

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061884.D
 Acq On : 11 Mar 2019 12:30
 Operator : VA/AP
 Sample : VF0311SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0311SBL01

Quant Time: Mar 12 05:07:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	315910	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	456118	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	355578	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	221029	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	113912	49.51	ug/l	-0.01
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	4.11	113	162674	51.11	ug/l	-0.01
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	7.55	98	409601	43.29	ug/l	-0.01
Spiked Amount			Recovery	=	86.58%	
62) 4-Bromofluorobenzene	11.41	95	184969	49.91	ug/l	-0.01
Spiked Amount			Recovery	=	99.82%	

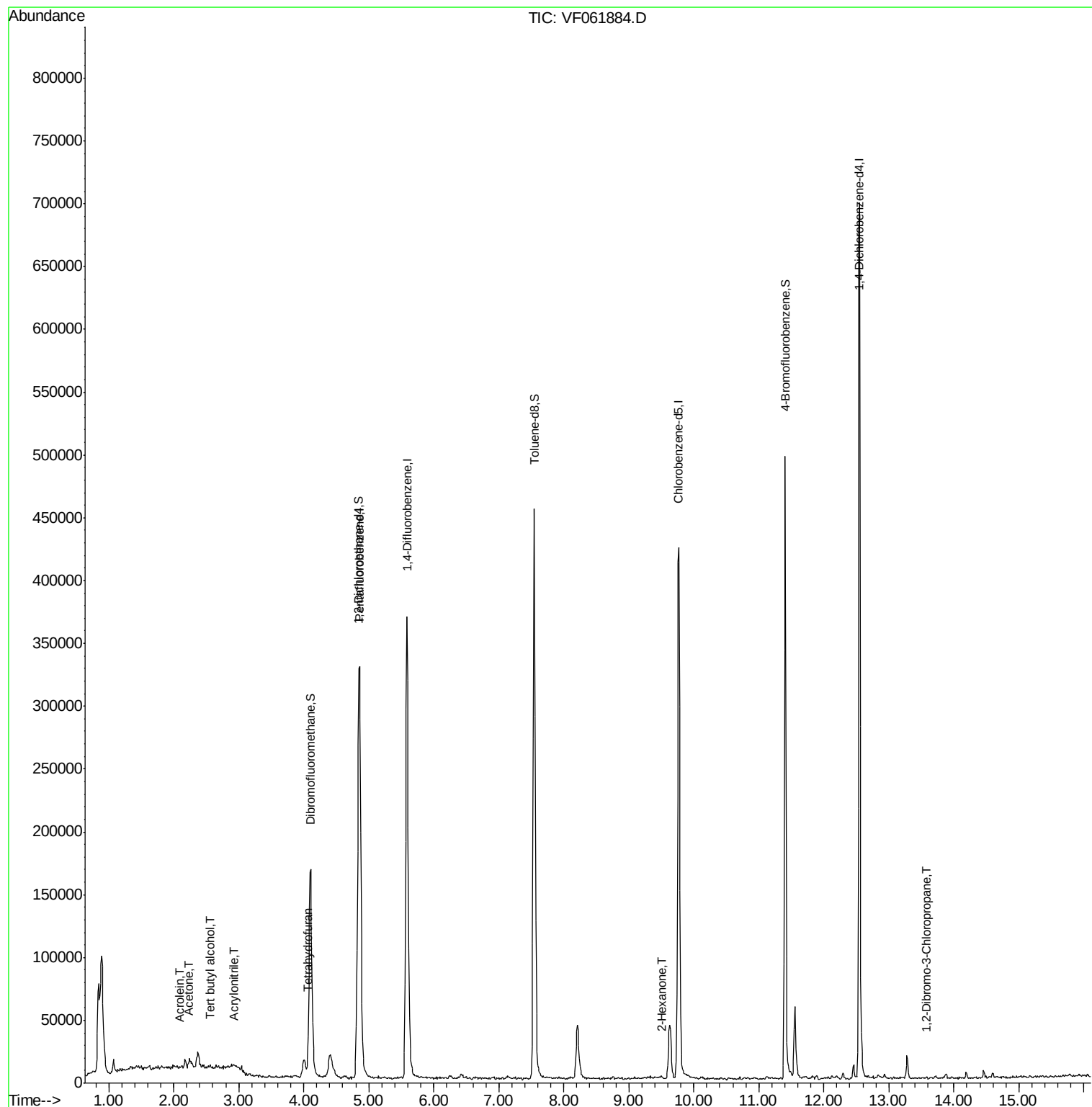
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	188	1.440	ug/l #	64
13) Acrolein	2.09	56	1227	7.416	ug/l	96
15) Acrylonitrile	2.93	53	416	1.000	ug/l #	1
16) Acetone	2.22	43	2605	5.406	ug/l #	89
18) Methyl Acetate	2.37	43	6840	Below Cal	#	62
20) Methylene Chloride	2.18	84	3638	Below Cal	#	75
29) Tetrahydrofuran	4.06	42	447	1.057	ug/l #	57
59) 2-Hexanone	9.49	43	1639	1.475	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.58	75	83	3.942	ug/l #	1

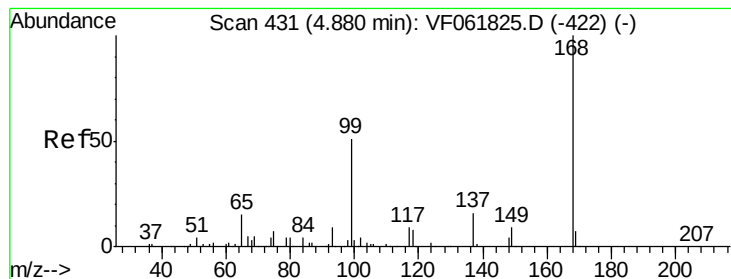
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
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Acq On : 11 Mar 2019 12:30
Operator : VA/AP
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Misc : 5.00µg/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VF0311SBL01

