

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061865.D
 Acq On : 8 Mar 2019 16:23
 Operator : VA/AP
 Sample : K1807-01
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 09 00:45:43 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	202441	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	324617	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	288186	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	169634	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	96621	65.54	ug/l	-0.03
Spiked Amount			Recovery	=	131.08%	
35) Dibromofluoromethane	4.10	113	129177	57.02	ug/l	-0.03
Spiked Amount			Recovery	=	114.04%	
50) Toluene-d8	7.54	98	340932	50.63	ug/l	-0.03
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.39	95	149606	56.72	ug/l	-0.03
Spiked Amount			Recovery	=	113.44%	

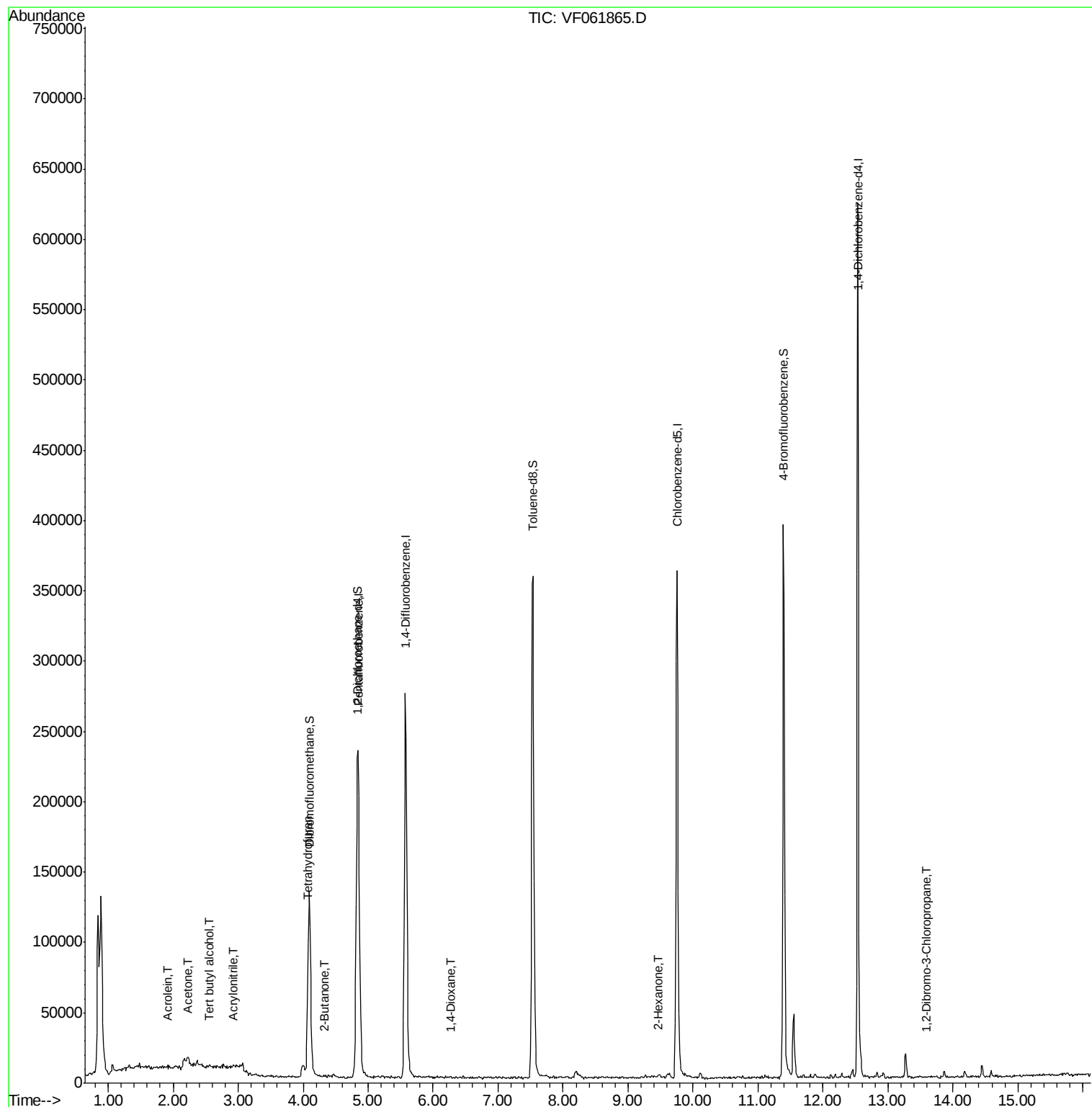
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	182	2.175	ug/l #	1
13) Acrolein	1.92	56	298	2.811	ug/l	95
15) Acrylonitrile	2.92	53	731	2.743	ug/l #	60
16) Acetone	2.22	43	4339	14.050	ug/l	92
18) Methyl Acetate	2.37	43	2383	Below Cal	#	62
20) Methylene Chloride	2.18	84	2691	Below Cal	#	79
25) 2-Butanone	4.33	43	1640	2.611	ug/l #	56
29) Tetrahydrofuran	4.07	42	699	2.580	ug/l #	56
49) 1,4-Dioxane	6.27	88	79	8.607	ug/l #	11
59) 2-Hexanone	9.48	43	2423	3.063	ug/l	64
92) 1,2-Dibromo-3-Chloropropan	13.59	75	79	3.984	ug/l #	1

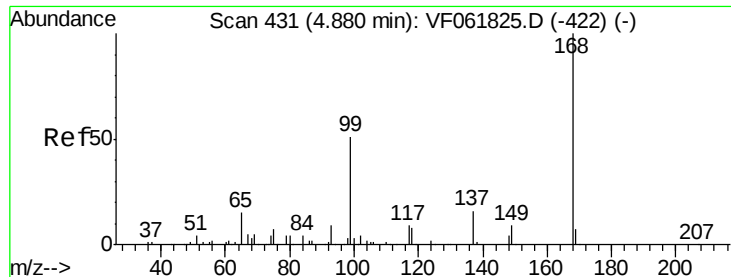
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :

MSVOA_F

ClientSampled :

