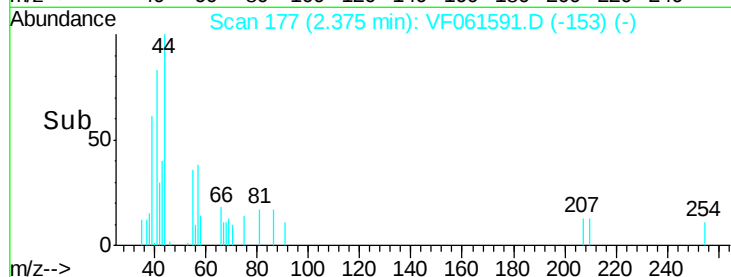
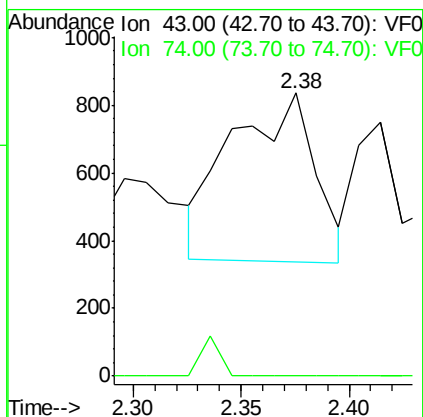
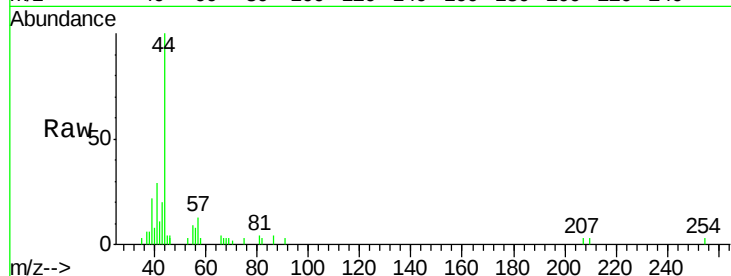




#18
Methyl Acetate
Concen: 1.768 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.04 min
Lab File: VF061591.D
Acq: 11 Feb 2019 17:39

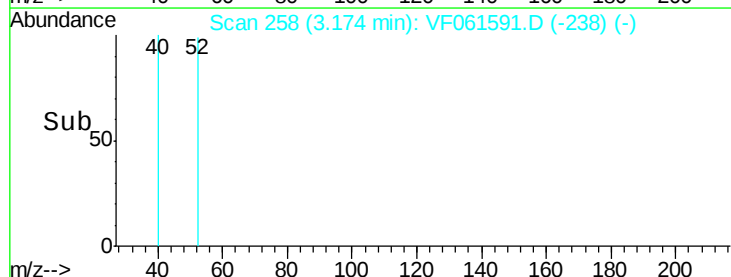
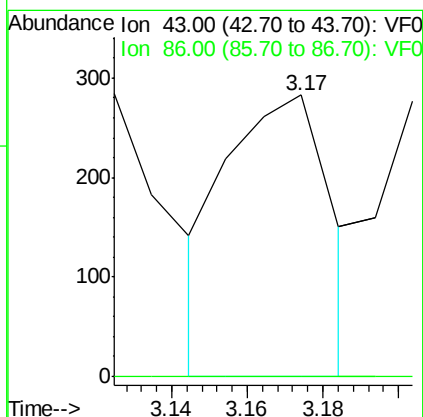
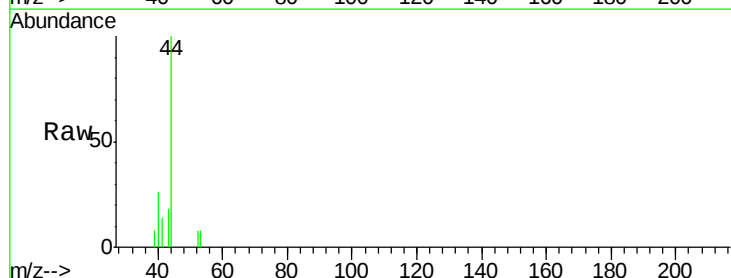
Instrument :
MSVOA_F
ClientSampleId :