Quant Time: Mar 12 05:07:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

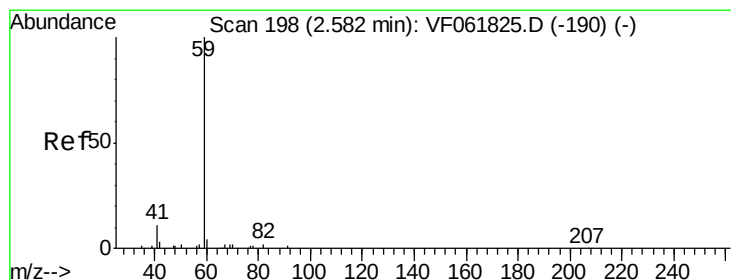
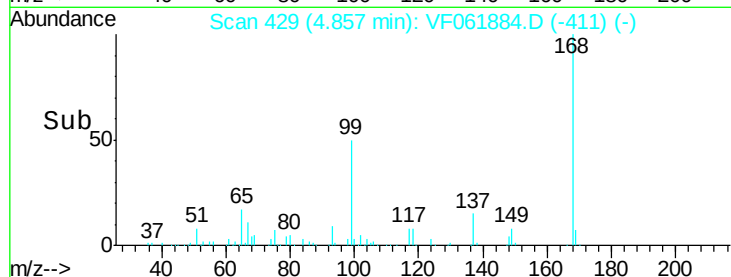
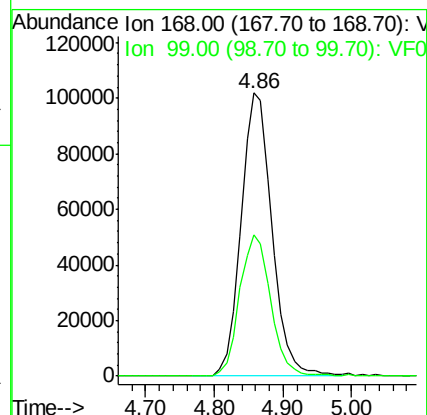
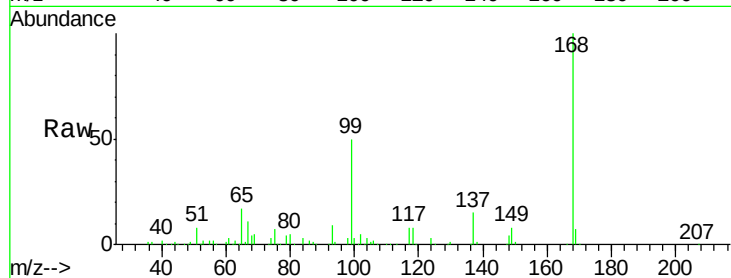
VF0311SBL01

Tot Ion:168 Resp: 315910

Ion Ratio Lower Upper

168 100

99 49.8 40.8 61.2



#11

Tert butyl alcohol

Concen: 1.440 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061884.D

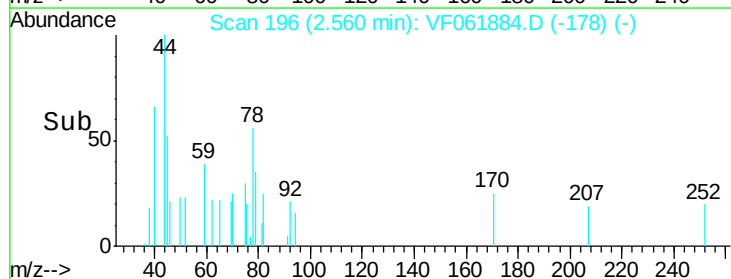
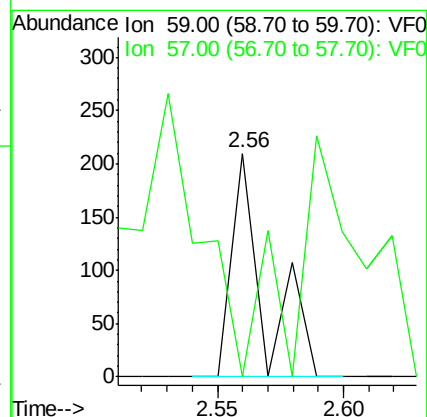
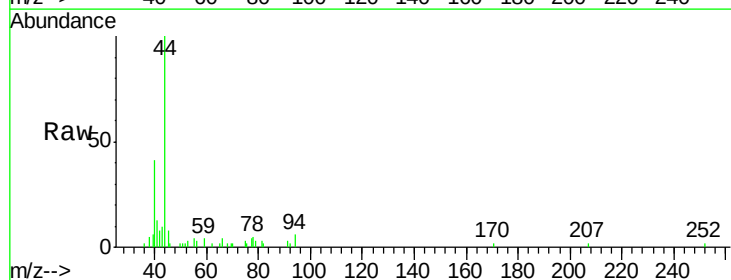
Acq: 11 Mar 2019 12:30

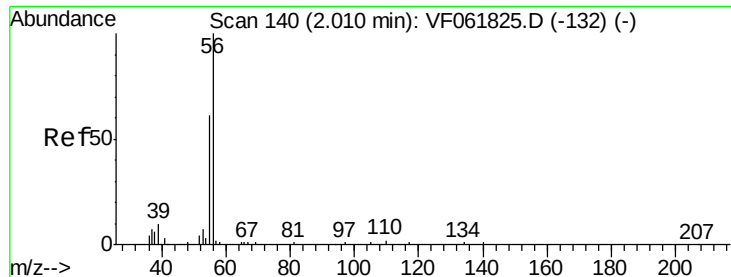
Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 0.0 11.8 17.6#





