

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061465.D
 Acq On : 18 Jan 2019 17:57
 Operator : VA/AP
 Sample : K1013-05RE
 Misc : 4.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-C

Quant Time: Jan 19 04:00:05 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	4.87	168	214312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	377784	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	319772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152343	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	118800	44.90	ug/l	0.01
Spiked Amount			Recovery	=	89.80%	
35) Dibromofluoromethane	4.11	113	150569	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	7.55	98	363915	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	
62) 4-Bromofluorobenzene	11.41	95	165828	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	

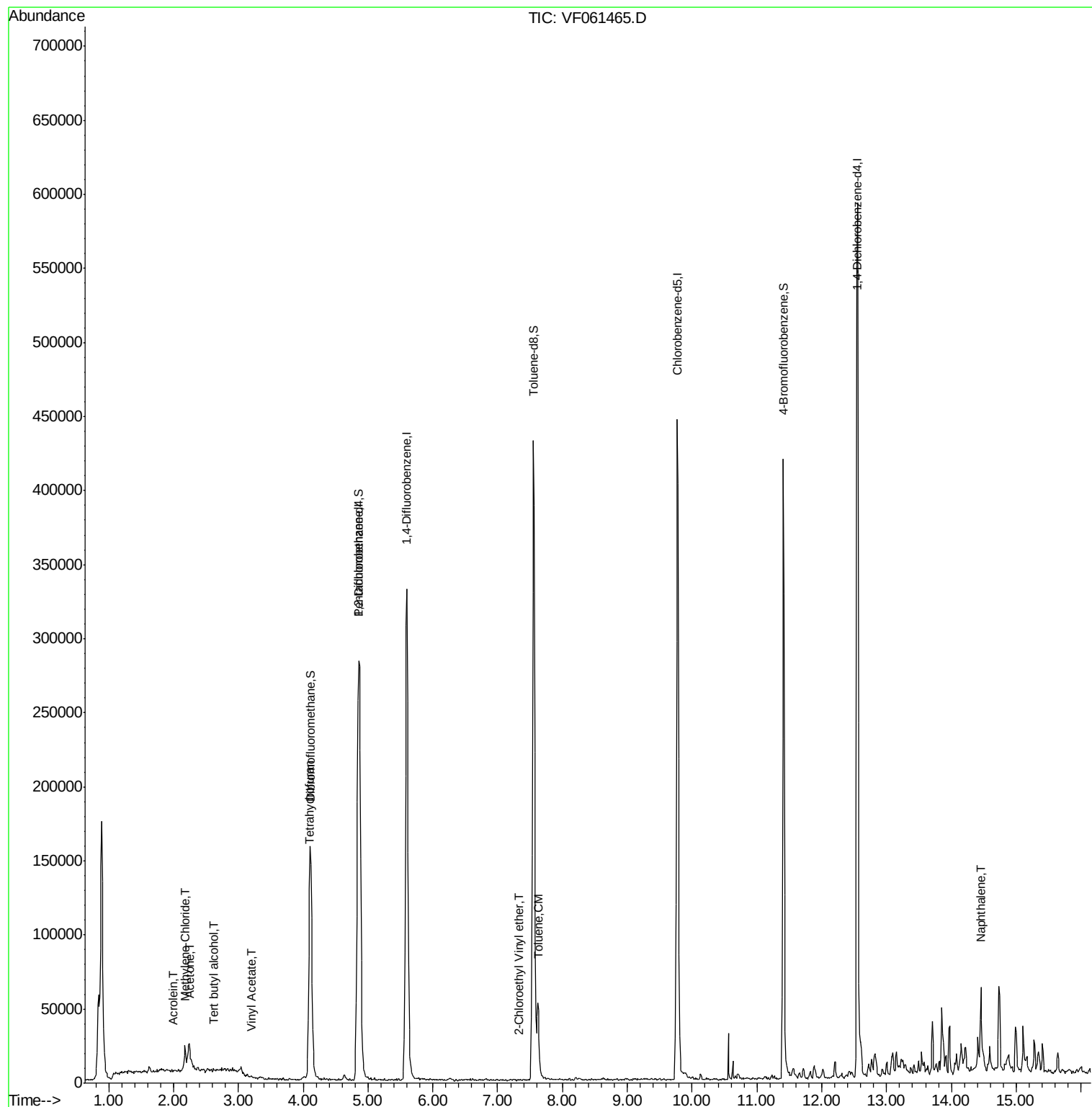
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.61	59	208	1.857	ug/l #	1
13) Acrolein	2.00	56	169	12.016	ug/l #	14
14) Allyl chloride	2.08	41	964	Below Cal	#	65
16) Acetone	2.23	43	13877	26.143	ug/l	92
20) Methylene Chloride	2.17	84	5751	1.487	ug/l #	88
23) Vinyl Acetate	3.20	43	1240	3.604	ug/l #	78
29) Tetrahydrofuran	4.09	42	713	1.876	ug/l #	77
52) Toluene	7.62	92	27382	4.266	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	60	27.758	ug/l #	47
95) Naphthalene	14.46	128	28746	4.412	ug/l	97

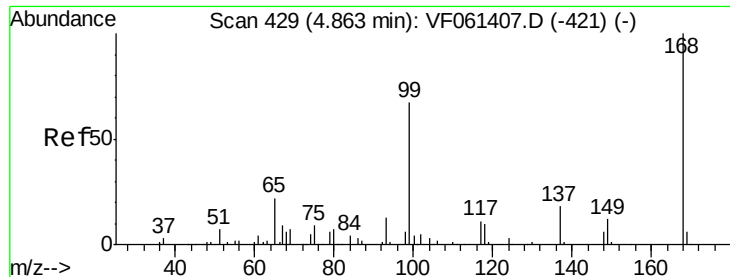
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
Data File : VF061465.D
Acq On : 18 Jan 2019 17:57
Operator : VA/AP
Sample : K1013-05RE
Misc : 4.72g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-C

Quant Time: Jan 19 04:00:05 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: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

