

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061857.D
 Acq On : 5 Mar 2019 20:56
 Operator : VA/AP
 Sample : VIBLK
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 05:46:24 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	297020	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	467085	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	383967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	224698	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	116973	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	4.11	113	173132	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	7.55	98	458926	47.37	ug/l	-0.02
Spiked Amount			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.41	95	197278	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

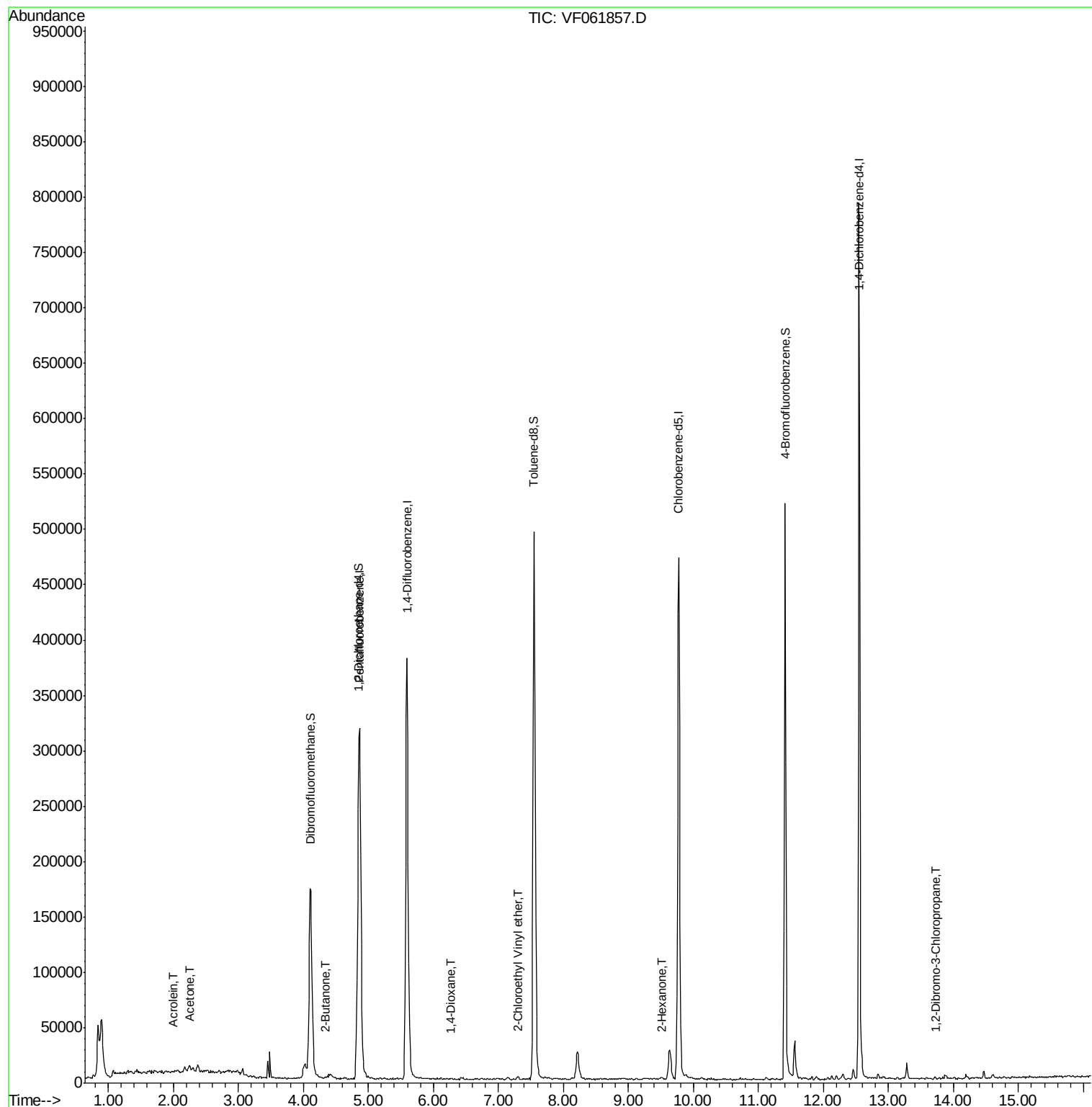
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	280	1.800	ug/l #	1
16) Acetone	2.25	43	2813	6.208	ug/l #	50
18) Methyl Acetate	2.38	43	5563	Below Cal	#	62
20) Methylene Chloride	2.18	84	1806	Below Cal		86
25) 2-Butanone	4.35	43	1484	1.610	ug/l #	56
49) 1,4-Dioxane	6.26	88	88	6.663	ug/l #	24
58) 2-Chloroethyl Vinyl ether	7.30	63	1696	4.839	ug/l #	44
59) 2-Hexanone	9.51	43	1703	1.496	ug/l #	44
92) 1,2-Dibromo-3-Chloropropan	13.71	75	67	3.906	ug/l #	1

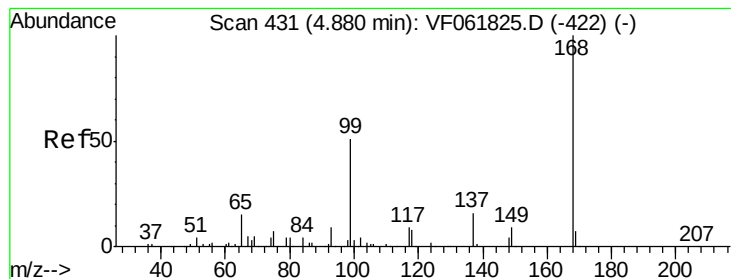
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