#13

Acrolein

Concen: 7.416 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.08 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

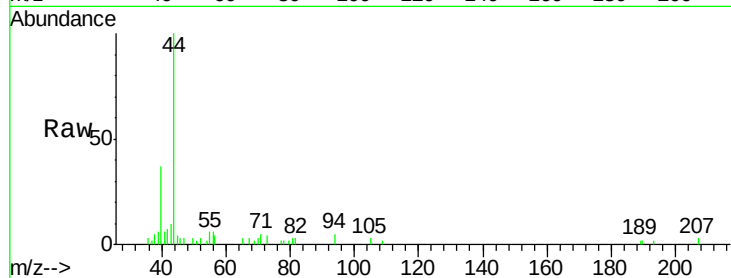
VF0311SBL01

Tot Ion: 56 Resp: 1227

Ion Ratio Lower Upper

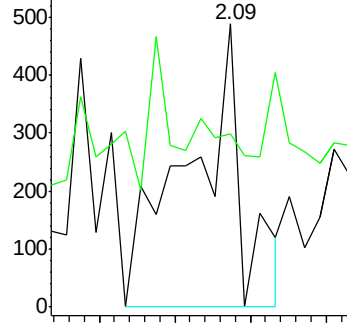
56 100

55 61.1 51.3 76.9

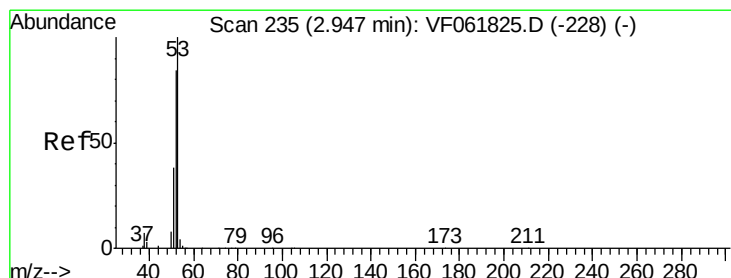
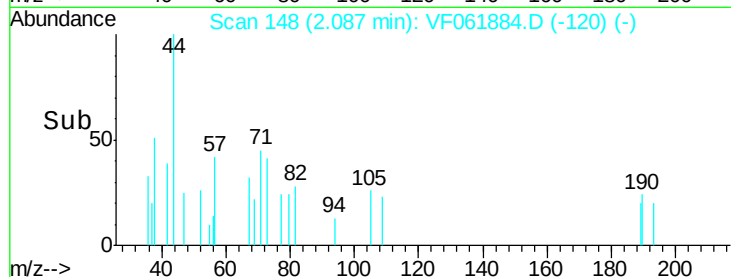


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.000 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

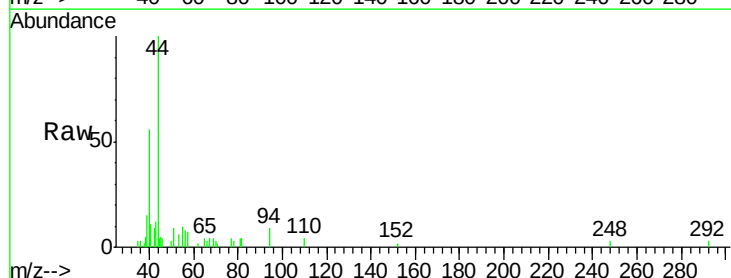
Tgt Ion: 53 Resp: 416

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

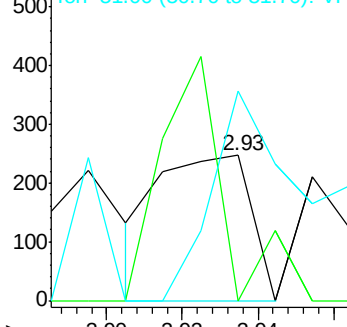
51 144.1 30.7 46.1#



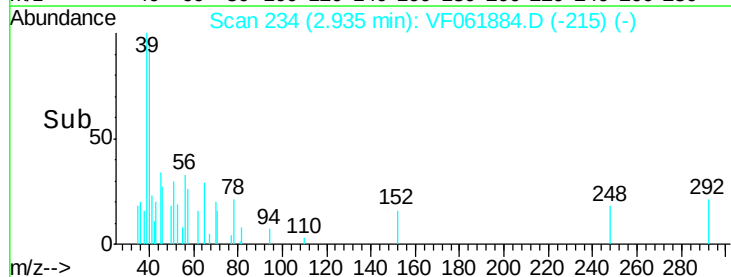
Abundance Ion 53.00 (52.70 to 53.70): VF0

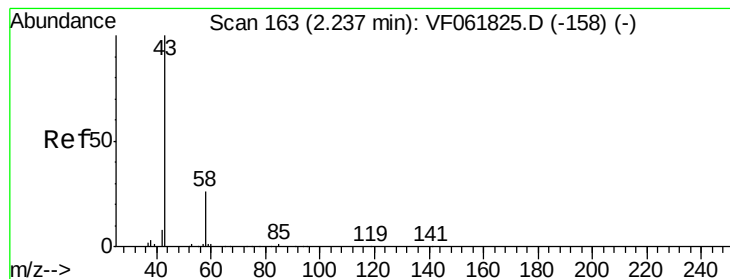
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 5.406 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

