

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061599.D
 Acq On : 11 Feb 2019 21:29
 Operator : VA/AP
 Sample : K1458-08RE
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:29:24 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	159288	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	283878	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	222940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	72189	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	108051	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
35) Dibromofluoromethane	4.09	113	109371	48.83	ug/l	-0.02
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	7.53	98	228383	37.21	ug/l	-0.02
Spiked Amount			Recovery	=	74.42%	
62) 4-Bromofluorobenzene	11.40	95	90776	31.66	ug/l	0.00
Spiked Amount			Recovery	=	63.32%	

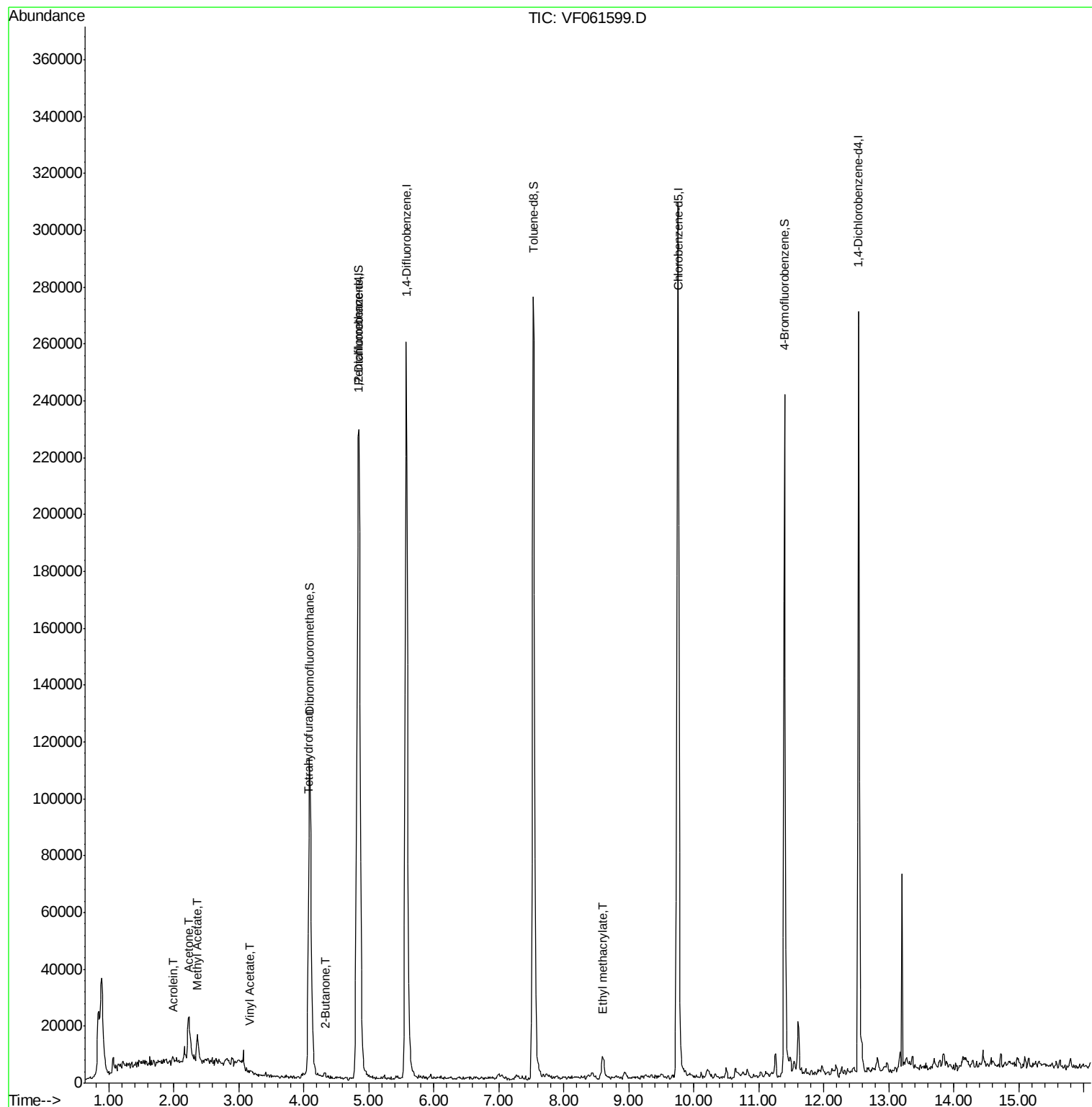
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	287	14.174	ug/l	85
14) Allyl chloride	2.09	41	430	Below Cal	#	79
16) Acetone	2.22	43	23320	59.109	ug/l #	92
18) Methyl Acetate	2.36	43	4814	6.153	ug/l #	61
20) Methylene Chloride	2.16	84	2093	Below Cal	#	72
23) Vinyl Acetate	3.18	43	110	3.243	ug/l #	78
25) 2-Butanone	4.32	43	4301	6.556	ug/l	92
29) Tetrahydrofuran	4.07	42	328	1.161	ug/l #	59
56) Ethyl methacrylate	8.62	69	4402	2.763	ug/l #	68

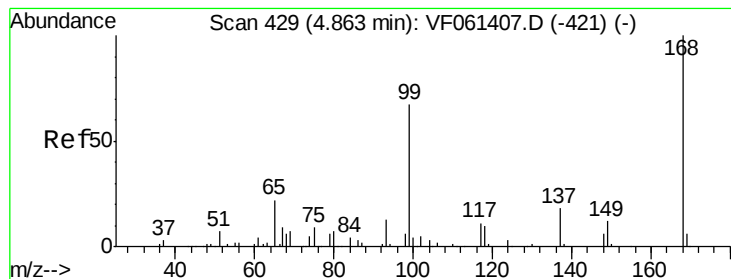
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
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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. -0.02 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

