

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061919.D
 Acq On : 12 Mar 2019 21:57
 Operator : VA/AP
 Sample : K1697-07
 Misc : 6.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-04-031119-B

Quant Time: Mar 13 02:10:16 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	4.85	168	288851	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	452164	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	358274	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	199793	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	118931	56.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.08%	
35) Dibromofluoromethane	4.09	113	169615	53.75	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	107.50%	
50) Toluene-d8	7.53	98	404851	43.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.34%	
62) 4-Bromofluorobenzene	11.40	95	169655	46.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.36%	

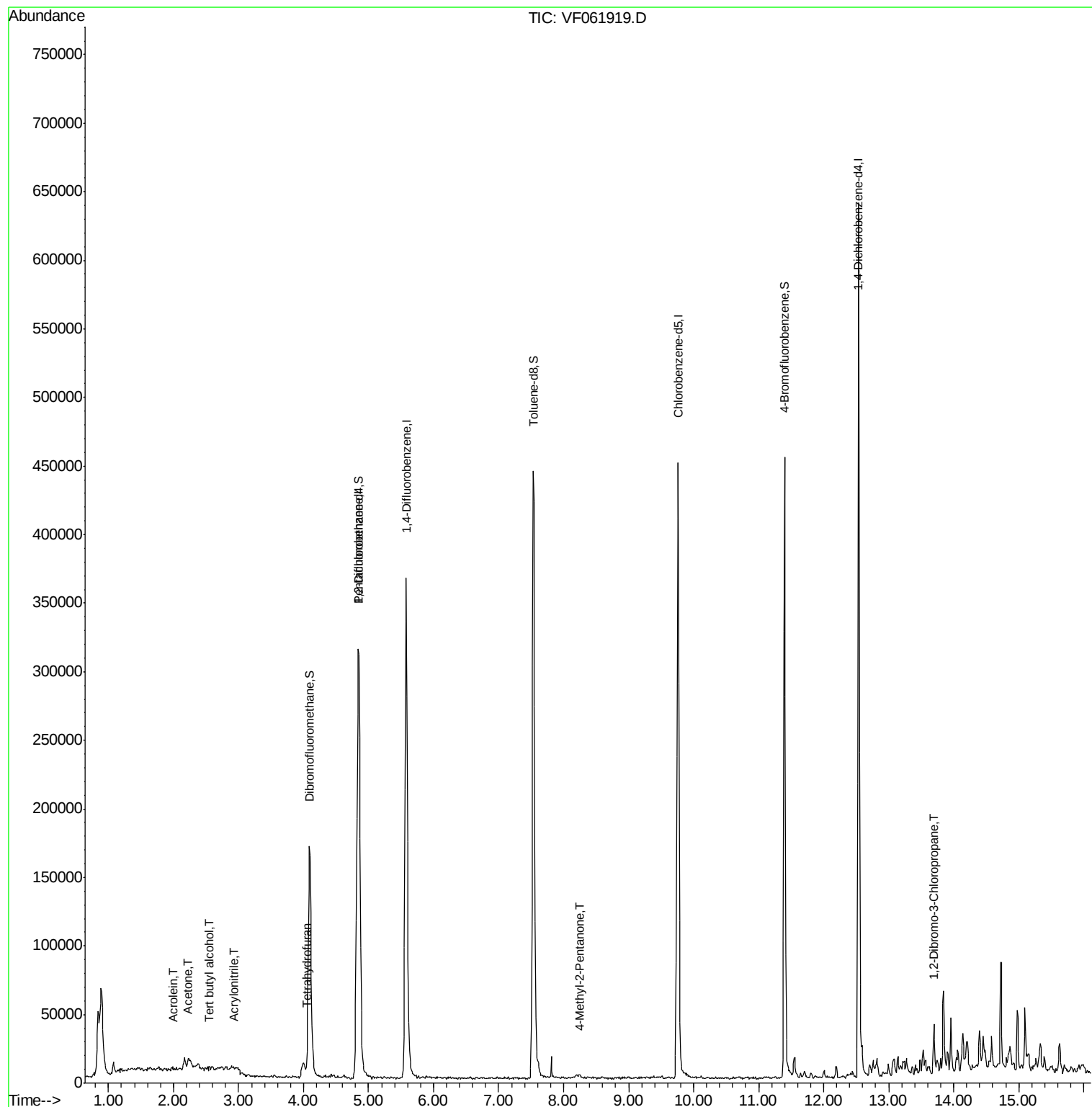
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	328	2.747	ug/l #	1
13) Acrolein	2.00	56	196	1.296	ug/l #	23
15) Acrylonitrile	2.94	53	558	1.468	ug/l #	30
16) Acetone	2.22	43	3294	7.476	ug/l #	76
18) Methyl Acetate	2.38	43	2671	Below Cal	#	62
20) Methylene Chloride	2.17	84	3983	Below Cal		92
29) Tetrahydrofuran	4.04	42	549	1.420	ug/l #	48
51) 4-Methyl-2-Pentanone	8.24	43	2273	1.488	ug/l #	64
92) 1,2-Dibromo-3-Chloropropan	13.70	75	219	4.278	ug/l #	1

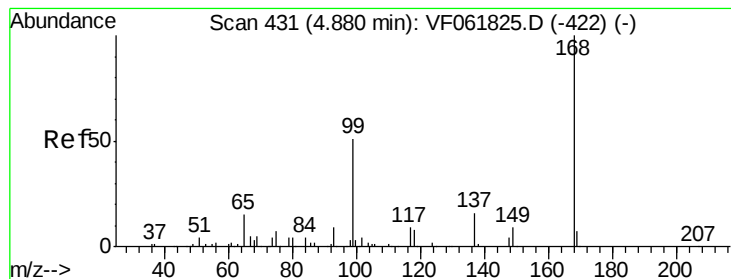
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

