

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061428.D
 Acq On : 16 Jan 2019 23:02
 Operator : VA/AP
 Sample : K1157-04
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-02-011519

Quant Time: Jan 17 02:59:55 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	4.86	168	220180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	400011	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	281413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	92510	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	125643	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	4.10	113	145754	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	7.54	98	343846	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	
62) 4-Bromofluorobenzene	11.40	95	125112	30.96	ug/l	0.00
Spiked Amount			Recovery	=	61.92%	

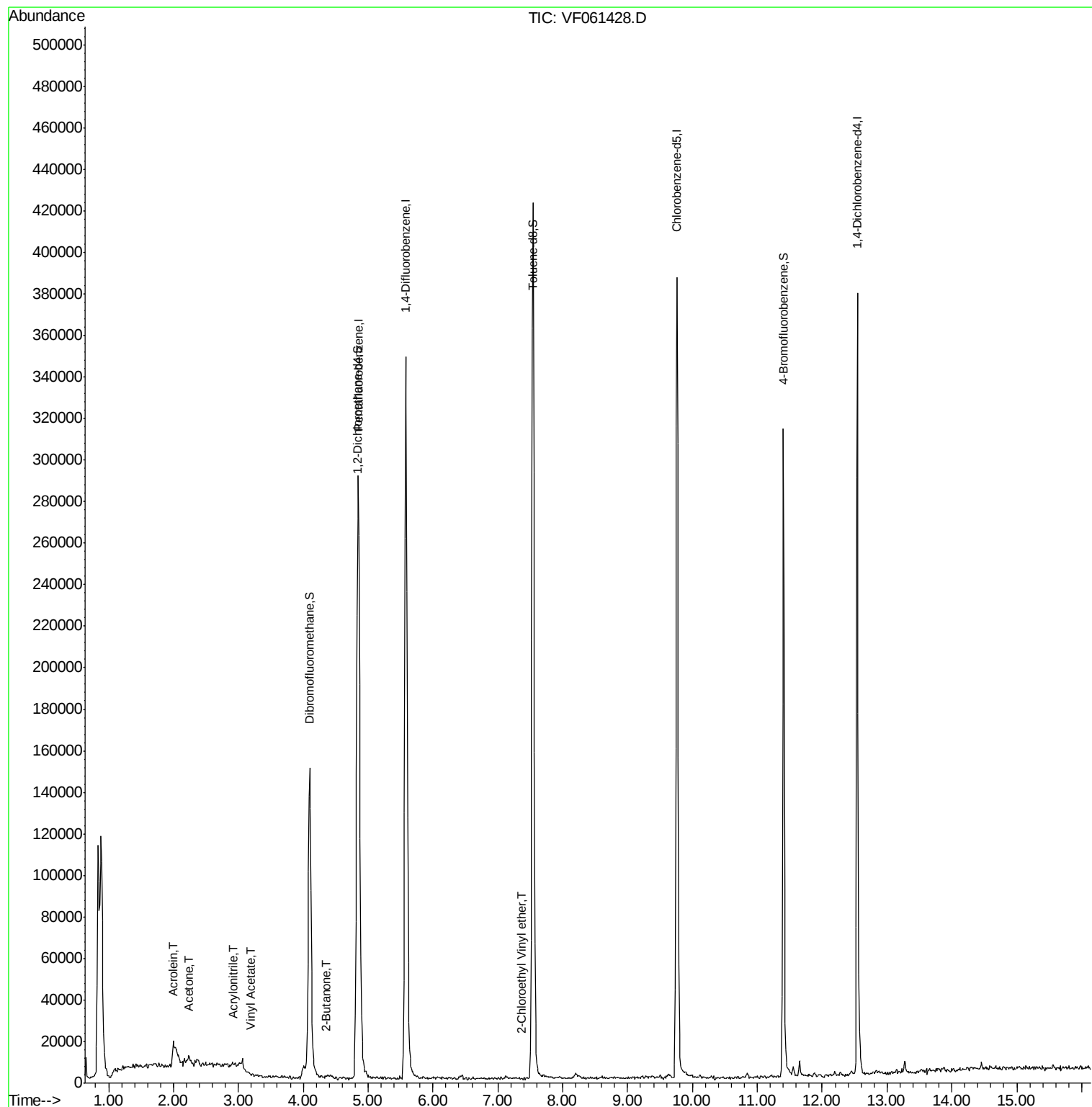
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.01	56	676	16.876	ug/l #	1
14) Allyl chloride	2.11	41	1146	Below Cal	#	45
15) Acrylonitrile	2.93	53	381	1.293	ug/l #	12
16) Acetone	2.24	43	688	1.262	ug/l	95
20) Methylene Chloride	2.17	84	1814	Below Cal	#	84
23) Vinyl Acetate	3.19	43	159	3.245	ug/l #	78
25) 2-Butanone	4.36	43	1030	1.136	ug/l #	57
49) 1,4-Dioxane	6.69	88	66	Below Cal	#	13
58) 2-Chloroethyl Vinyl ether	7.36	63	60	27.744	ug/l #	47

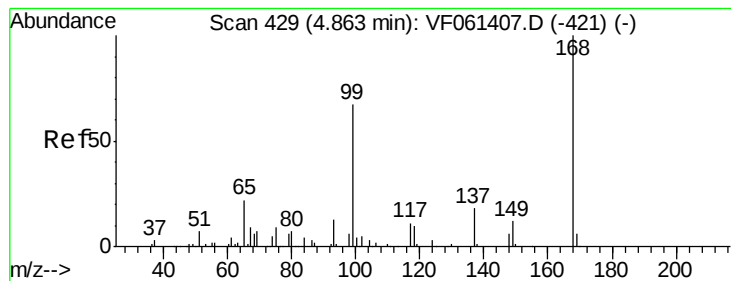
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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Quant Time: Jan 17 02:59:55 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: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