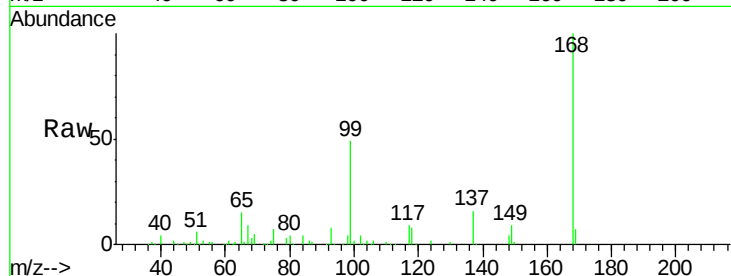
TP-1

Tot Ion:168 Resp: 202441

Ion Ratio Lower Upper

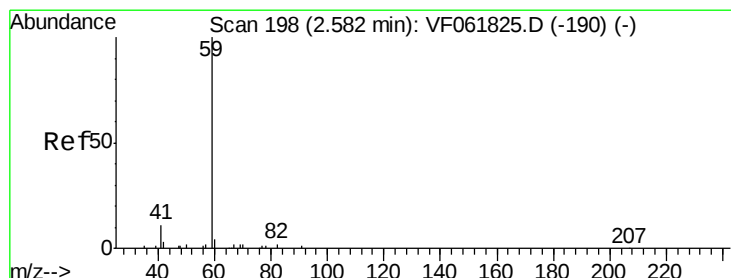
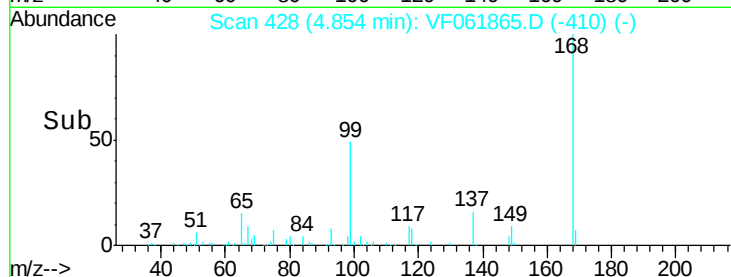
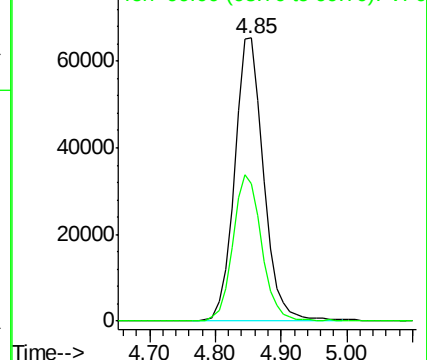
168 100

99 48.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.175 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061865.D

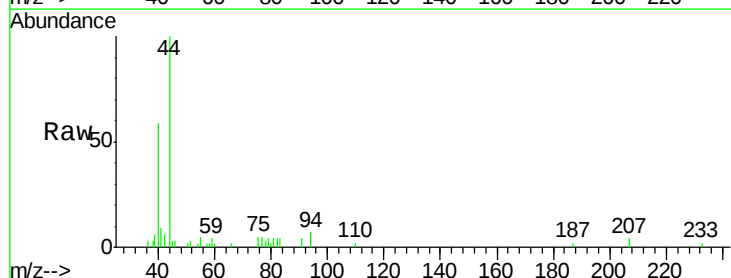
Acq: 8 Mar 2019 16:23

Tgt Ion: 59 Resp: 182

Ion Ratio Lower Upper

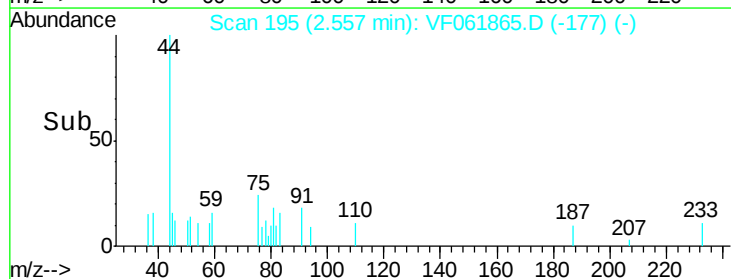
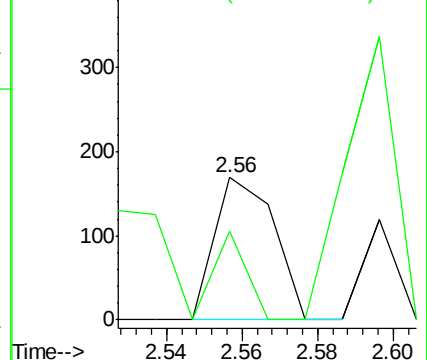
59 100

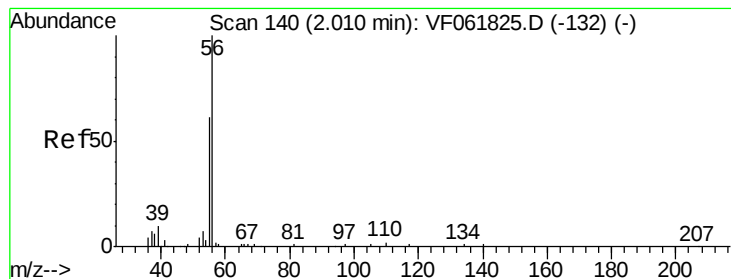
57 62.7 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.811 ug/l

RT: 1.92 min Scan# 130

Delta R.T. -0.09 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :

MSVOA_F

ClientSampleId :

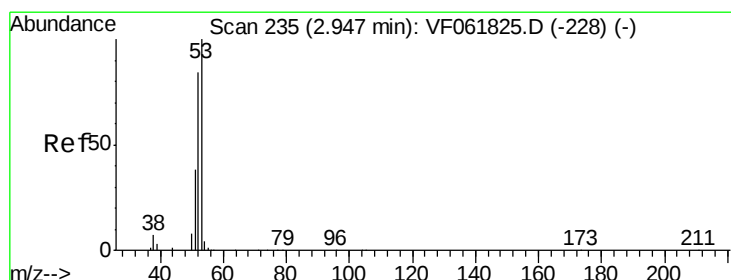
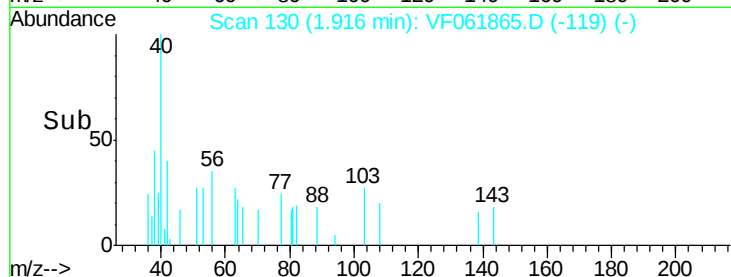
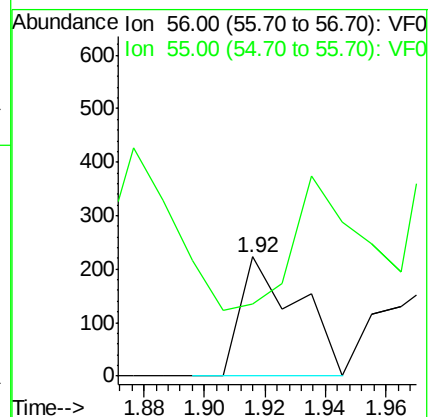
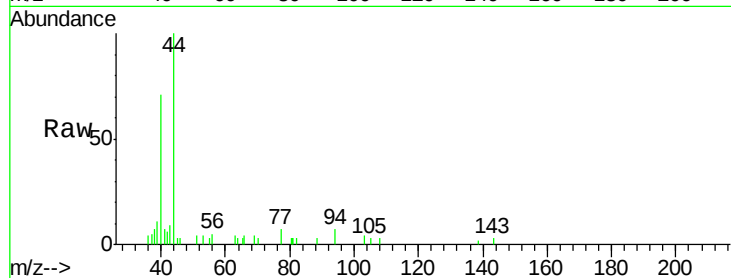
TP-1