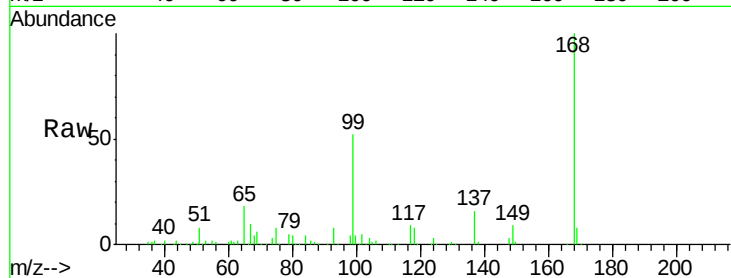
SU-04-031119-B

Tot Ion:168 Resp: 288851

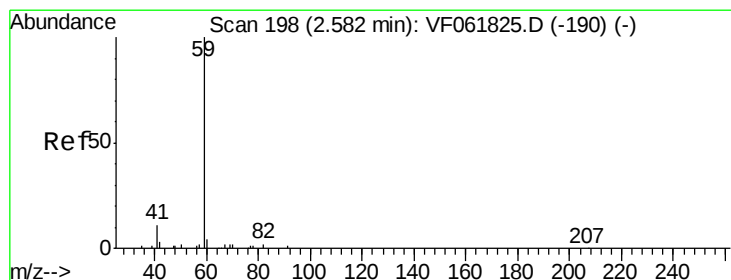
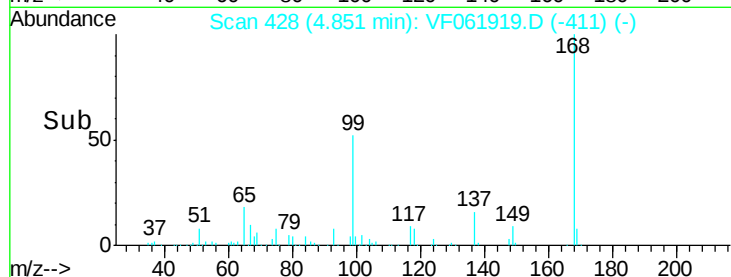
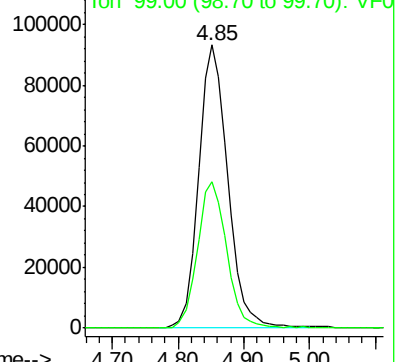
Ion Ratio Lower Upper

168 100

99 51.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.747 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF061919.D

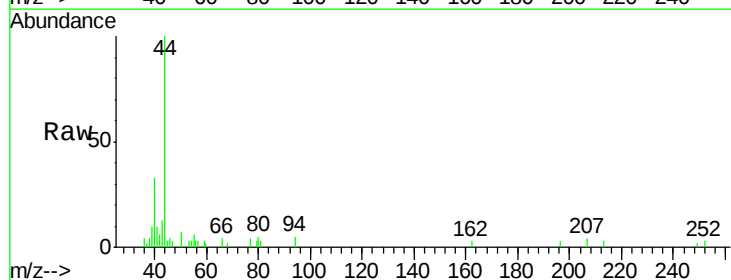
Acq: 12 Mar 2019 21:57

Tgt Ion: 59 Resp: 328

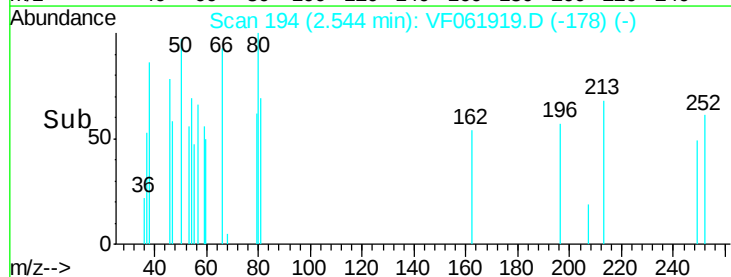
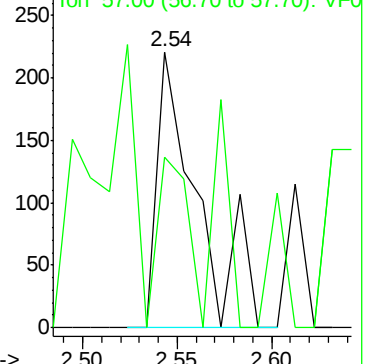
Ion Ratio Lower Upper

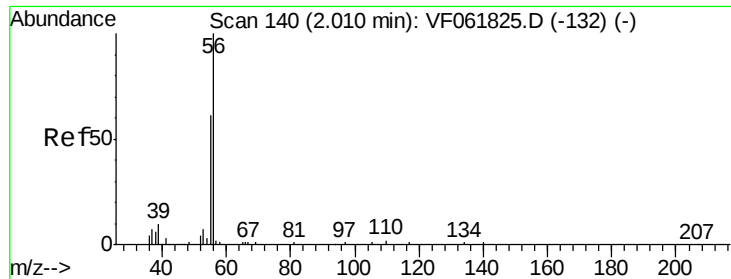
59 100

57 62.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 1.296 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