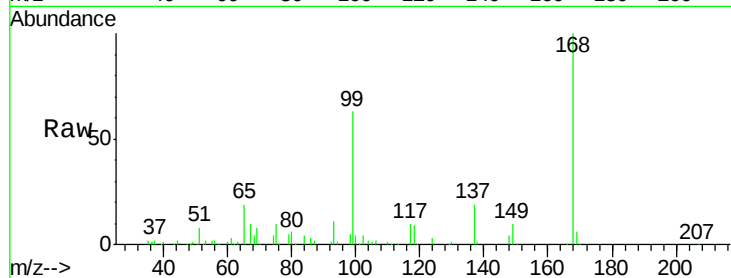
WC-02-011519

Tot Ion:168 Resp: 220180

Ion Ratio Lower Upper

168 100

99 63.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

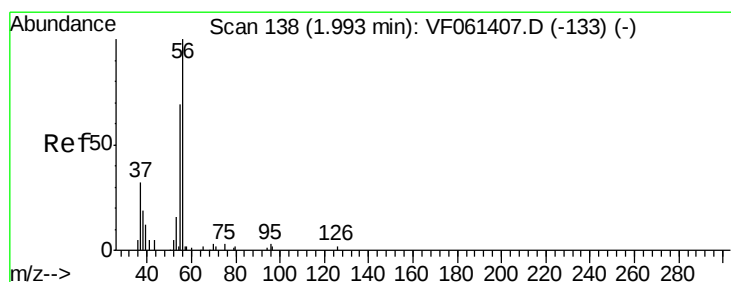
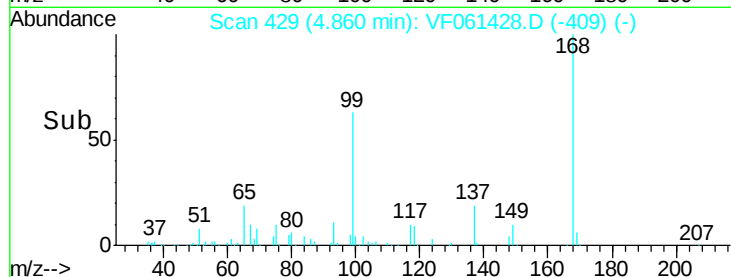
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 16.876 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061428.D