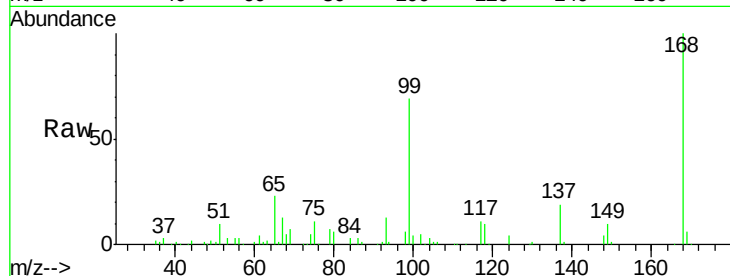
PL-01-011819-C

Tot Ion:168 Resp: 214312

Ion Ratio Lower Upper

168 100

99 69.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

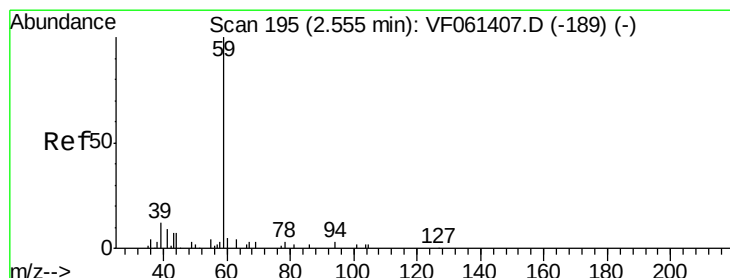
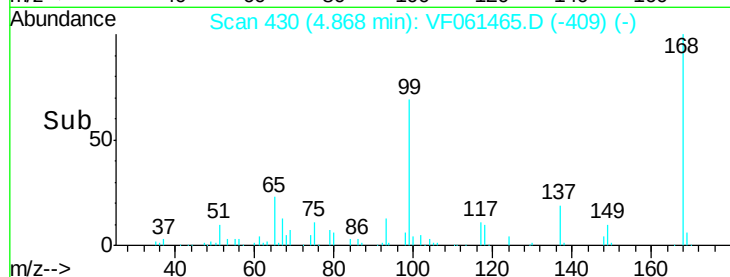
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.857 ug/l

RT: 2.61 min Scan# 201

Delta R.T. 0.05 min

Lab File: VF061465.D

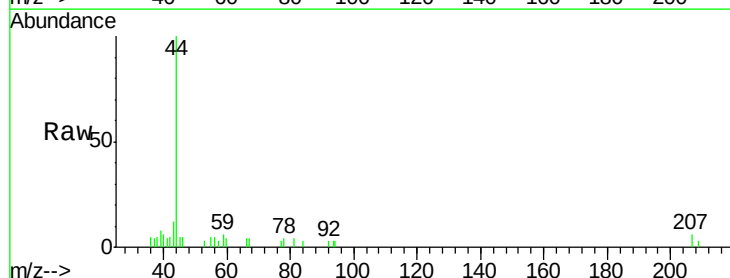
Acq: 18 Jan 2019 17:57

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 56.9 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.61

250

200

150

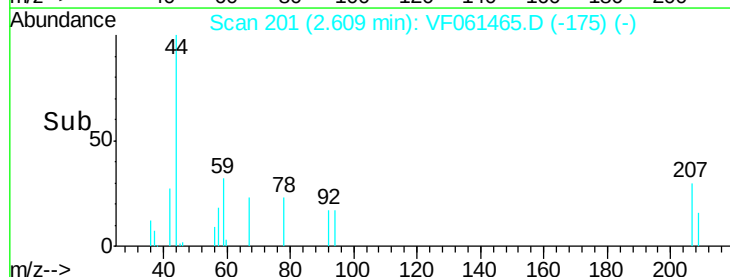
100

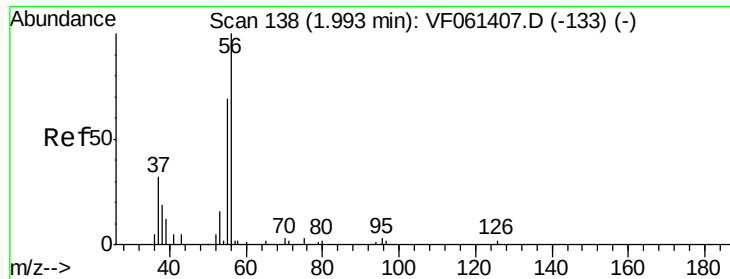
50

0

Time-->

2.58 2.60 2.62 2.64





#13

Acrolein

Concen: 12.016 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

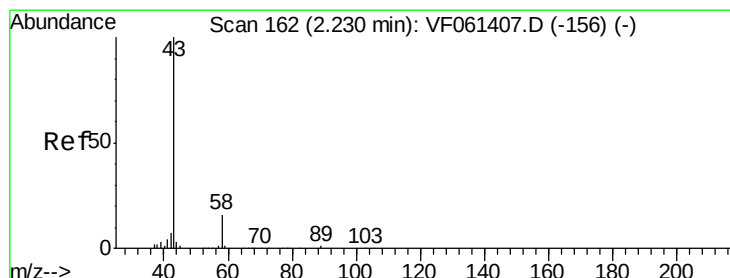
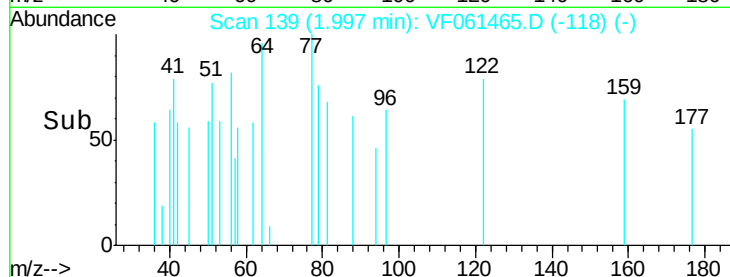
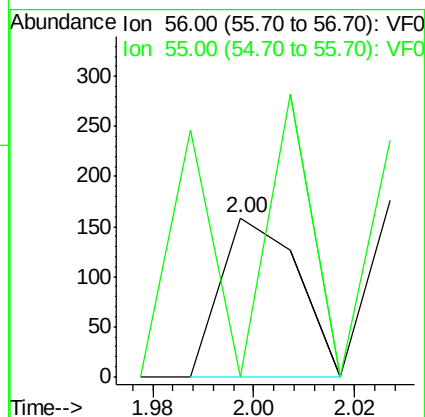
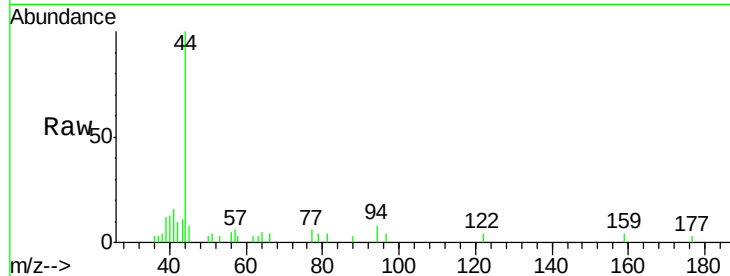
PL-01-011819-C