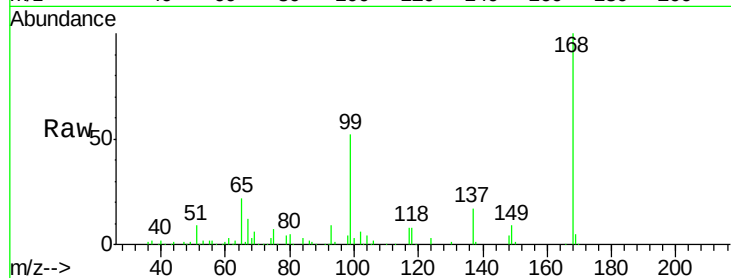
VIBLK

Tot Ion:168 Resp: 297020

Ion Ratio Lower Upper

168 100

99 51.8 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

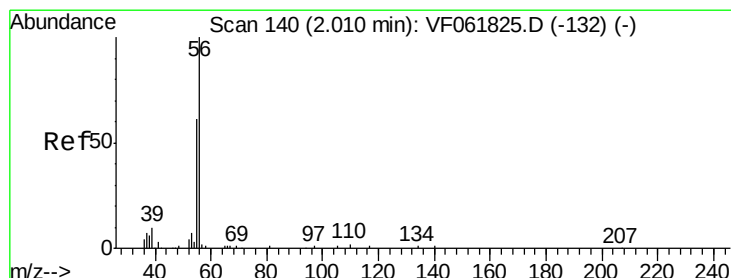
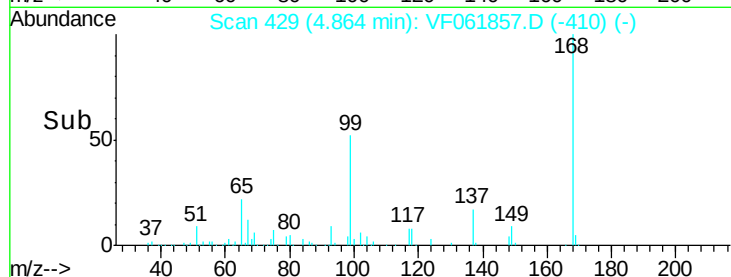
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 1.800 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061857.D

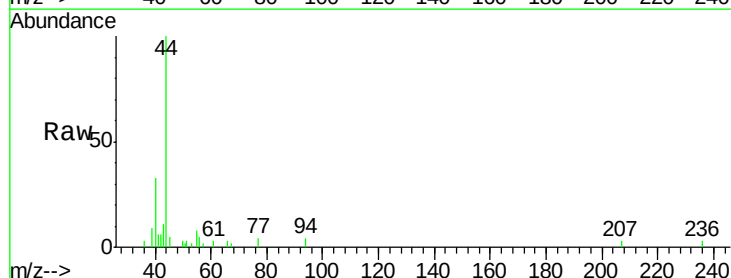
Acq: 5 Mar 2019 20:56

Tgt Ion: 56 Resp: 280

Ion Ratio Lower Upper

56 100

55 171.9 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

400

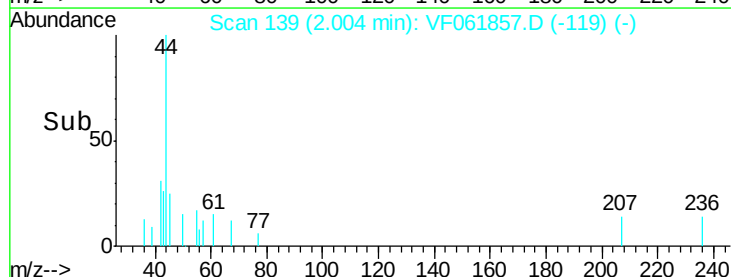
300

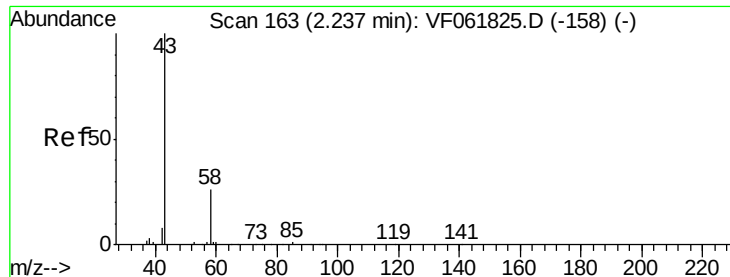
200

100

0

Time--> 1.98 2.00 2.02





#16

Acetone

Concen: 6.208 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampled :