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 60.5 51.3 76.9



#15

Acrylonitrile

Concen: 2.743 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

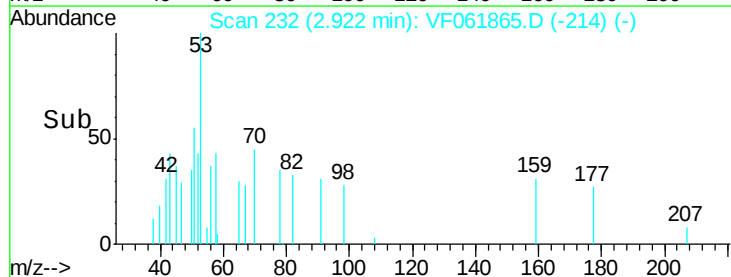
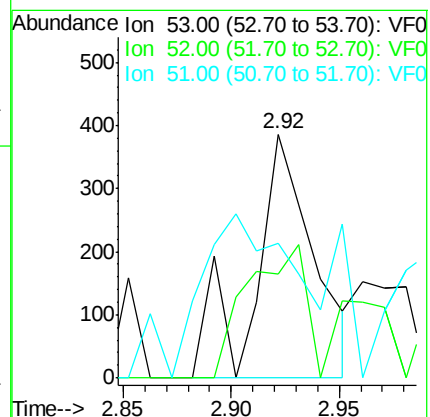
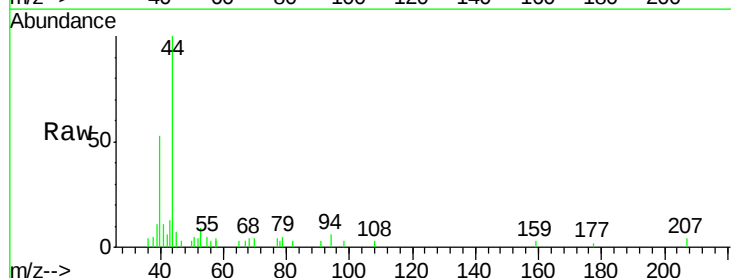
Tgt Ion: 53 Resp: 731

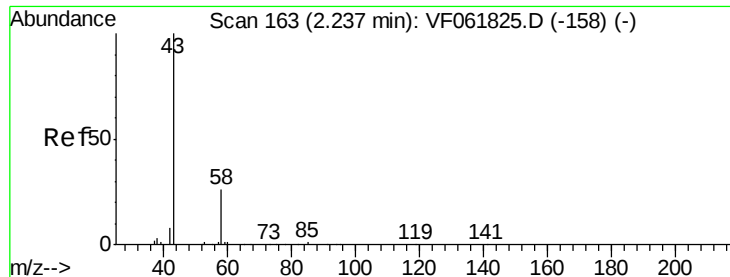
Ion Ratio Lower Upper

53 100

52 42.7 67.4 101.0#

51 55.4 30.7 46.1#





#16

Acetone

Concen: 14.050 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :

MSVOA_F

ClientSampled :

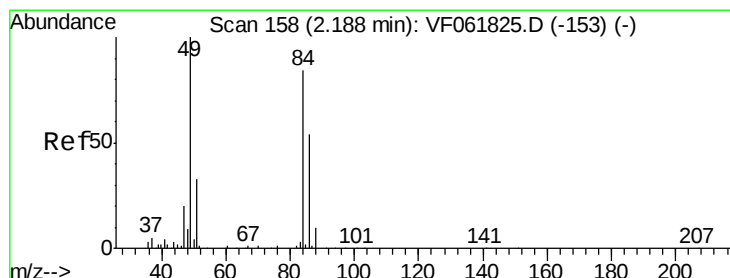
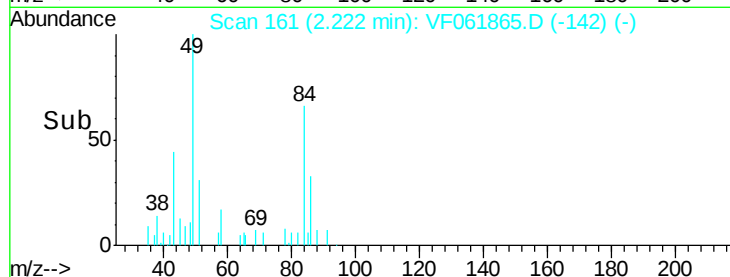
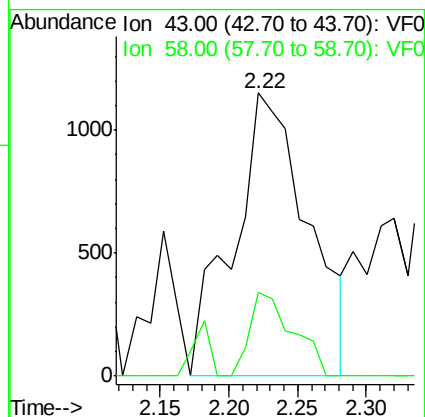
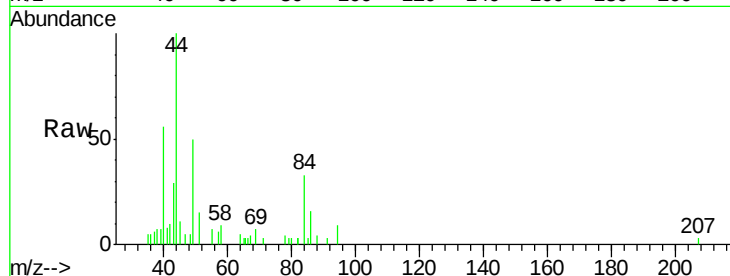
TP-1

Tot Ion: 43 Resp: 4339

Ion Ratio Lower Upper

43 100

58 29.5 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Tgt Ion: 84 Resp: 2691