Tot Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 26.143 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061465.D

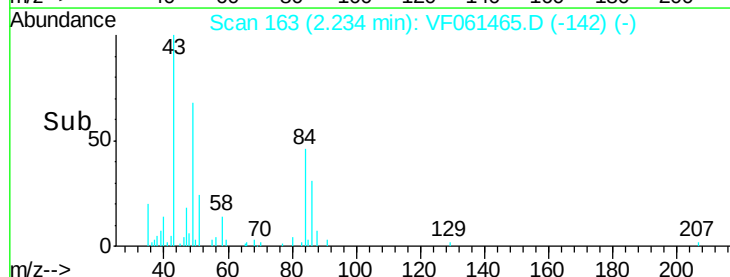
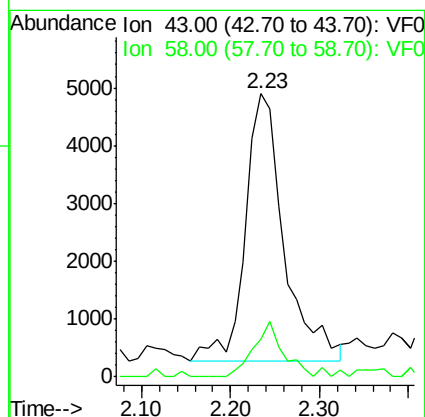
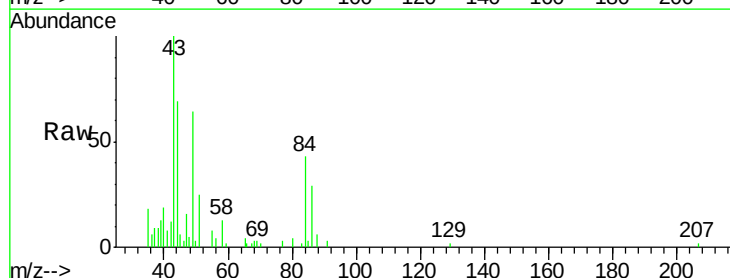
Acq: 18 Jan 2019 17:57

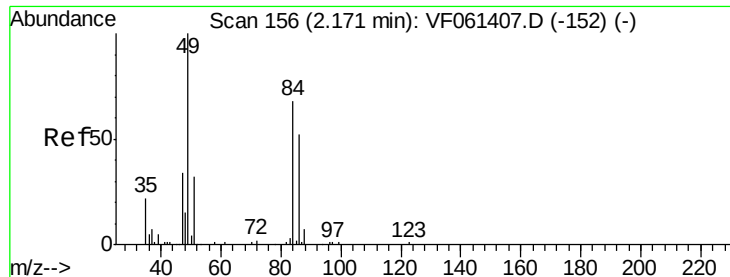
Tgt Ion: 43 Resp: 13877

Ion Ratio Lower Upper

43 100

58 13.3 13.3 19.9

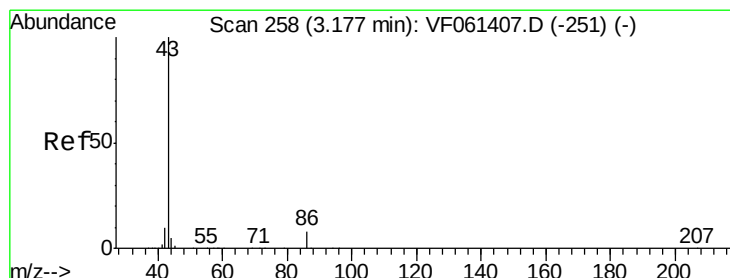
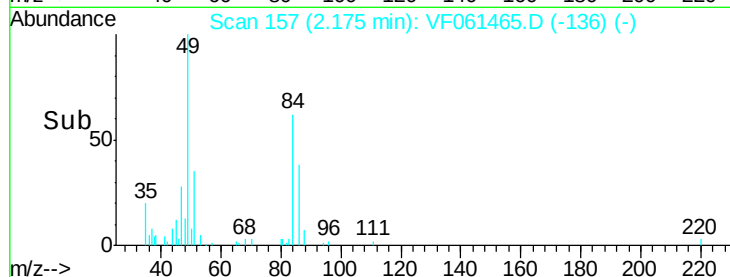
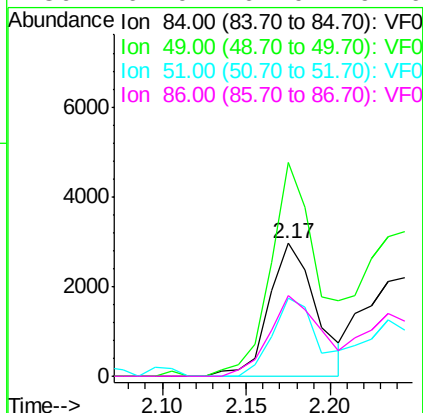
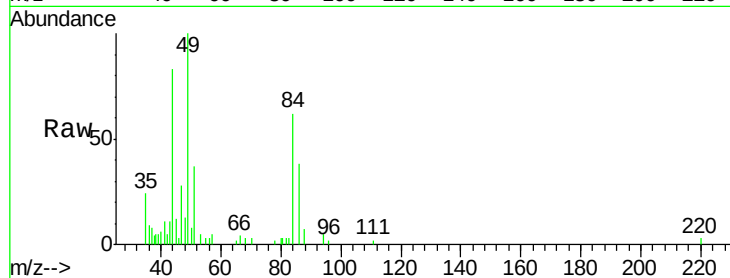




#20
Methvlene Chloride
Concen: 1.487 ug/l
RT: 2.17 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