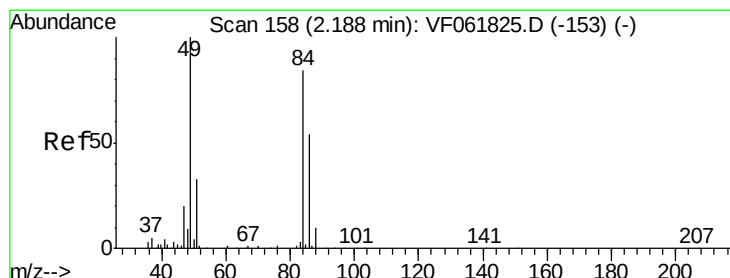
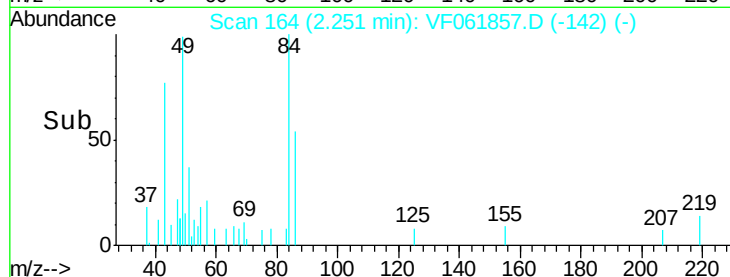
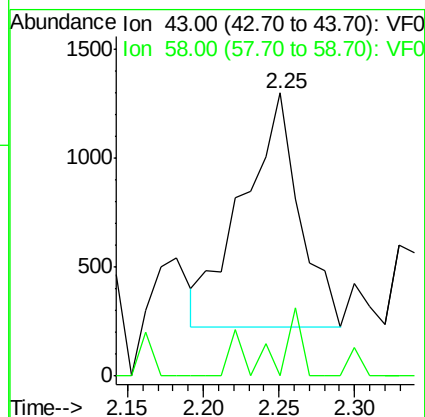
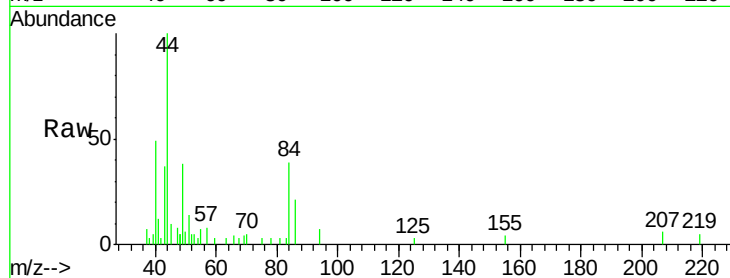
VIBLK

Tot Ion: 43 Resp: 2813

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Tgt Ion: 84 Resp: 1806

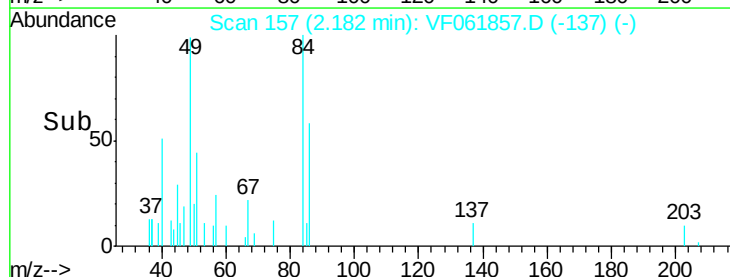
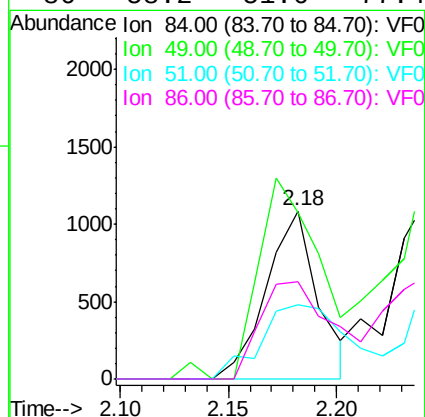
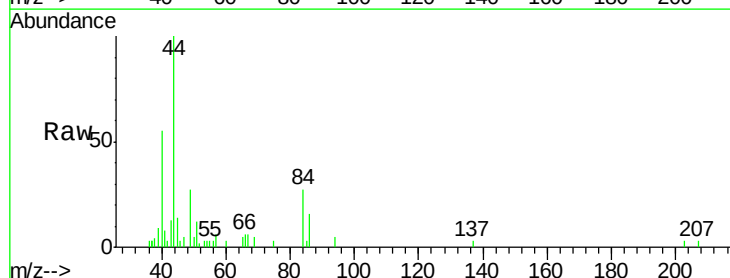
Ion Ratio Lower Upper