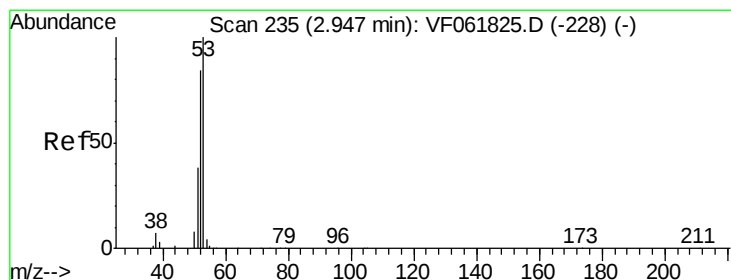
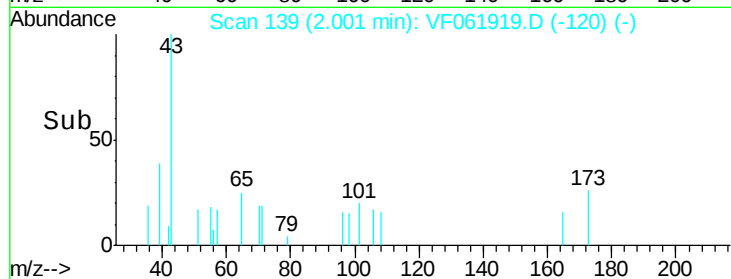
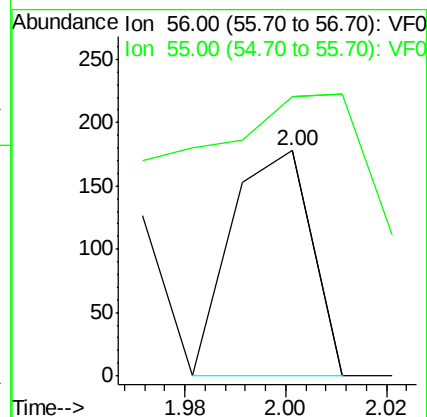
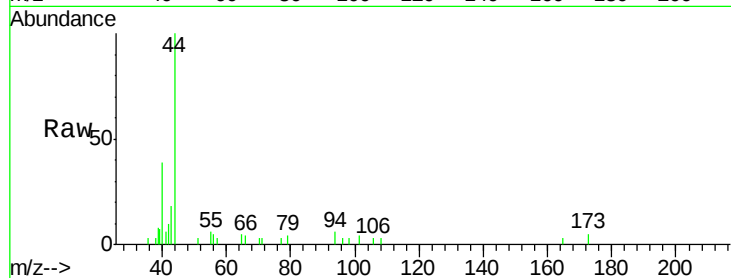
SU-04-031119-B

Tot Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 124.2 51.3 76.9#



#15

Acrylonitrile

Concen: 1.468 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

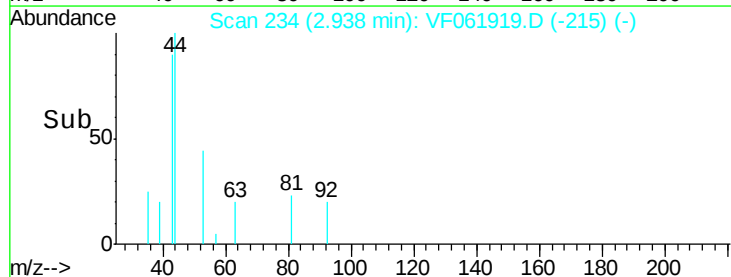
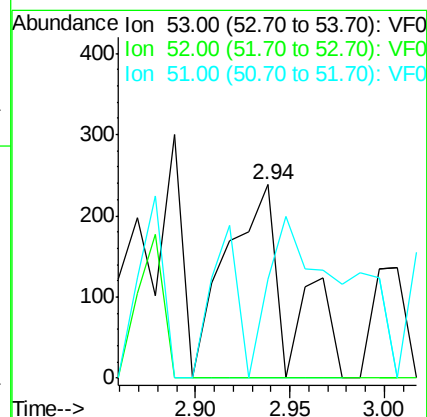
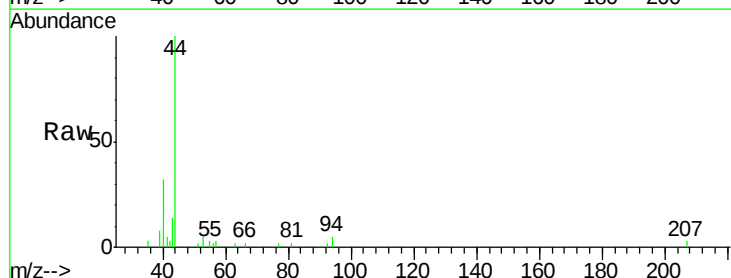
Tgt Ion: 53 Resp: 558

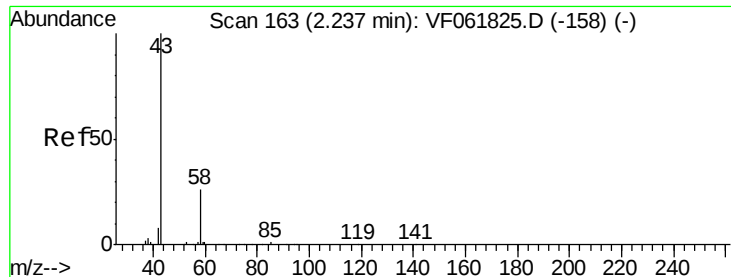
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 51.3 30.7 46.1#