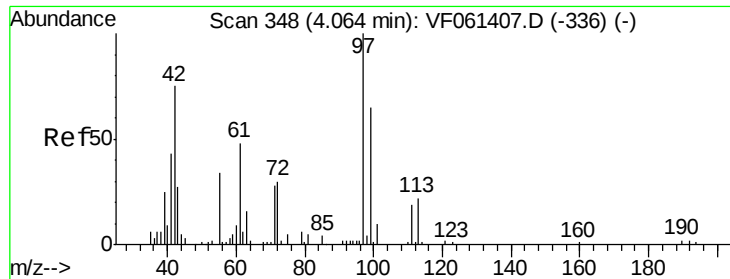
Tot Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.442 ug/l
RT: 3.17 min Scan# 258
Delta R.T. -0.00 min
Lab File: VF061591.D
Acq: 11 Feb 2019 17:39

Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#29

Tetrahydrofuran

Concen: 1.412 ug/l

RT: 4.06 min Scan# 348

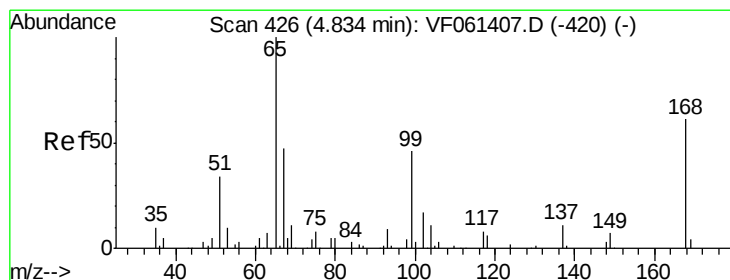
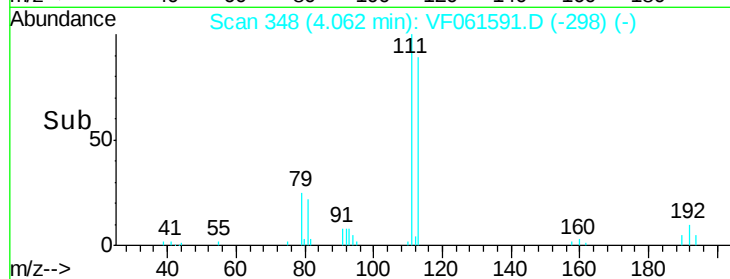
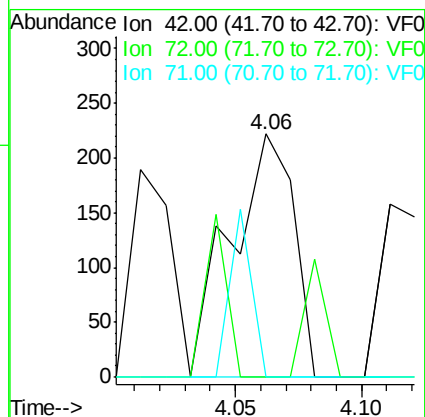
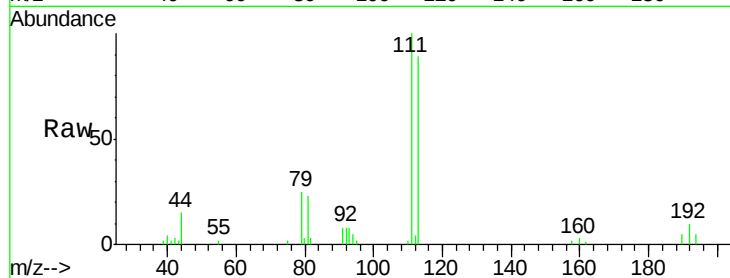
Delta R.T. -0.00 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	386
Ion	Ratio	Lower	Upper
42	100		
72	22.8	28.9	43.3#
71	23.6	29.6	44.4#