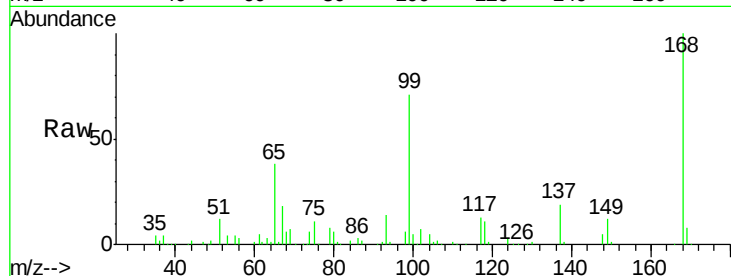
ClientSampleId :

Tot Ion:168 Resp: 159288

Ion Ratio Lower Upper

168 100

99 71.0 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

50000

40000

30000

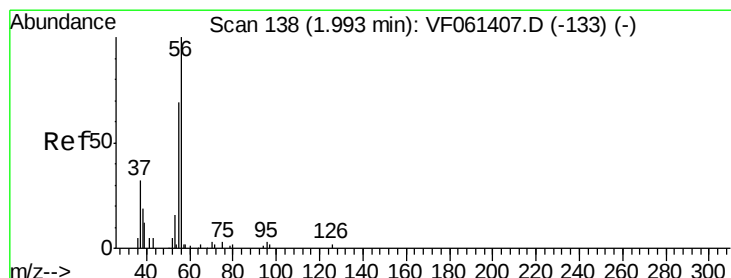
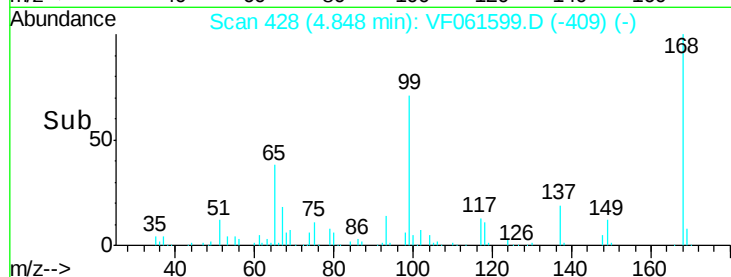
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 14.174 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061599.D

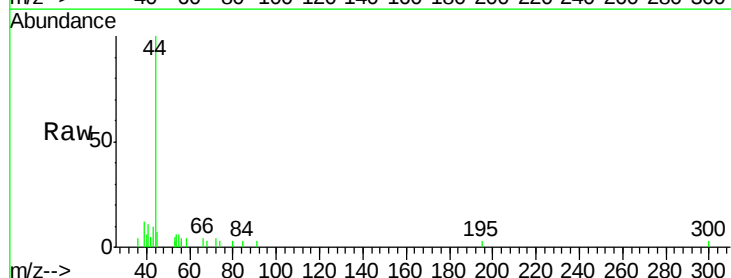
Acq: 11 Feb 2019 21:29

Tgt Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 84.4 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

300

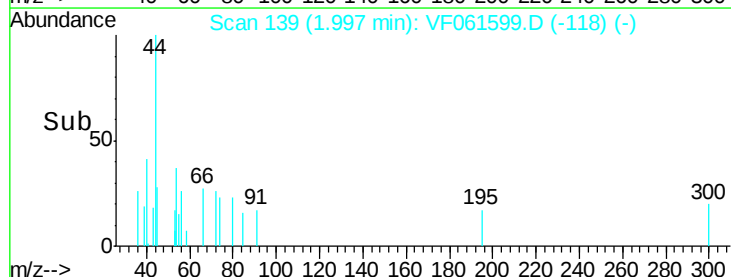
200

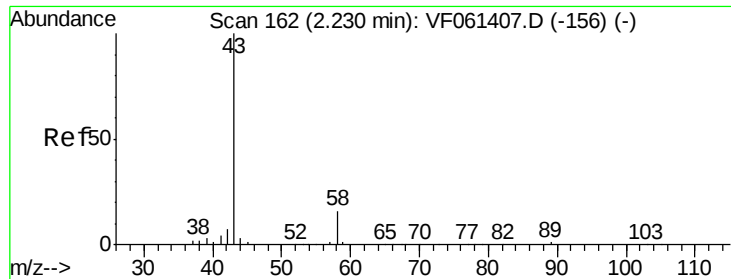
100

0

1.96 1.98 2.00 2.02

Time-->





#16

Acetone

Concen: 59.109 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

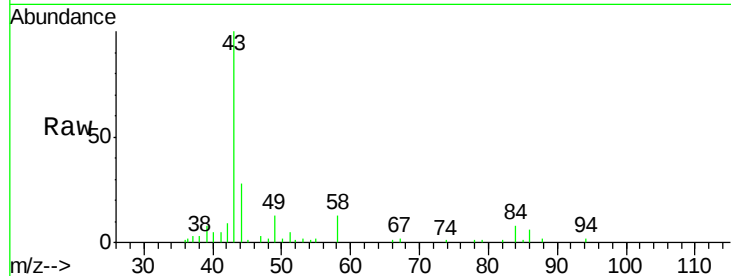
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 23320

