

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061806.D
 Acq On : 1 Mar 2019 16:53
 Operator : VA/AP
 Sample : K1675-01
 Misc : 4.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-11-A

Quant Time: Mar 02 02:46:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	289733	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	449428	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	360593	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	188902	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	103158	48.55	ug/l	-0.03
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	4.10	113	160860	48.20	ug/l	-0.02
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	7.54	98	412977	43.04	ug/l	-0.02
Spiked Amount			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.39	95	171430	44.16	ug/l	-0.02
Spiked Amount			Recovery	=	88.32%	

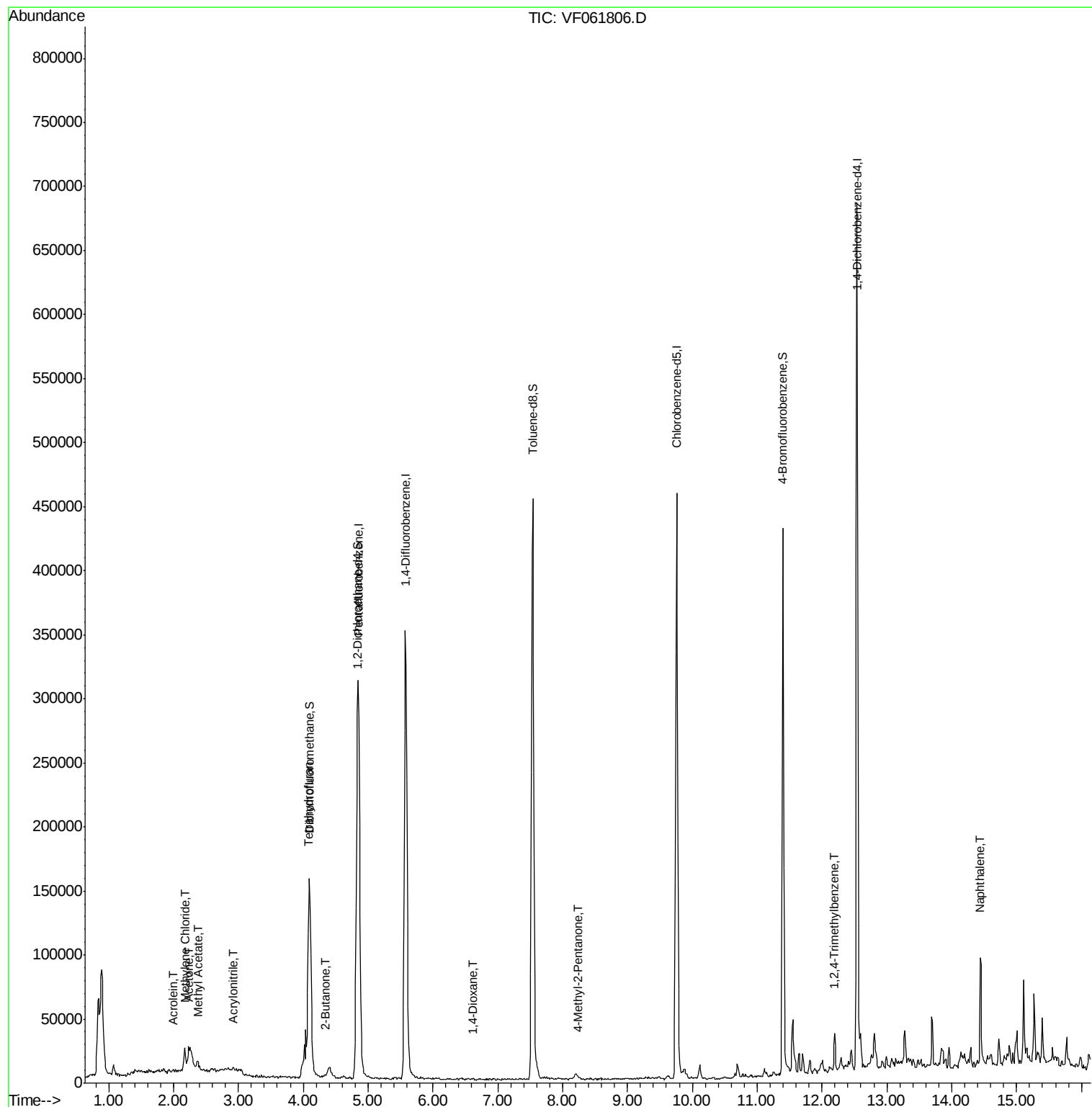
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.99	56	788	5.099	ug/l	93
15) Acrylonitrile	2.92	53	736	1.687	ug/l #	62
16) Acetone	2.23	43	7009	15.375	ug/l #	85
18) Methyl Acetate	2.36	43	2834	2.760	ug/l #	59
20) Methylene Chloride	2.17	84	8775	1.129	ug/l	94
25) 2-Butanone	4.33	43	1397	1.403	ug/l #	89
29) Tetrahydrofuran	4.08	42	1579	3.489	ug/l #	80
49) 1,4-Dioxane	6.61	88	63	4.550	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	2014	1.152	ug/l #	60
84) 1,2,4-Trimethylbenzene	12.19	105	13891	1.301	ug/l	98
95) Naphthalene	14.44	128	16663	2.157	ug/l	97

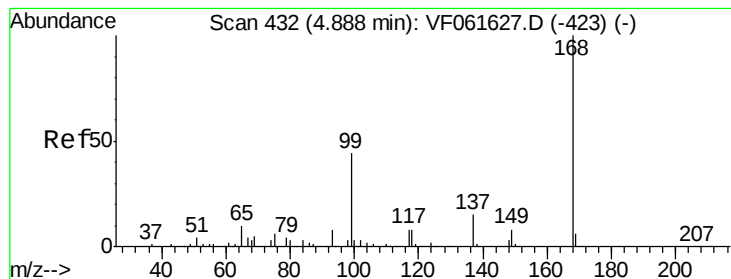
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
Data File : VF061806.D
Acq On : 1 Mar 2019 16:53
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Quant Time: Mar 02 02:46:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

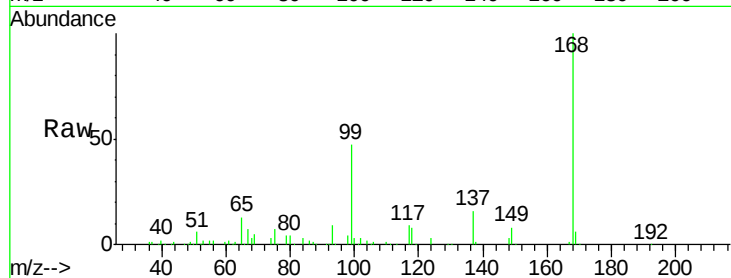
Instrument :
MSVOA_F
ClientSampleId :
Z-3-11-A