#33

1,2-Dichloroethane-d4

Concen: 54.472 ug/l

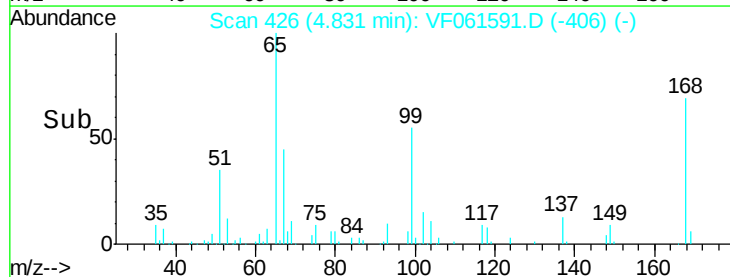
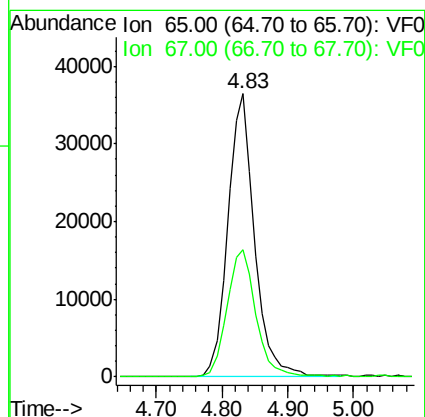
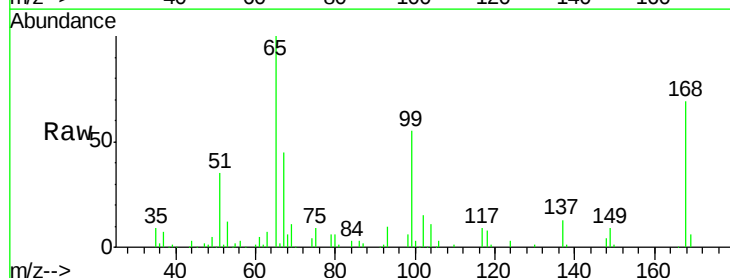
RT: 4.83 min Scan# 426

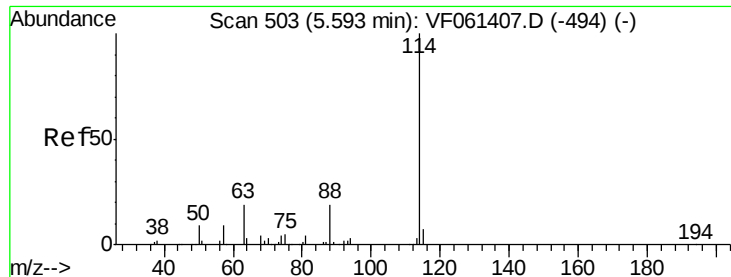
Delta R.T. -0.00 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

Tgt Ion:	65	Resp:	103647
Ion	Ratio	Lower	Upper
65	100		
67	44.8	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: VF061591.D