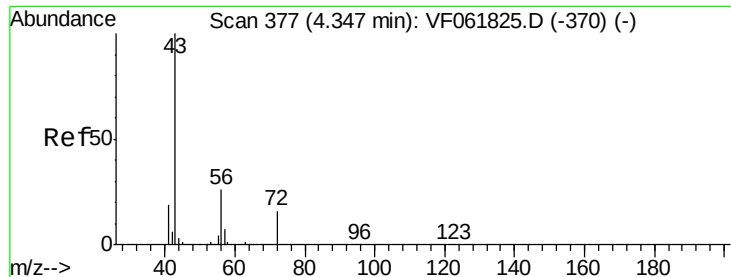
84 100

49 99.3 96.8 145.2

51 44.2 31.8 47.6

86 58.2 51.6 77.4





#25

2-Butanone

Concen: 1.610 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

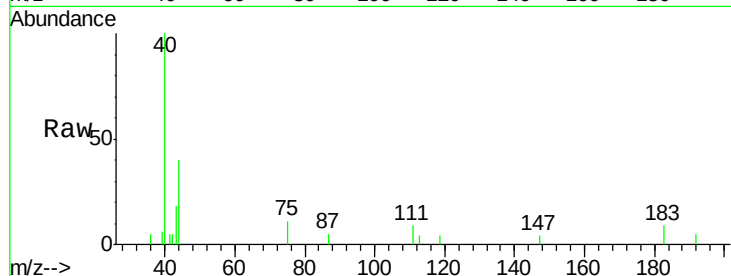
VIBLK

Tot Ion: 43 Resp: 1484

Ion Ratio Lower Upper

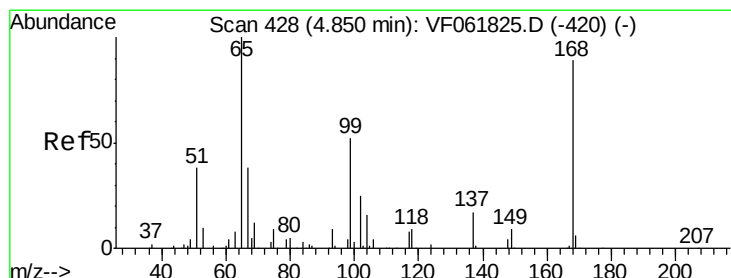
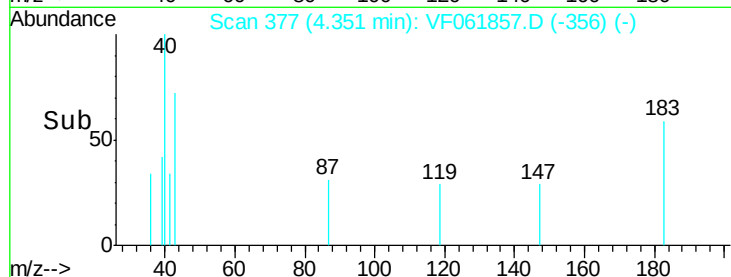
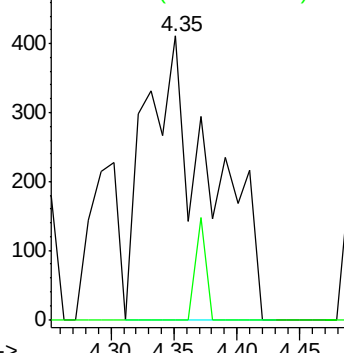
43 100

72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.078 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061857.D

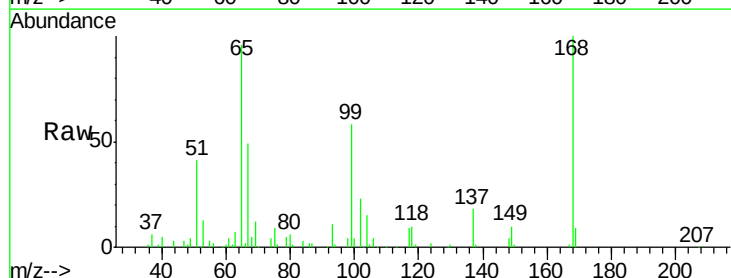
Acq: 5 Mar 2019 20:56

Tgt Ion: 65 Resp: 116973

Ion Ratio Lower Upper

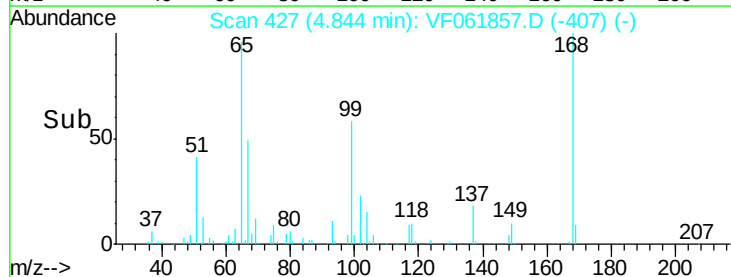
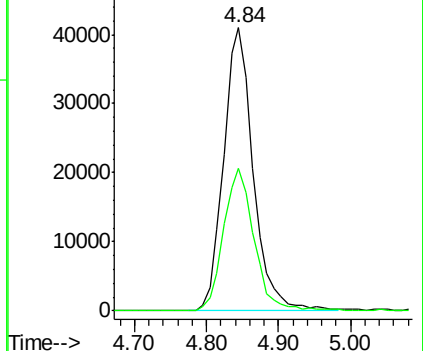
65 100

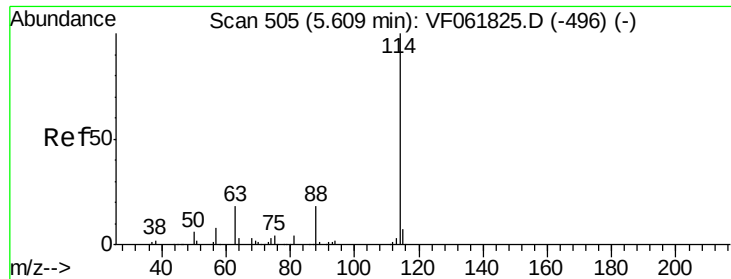
67 50.6 0.0 108.6



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: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

VIBLK

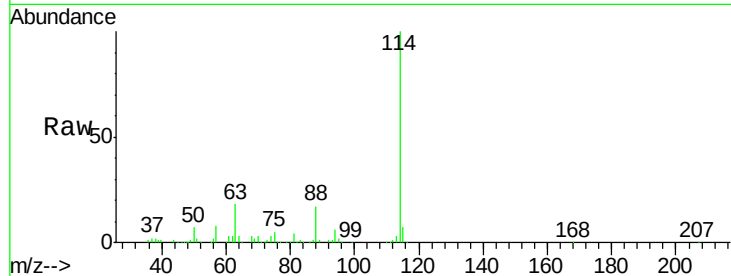
Tot Ion:114 Resp: 467085

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

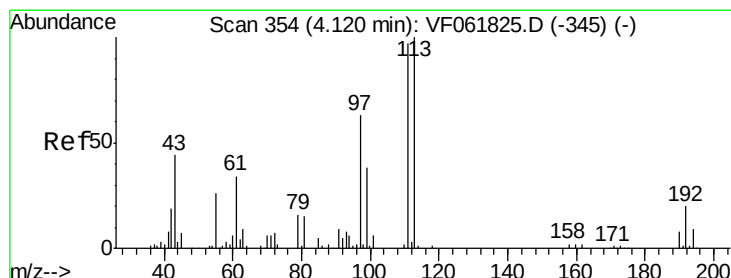
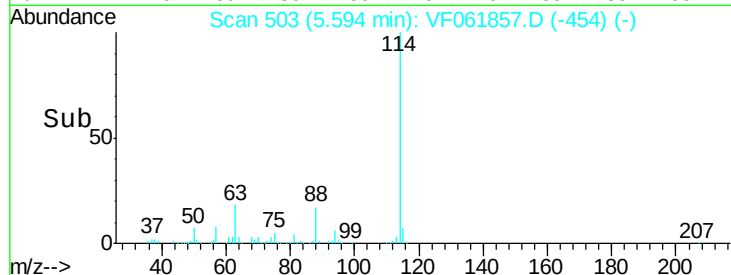
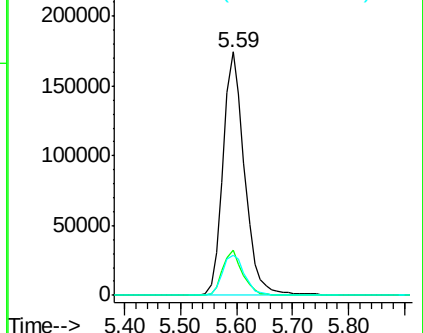
88 16.6 0.0 35.6