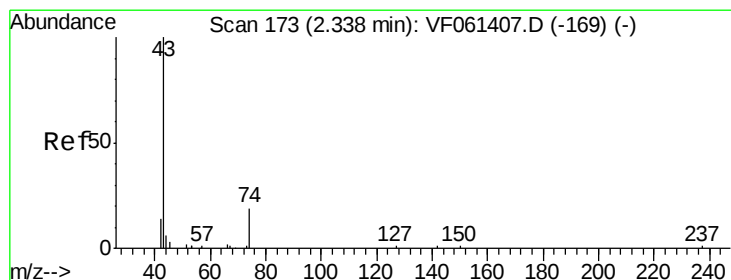
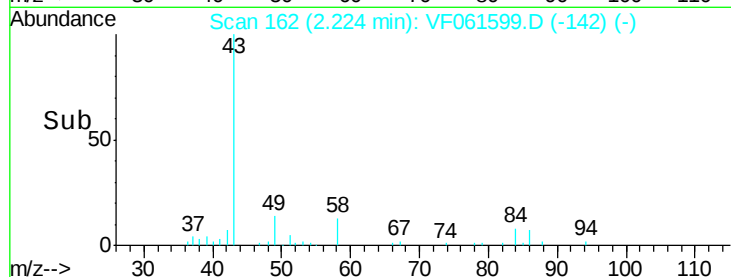
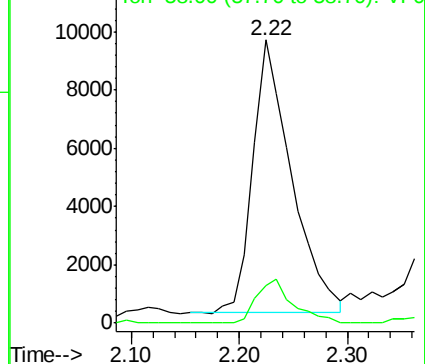
Ion Ratio Lower Upper

43 100

58 13.2 13.3 19.9#



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



#18

Methyl Acetate

Concen: 6.153 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061599.D

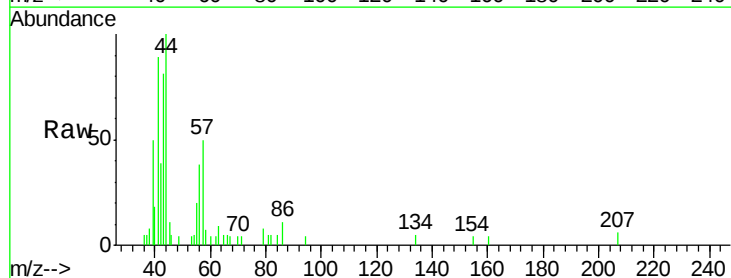
Acq: 11 Feb 2019 21:29

Tgt Ion: 43 Resp: 4814

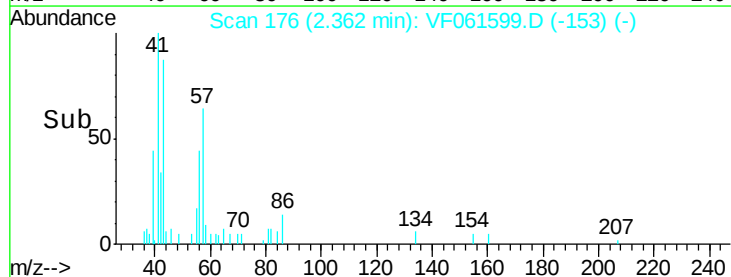
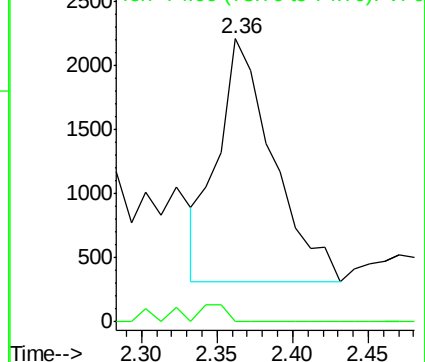
Ion Ratio Lower Upper

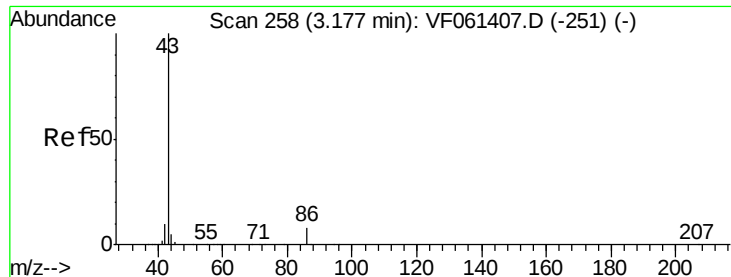
43 100

74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0





#23

Vinyl Acetate

Concen: 3.243 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

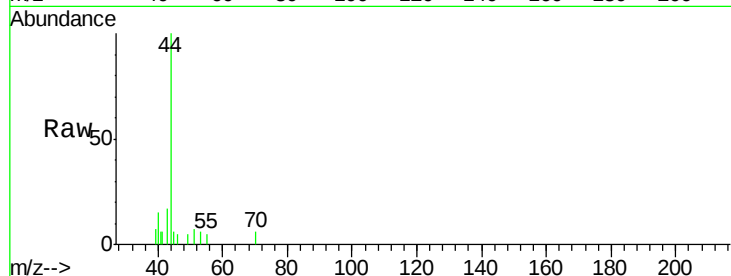
ClientSampleId :