Acq: 11 Feb 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

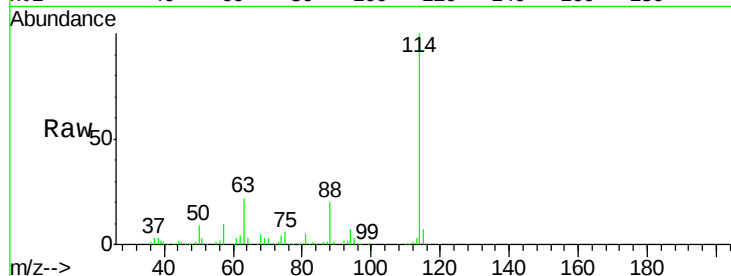
Tot Ion:114 Resp: 281411

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.0

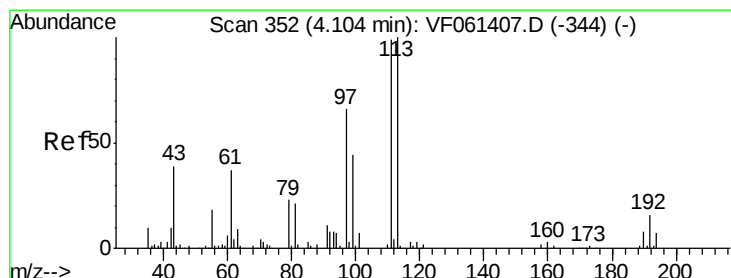
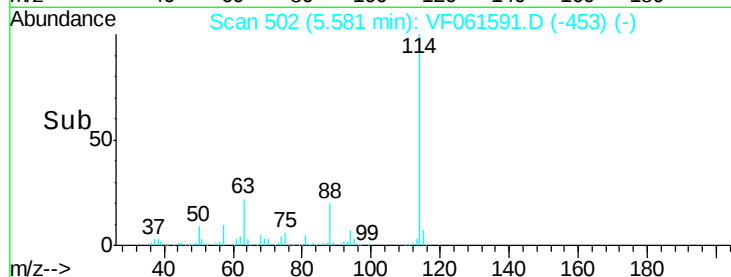
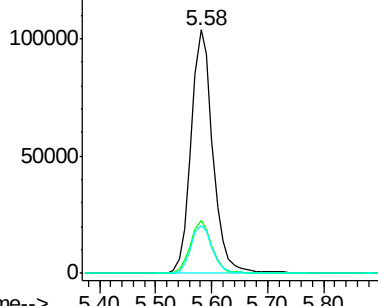
88 19.7 0.0 37.4



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: 52.439 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

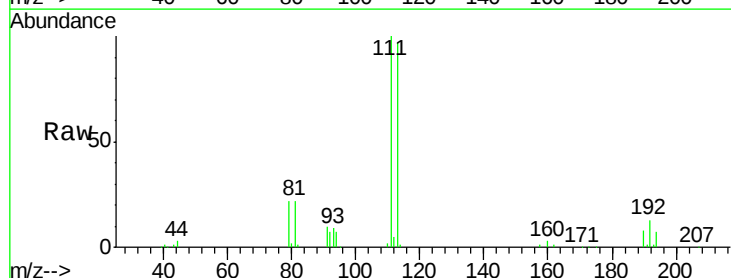
Tgt Ion:113 Resp: 116444

Ion Ratio Lower Upper

113 100

111 103.5 79.4 119.0

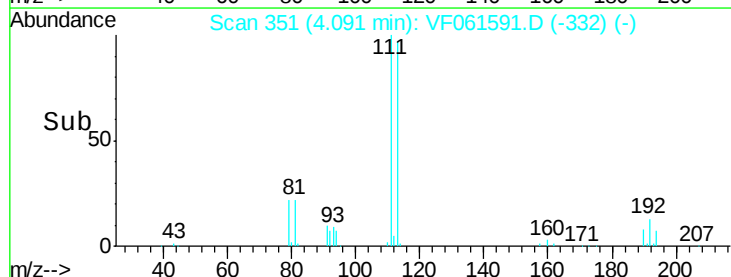
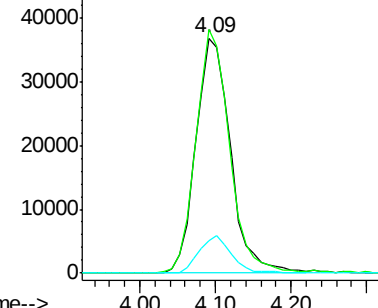
192 13.6 12.4 18.6

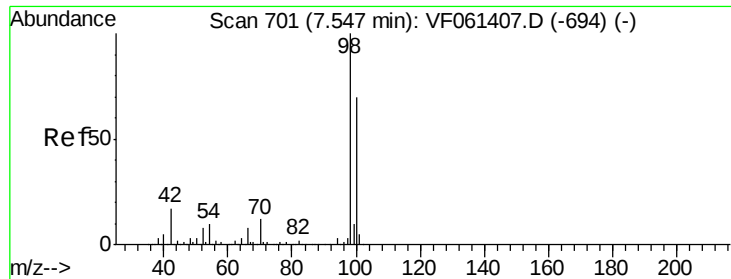


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 44.313 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