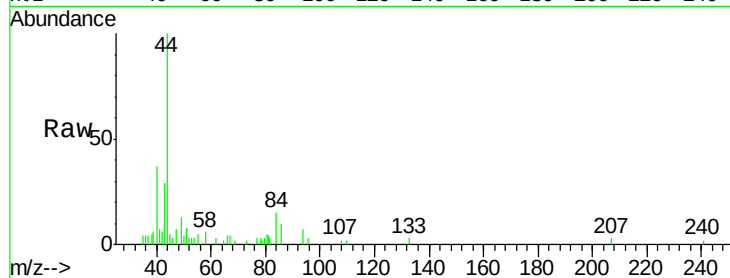
VF0311SBL01

Tot Ion: 43 Resp: 2605

Ion Ratio Lower Upper

43 100

58 19.8 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

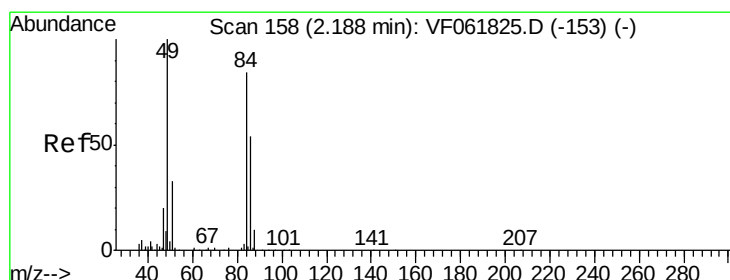
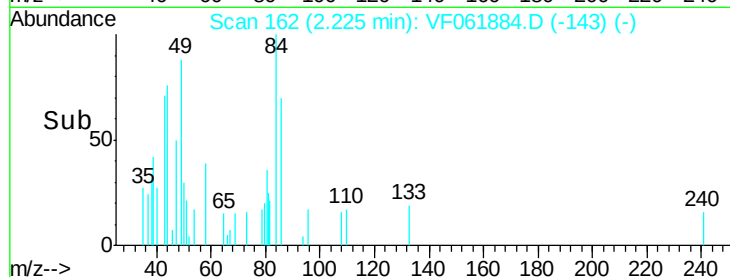
1000

500

0

2.20 2.25 2.30

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Tgt Ion: 84 Resp: 3638

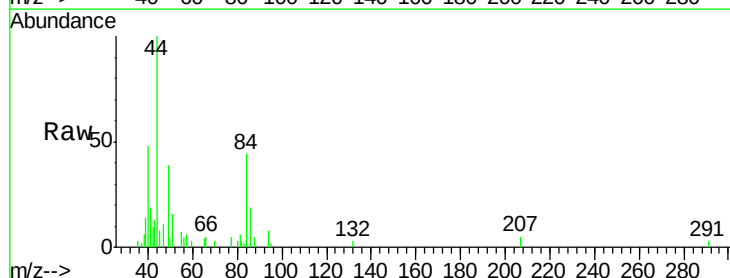
Ion Ratio Lower Upper

84 100

49 87.6 96.8 145.2#

51 36.4 31.8 47.6

86 42.4 51.6 77.4#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3000

2500

2000

1500

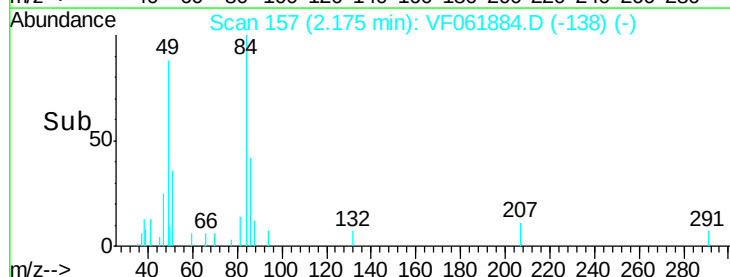
1000

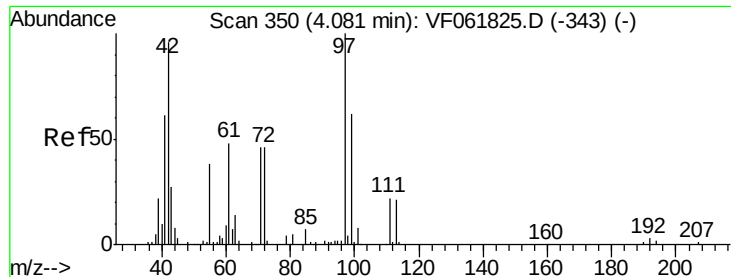
500

0

2.10 2.15 2.20

Time-->





#29

Tetrahydrofuran

Concen: 1.057 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampled :

VF0311SBL01

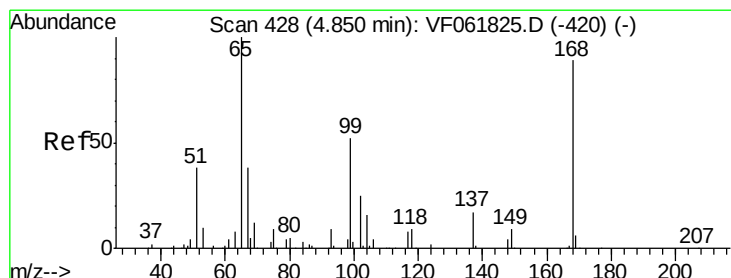
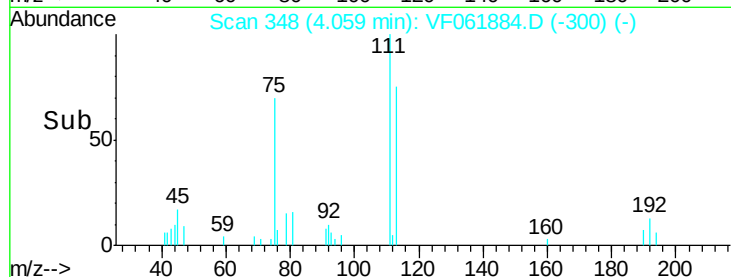
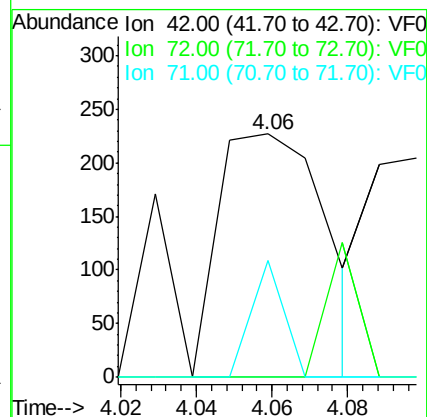
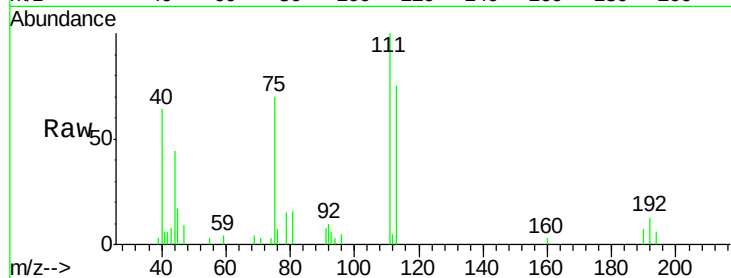
Tot Ion: 42 Resp: 447