Tot Ion: 43 Resp: 110

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



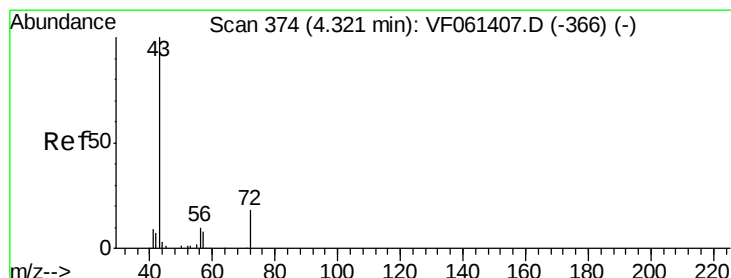
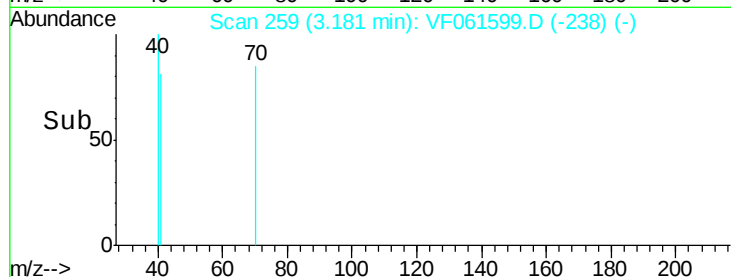
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

3.17 3.18 3.19

Time-->



#25

2-Butanone

Concen: 6.556 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061599.D

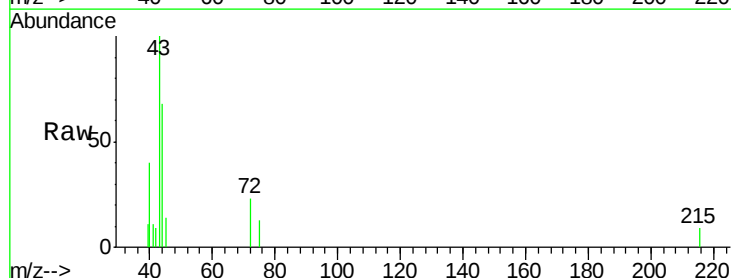
Acq: 11 Feb 2019 21:29

Tgt Ion: 43 Resp: 4301

Ion Ratio Lower Upper

43 100

72 23.3 15.8 23.6



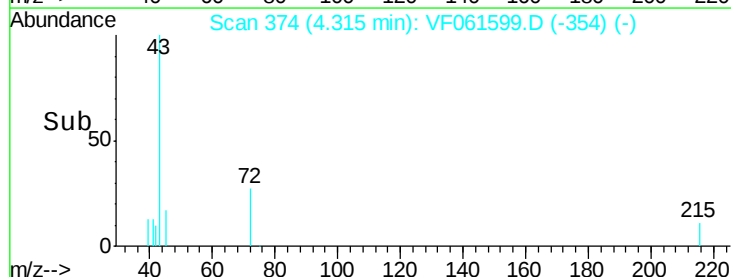
Abundance Ion 43.00 (42.70 to 43.70): VF0

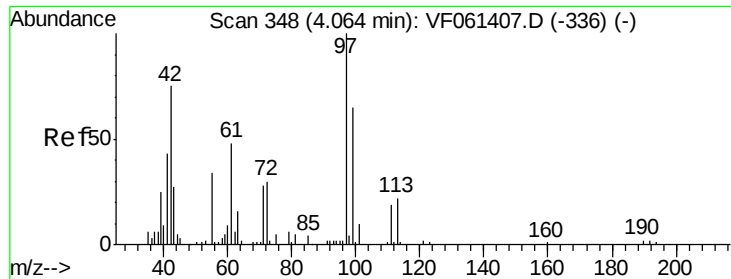
Ion 72.00 (71.70 to 72.70): VF0

4.32

4.25 4.30 4.35 4.40

Time-->

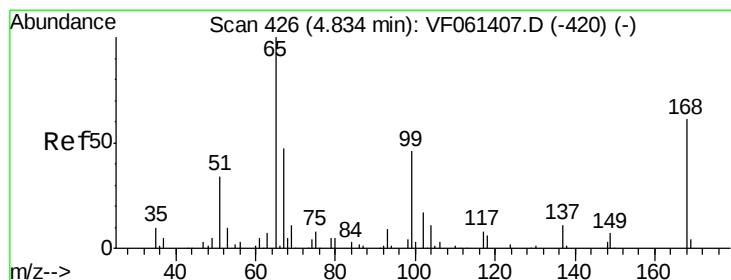
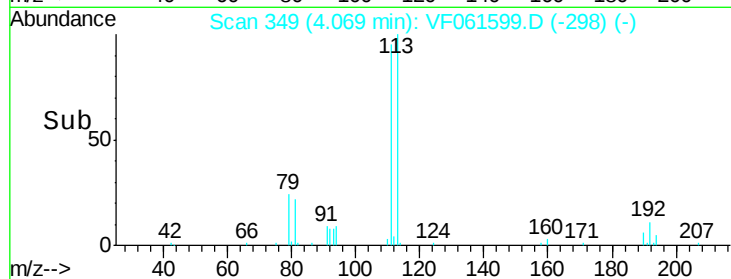
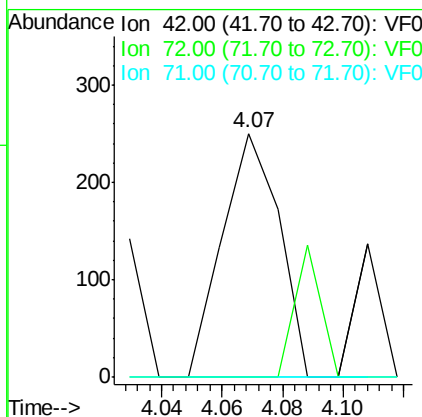
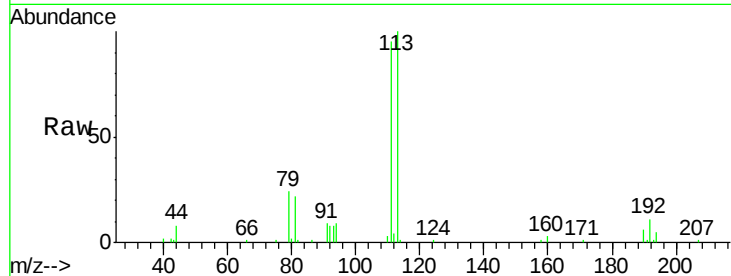