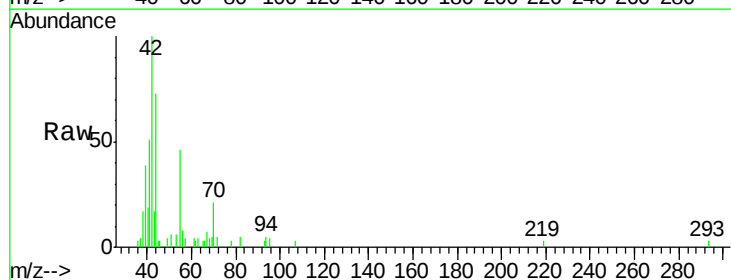
Acq: 16 Jan 2019 23:02

Tgt Ion: 56 Resp: 676

Ion Ratio Lower Upper

56 100

55 566.9 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2000

1500

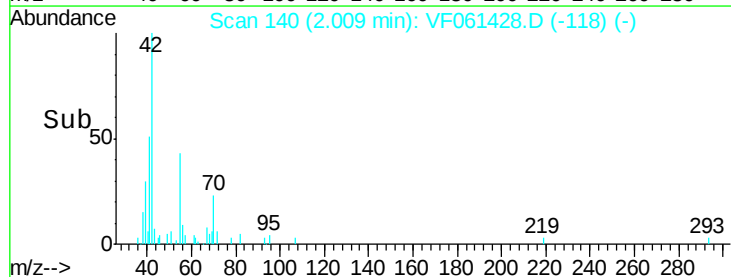
1000

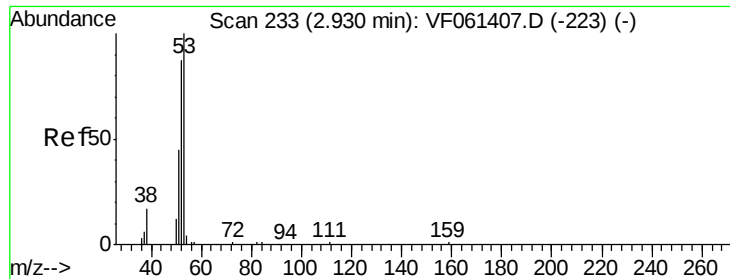
500

0

1.95 2.00

Time-->





#15

Acrylonitrile

Concen: 1.293 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

WC-02-011519

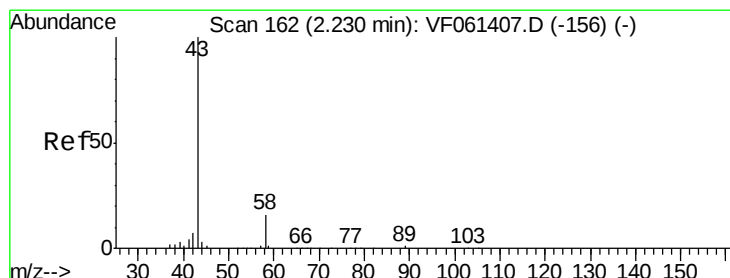
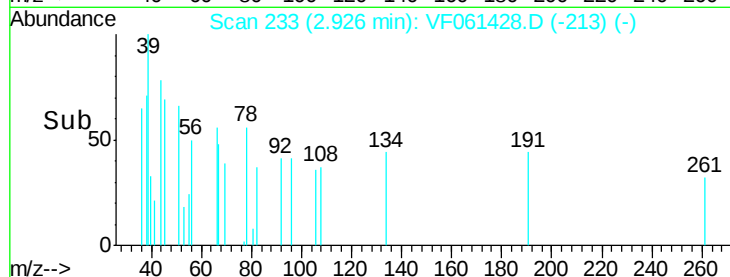
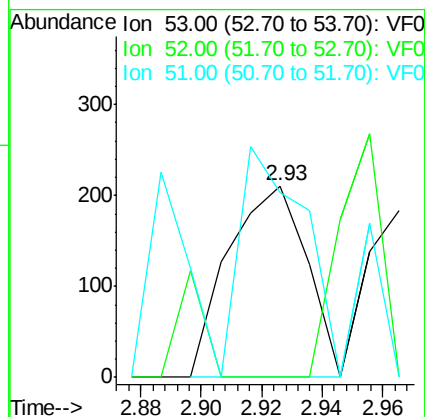
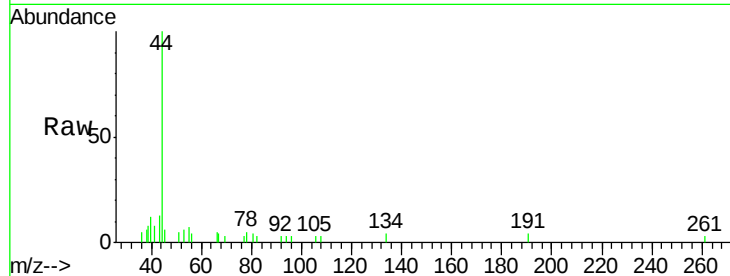
Tot Ion: 53 Resp: 381

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 96.2 36.8 55.2#



#16

Acetone

Concen: 1.262 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061428.D

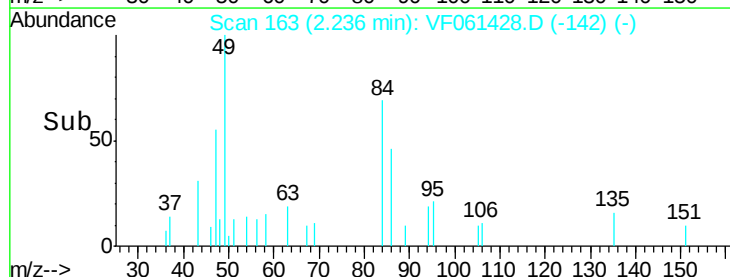
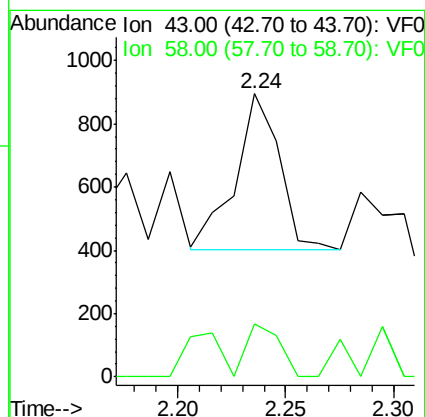
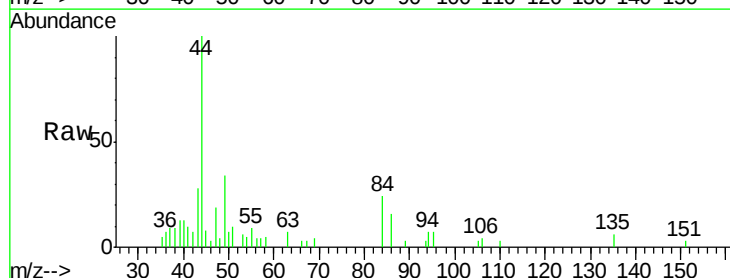
Acq: 16 Jan 2019 23:02

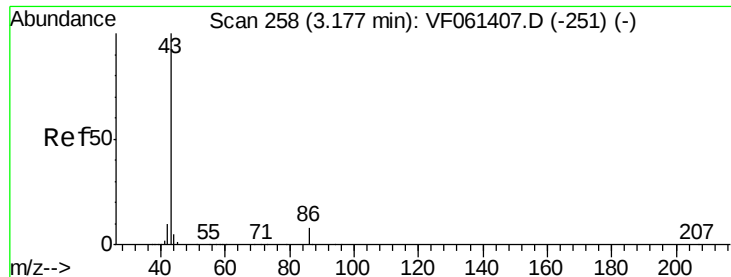
Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