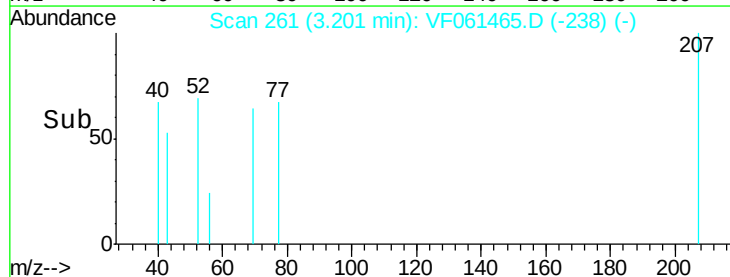
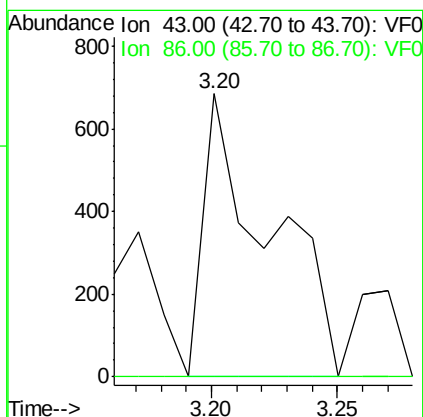
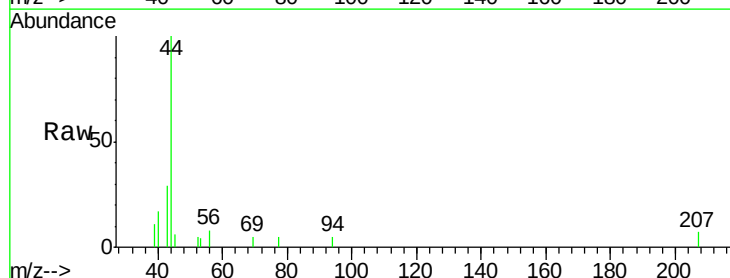
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-C

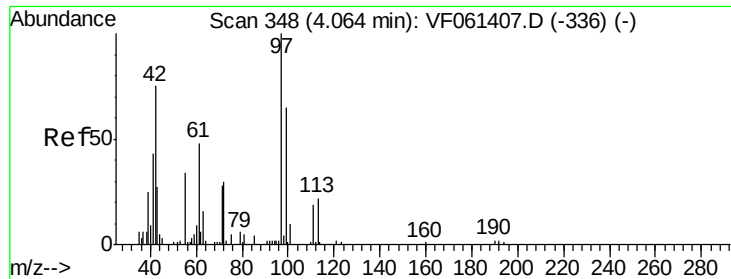
Tot Ion: 84 Resp: 5751
Ion Ratio Lower Upper
84 100
49 160.8 120.0 180.0
51 59.1 38.6 58.0#
86 61.0 61.0 91.6#



#23
Vinyl Acetate
Concen: 3.604 ug/l
RT: 3.20 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#29

Tetrahydrofuran

Concen: 1.876 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-C

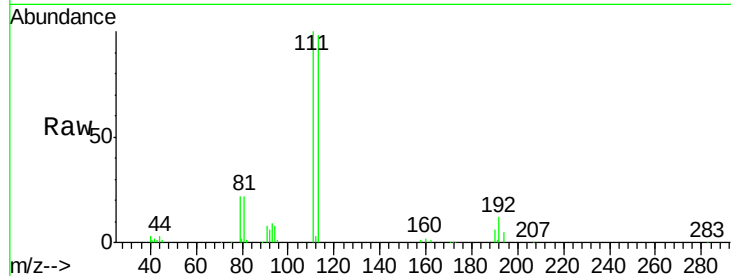
Tot Ion: 42 Resp: 713

Ion Ratio Lower Upper

42 100

72 8.4 28.9 43.3#

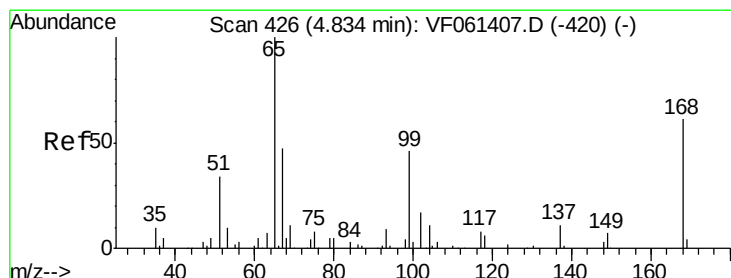
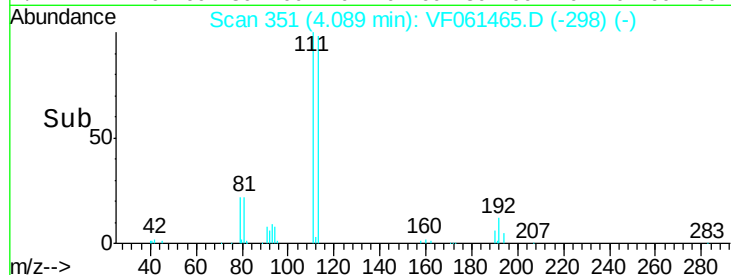
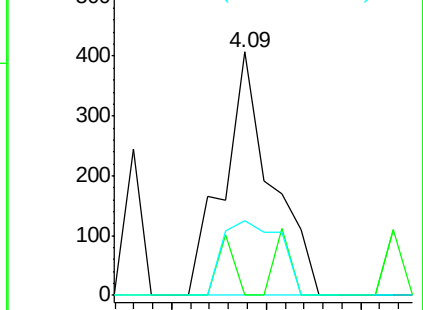
71 36.7 29.6 44.4



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: 44.899 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061465.D

