

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061814.D
 Acq On : 1 Mar 2019 20:45
 Operator : VA/AP
 Sample : K1675-27
 Misc : 5.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-12-B

Quant Time: Mar 02 02:47:53 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	289794	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	465314	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	386855	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	212861	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	108375	51.00	ug/l	-0.03
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	4.10	113	158767	45.95	ug/l	-0.02
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	7.54	98	391867	39.45	ug/l	-0.02
Spiked Amount			Recovery	=	78.90%	
62) 4-Bromofluorobenzene	11.40	95	171568	42.69	ug/l	-0.02
Spiked Amount			Recovery	=	85.38%	

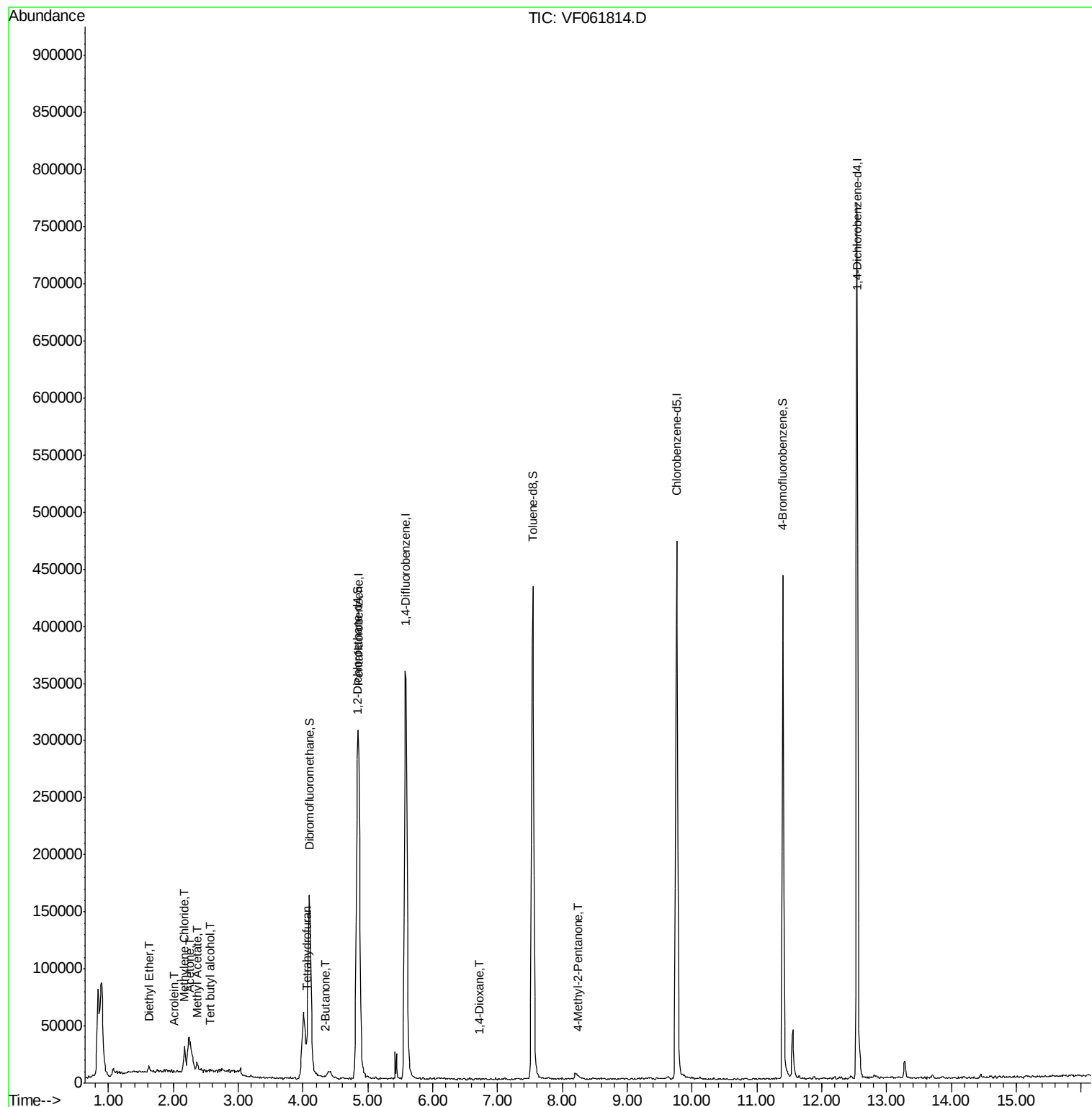
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1554	1.575	ug/l	97
11) Tert butyl alcohol	2.57	59	449	3.651	ug/l #	63
13) Acrolein	2.00	56	455	2.944	ug/l	85
16) Acetone	2.24	43	21048	46.163	ug/l	98
18) Methyl Acetate	2.36	43	3674	3.577	ug/l #	78
20) Methylene Chloride	2.18	84	10088	1.694	ug/l	95
25) 2-Butanone	4.34	43	2025	2.033	ug/l #	89
29) Tetrahydrofuran	4.05	42	1865	4.120	ug/l #	56
49) 1,4-Dioxane	6.72	88	74	5.162	ug/l #	20
51) 4-Methyl-2-Pentanone	8.24	43	2527	1.395	ug/l	99