#16

Acetone

Concen: 7.476 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

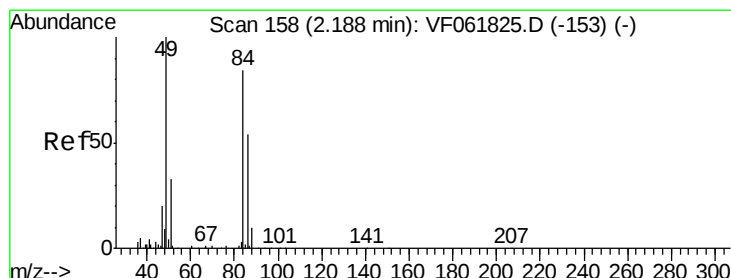
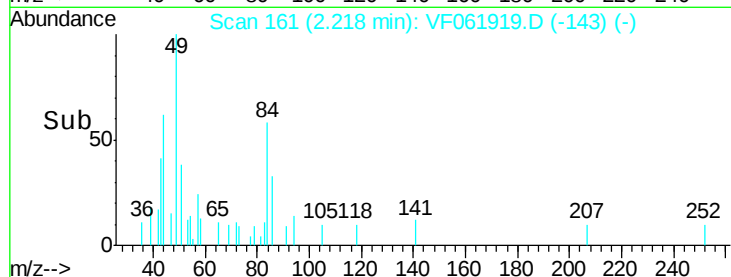
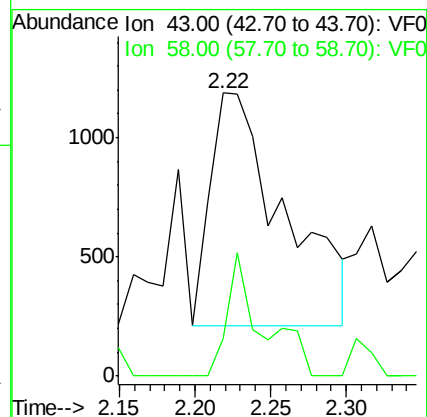
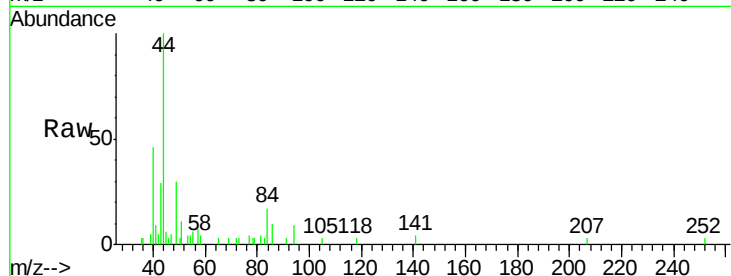
SU-04-031119-B

Tot Ion: 43 Resp: 3294

Ion Ratio Lower Upper

43 100

58 13.3 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Tgt Ion: 84 Resp: 3983

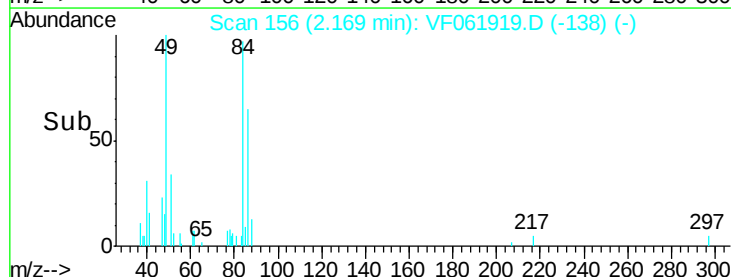
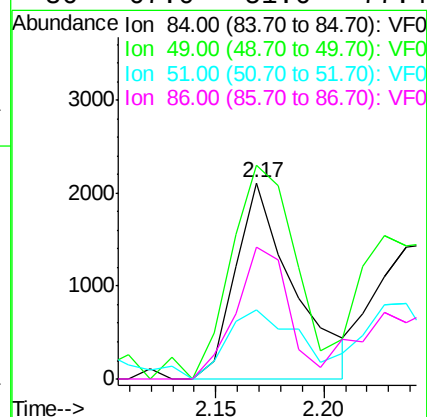
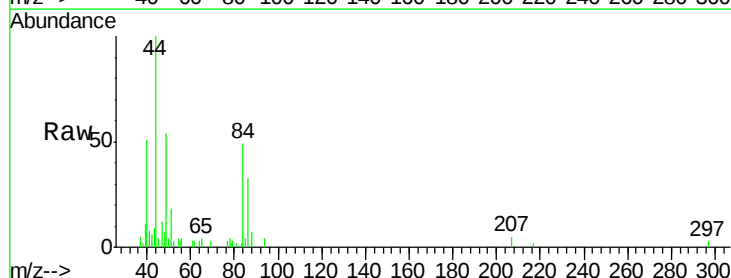
Ion Ratio Lower Upper

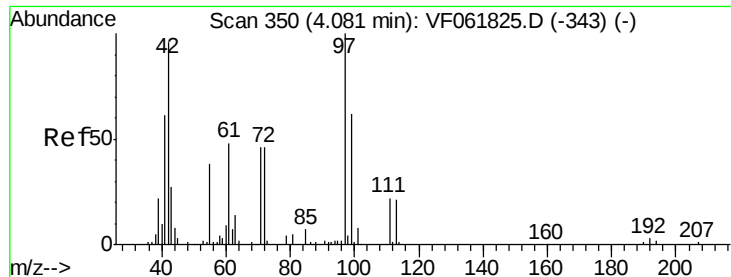
84 100

49 108.8 96.8 145.2

51 35.5 31.8 47.6

86 67.0 51.6 77.4

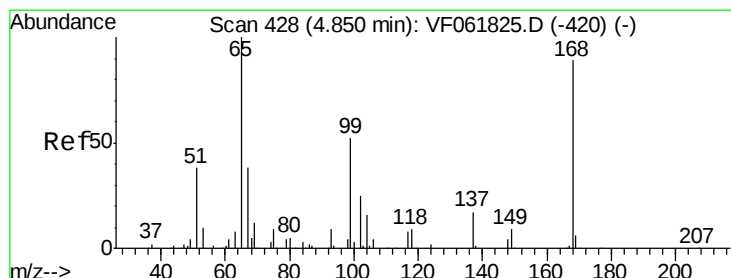
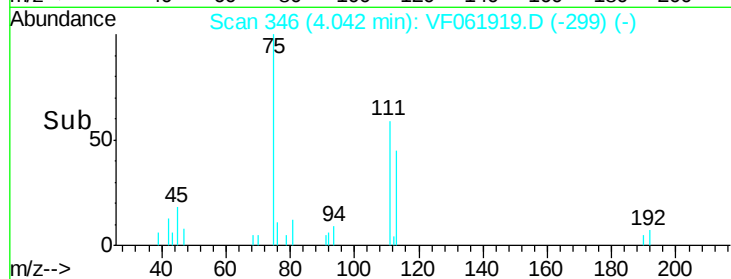
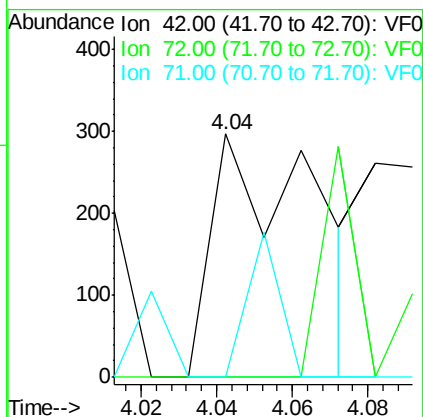
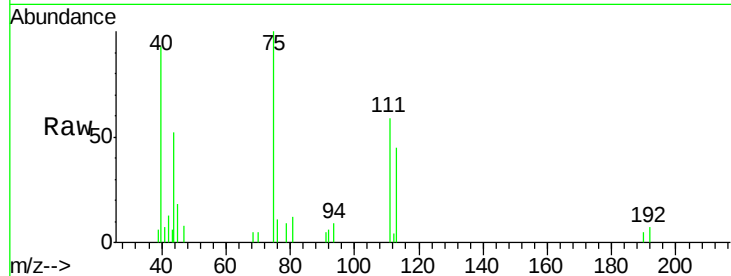