Tot Ion:168 Resp: 289733

Ion Ratio Lower Upper

168 100

99 47.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

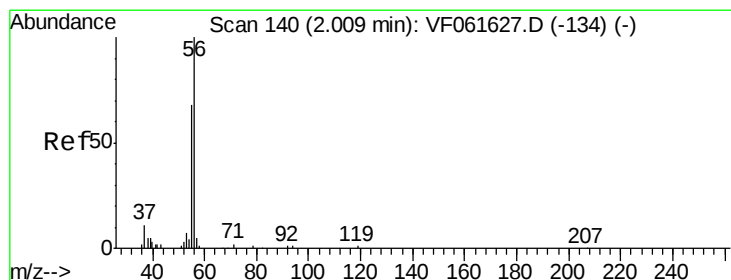
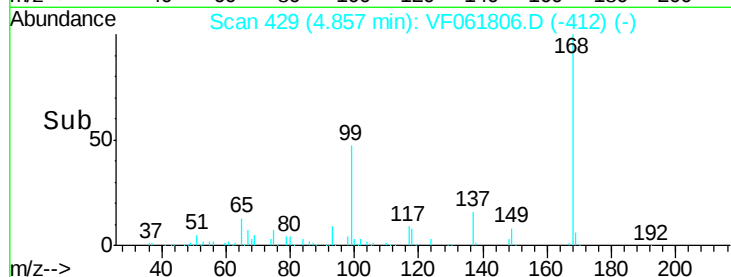
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 5.099 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061806.D

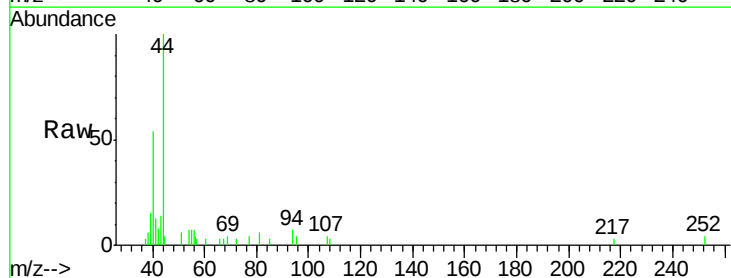
Acq: 1 Mar 2019 16:53

Tgt Ion: 56 Resp: 788

Ion Ratio Lower Upper

56 100

55 63.3 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

500

400

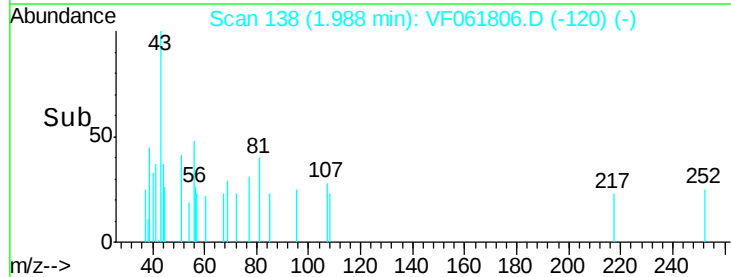
300

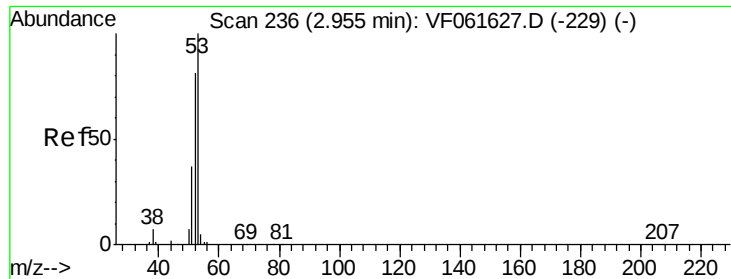
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.687 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

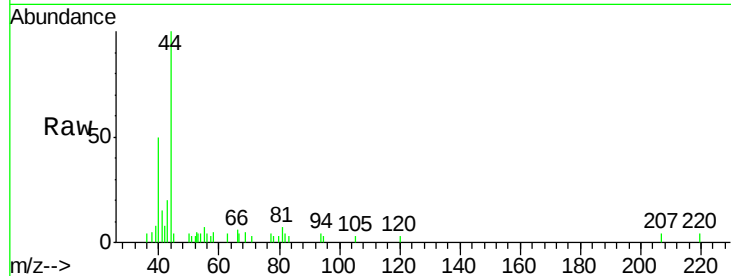
Tot Ion: 53 Resp: 736

Ion Ratio Lower Upper

53 100

52 35.1 64.6 97.0#

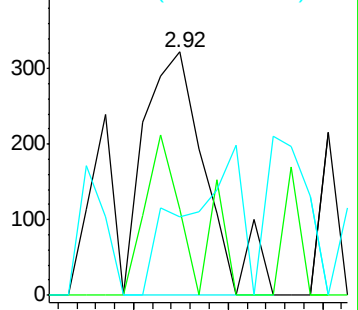
51 32.3 29.8 44.8



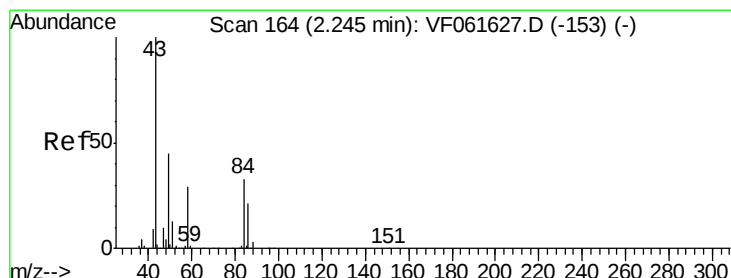
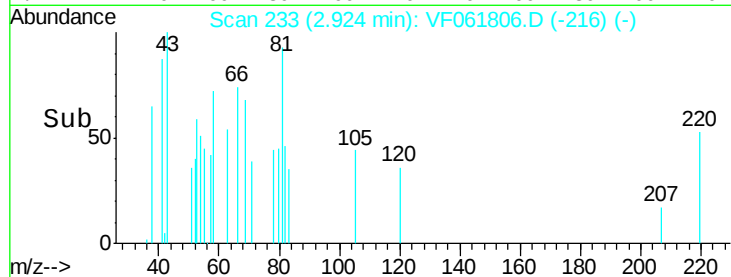
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 15.375 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061806.D