58 18.5 13.3 19.9





#23

Vinyl Acetate

Concen: 3.245 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

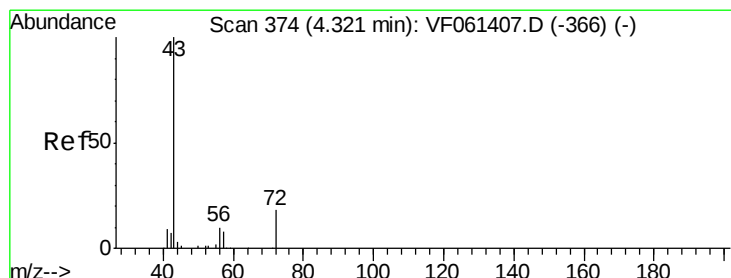
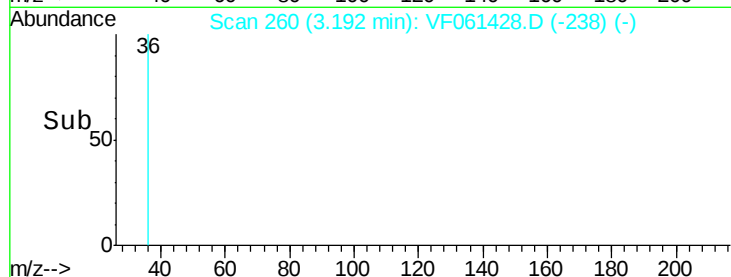
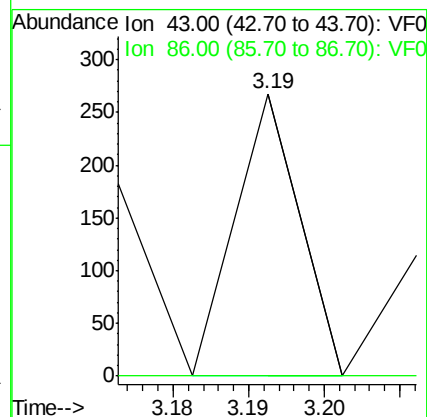
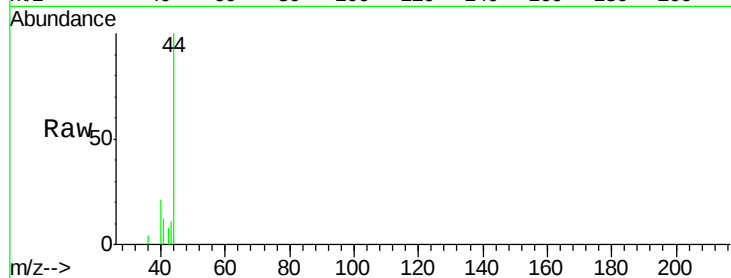
WC-02-011519

Tot Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#25

2-Butanone

Concen: 1.136 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.04 min

Lab File: VF061428.D

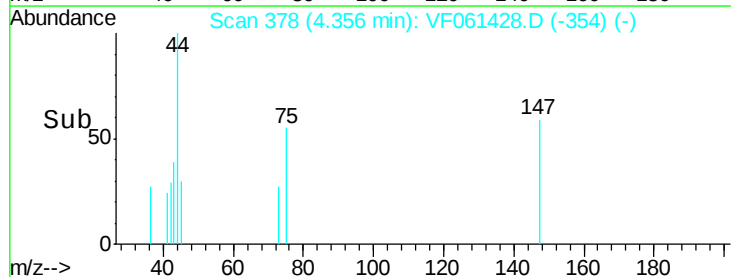
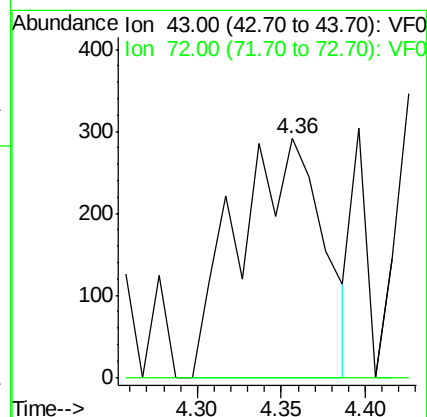
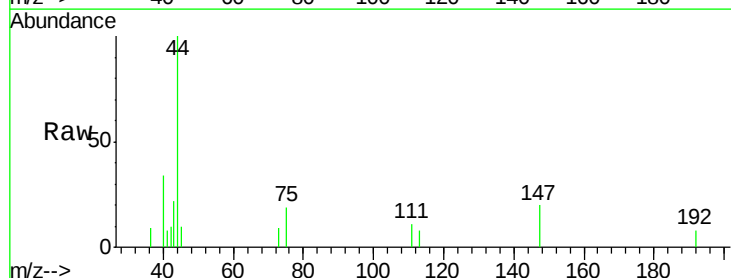
Acq: 16 Jan 2019 23:02

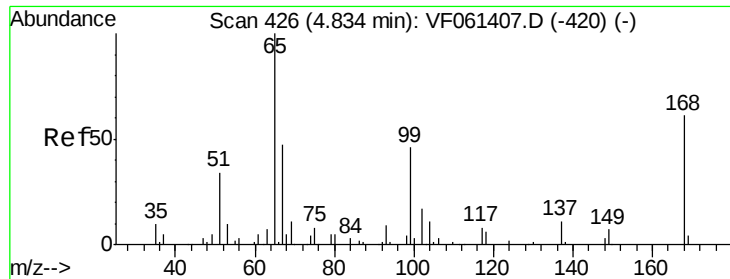
Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#