Ion Ratio Lower Upper

42 100

72 16.8 34.4 51.6#

71 14.3 34.6 52.0#



#33

1,2-Dichloroethane-d4

Concen: 49.514 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061884.D

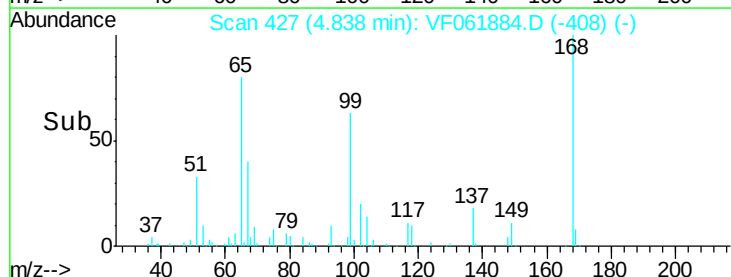
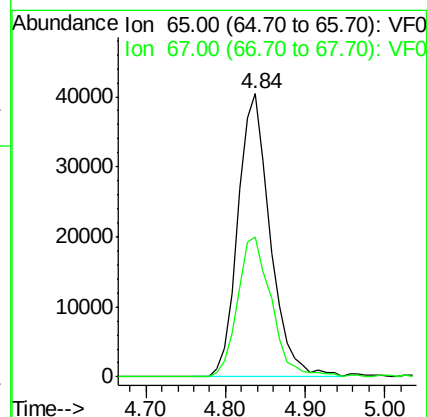
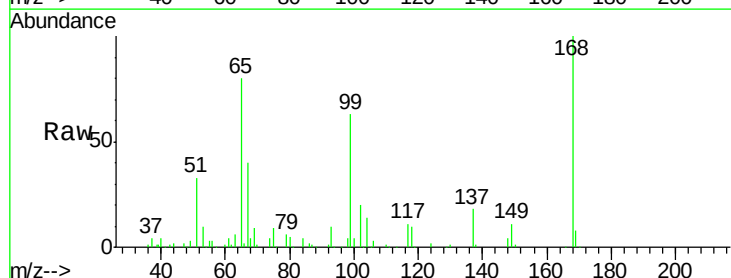
Acq: 11 Mar 2019 12:30