Instrument :

MSVOA_F

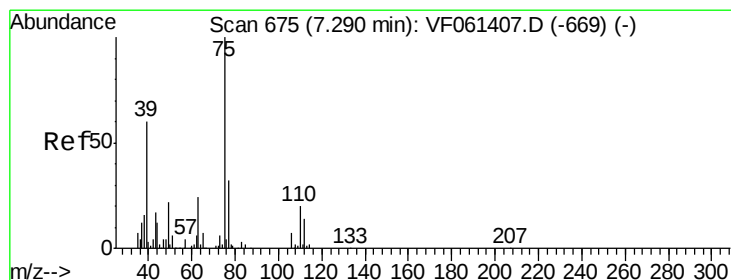
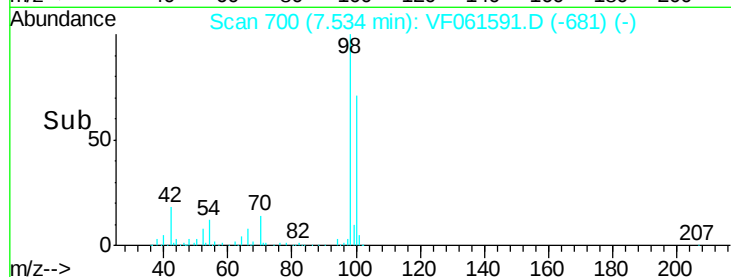
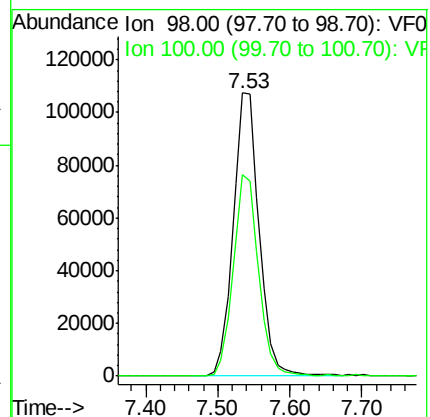
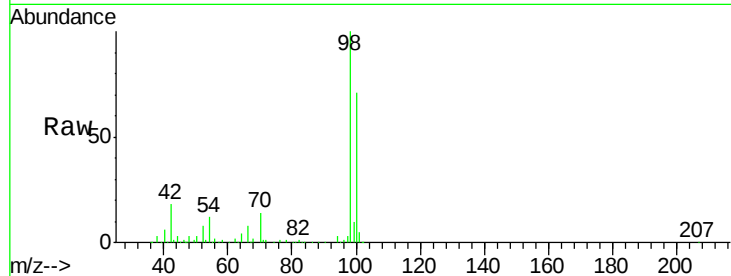
ClientSampleId :