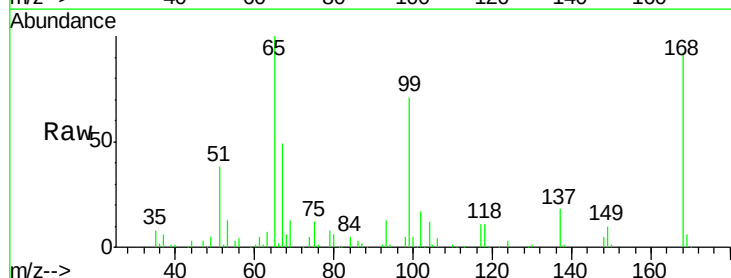
Acq: 18 Jan 2019 17:57

Tgt Ion: 65 Resp: 118800

Ion Ratio Lower Upper

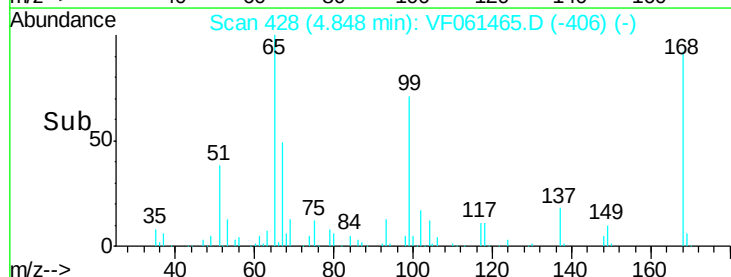
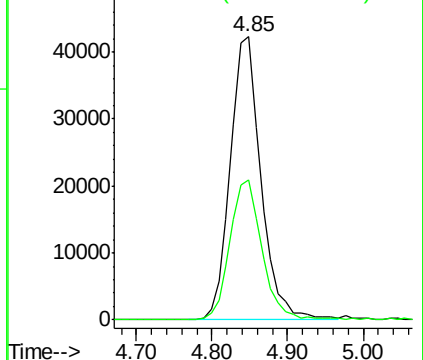
65 100

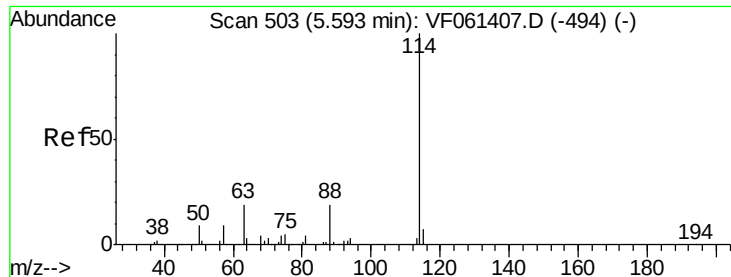
67 49.4 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-C

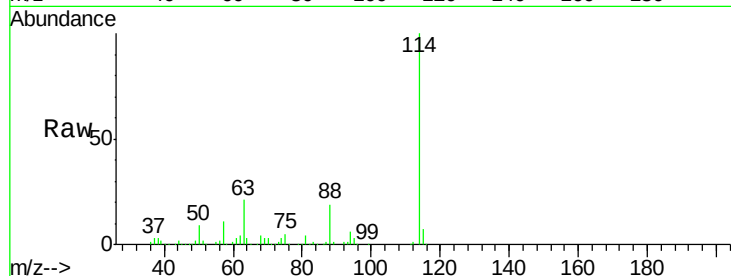
Tot Ion:114 Resp: 377784

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

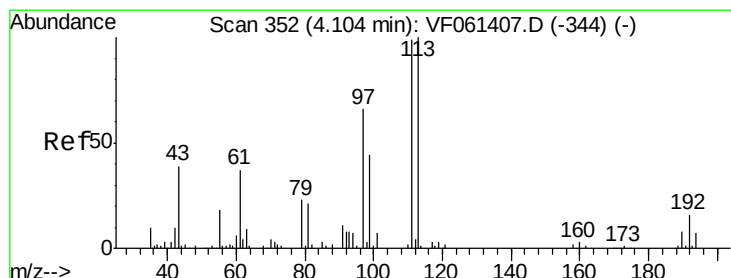
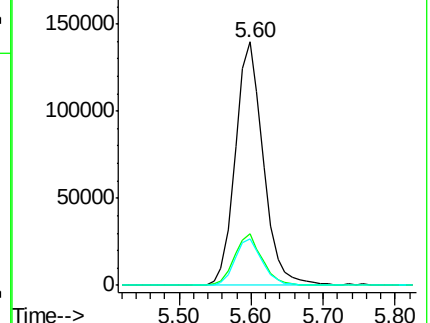
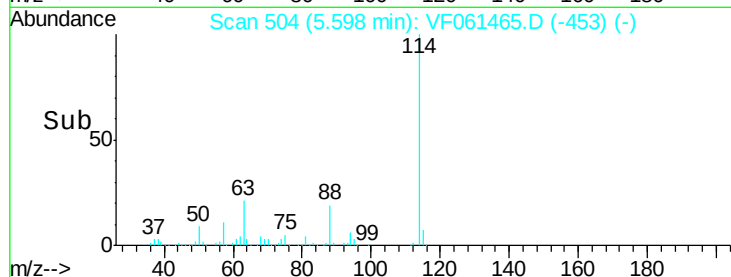
88 19.3 0.0 37.4



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: 50.509 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

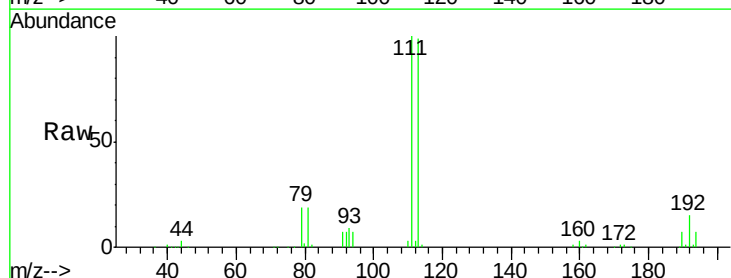
Tgt Ion:113 Resp: 150569

Ion Ratio Lower Upper

113 100

111 100.5 79.4 119.0

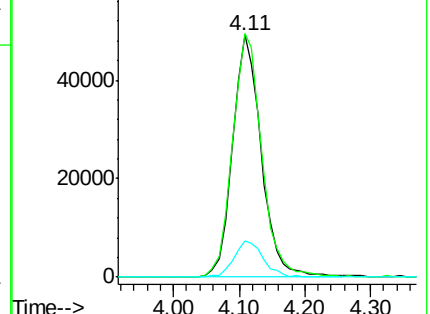
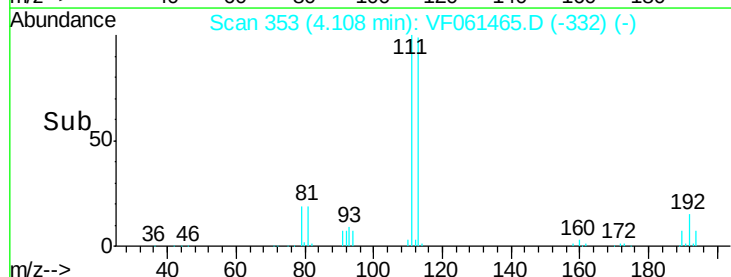
192 14.9 12.4 18.6