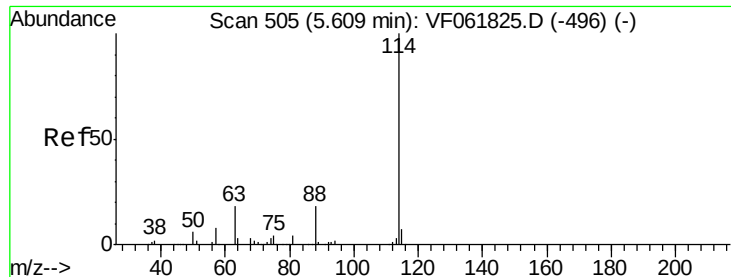
Tgt Ion: 65 Resp: 113912

Ion Ratio Lower Upper

65 100

67 49.6 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0311SBL01

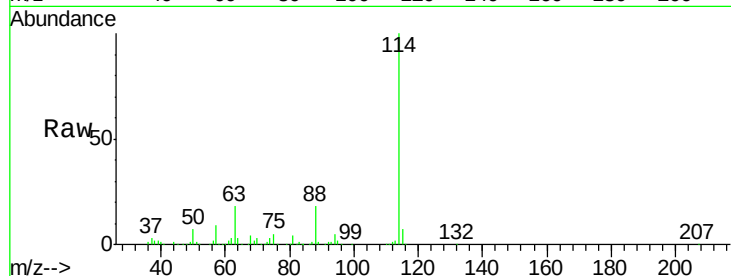
Tot Ion:114 Resp: 456118

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

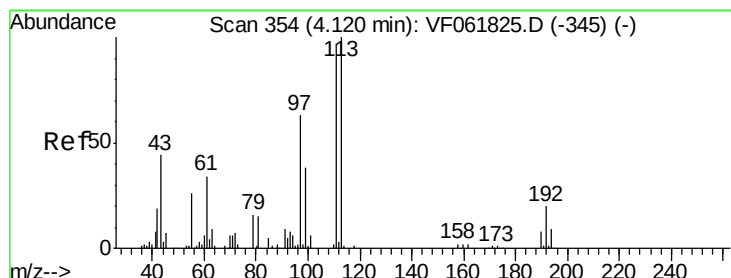
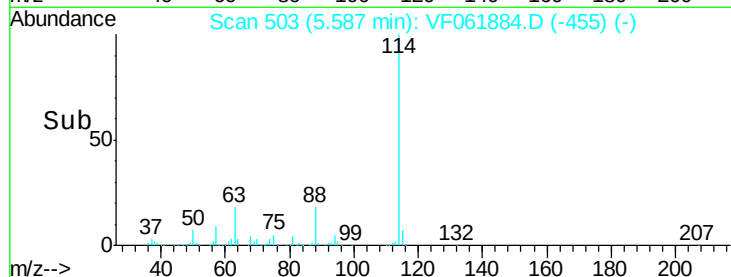
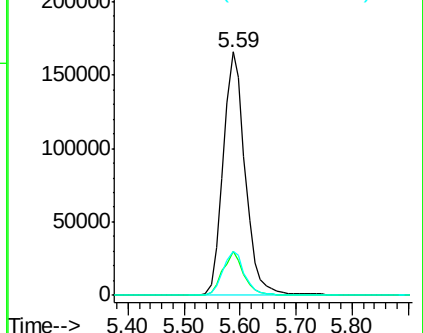
88 18.0 0.0 35.6



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: 51.105 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

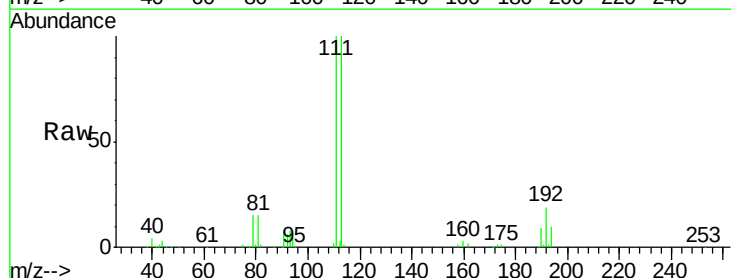
Tgt Ion:113 Resp: 162674

Ion Ratio Lower Upper

113 100

111 99.8 77.6 116.4

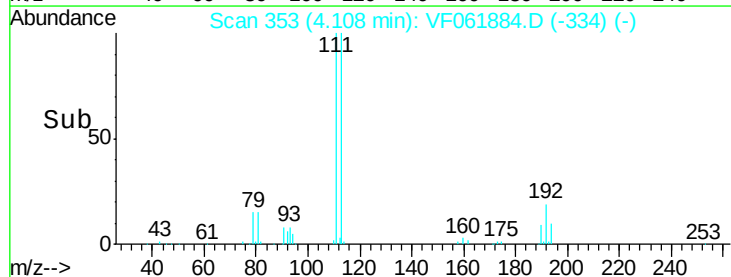
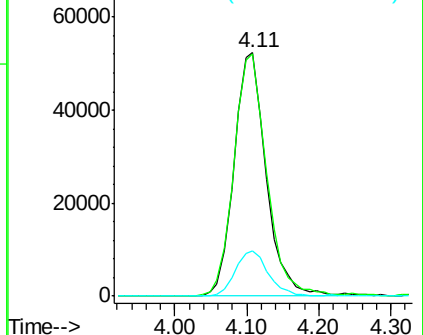
192 18.8 15.9 23.9

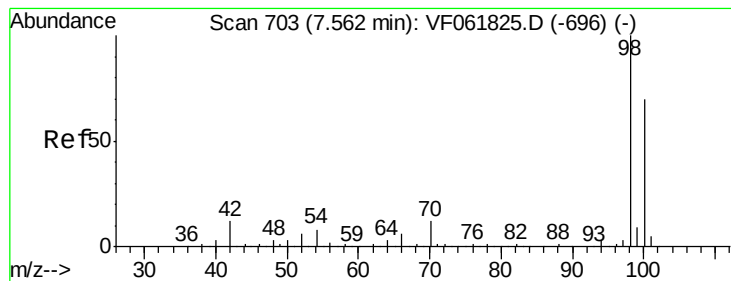


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 43.293 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

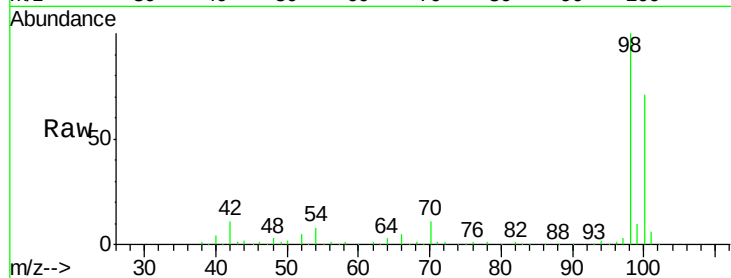
VF0311SBL01

Tot Ion: 98 Resp: 409601

Ion Ratio Lower Upper

98 100

100 71.5 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200000

150000

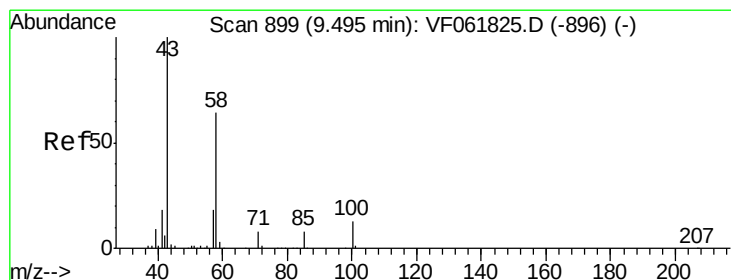
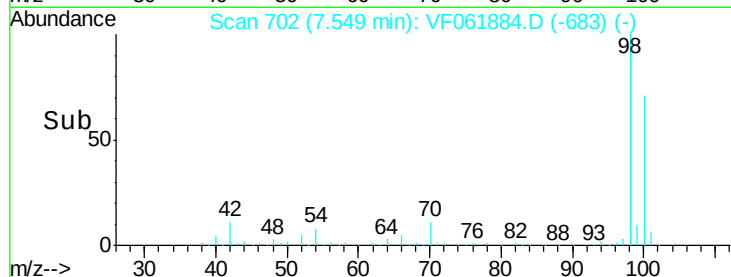
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#59