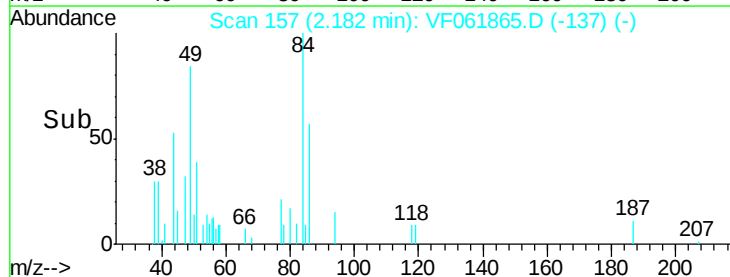
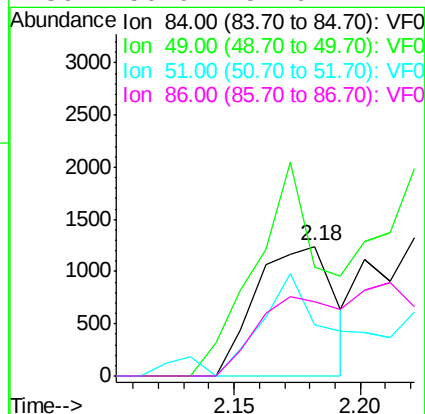
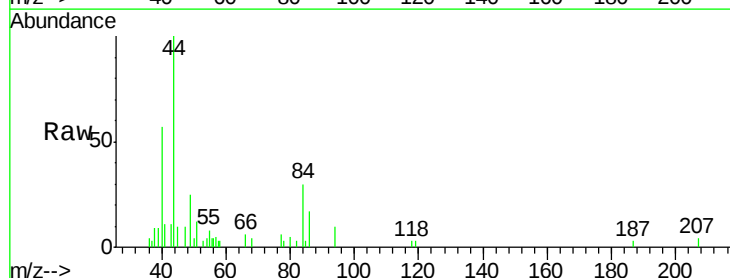
Ion Ratio Lower Upper

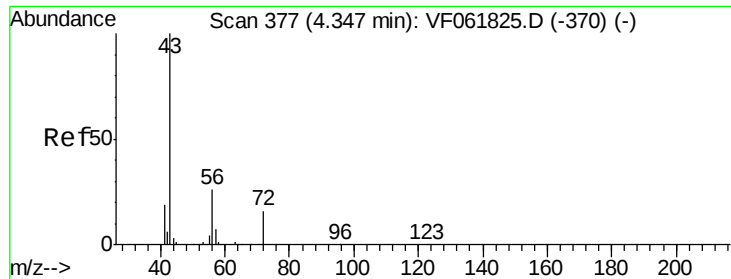
84 100

49 83.6 96.8 145.2#

51 39.5 31.8 47.6

86 56.9 51.6 77.4





#25

2-Butanone

Concen: 2.611 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :

MSVOA_F

ClientSampled :

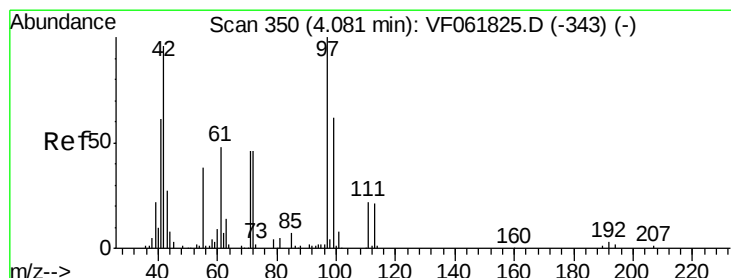
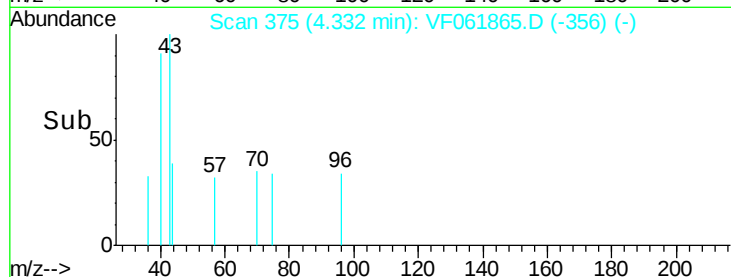
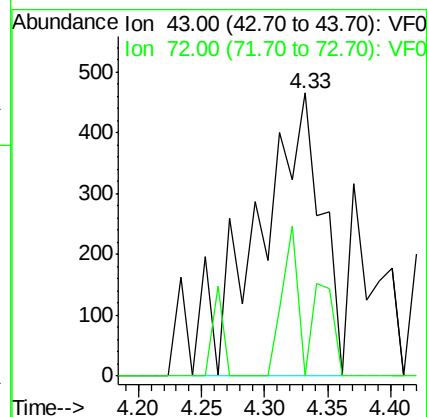
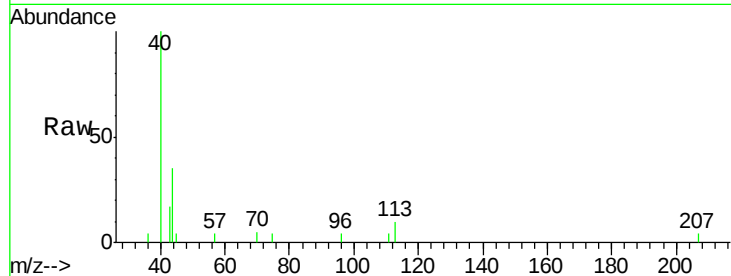
TP-1

Tot Ion: 43 Resp: 1640

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



#29

Tetrahydrofuran

Concen: 2.580 ug/l

RT: 4.07 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

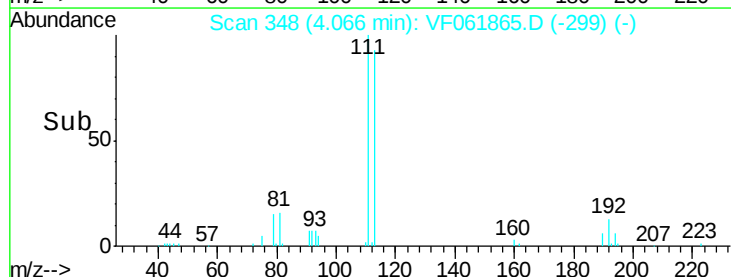
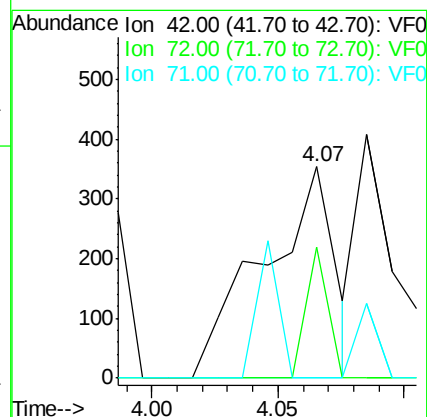
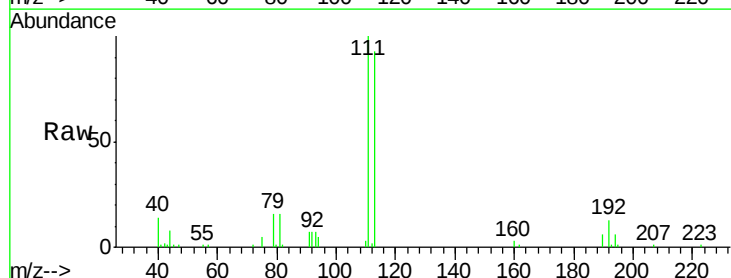
Tgt Ion: 42 Resp: 699