Tot Ion: 98 Resp: 269600

Ion Ratio Lower Upper

98 100

100 71.0 55.6 83.4



#58

2-Chloroethyl Vinyl ether

Concen: 27.878 ug/l

RT: 7.14 min Scan# 660

Delta R.T. -0.15 min

Lab File: VF061591.D

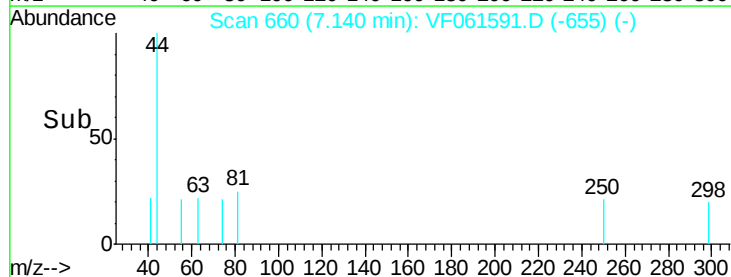
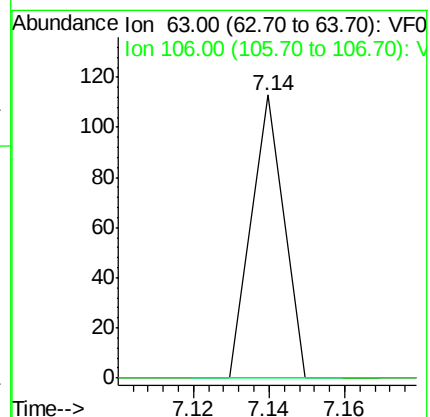
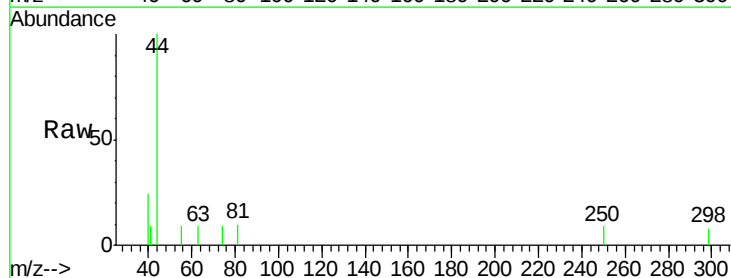
Acq: 11 Feb 2019 17:39

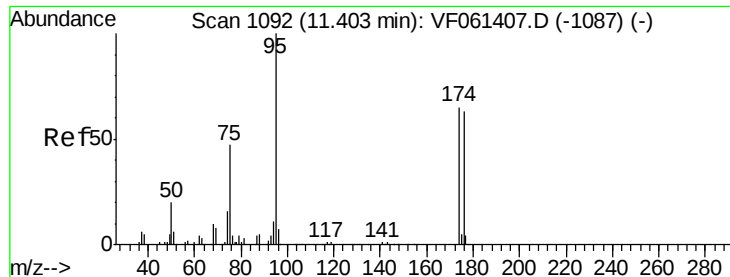
Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#





#62

4-Bromofluorobenzene

Concen: 47.707 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

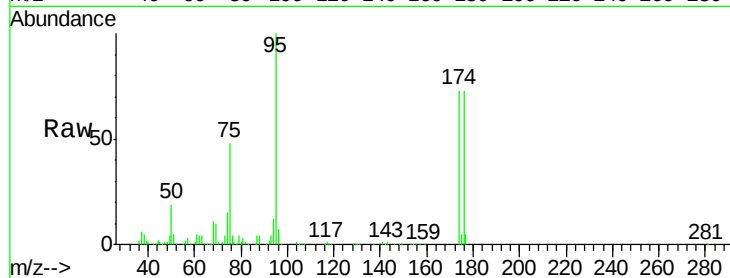
Tot Ion: 95 Resp: 135613

Ion Ratio Lower Upper

95 100

174 73.5 0.0 130.4

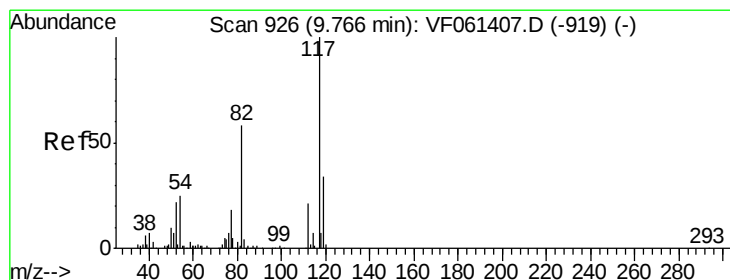
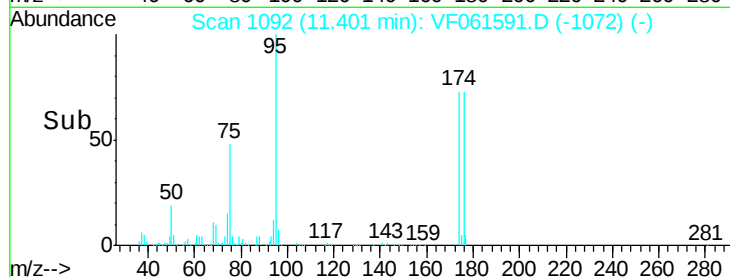
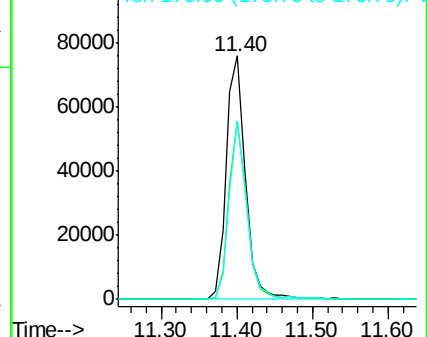
176 73.4 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061591.D