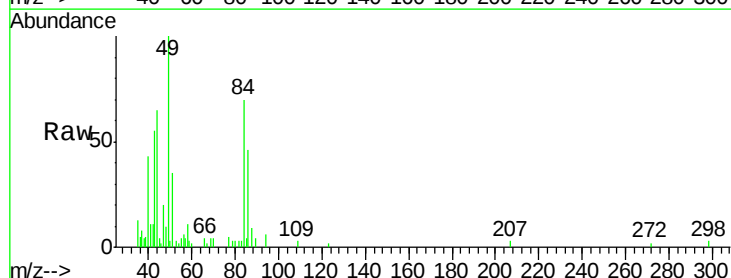
Acq: 1 Mar 2019 16:53

Tgt Ion: 43 Resp: 7009

Ion Ratio Lower Upper

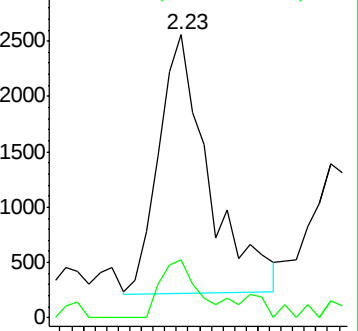
43 100

58 20.7 22.9 34.3#

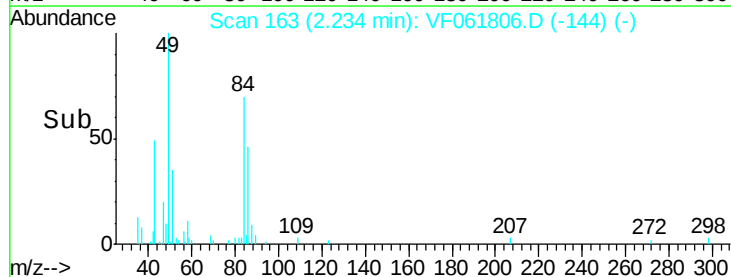


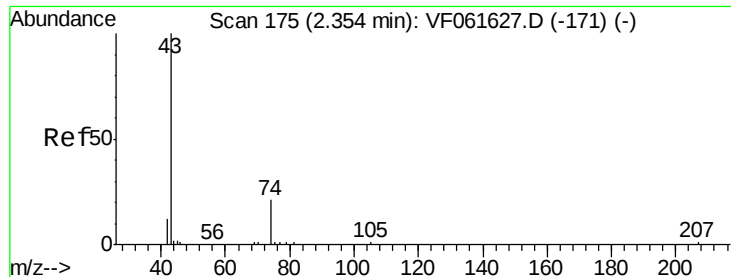
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

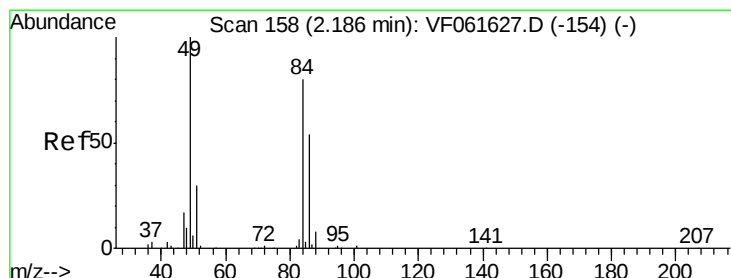
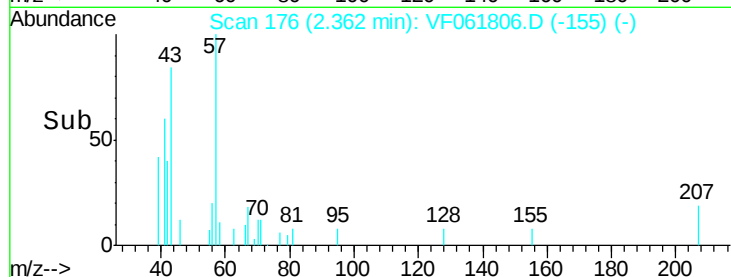
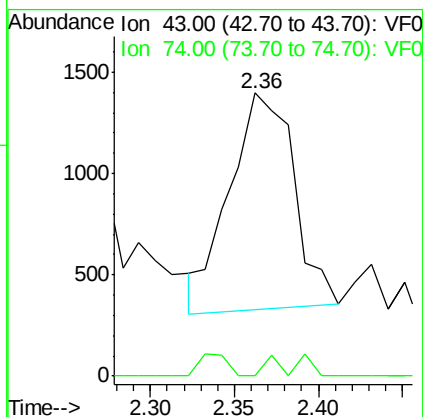
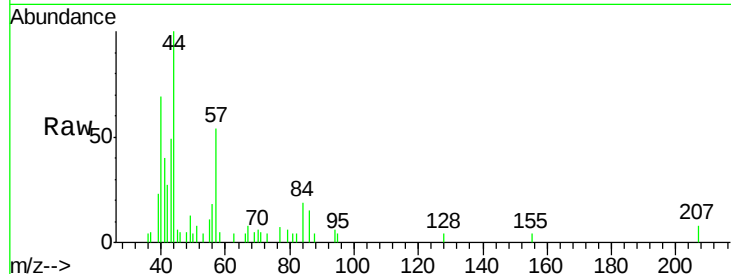




#18
Methyl Acetate
Concen: 2.760 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061806.D
Acq: 1 Mar 2019 16:53

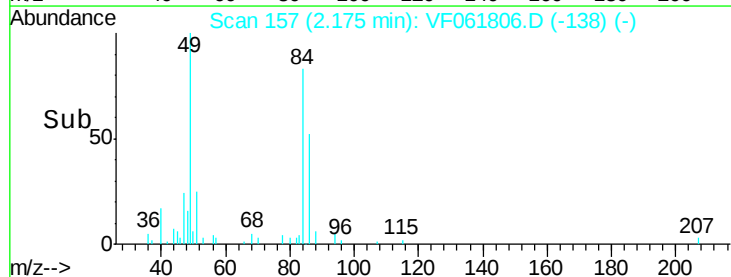
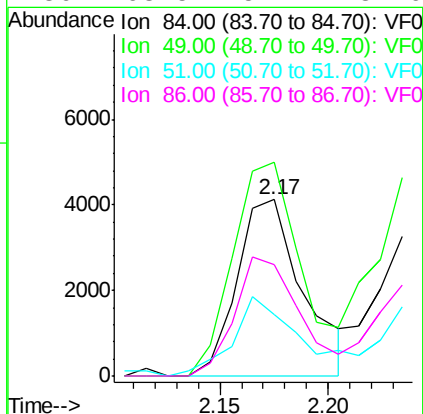
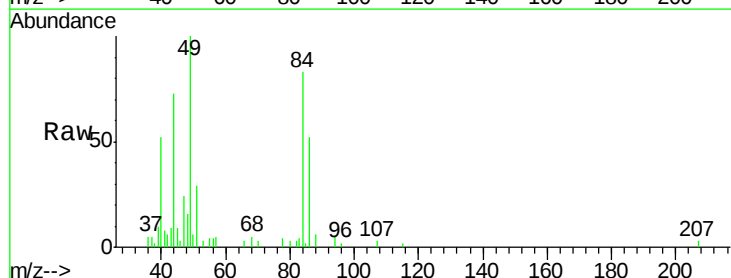
Instrument :
MSVOA_F
ClientSampleId :
Z-3-11-A