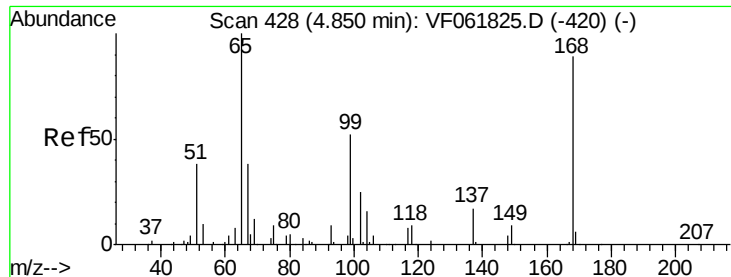
Ion Ratio Lower Upper

42 100

72 18.6 34.4 51.6#

71 10.7 34.6 52.0#

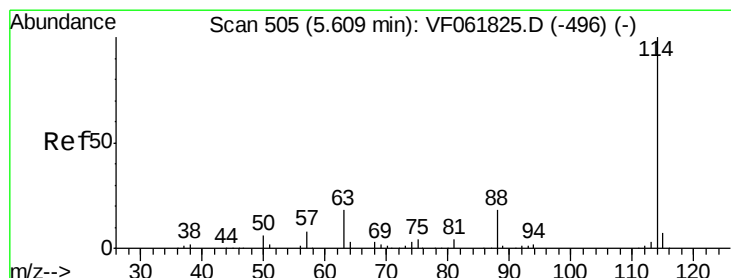
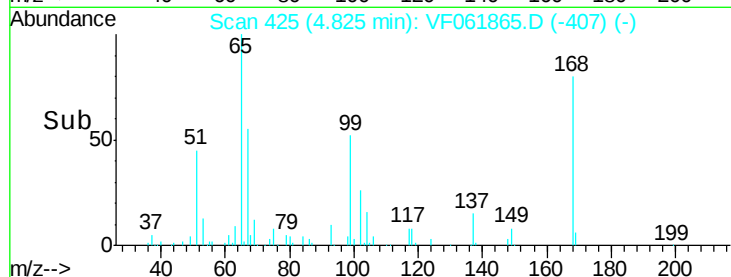
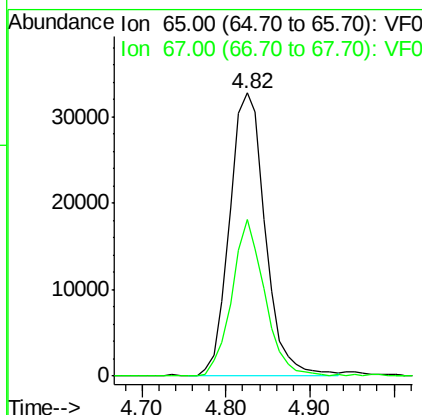
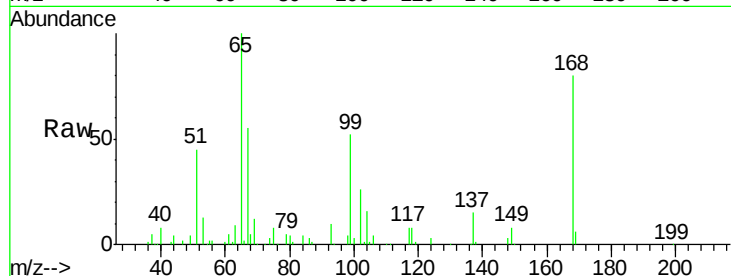




#33
 1,2-Dichloroethane-d4
 Concen: 65.538 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061865.D
 Acq: 8 Mar 2019 16:23

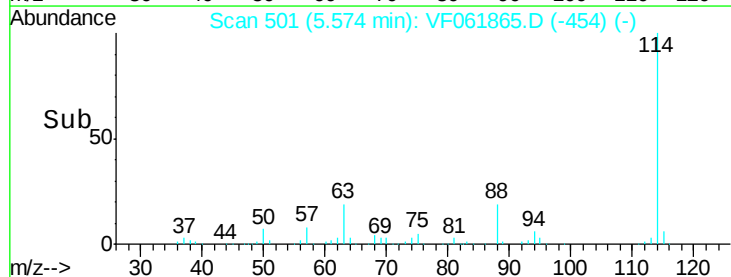
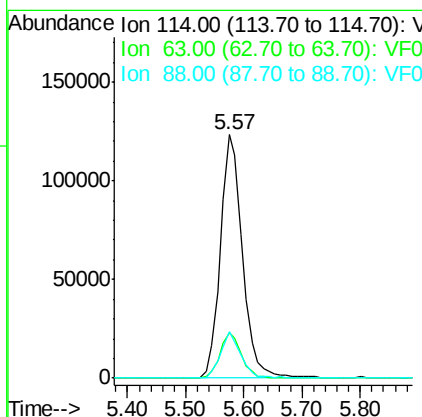
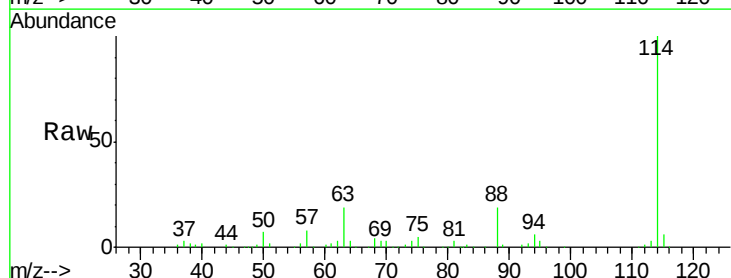
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1

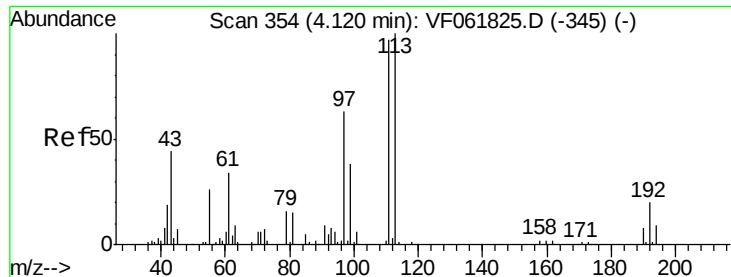
Tot Ion: 65 Resp: 96621
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061865.D
 Acq: 8 Mar 2019 16:23

Tgt Ion: 114 Resp: 324617
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.6
 88 19.0 0.0 35.6





#35

Dibromofluoromethane

Concen: 57.022 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :
MSVOA_F
ClientSampled :
TP-1