#29
Tetrahydrofuran
Concen: 1.161 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061599.D
Acq: 11 Feb 2019 21:29

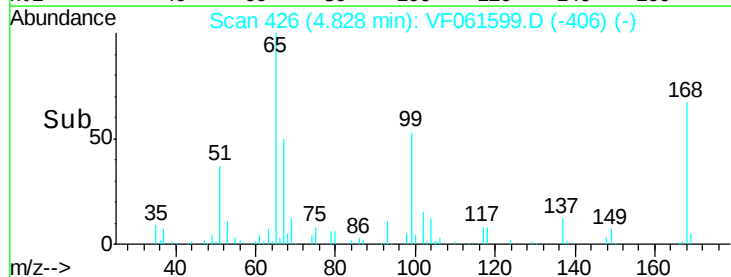
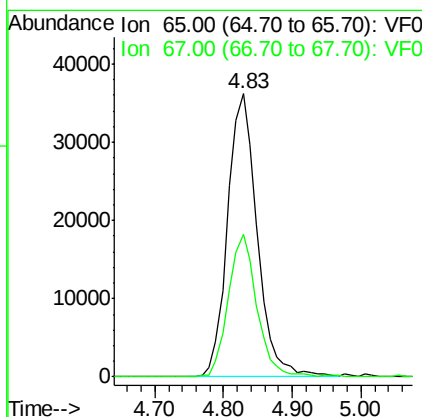
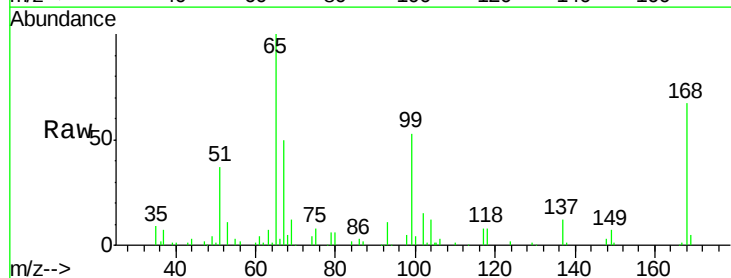
Instrument :
MSVOA_F
ClientSampleId :

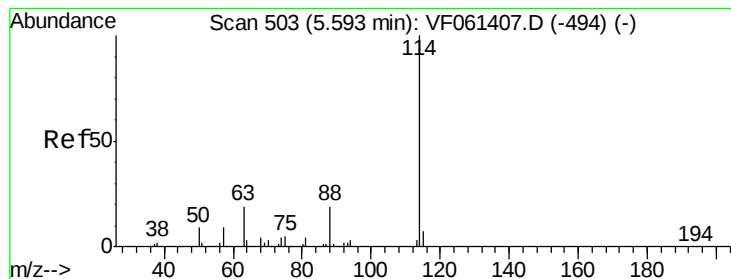
Tot Ion: 42 Resp: 328
Ion Ratio Lower Upper
42 100
72 24.4 28.9 43.3#
71 0.0 29.6 44.4#



#33
1,2-Dichloroethane-d4
Concen: 54.943 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.01 min
Lab File: VF061599.D
Acq: 11 Feb 2019 21:29

Tgt Ion: 65 Resp: 108051
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

ClientSampleId :