#33

1,2-Dichloroethane-d4

Concen: 46.219 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

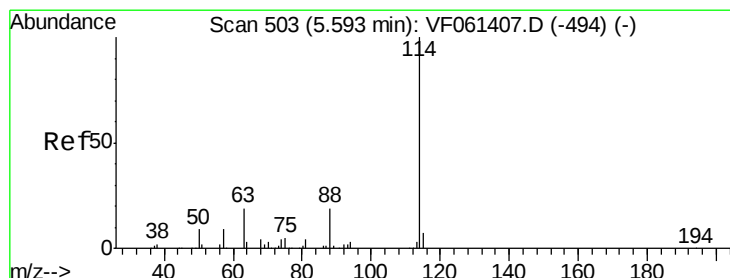
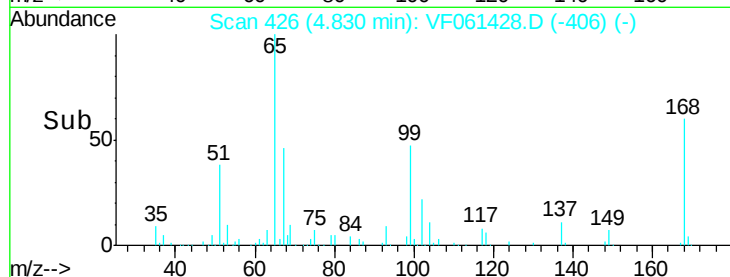
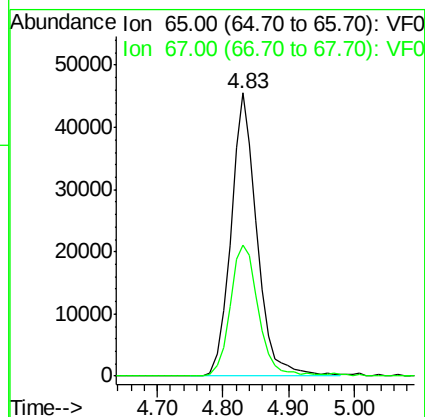
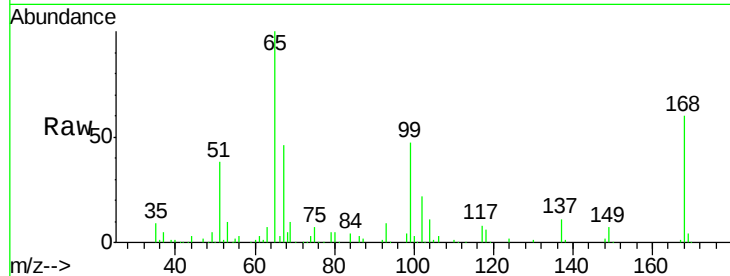
WC-02-011519

Tot Ion: 65 Resp: 125643

Ion Ratio Lower Upper

65 100

67 46.2 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: VF061428.D

Acq: 16 Jan 2019 23:02

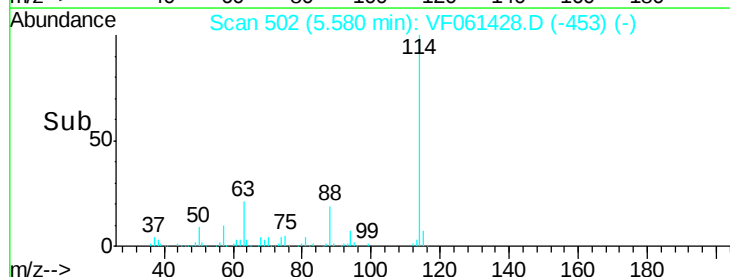
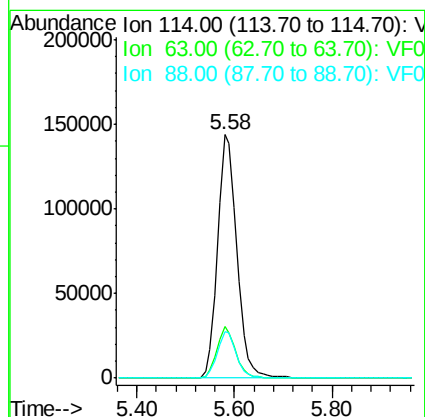
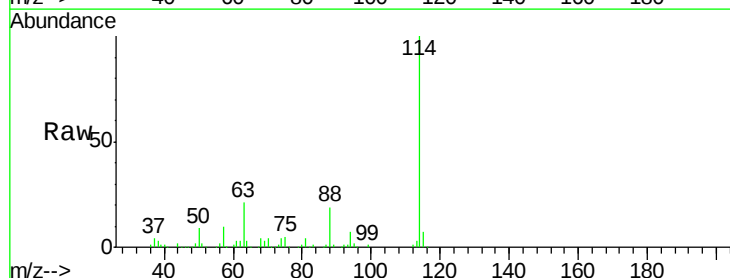
Tgt Ion: 114 Resp: 400011

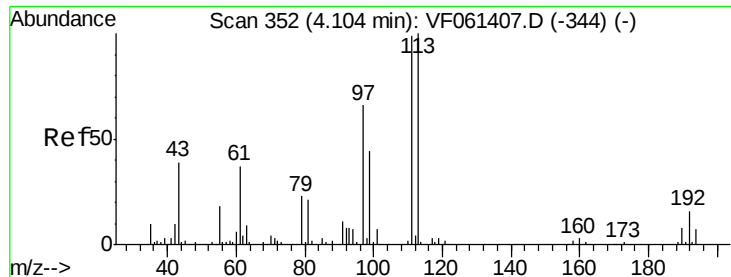
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 19.1 0.0 37.4