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: 53.114 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

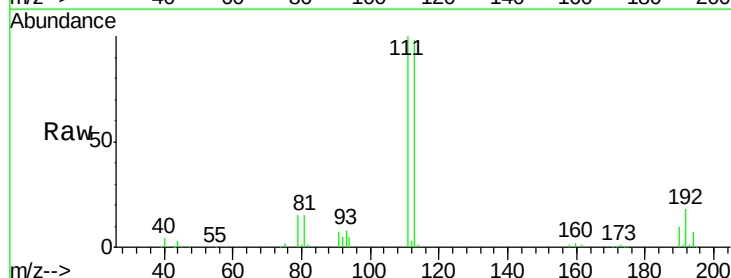
Tgt Ion:113 Resp: 173132

Ion Ratio Lower Upper

113 100

111 101.7 77.6 116.4

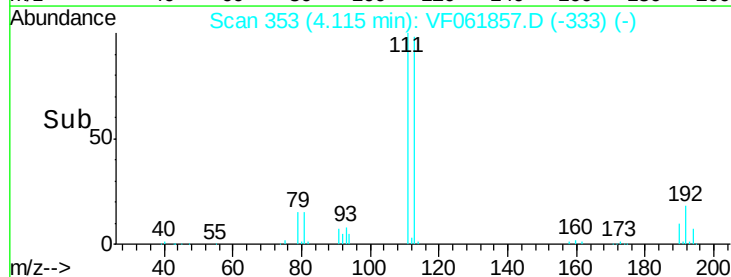
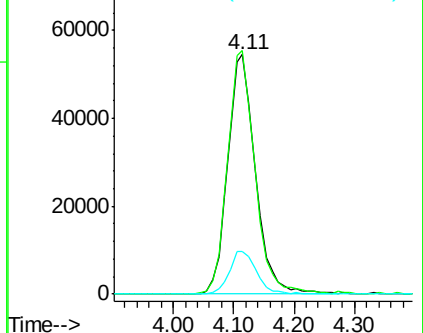
192 18.0 15.9 23.9

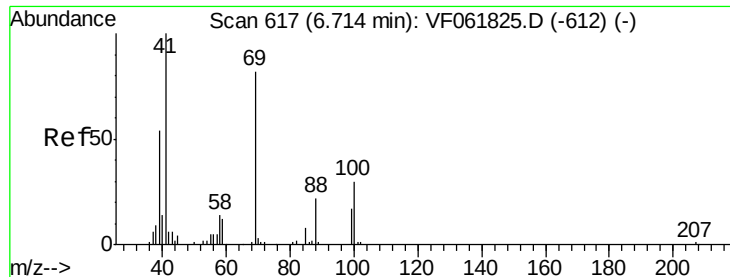


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 6.663 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.45 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampled :

VIBLK

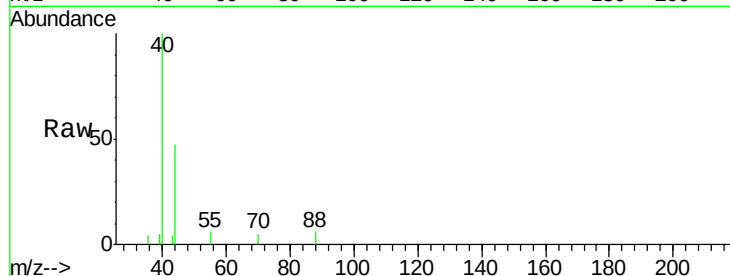
Tot Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 74.5 28.4 42.6#

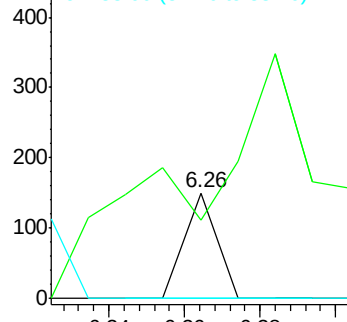
58 0.0 50.7 76.1#



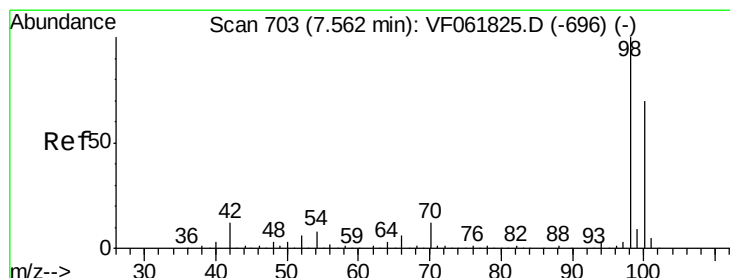
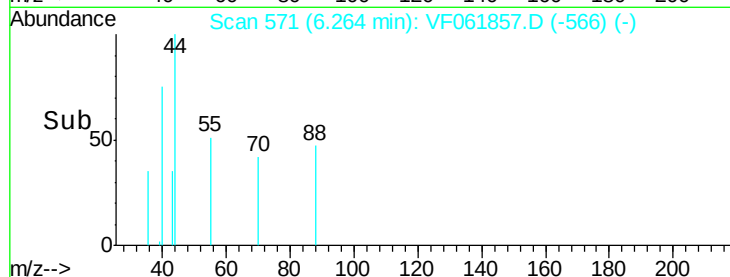
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 47.367 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061857.D