2-Hexanone

Concen: 1.475 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF061884.D

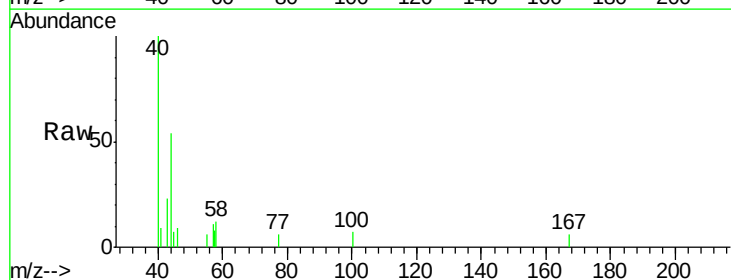
Acq: 11 Mar 2019 12:30

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

58 51.8 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

500

400

300

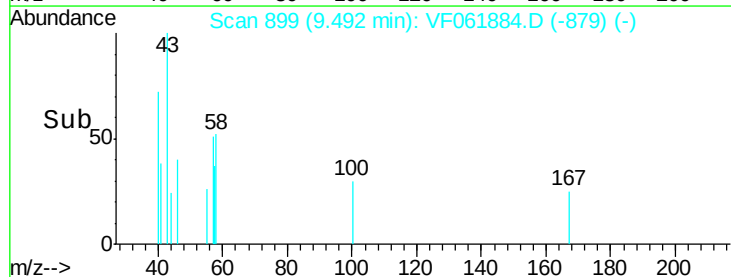
200

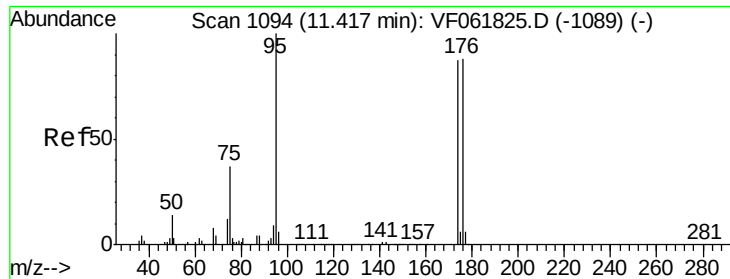
100

0

9.45 9.50 9.55

Time-->





#62

4-Bromofluorobenzene

Concen: 49.908 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0311SBL01

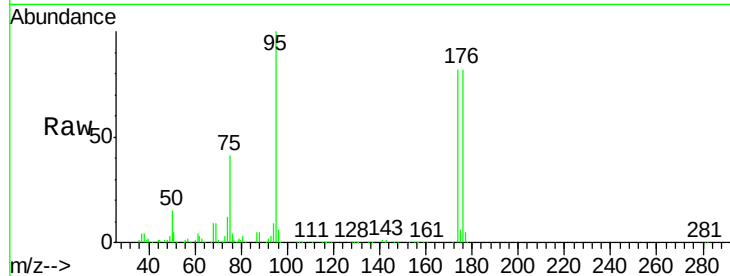
Tot Ion: 95 Resp: 184969

Ion Ratio Lower Upper

95 100

174 82.5 0.0 174.0

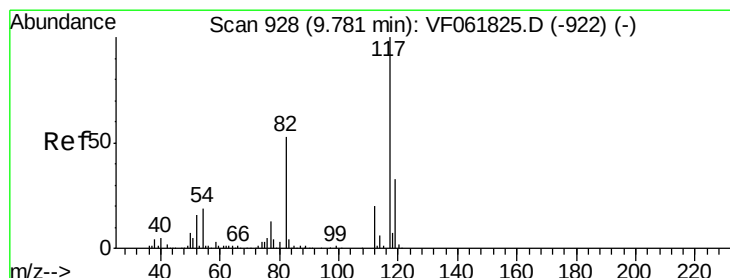
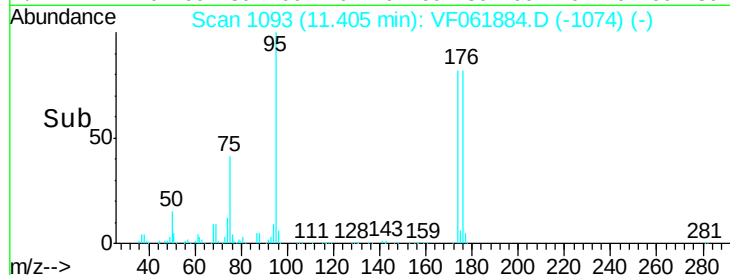
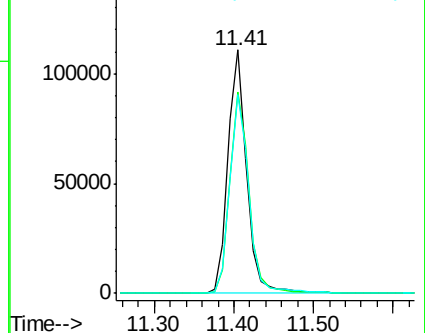
176 81.8 0.0 175.2



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: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