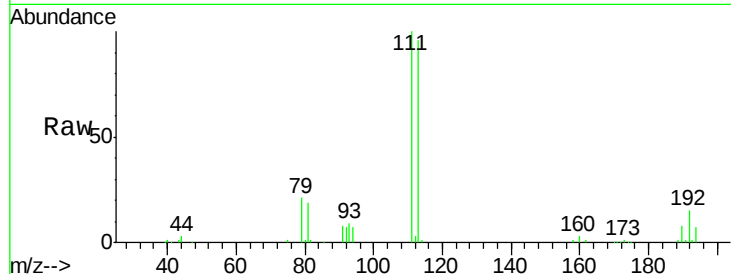




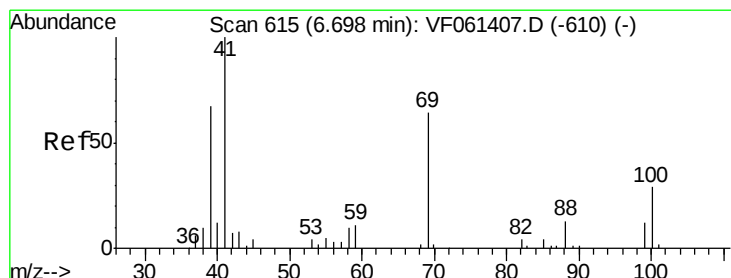
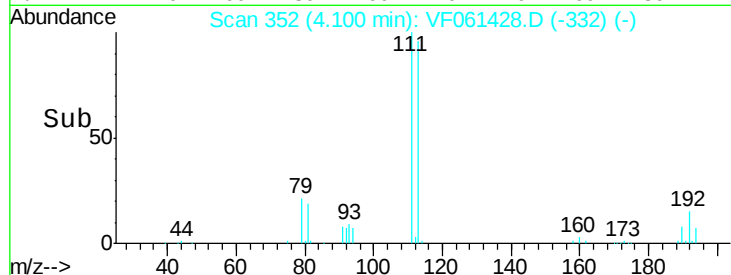
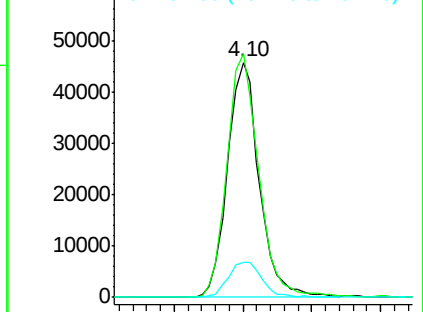
#35
Dibromofluoromethane
Concen: 46.177 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061428.D
Acq: 16 Jan 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
WC-02-011519

Tot Ion:113 Resp: 145754
Ion Ratio Lower Upper
113 100
111 103.7 79.4 119.0
192 15.1 12.4 18.6

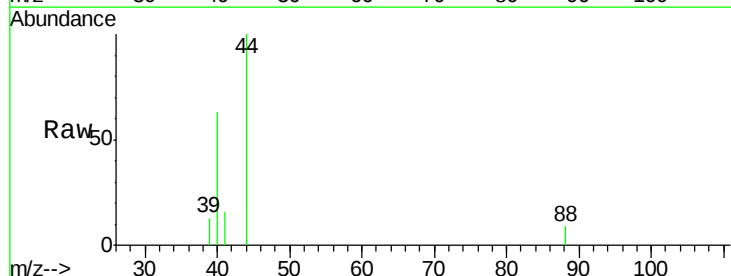


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

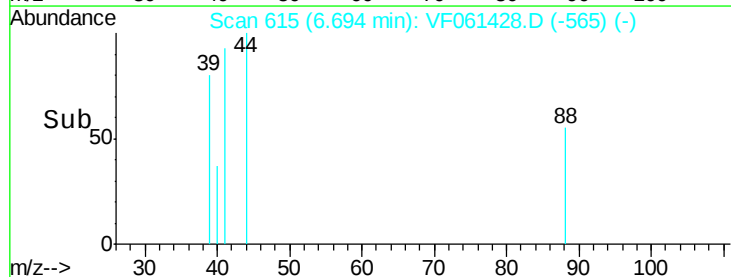
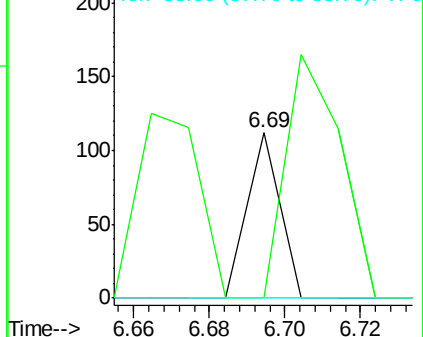


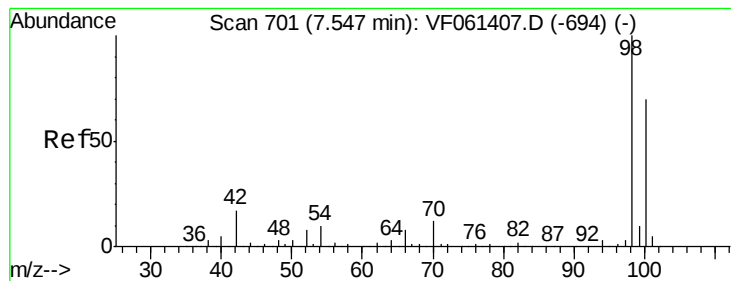
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.69 min Scan# 615
Delta R.T. -0.00 min
Lab File: VF061428.D
Acq: 16 Jan 2019 23:02

Tgt Ion: 88 Resp: 66
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: 39.760 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