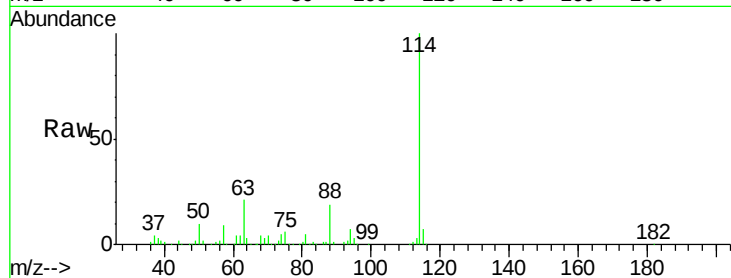
Tot Ion:114 Resp: 283878

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

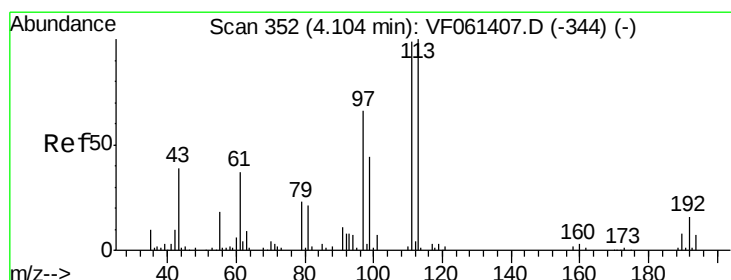
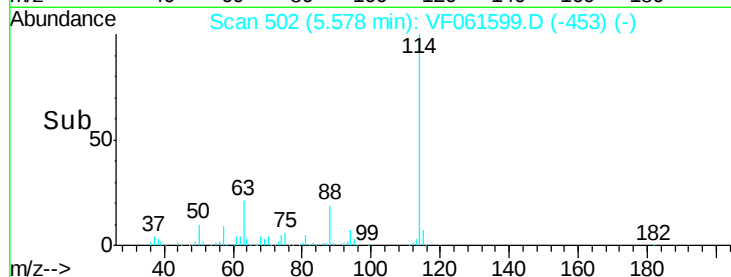
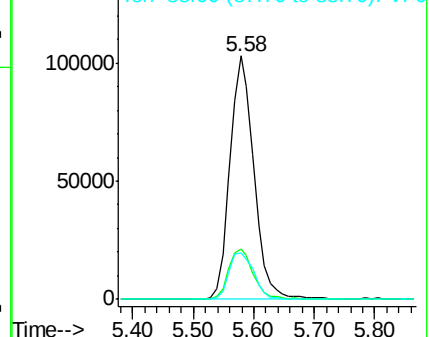
88 19.3 0.0 37.4



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: 48.825 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

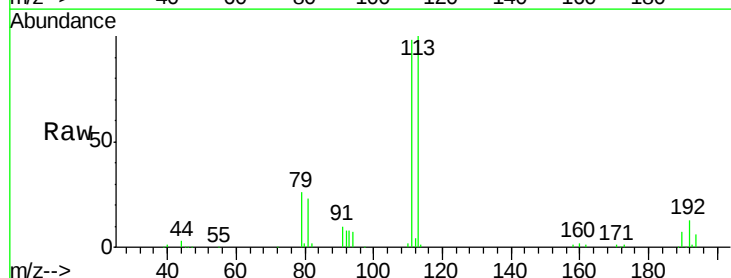
Tgt Ion:113 Resp: 109371

Ion Ratio Lower Upper

113 100

111 97.6 79.4 119.0

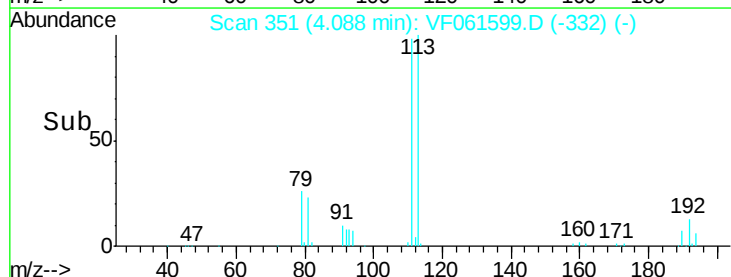
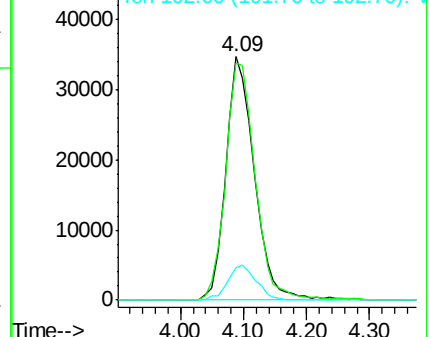
192 13.7 12.4 18.6

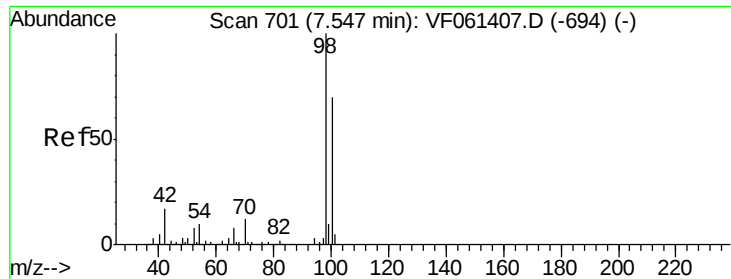


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.212 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