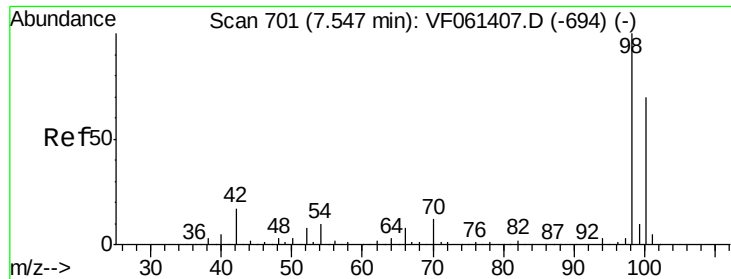


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

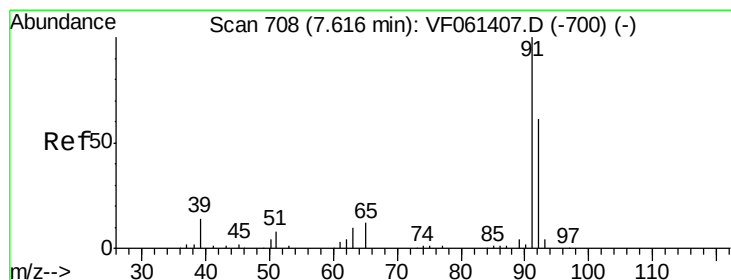
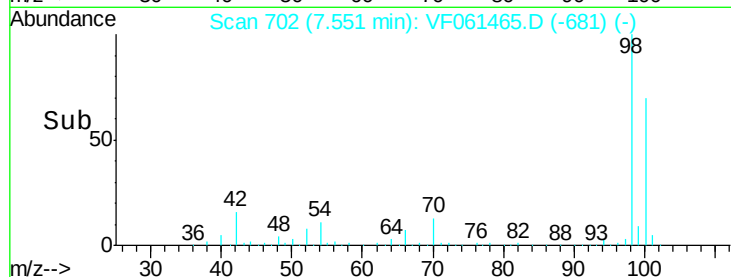
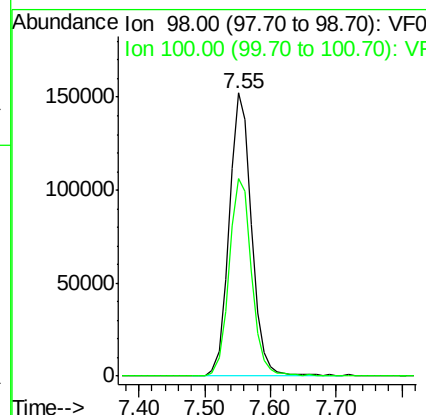
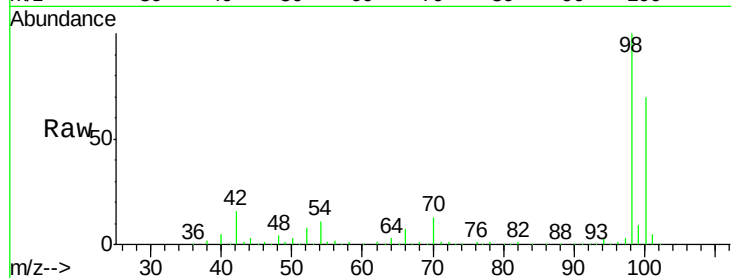




#50
Toluene-d8
Concen: 44.556 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

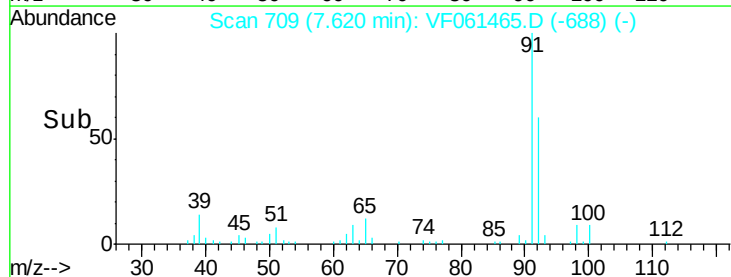
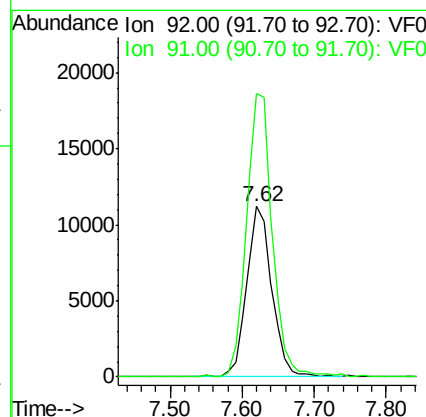
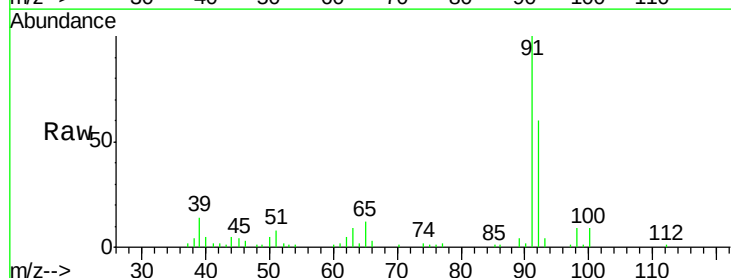
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-C

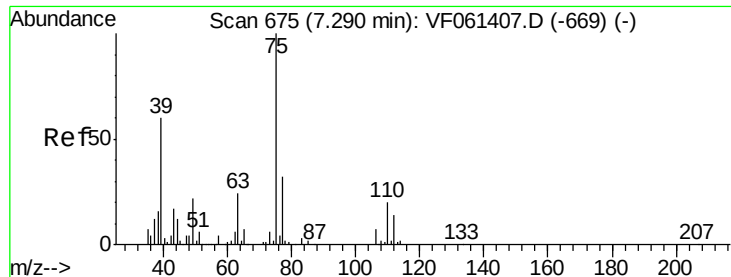
Tot Ion: 98 Resp: 363915
Ion Ratio Lower Upper
98 100
100 69.8 55.6 83.4