#29
Tetrahydrofuran
Concen: 1.420 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF061919.D
Acq: 12 Mar 2019 21:57

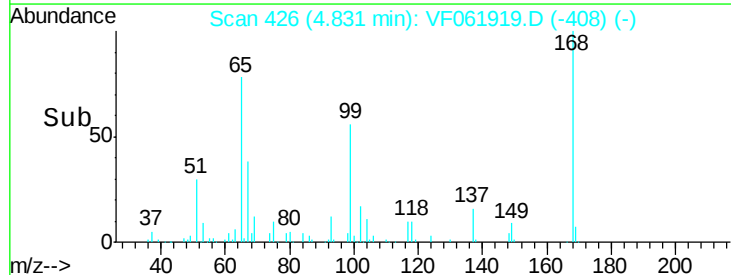
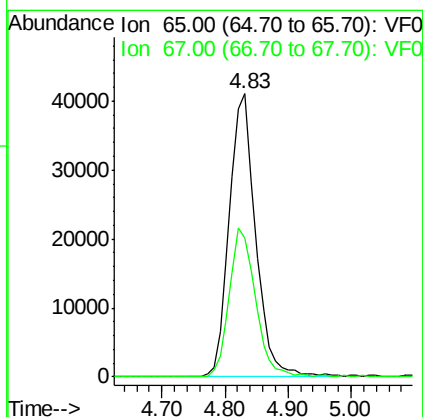
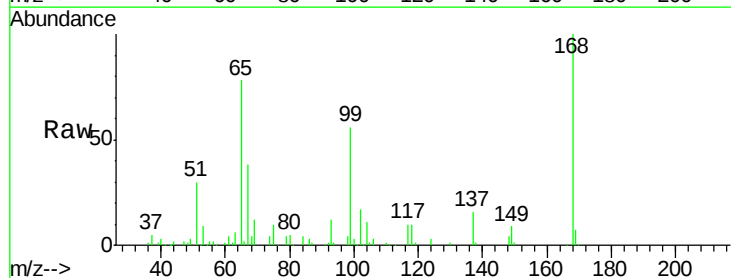
Instrument :
MSVOA_F
ClientSampleId :
SU-04-031119-B

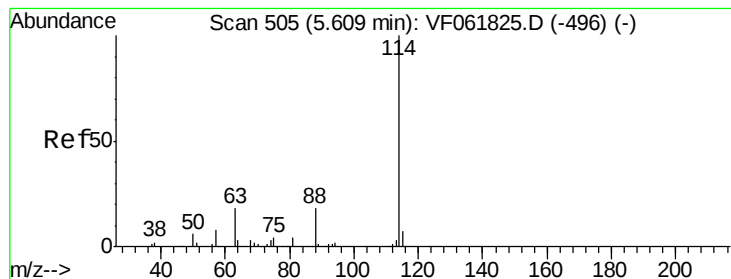
Tot Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 19.1 34.6 52.0#



#33
1,2-Dichloroethane-d4
Concen: 56.538 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061919.D
Acq: 12 Mar 2019 21:57

Tgt Ion: 65 Resp: 118931
Ion Ratio Lower Upper
65 100
67 49.1 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-031119-B