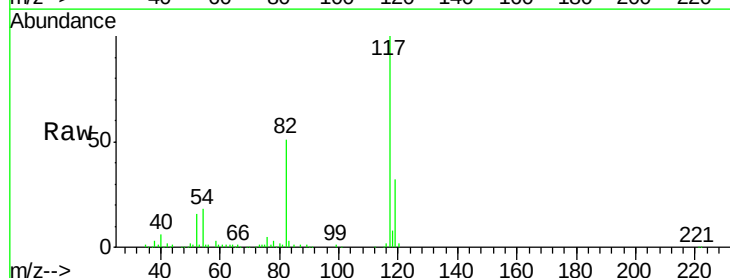
Tgt Ion: 117 Resp: 355578

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

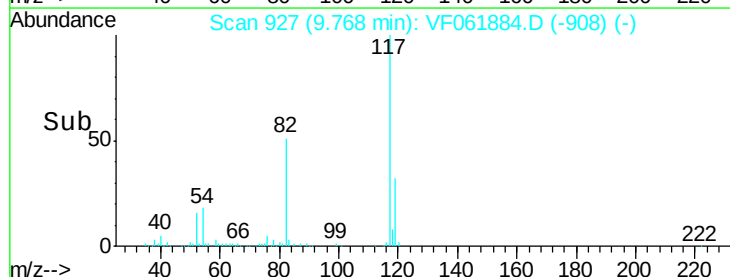
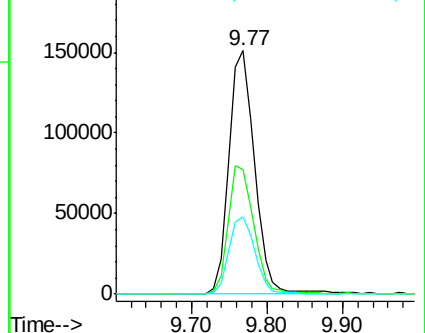
119 31.7 26.0 39.0

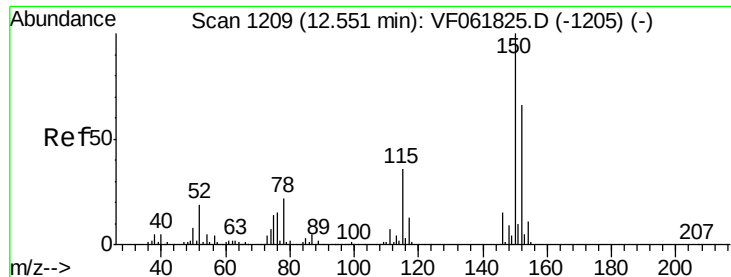


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0311SBL01

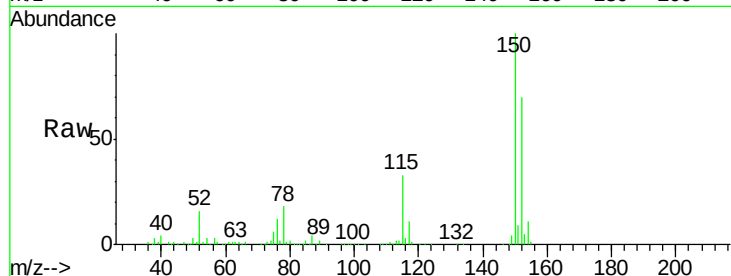
Tot Ion:152 Resp: 221029

Ion Ratio Lower Upper

152 100

115 46.6 27.7 83.1

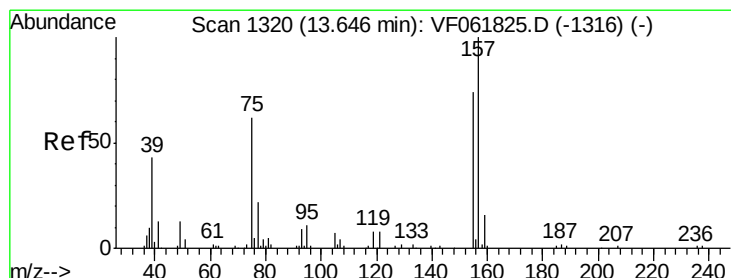
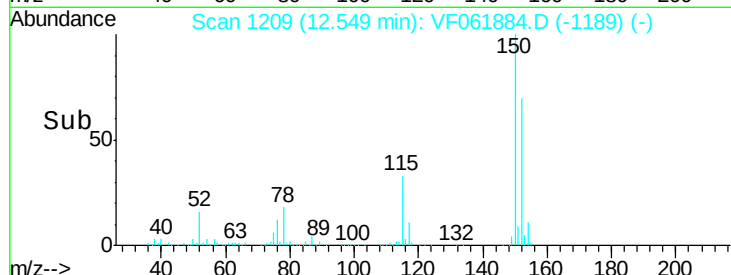
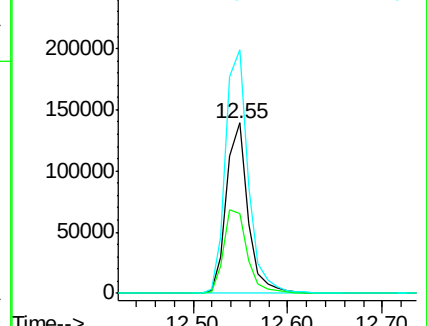
150 142.7 0.0 304.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.942 ug/l

RT: 13.58 min Scan# 1314

Delta R.T. -0.06 min

Lab File: VF061884.D

Acq: 11 Mar 2019 12:30

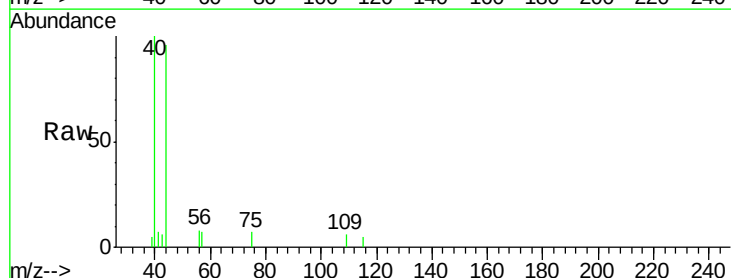
Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