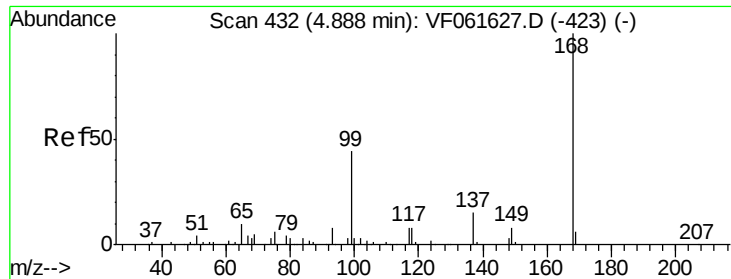
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
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Instrument :
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Quant Time: Mar 02 02:47:53 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: VF061814.D

Acq: 1 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampled :

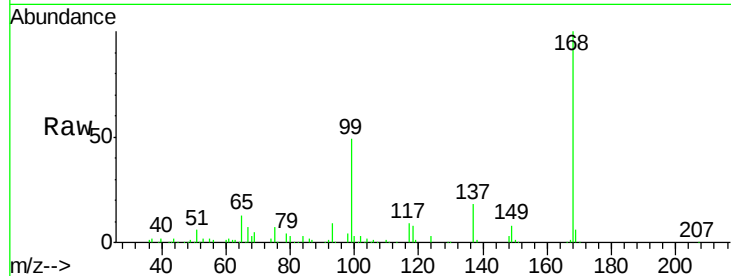
Z-3-12-B

Tot Ion:168 Resp: 289794

Ion Ratio Lower Upper

168 100

99 49.2 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

80000

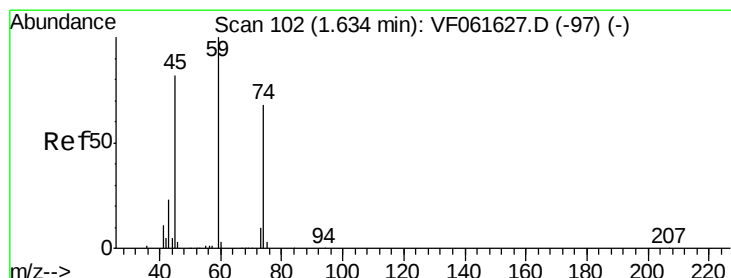
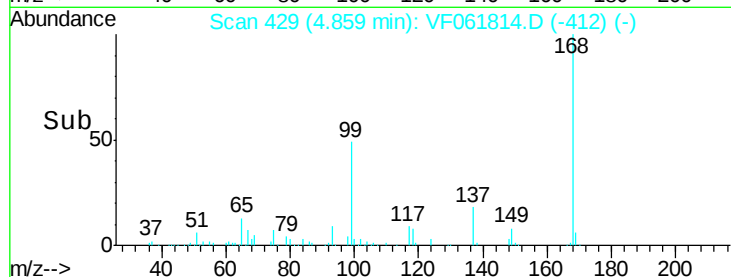
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.575 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061814.D