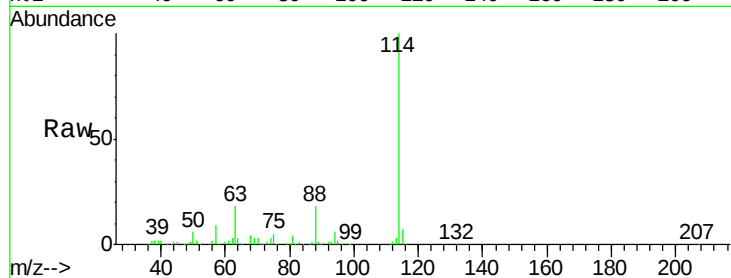
Tot Ion:114 Resp: 452164

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

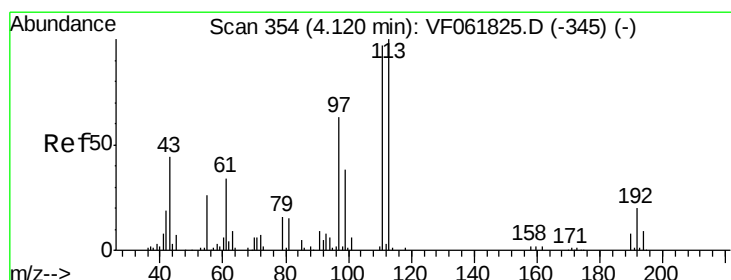
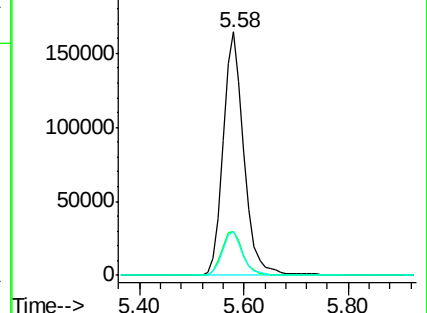
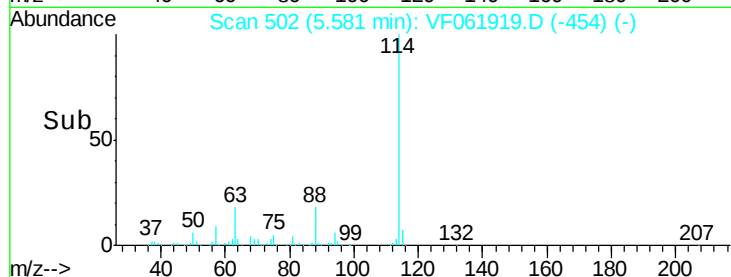
88 18.0 0.0 35.6



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: 53.752 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

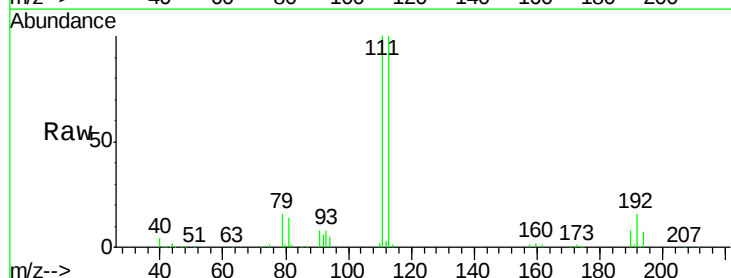
Tgt Ion:113 Resp: 169615

Ion Ratio Lower Upper

113 100

111 100.0 77.6 116.4

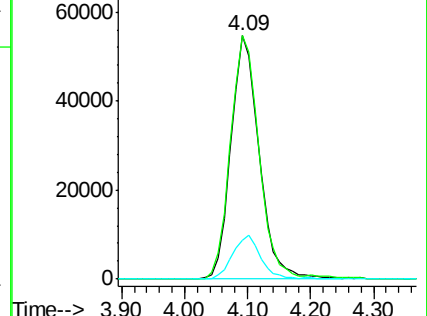
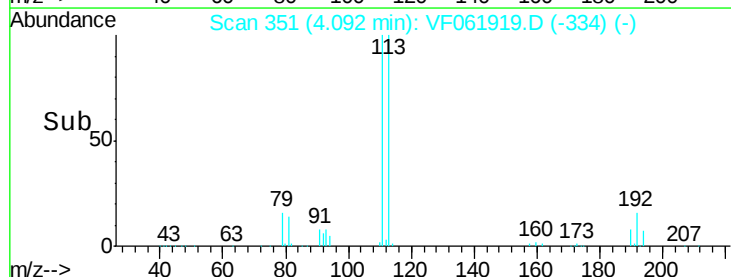
192 15.9 15.9 23.9#

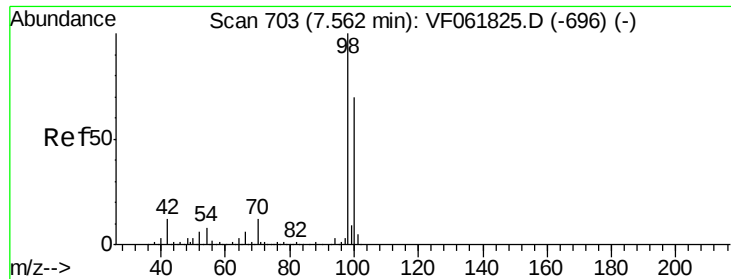


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

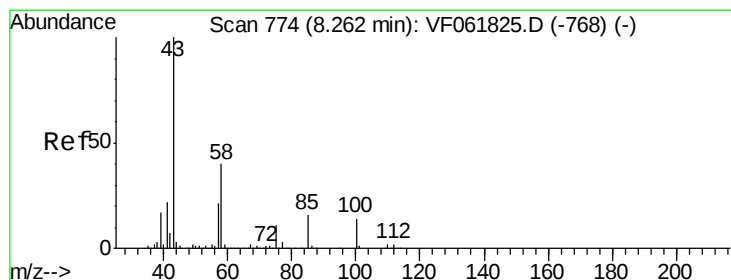
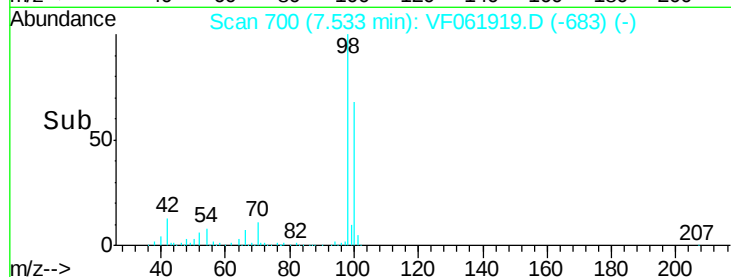
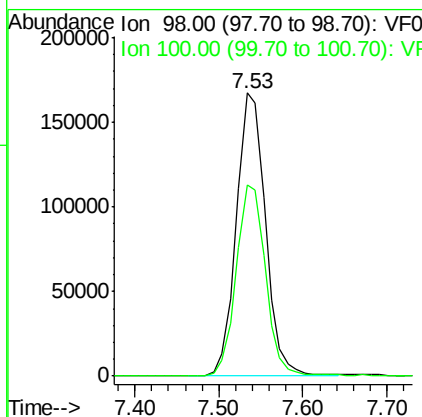
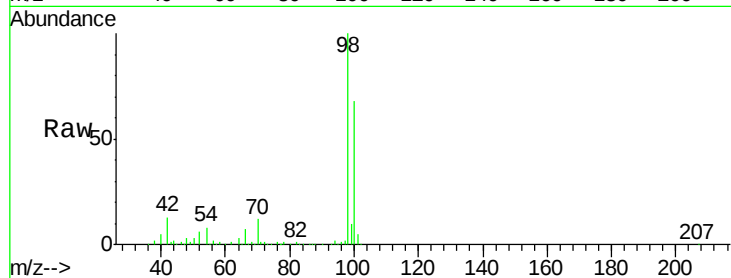