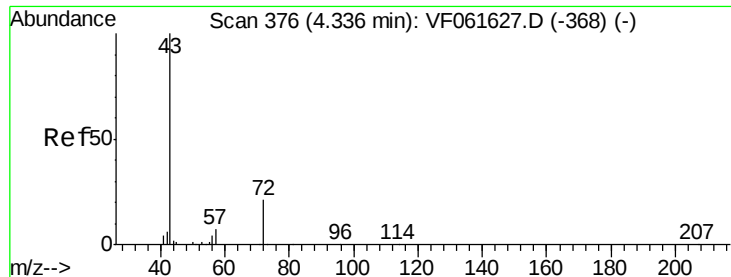
Tot Ion: 43 Resp: 2834
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 1.129 ug/l
RT: 2.17 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061806.D
Acq: 1 Mar 2019 16:53

Tgt Ion: 84 Resp: 8775
Ion Ratio Lower Upper
84 100
49 121.2 101.8 152.8
51 34.8 31.1 46.7
86 63.5 54.4 81.6





#25

2-Butanone

Concen: 1.403 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

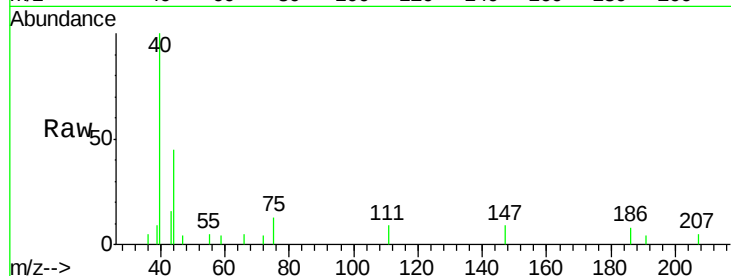
Z-3-11-A

Tot Ion: 43 Resp: 1397

Ion Ratio Lower Upper

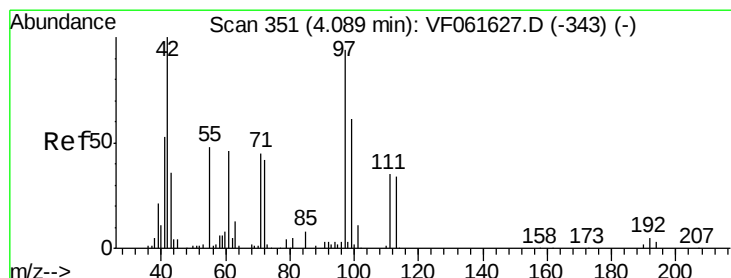
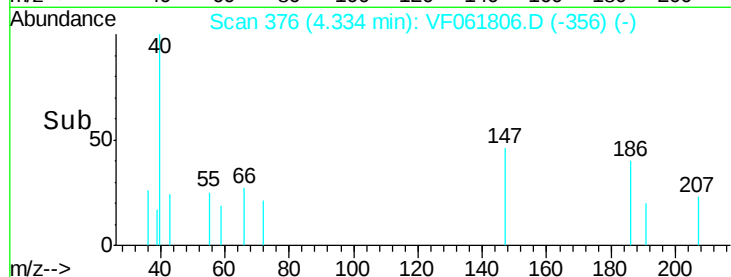
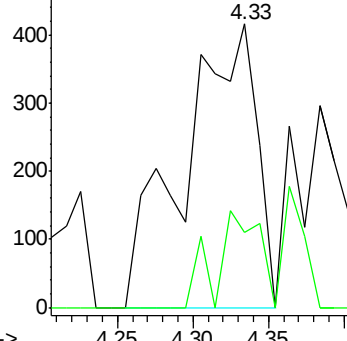
43 100

72 26.4 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 3.489 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

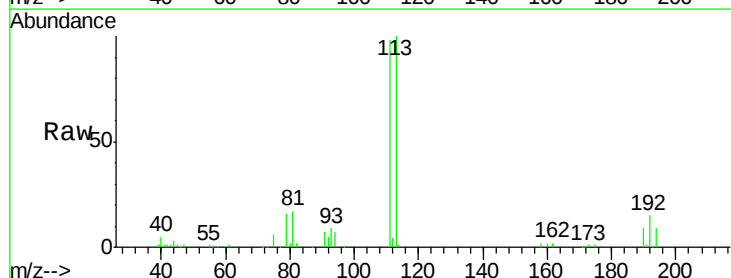
Tgt Ion: 42 Resp: 1579

Ion Ratio Lower Upper

42 100

72 38.3 35.2 52.8

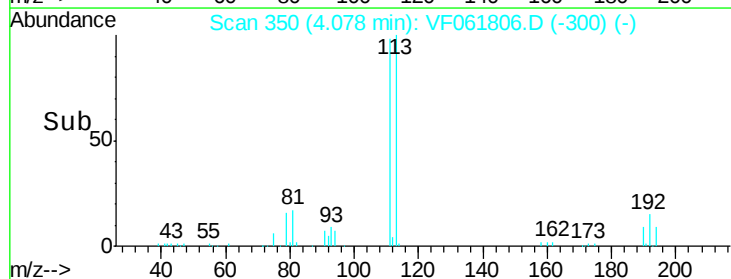
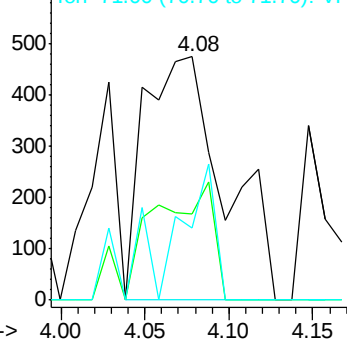
71 21.4 32.9 49.3#