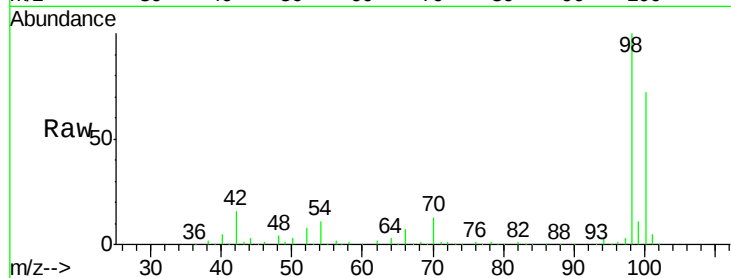
WC-02-011519

Tot Ion: 98 Resp: 343846

Ion Ratio Lower Upper

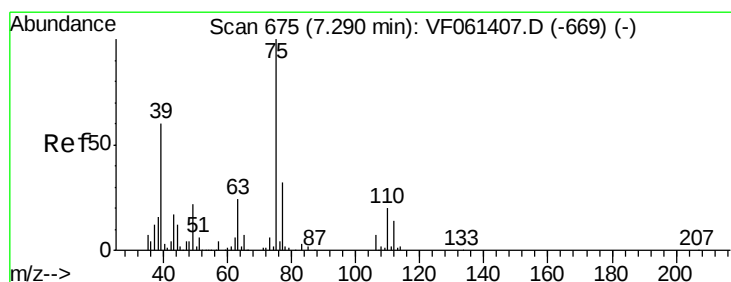
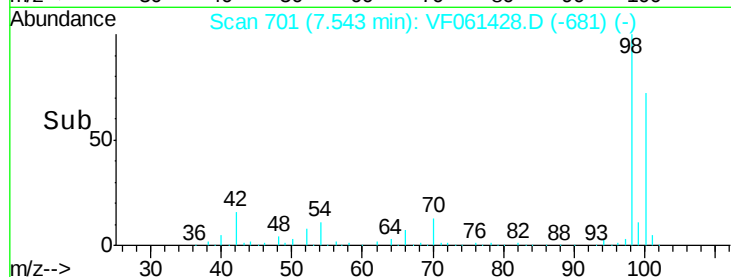
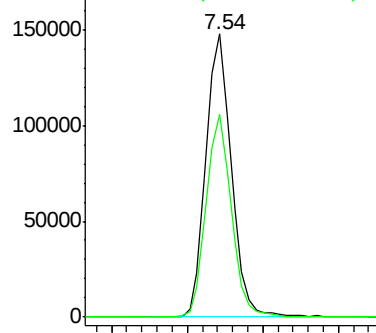
98 100

100 71.6 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 27.744 ug/l

RT: 7.36 min Scan# 682

Delta R.T. 0.07 min

Lab File: VF061428.D

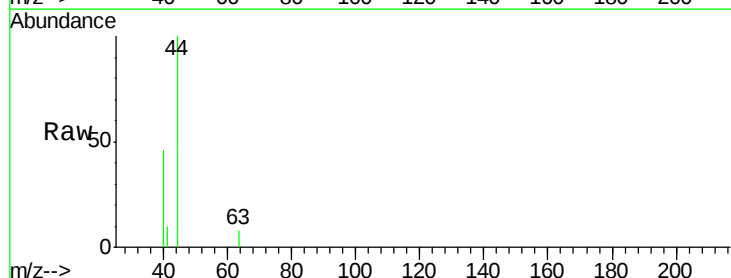
Acq: 16 Jan 2019 23:02

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

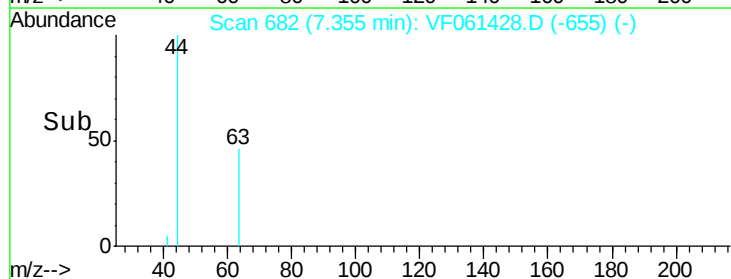
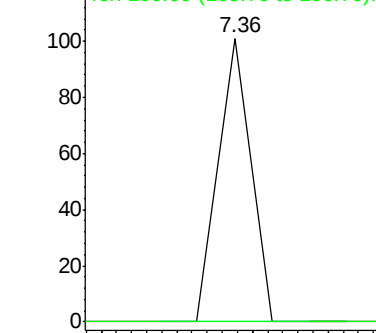
63 100

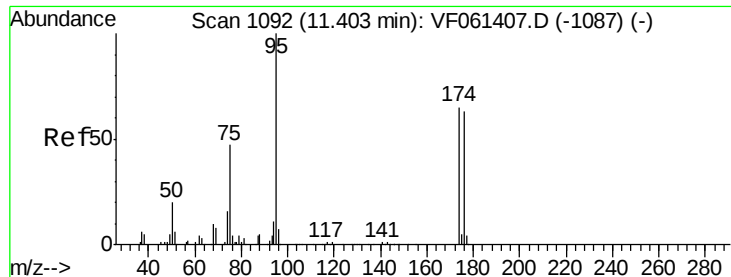
106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 30.964 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

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ClientSampleId :