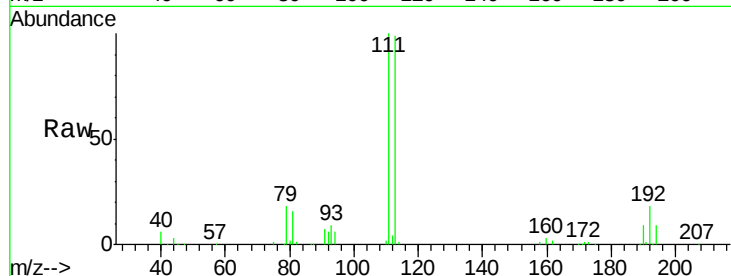
Tot Ion:113 Resp: 129177

Ion Ratio Lower Upper

113 100

111 100.6 77.6 116.4

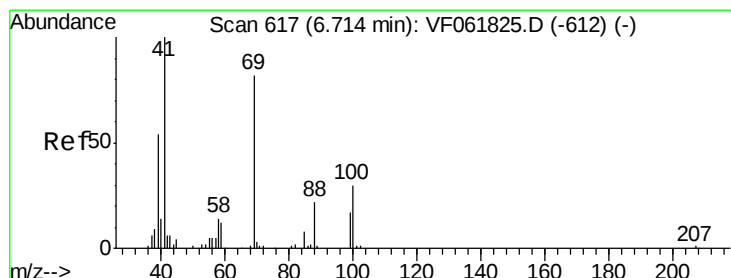
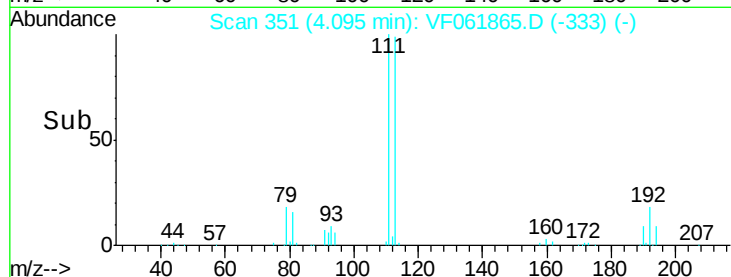
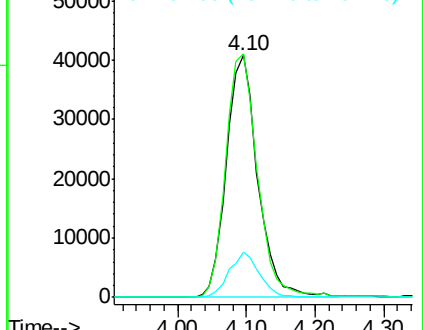
192 19.0 15.9 23.9



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: 8.607 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.44 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

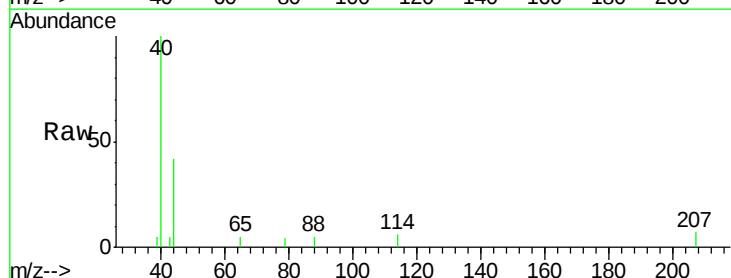
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 95.5 28.4 42.6#

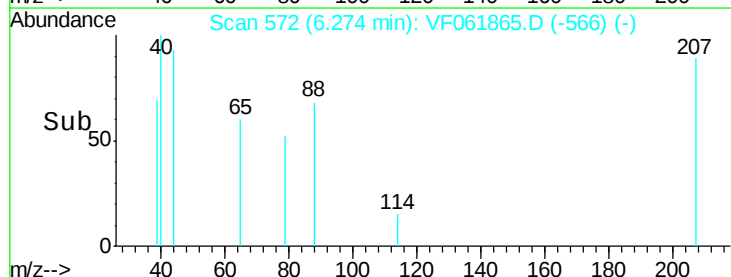
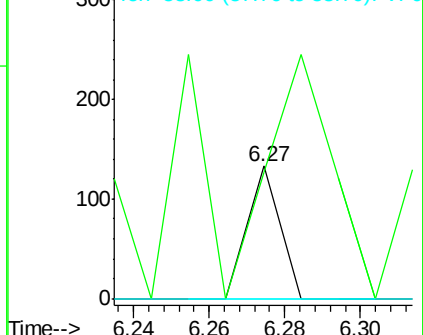
58 0.0 50.7 76.1#

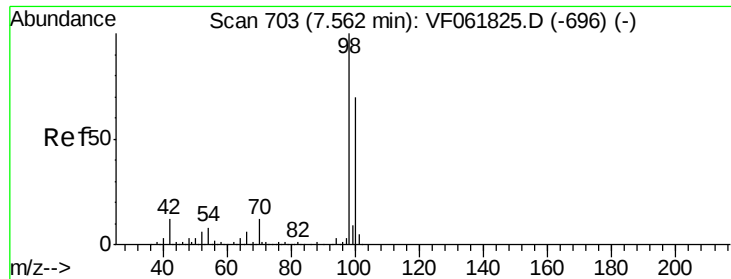


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

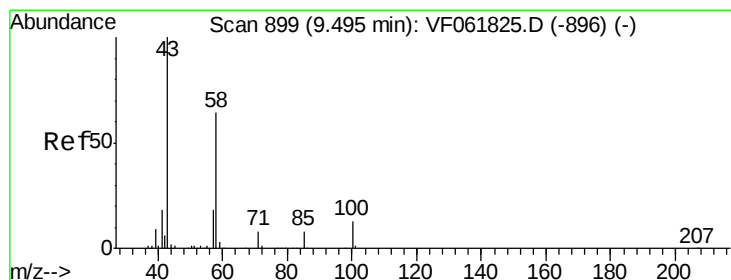
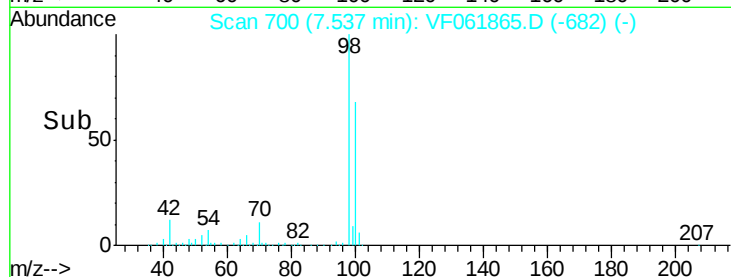
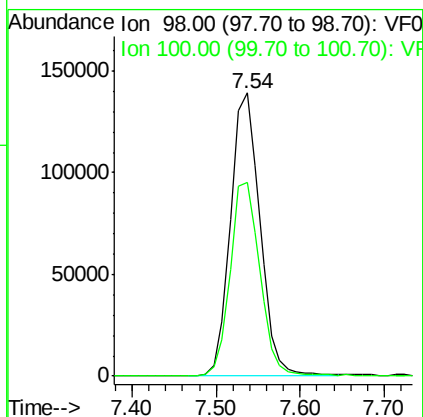
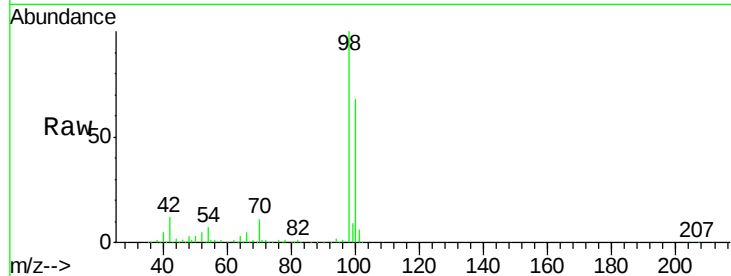