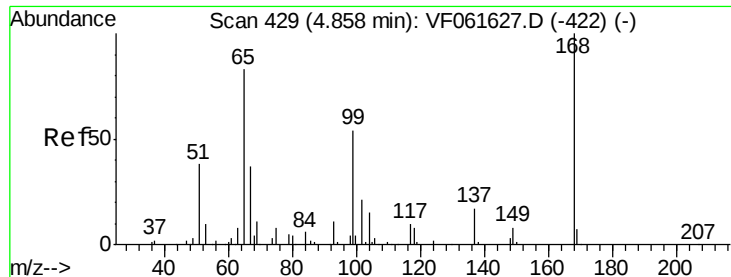


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

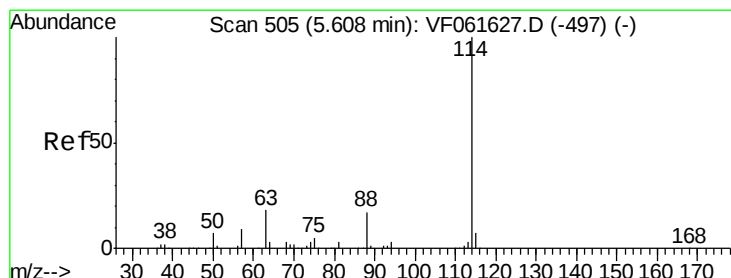
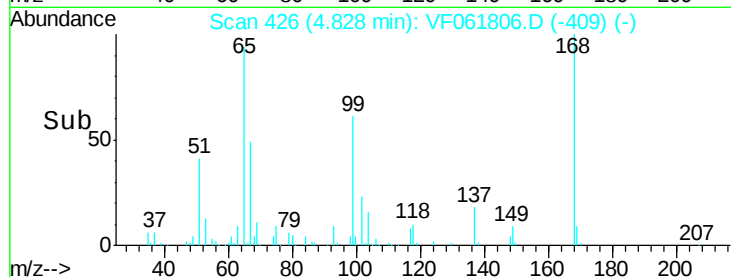
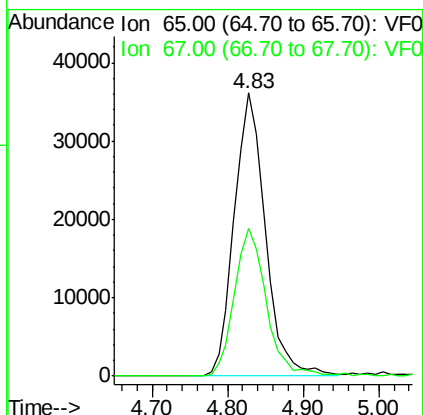
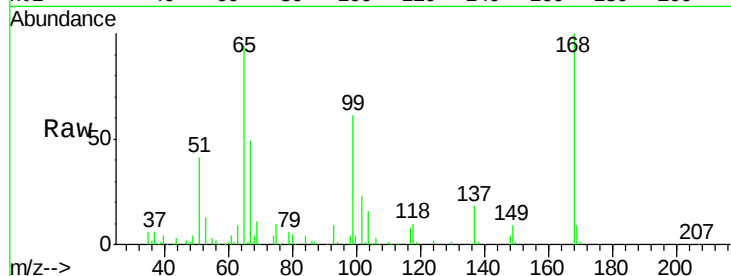




#33
 1,2-Dichloroethane-d4
 Concen: 48.553 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061806.D
 Acq: 1 Mar 2019 16:53

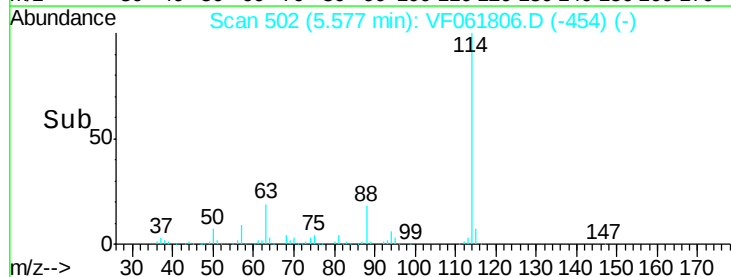
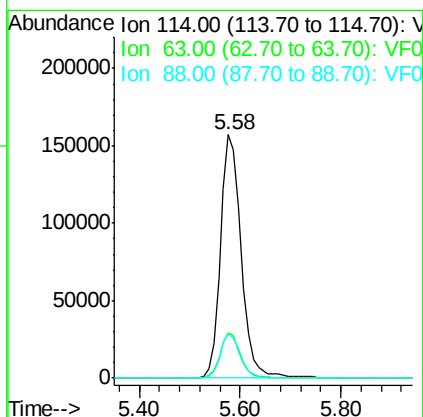
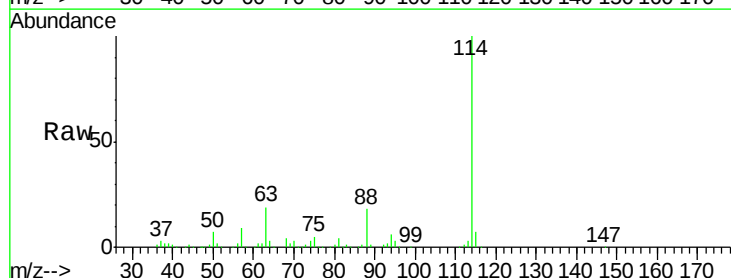
Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-11-A

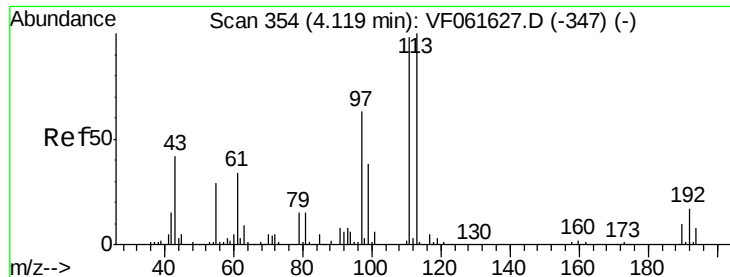
Tot Ion: 65 Resp: 103158
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061806.D
 Acq: 1 Mar 2019 16:53

Tgt Ion: 114 Resp: 449428
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.6
 88 18.1 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.198 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