#52
Toluene
Concen: 4.266 ug/l
RT: 7.62 min Scan# 709
Delta R.T. 0.00 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

Tgt Ion: 92 Resp: 27382
Ion Ratio Lower Upper
92 100
91 166.3 131.2 196.8





#58

2-Chloroethyl Vinyl ether

Concen: 27.758 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.03 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

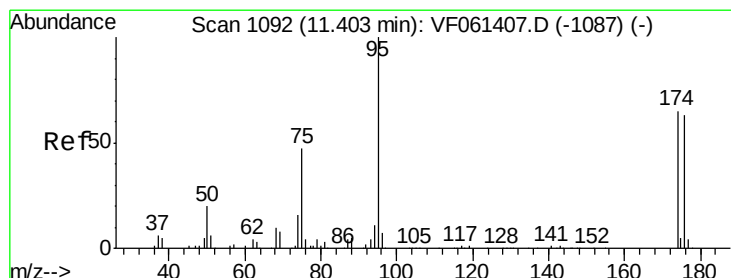
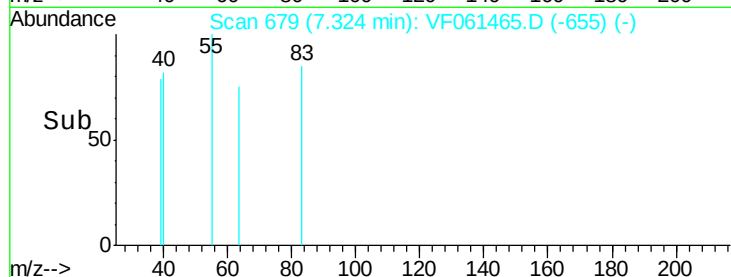
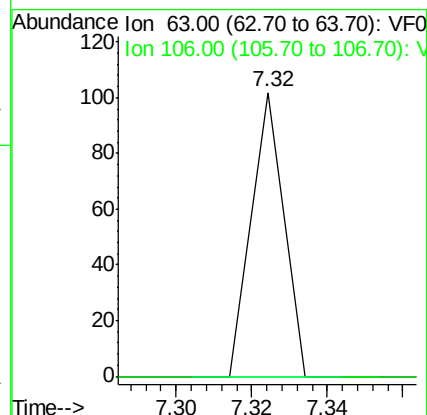
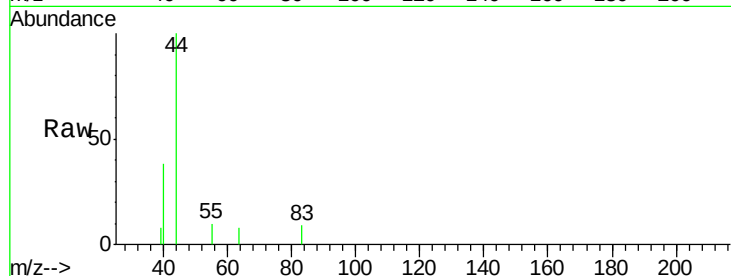
PL-01-011819-C

Tot Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



#62

4-Bromofluorobenzene

Concen: 43.455 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061465.D

Acq: 18 Jan 2019 17:57

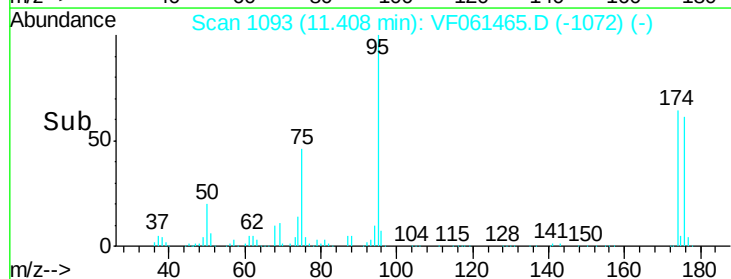
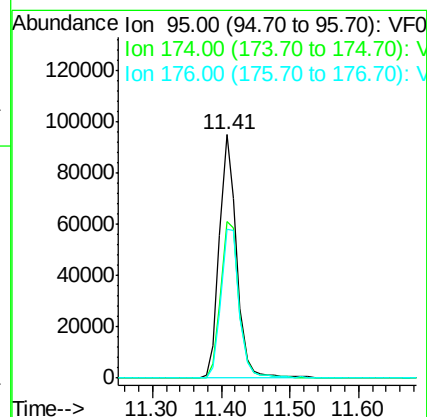
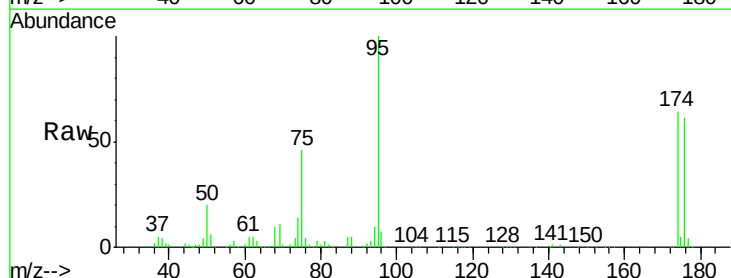
Tgt Ion: 95 Resp: 165828