#50
Toluene-d8
Concen: 50.633 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061865.D
Acq: 8 Mar 2019 16:23

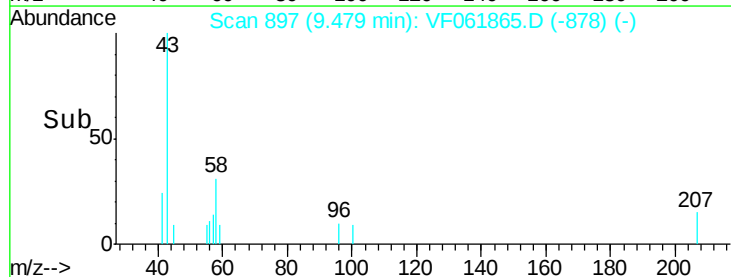
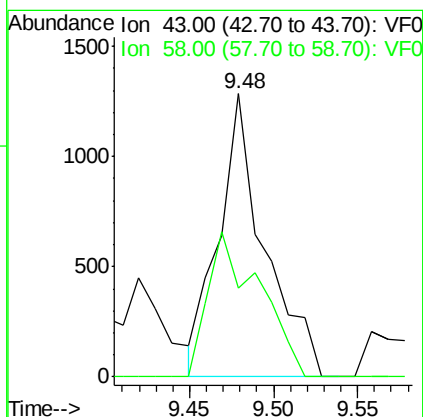
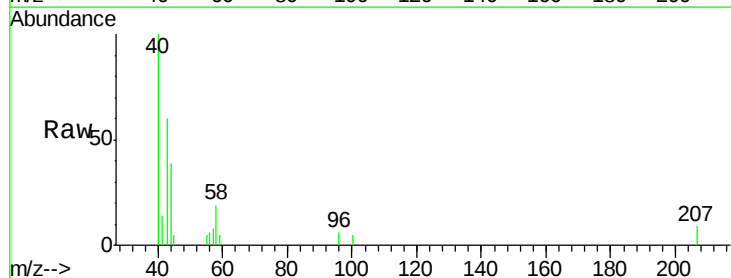
Instrument :
MSVOA_F
ClientSampled :
TP-1

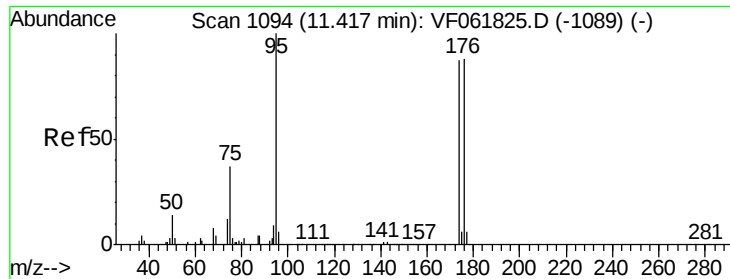
Tot Ion: 98 Resp: 340932
Ion Ratio Lower Upper
98 100
100 68.3 56.0 84.0



#59
2-Hexanone
Concen: 3.063 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061865.D
Acq: 8 Mar 2019 16:23

Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
58 31.3 28.8 86.4





#62

4-Bromofluorobenzene

Concen: 56.719 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

Instrument :

MSVOA_F

ClientSampleId :

TP-1

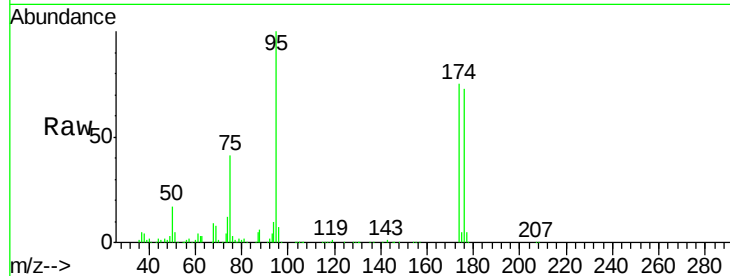
Tot Ion: 95 Resp: 149606

Ion Ratio Lower Upper

95 100

174 74.8 0.0 174.0

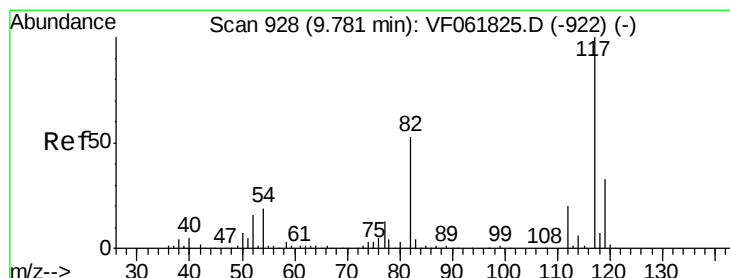
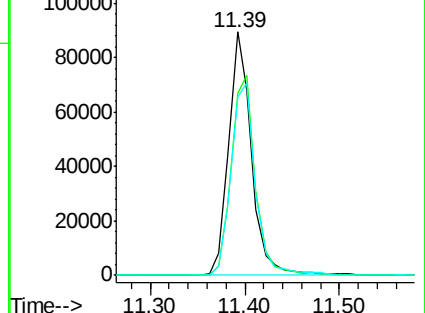
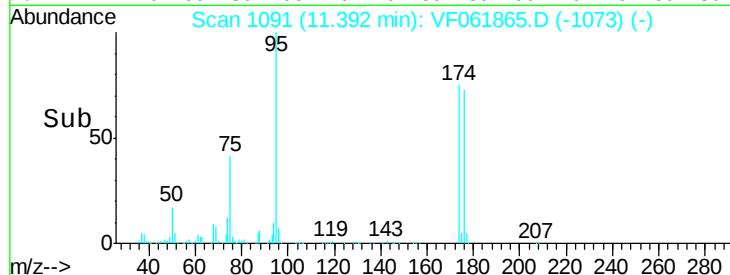
176 73.3 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF061865.D (-1073) (-)