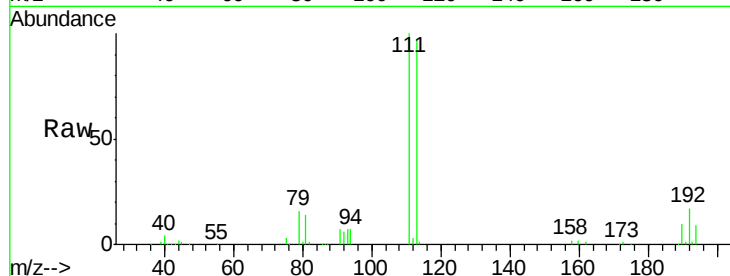
Tot Ion:113 Resp: 160860

Ion Ratio Lower Upper

113 100

111 102.7 78.8 118.2

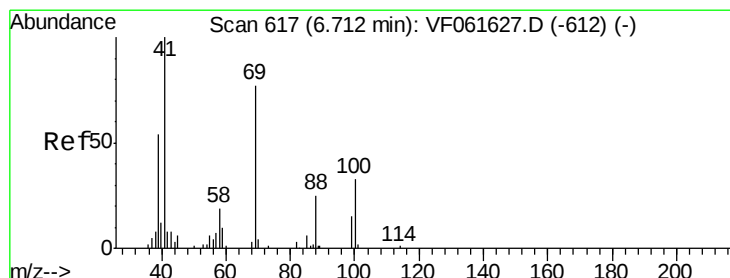
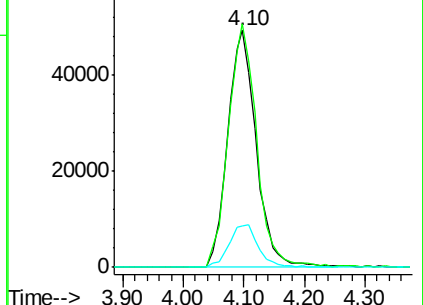
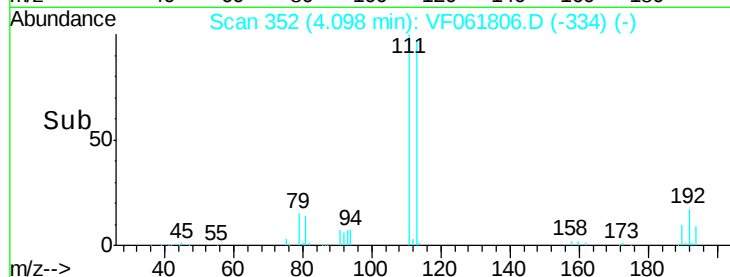
192 17.2 13.4 20.0



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: 4.550 ug/l

RT: 6.61 min Scan# 607

Delta R.T. -0.10 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

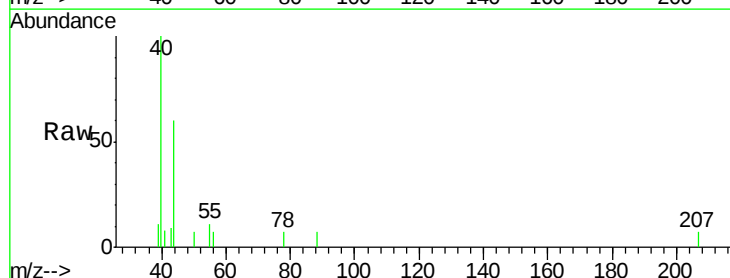
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 117.8 32.3 48.5#

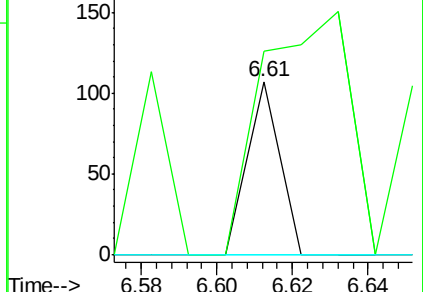
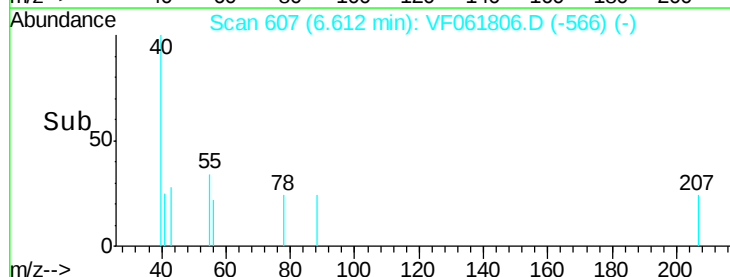
58 0.0 59.4 89.2#

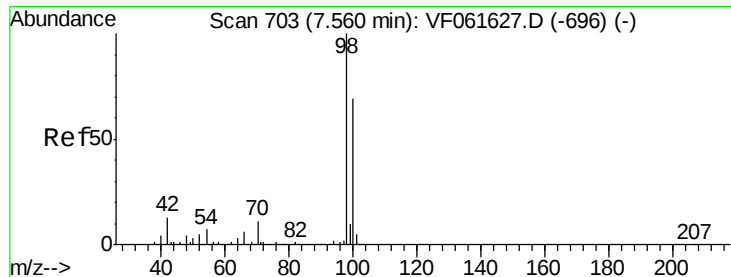


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 43.044 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

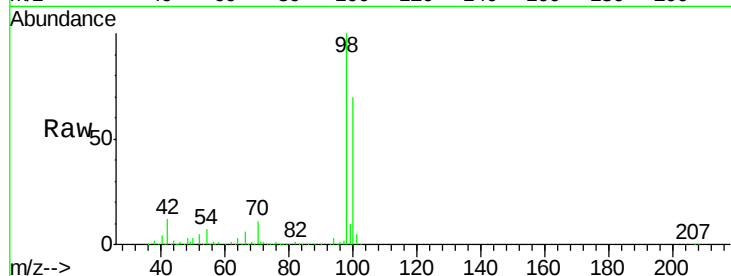
Z-3-11-A

Tot Ion: 98 Resp: 412977

Ion Ratio Lower Upper

98 100

100 70.0 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200000

150000

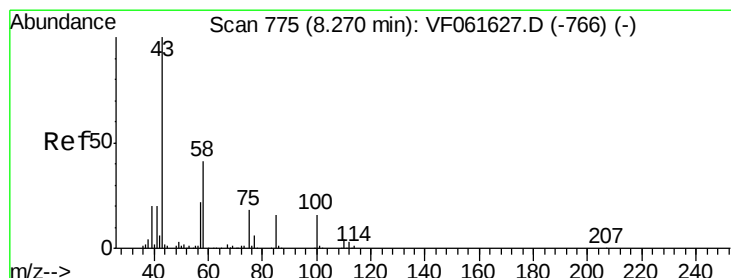
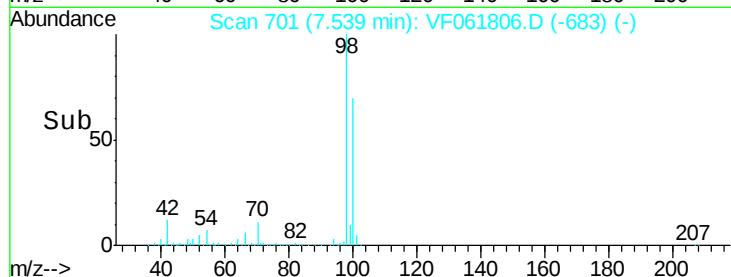
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.152 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061806.D