Acq: 11 Feb 2019 17:39

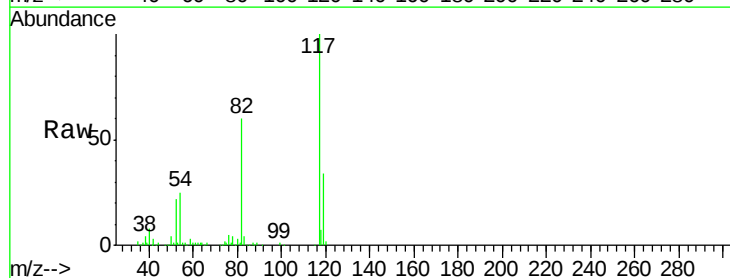
Tgt Ion: 117 Resp: 252872

Ion Ratio Lower Upper

117 100

82 59.6 46.4 69.6

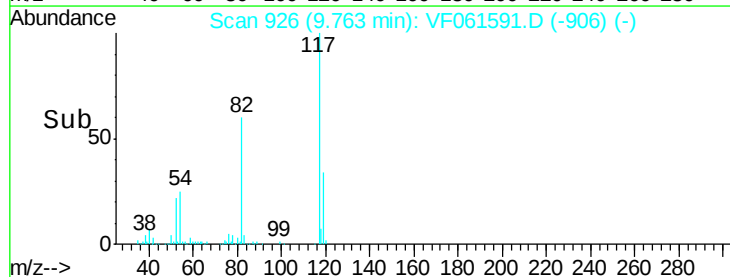
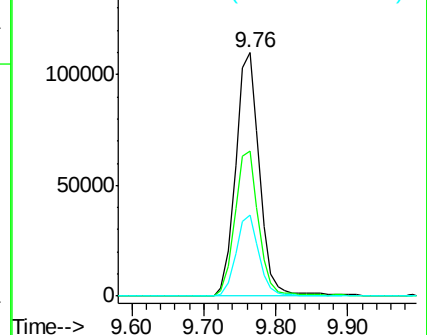
119 33.5 27.2 40.8

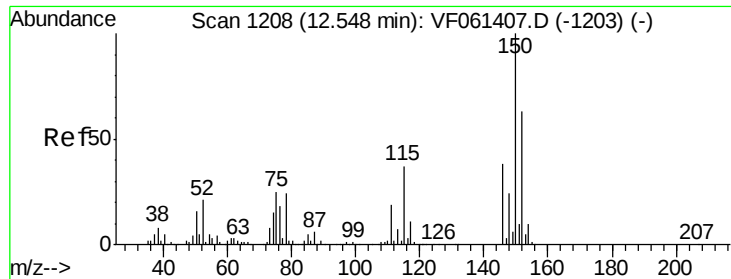


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



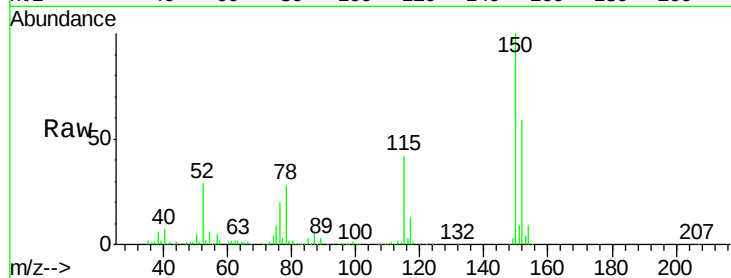


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061591.D
Acq: 11 Feb 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	70.1	30.0	90.0
150	168.7	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