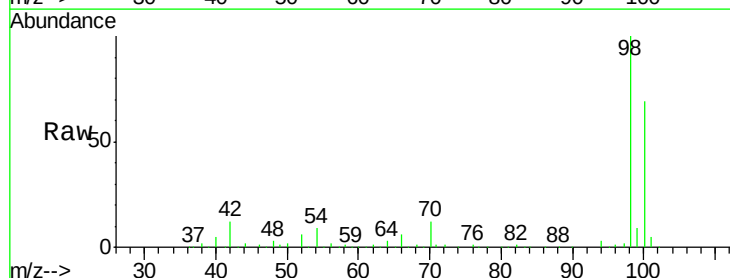
Acq: 5 Mar 2019 20:56

Tgt Ion: 98 Resp: 458926

Ion Ratio Lower Upper

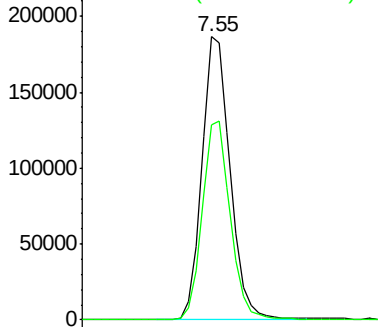
98 100

100 68.9 56.0 84.0

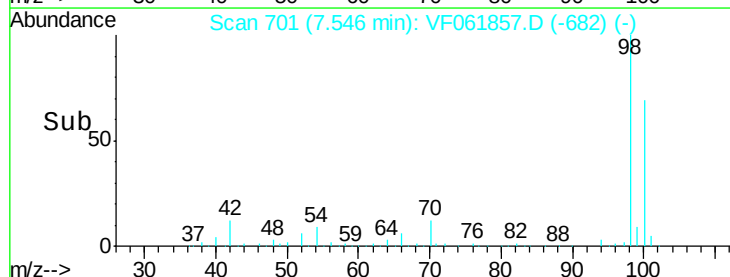


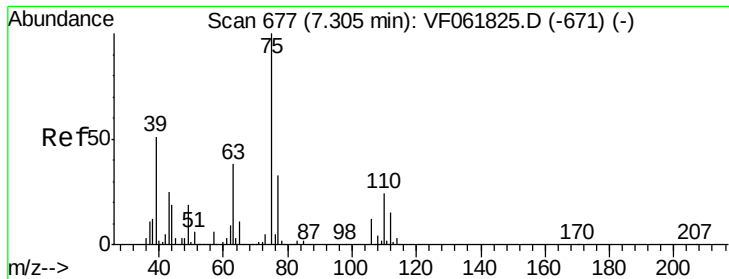
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 4.839 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampled :

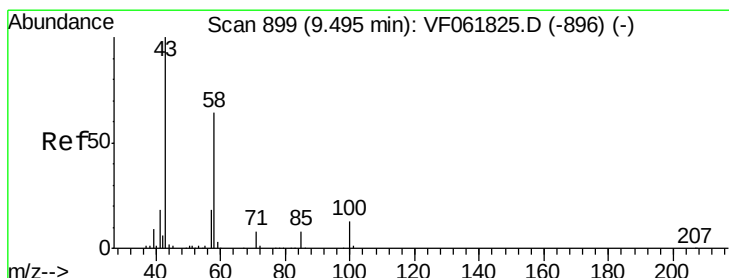
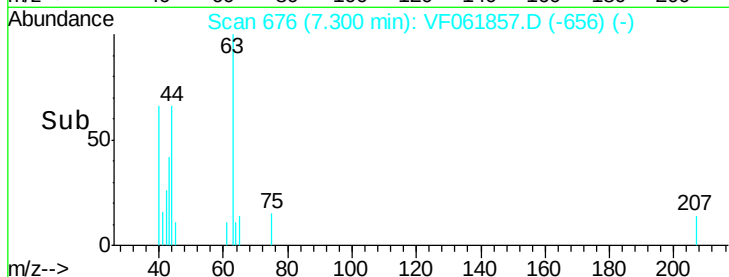
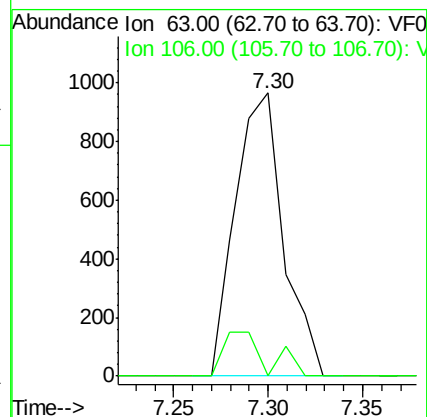
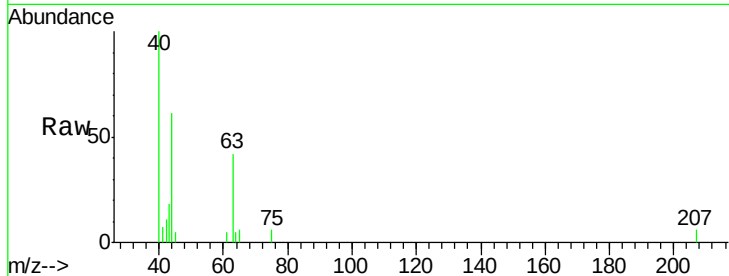
VIBLK