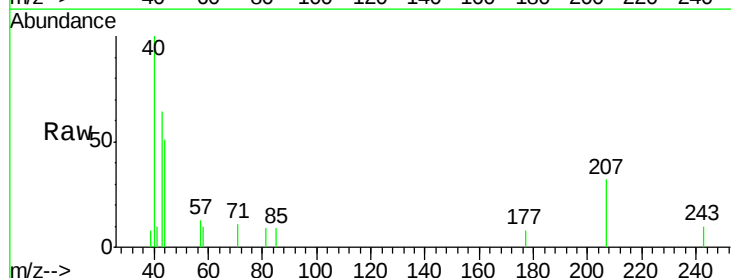
Acq: 1 Mar 2019 16:53

Tgt Ion: 43 Resp: 2014

Ion Ratio Lower Upper

43 100

58 16.4 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1000

800

600

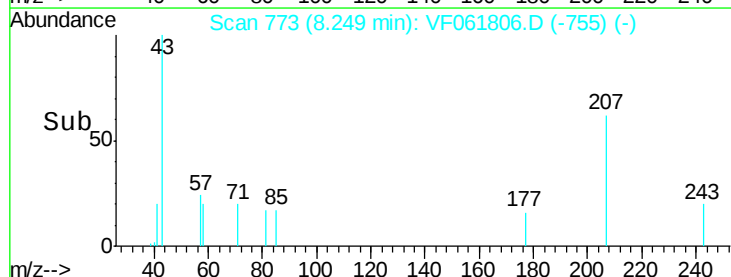
400

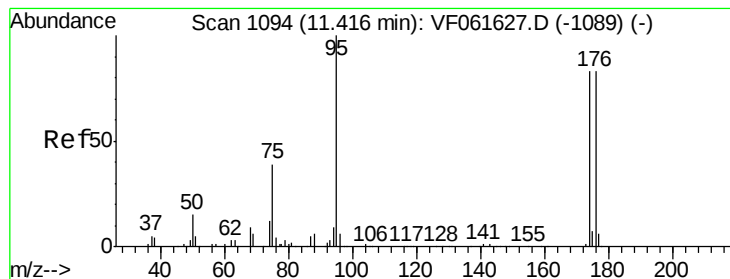
200

0

8.20 8.25 8.30

Time-->





#62

4-Bromofluorobenzene

Concen: 44.160 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

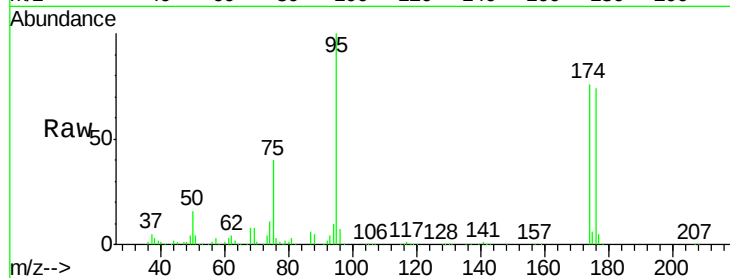
Tot Ion: 95 Resp: 171430

Ion Ratio Lower Upper

95 100

174 75.9 0.0 165.8

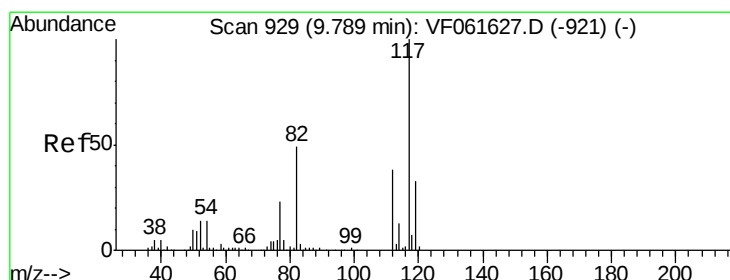
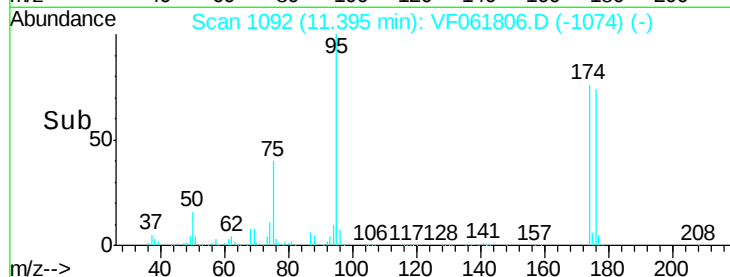
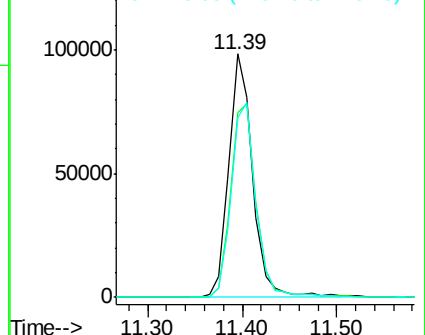
176 73.7 0.0 167.0



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. -0.03 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

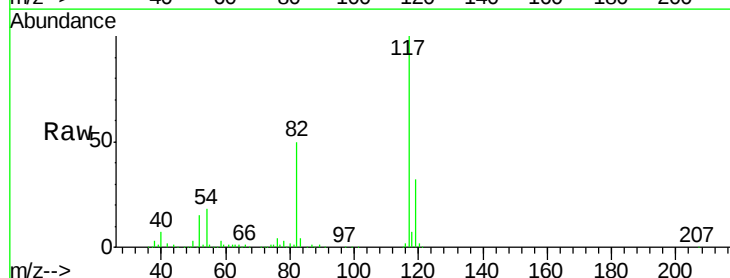
Tgt Ion: 117 Resp: 360593

Ion Ratio Lower Upper

117 100

82 50.5 39.3 58.9

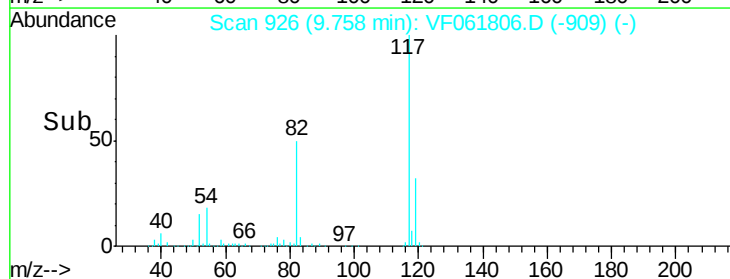
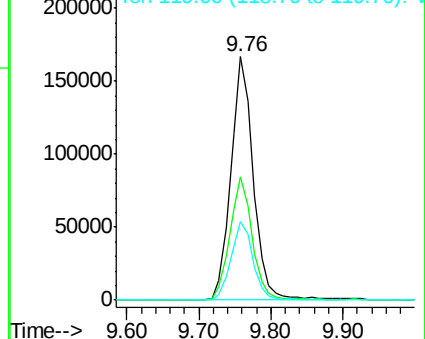
119 32.0 26.6 40.0