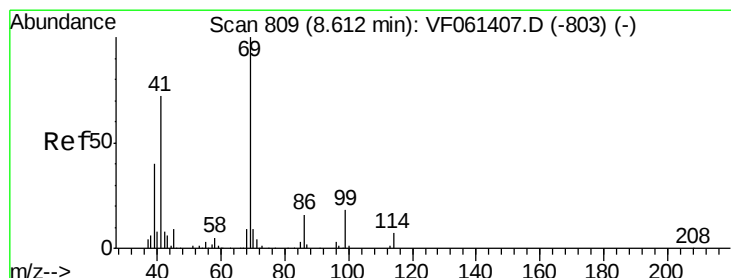
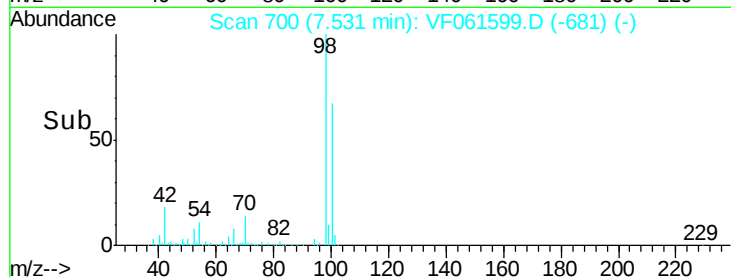
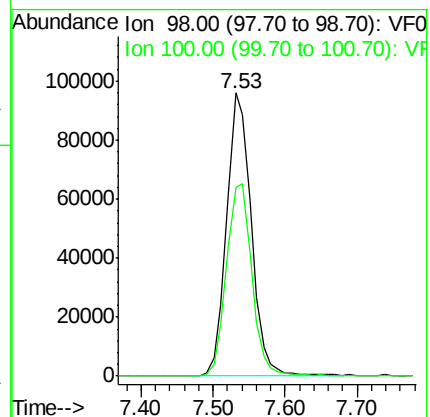
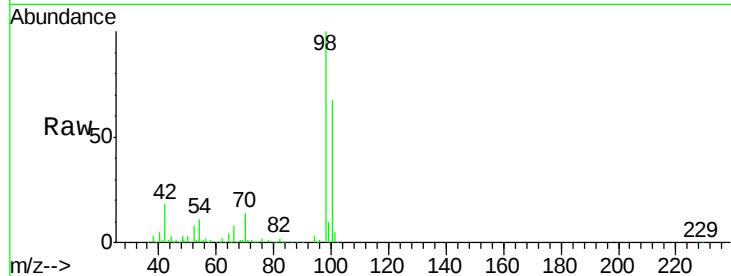
ClientSampleId :

Tot Ion: 98 Resp: 228383

Ion Ratio Lower Upper

98 100

100 66.7 55.6 83.4



#56

Ethyl methacrylate

Concen: 2.763 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

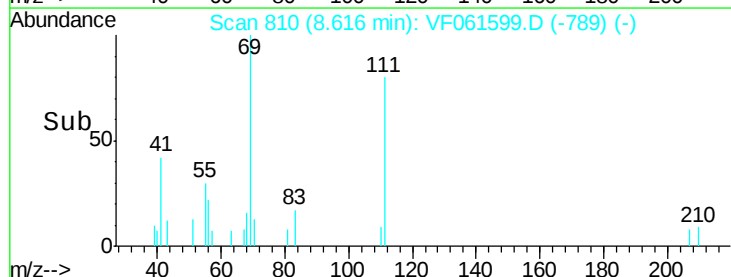
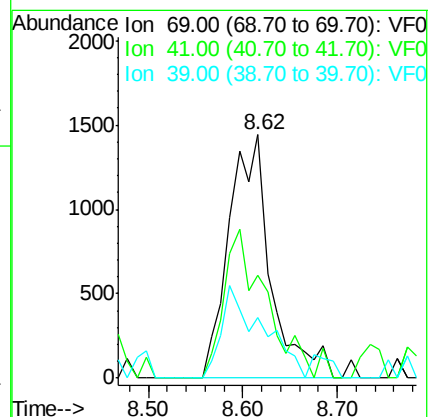
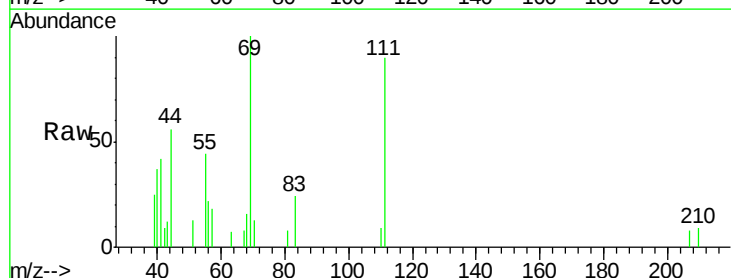
Tgt Ion: 69 Resp: 4402

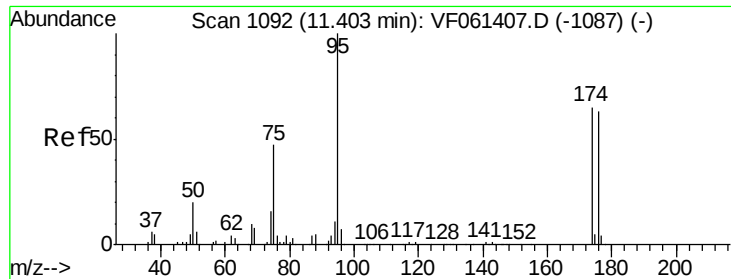
Ion Ratio Lower Upper

69 100

41 42.1 57.5 86.3#

39 24.9 32.0 48.0#





#62

4-Bromofluorobenzene

Concen: 31.657 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

ClientSampleId :