Tot Ion: 63 Resp: 1696

Ion Ratio Lower Upper

63 100

106 0.0 24.3 36.5#



#59

2-Hexanone

Concen: 1.496 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061857.D

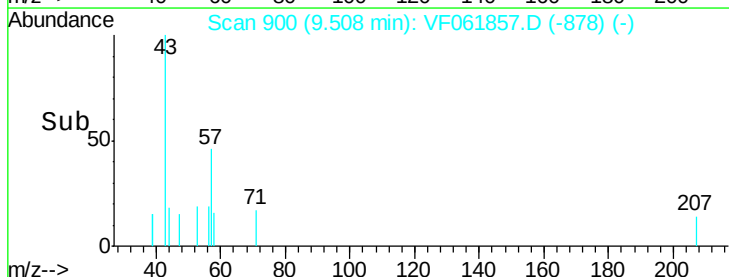
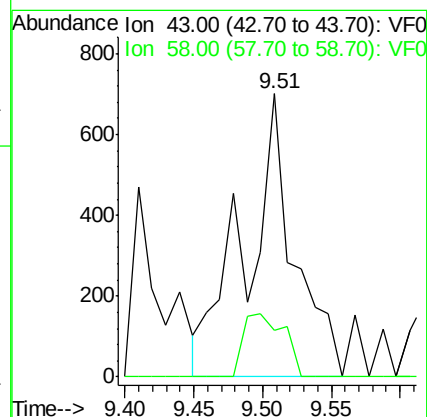
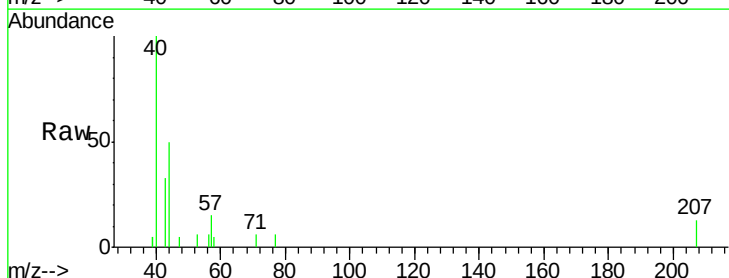
Acq: 5 Mar 2019 20:56

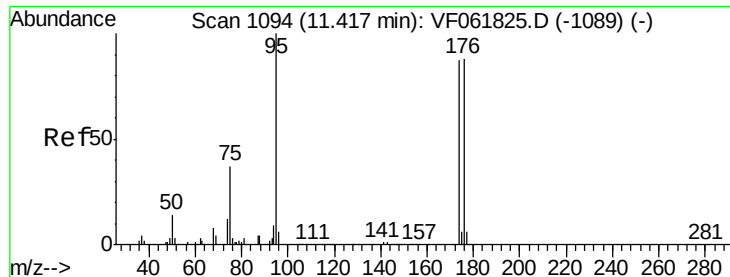
Tgt Ion: 43 Resp: 1703

Ion Ratio Lower Upper

43 100

58 16.4 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 51.980 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampled :

VIBLK

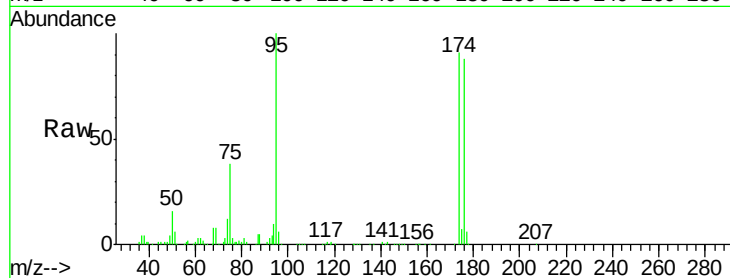
Tot Ion: 95 Resp: 197278

Ion Ratio Lower Upper

95 100

174 91.3 0.0 174.0

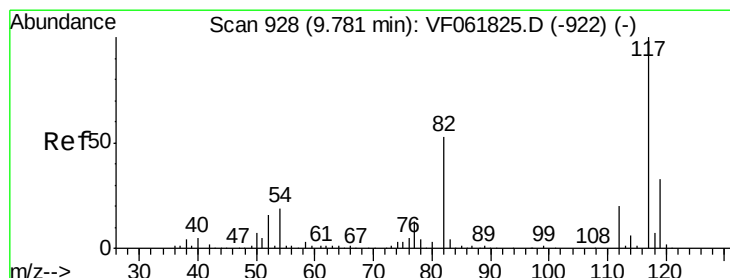
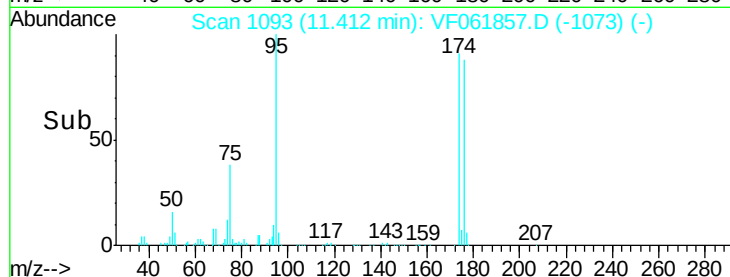
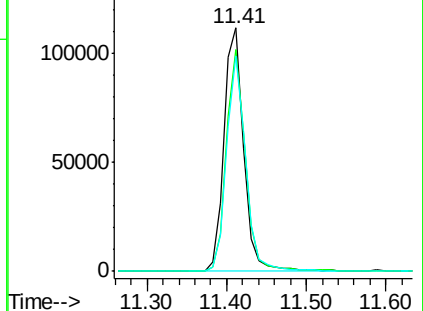
176 88.4 0.0 175.2