#50
Toluene-d8
Concen: 43.165 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061919.D
Acq: 12 Mar 2019 21:57

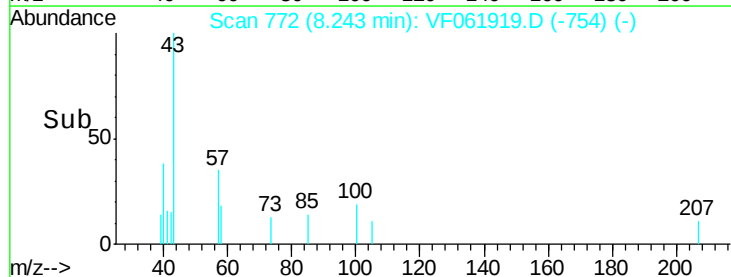
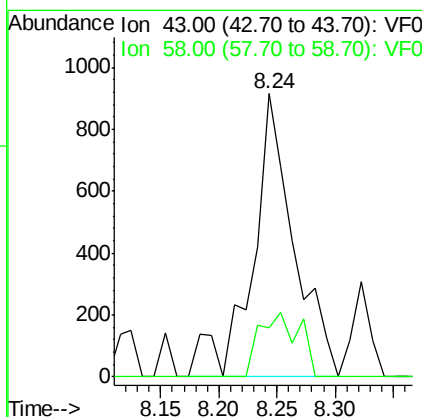
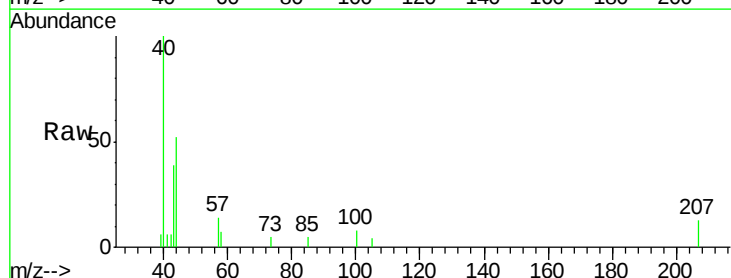
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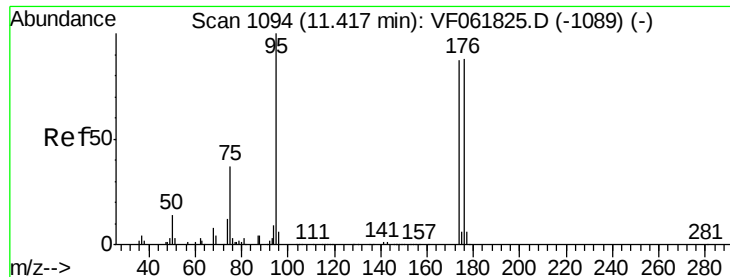
Tot Ion: 98 Resp: 404851
Ion Ratio Lower Upper
98 100
100 67.6 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 1.488 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF061919.D
Acq: 12 Mar 2019 21:57

Tgt Ion: 43 Resp: 2273
Ion Ratio Lower Upper
43 100
58 17.5 31.8 47.8#





#62

4-Bromofluorobenzene

Concen: 46.177 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-031119-B

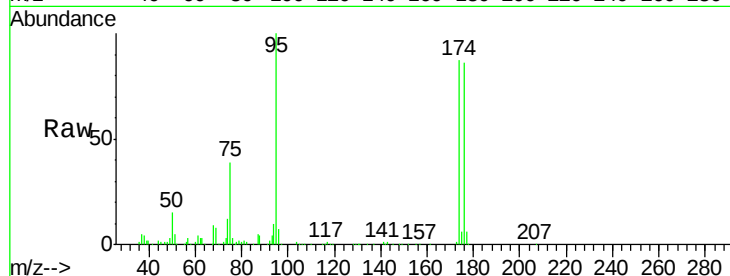
Tot Ion: 95 Resp: 169655

Ion Ratio Lower Upper

95 100

174 87.0 0.0 174.0

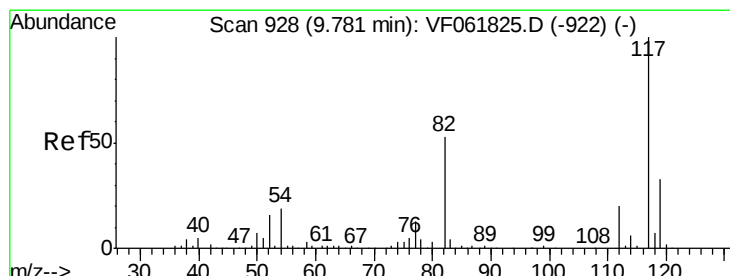
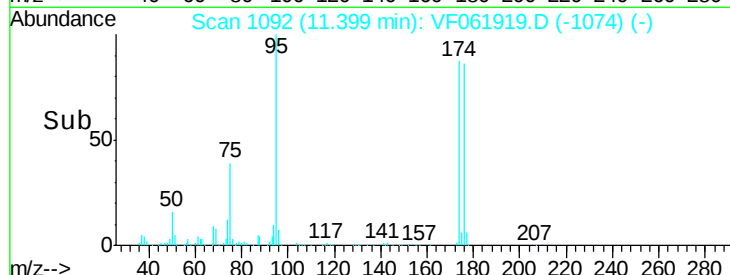
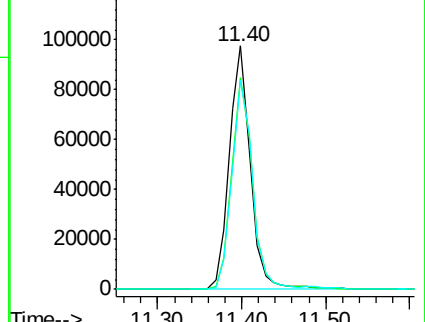
176 86.0 0.0 175.2