Ion 174.00 (173.70 to 174.70): VF061865.D (-1073) (-)

Ion 176.00 (175.70 to 176.70): VF061865.D (-1073) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.03 min

Lab File: VF061865.D

Acq: 8 Mar 2019 16:23

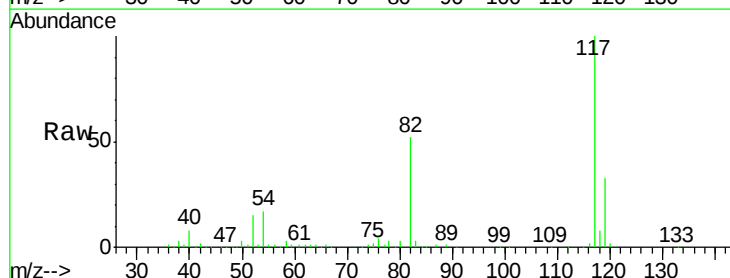
Tgt Ion: 117 Resp: 288186

Ion Ratio Lower Upper

117 100

82 51.8 42.6 63.8

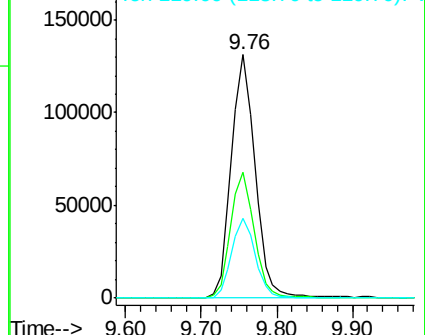
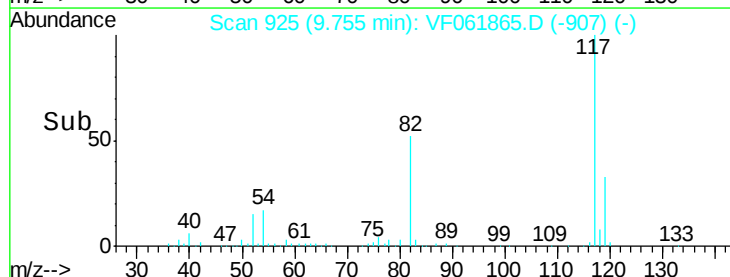
119 32.9 26.0 39.0

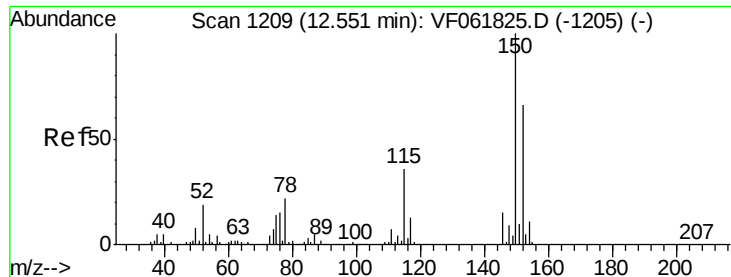


Abundance Ion 117.00 (116.70 to 117.70): VF061865.D (-907) (-)

Ion 82.00 (81.70 to 82.70): VF061865.D (-907) (-)

Ion 119.00 (118.70 to 119.70): VF061865.D (-907) (-)



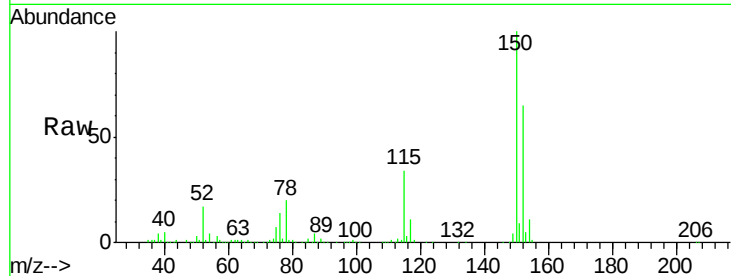


#72

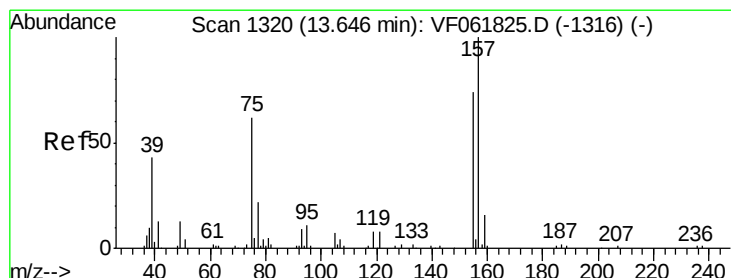
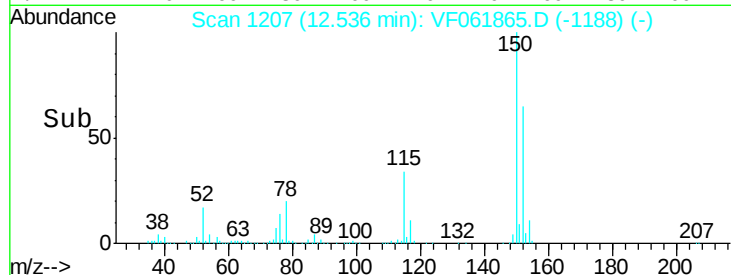
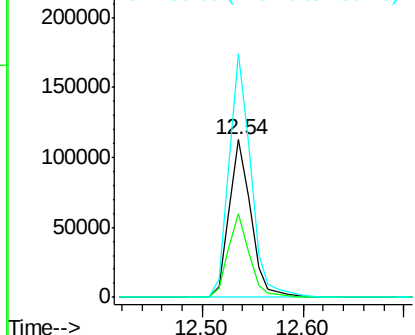
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061865.D
Acq: 8 Mar 2019 16:23

Instrument :
MSVOA_F
ClientSampleId :
TP-1

Tot Ion:152 Resp: 169634
Ion Ratio Lower Upper
152 100
115 53.2 27.7 83.1
150 154.9 0.0 304.2



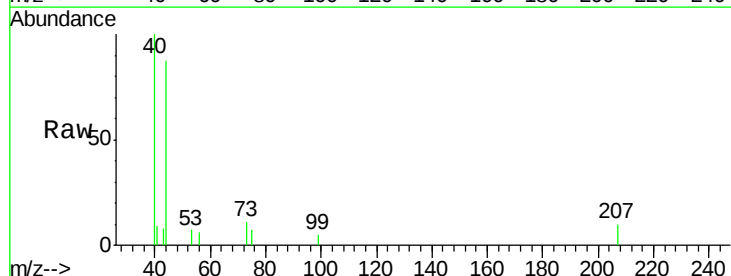
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#92

1,2-Dibromo-3-Chloropropane
Concen: 3.984 ug/l
RT: 13.59 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VF061865.D
Acq: 8 Mar 2019 16:23

Tgt Ion: 75 Resp: 79
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