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: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

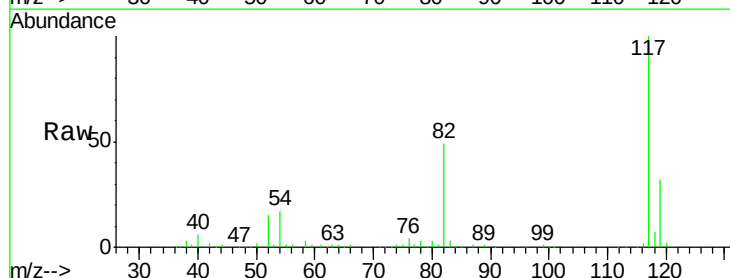
Tgt Ion: 117 Resp: 383967

Ion Ratio Lower Upper

117 100

82 48.8 42.6 63.8

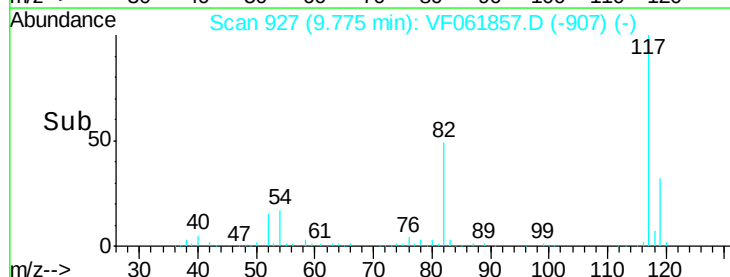
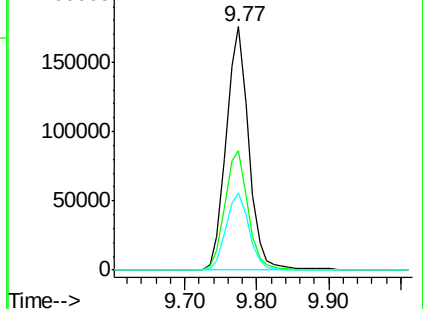
119 31.9 26.0 39.0

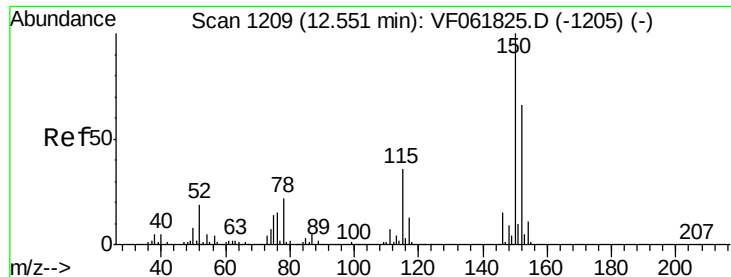


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.55 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Instrument :

MSVOA_F

ClientSampled :

VIBLK

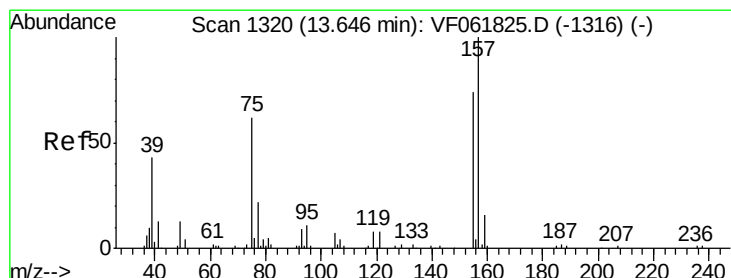
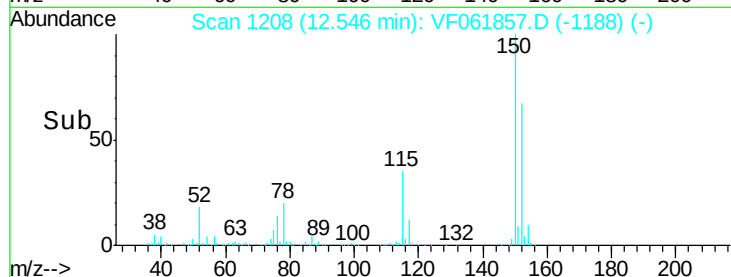
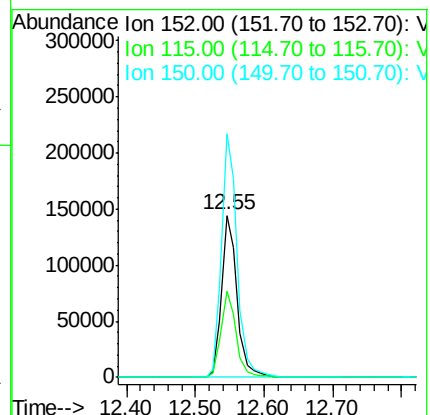
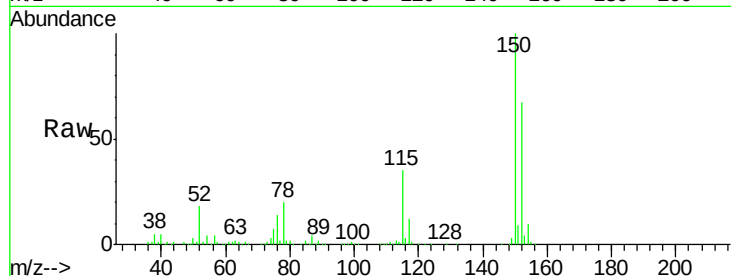
Tot Ion:152 Resp: 224698

Ion Ratio Lower Upper

152 100

115 53.1 27.7 83.1

150 150.2 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.906 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. 0.06 min

Lab File: VF061857.D

Acq: 5 Mar 2019 20:56

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