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: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

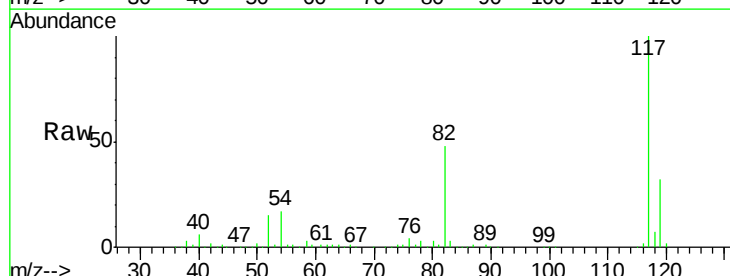
Tgt Ion: 117 Resp: 358274

Ion Ratio Lower Upper

117 100

82 47.5 42.6 63.8

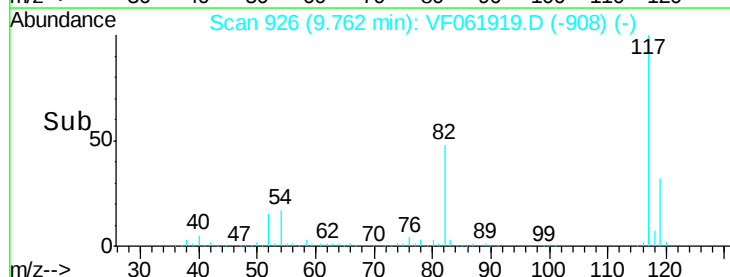
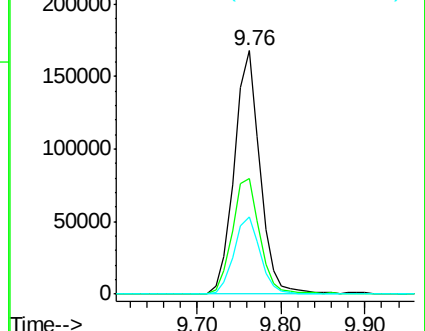
119 32.0 26.0 39.0

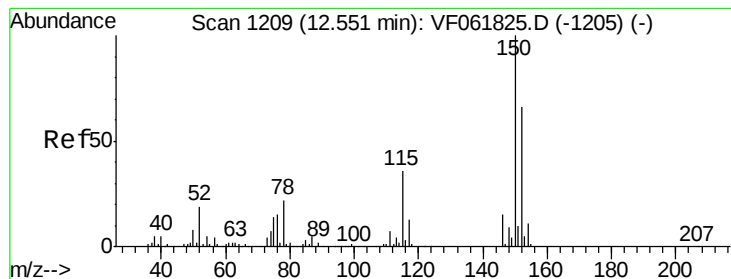


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-031119-B

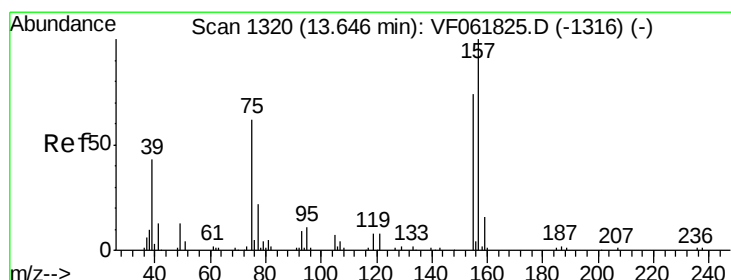
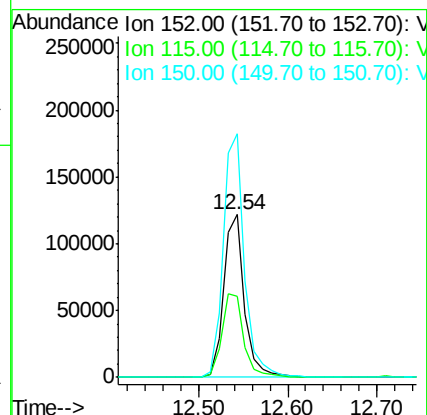
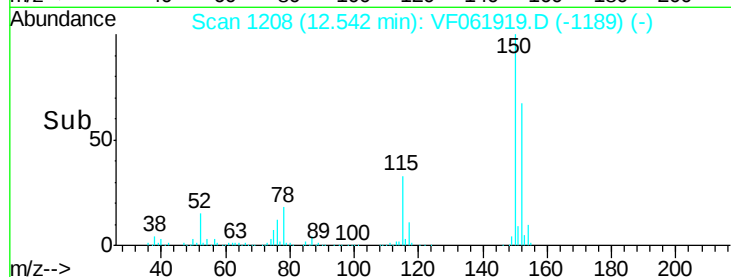
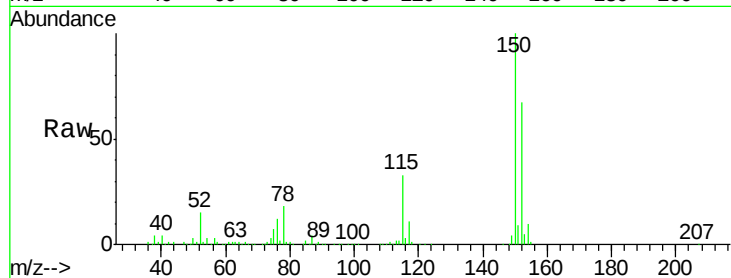
Tot Ion:152 Resp: 199793

Ion Ratio Lower Upper

152 100

115 49.8 27.7 83.1

150 149.5 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.278 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. 0.05 min

Lab File: VF061919.D

Acq: 12 Mar 2019 21:57

Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