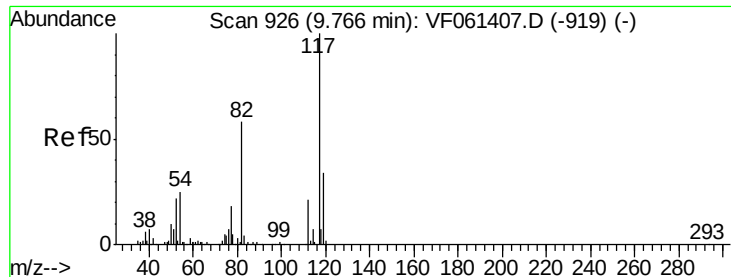
Ion Ratio Lower Upper

95 100

174 64.2 0.0 130.4

176 61.2 0.0 126.2

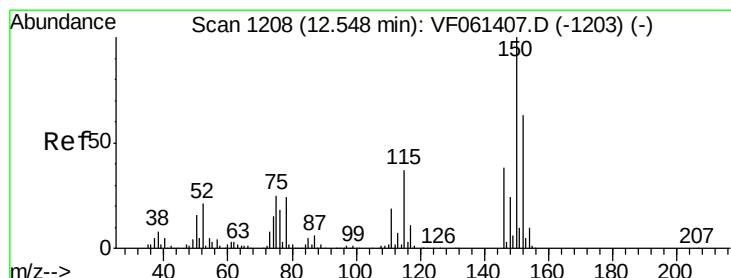
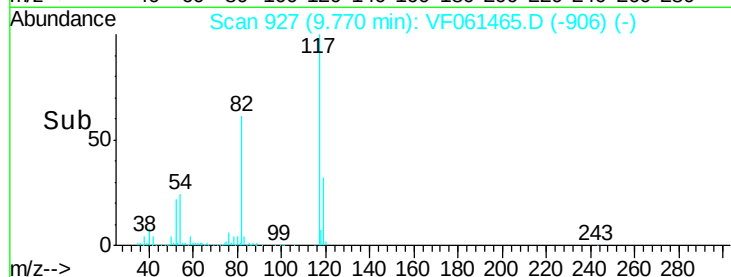
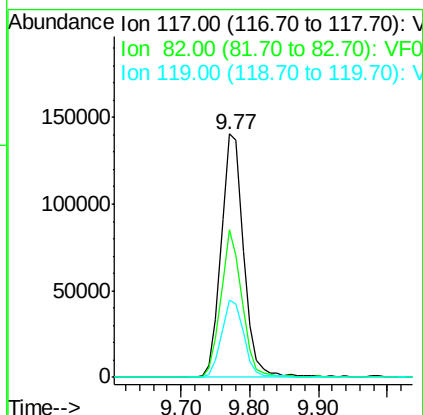
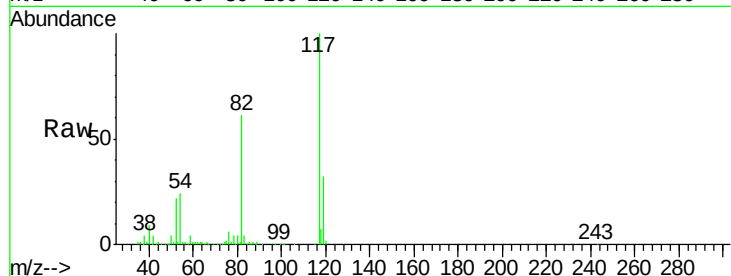




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

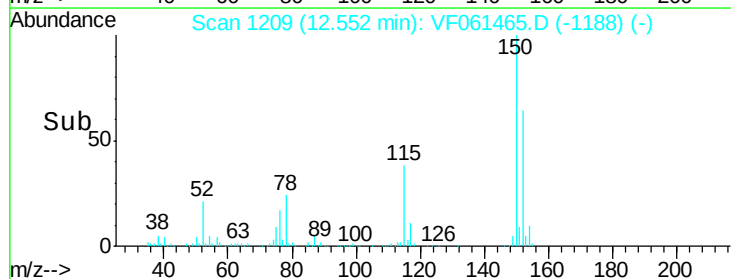
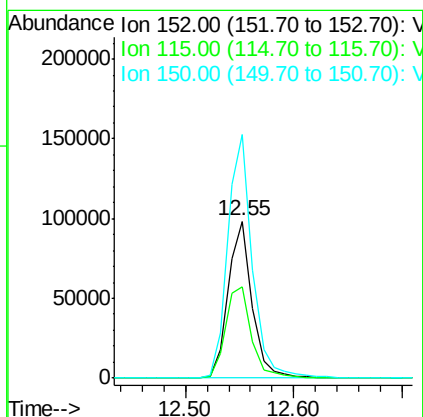
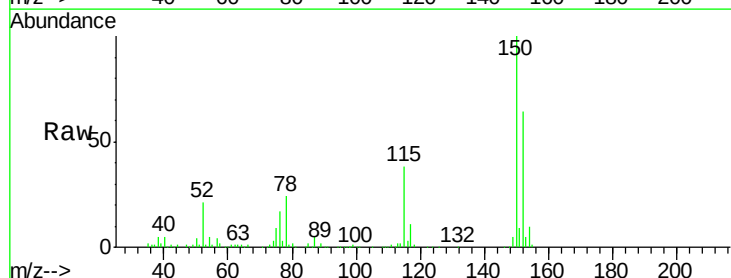
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-C

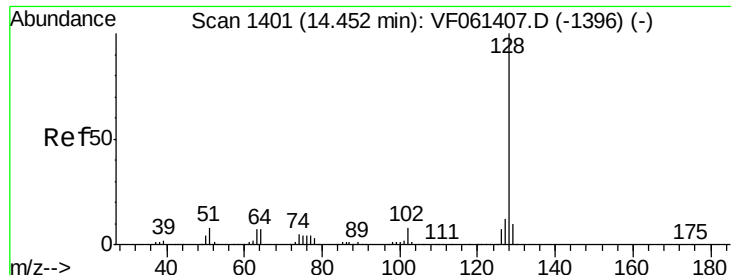
Tot Ion:117 Resp: 319772
Ion Ratio Lower Upper
117 100
82 60.8 46.4 69.6
119 31.8 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061465.D
Acq: 18 Jan 2019 17:57

Tgt Ion:152 Resp: 152343
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.0
150 155.2 0.0 321.4

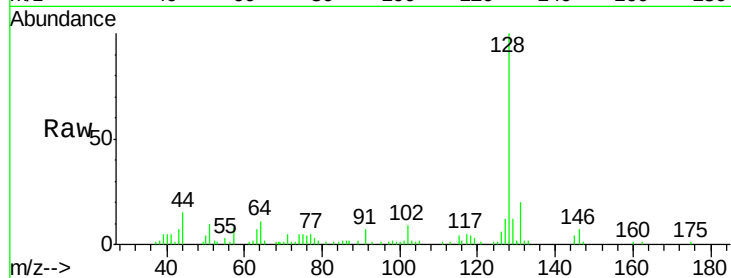




#95
 Naphthalene
 Concen: 4.412 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: VF061465.D
 Acq: 18 Jan 2019 17:57

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-C

Tot Ion:128 Resp: 28746
 Ion Ratio Lower Upper
 128 100
 127 12.3 9.5 14.3
 129 12.1 8.4 12.6



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