WC-02-011519

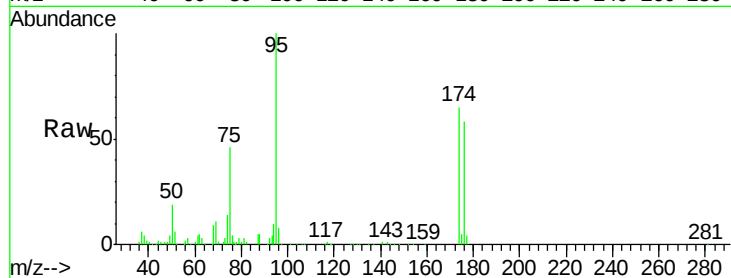
Tot Ion: 95 Resp: 125112

Ion Ratio Lower Upper

95 100

174 65.3 0.0 130.4

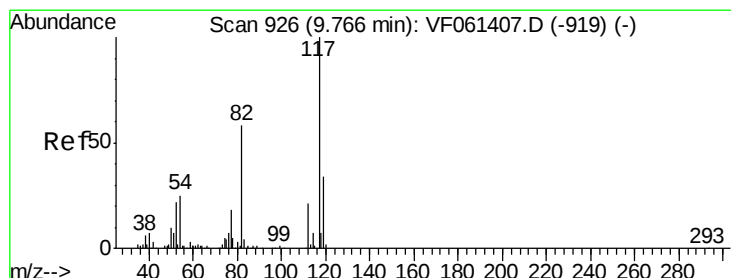
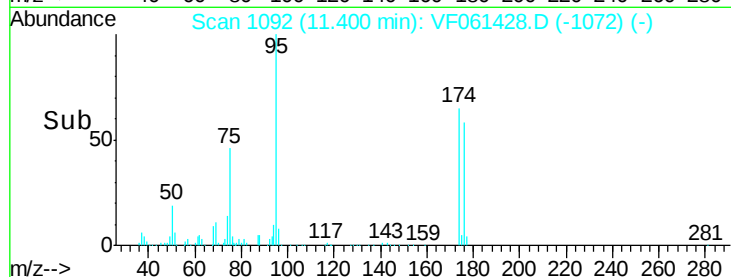
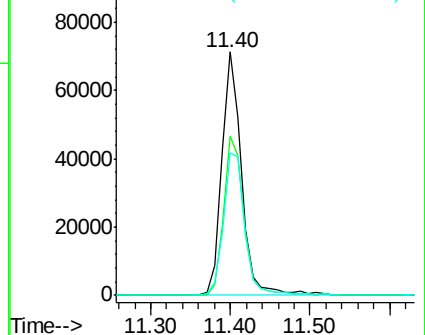
176 58.3 0.0 126.2



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. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

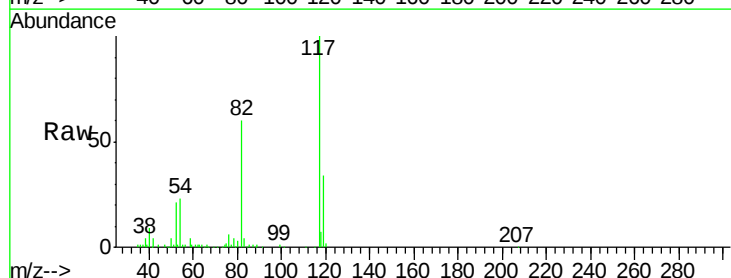
Tgt Ion: 117 Resp: 281413

Ion Ratio Lower Upper

117 100

82 60.5 46.4 69.6

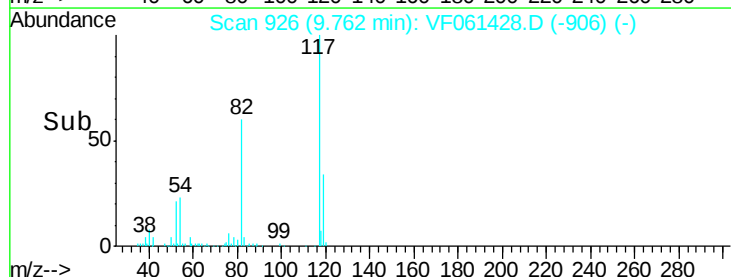
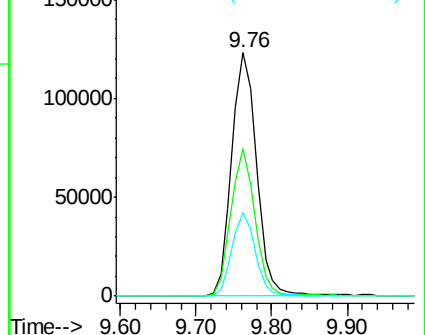
119 34.3 27.2 40.8

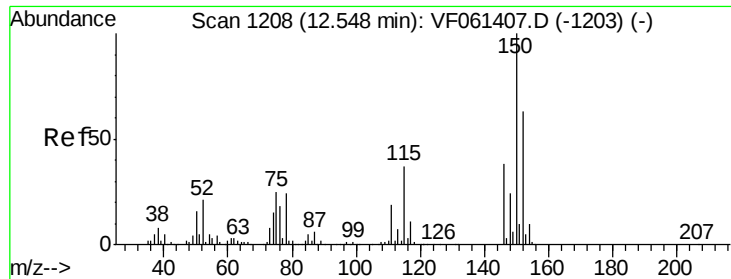


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061428.D

Acq: 16 Jan 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

WC-02-011519

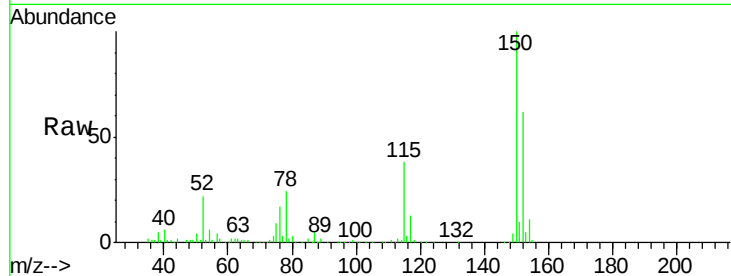
Tot Ion:152 Resp: 92510

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

150 160.9 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