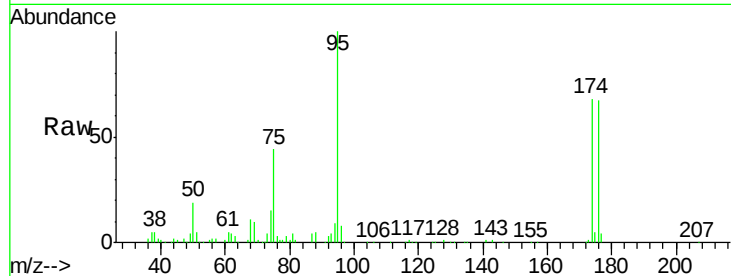
Tot Ion: 95 Resp: 90776

Ion Ratio Lower Upper

95 100

174 68.3 0.0 130.4

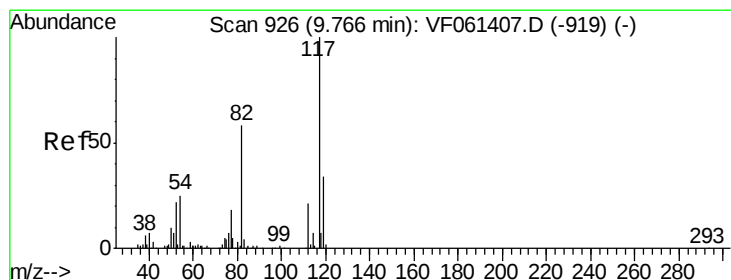
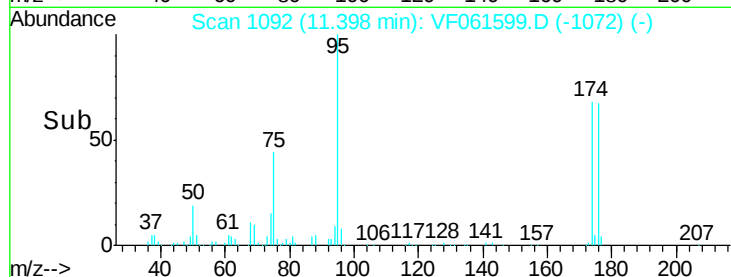
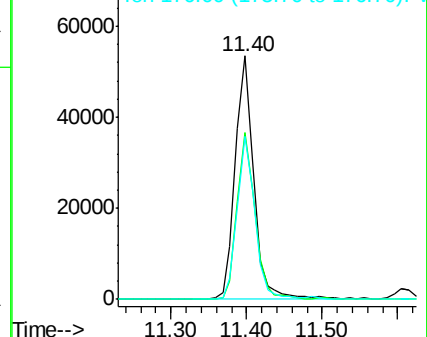
176 66.9 0.0 126.2



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. -0.01 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

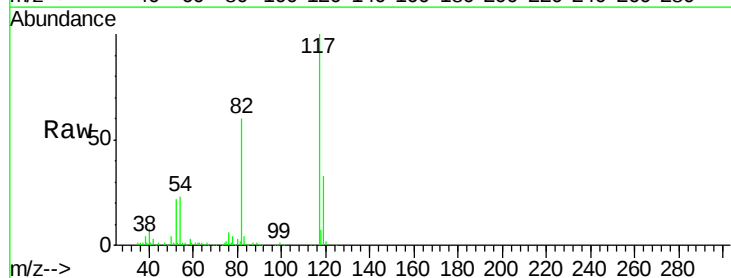
Tgt Ion: 117 Resp: 222940

Ion Ratio Lower Upper

117 100

82 59.9 46.4 69.6

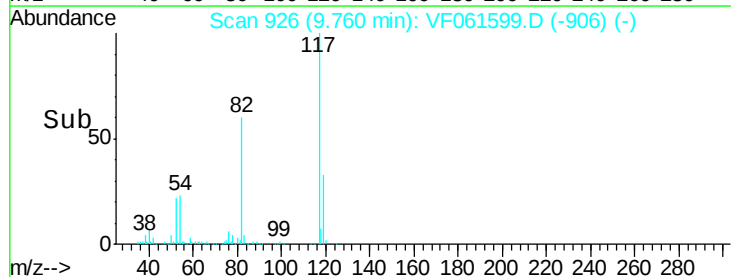
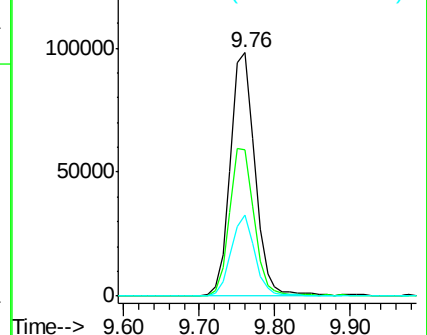
119 33.5 27.2 40.8

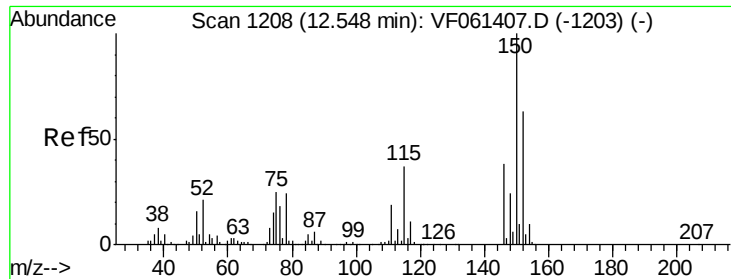


Abundance Ion 117.00 (116.70 to 117.70): VF0

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. -0.01 min

Lab File: VF061599.D

Acq: 11 Feb 2019 21:29

Instrument :

MSVOA_F

ClientSampleId :

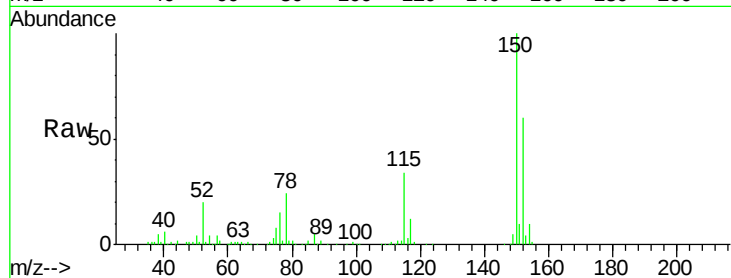
Tot Ion:152 Resp: 72189

Ion Ratio Lower Upper

152 100

115 56.4 30.0 90.0

150 165.9 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