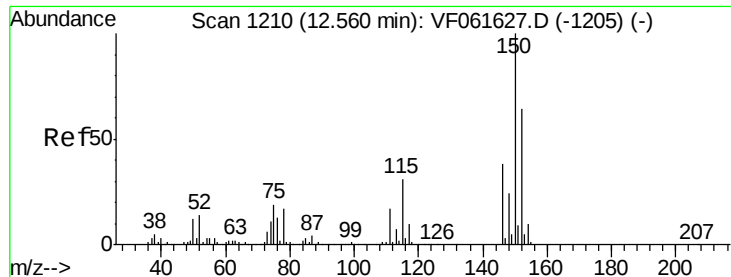


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

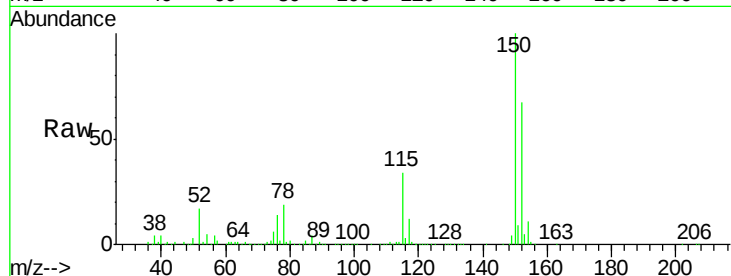
Tot Ion:152 Resp: 188902

Ion Ratio Lower Upper

152 100

115 50.9 24.3 72.8

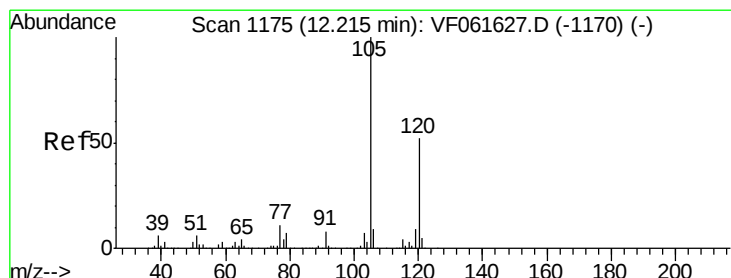
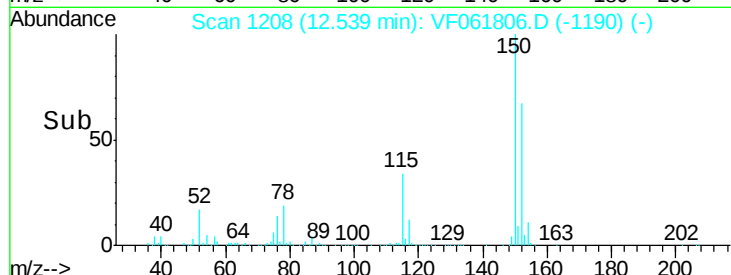
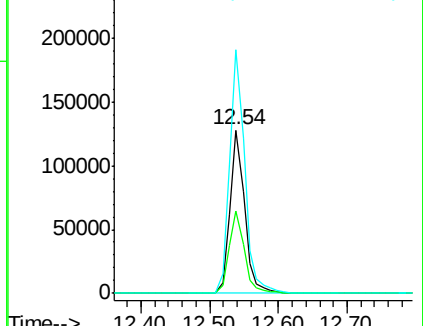
150 149.3 0.0 312.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.301 ug/l

RT: 12.19 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061806.D

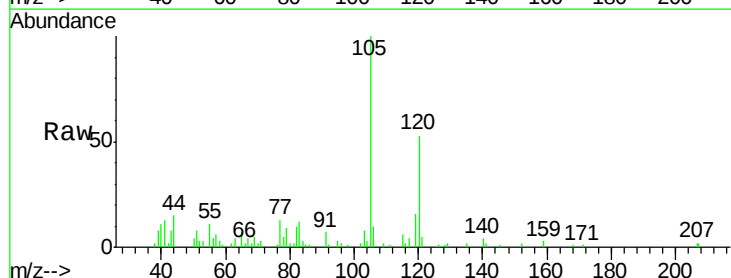
Acq: 1 Mar 2019 16:53

Tgt Ion:105 Resp: 13891

Ion Ratio Lower Upper

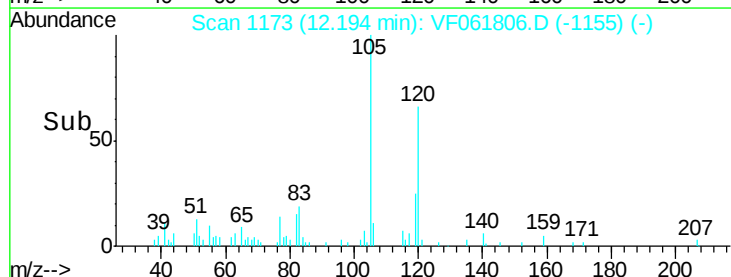
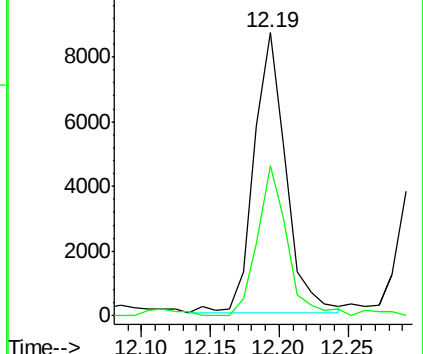
105 100

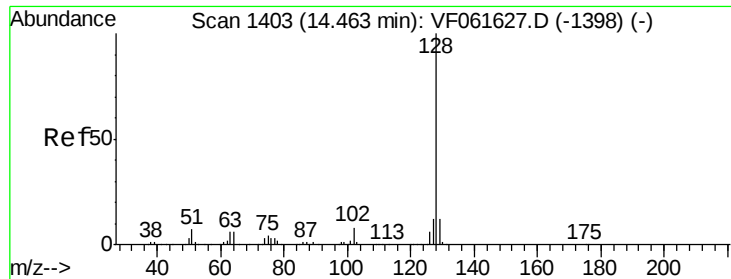
120 53.3 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

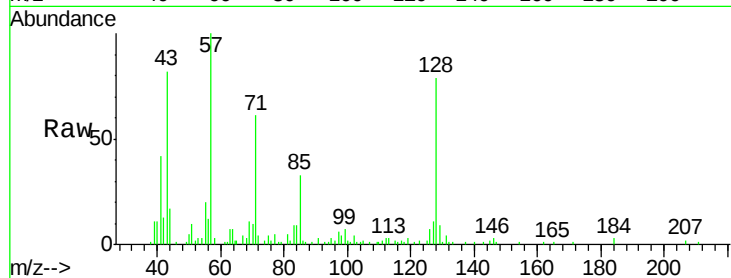




#95
Naphthalene
Concen: 2.157 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061806.D
Acq: 1 Mar 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
Z-3-11-A

Tot Ion:128 Resp: 16663
Ion Ratio Lower Upper
128 100
127 14.2 9.8 14.6
129 12.0 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