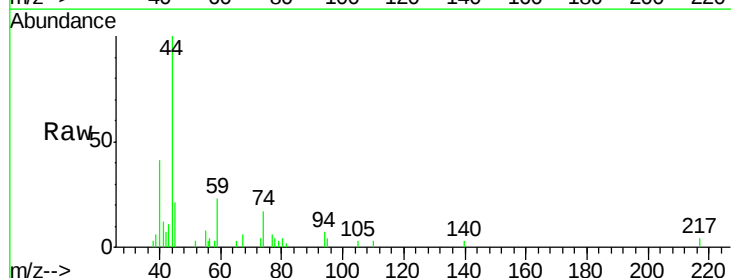
Acq: 1 Mar 2019 20:45

Tgt Ion: 74 Resp: 1554

Ion Ratio Lower Upper

74 100

45 124.9 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

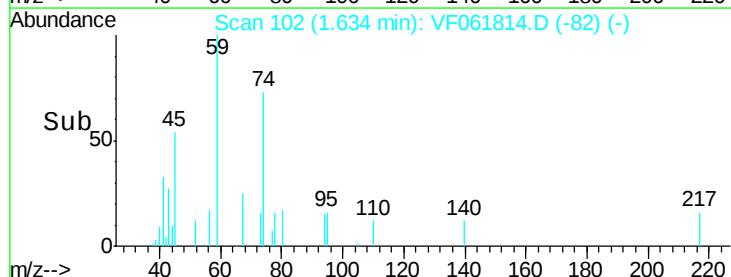
1500

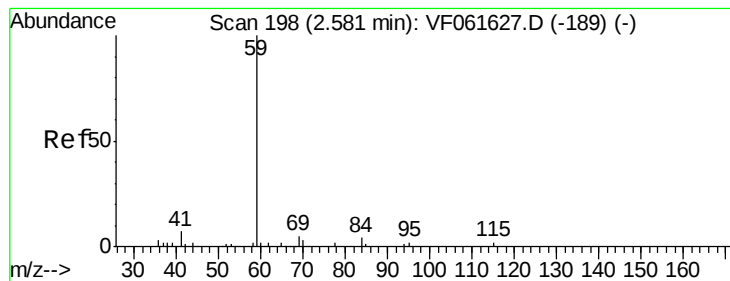
1000

500

0

Time-->



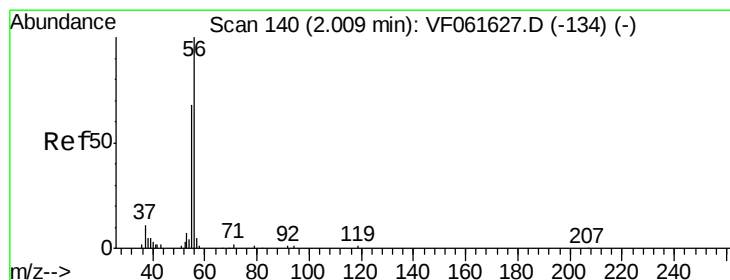
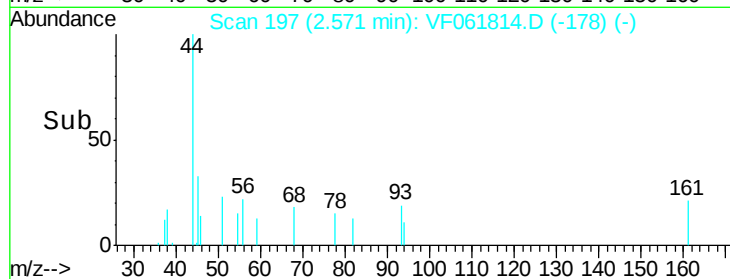
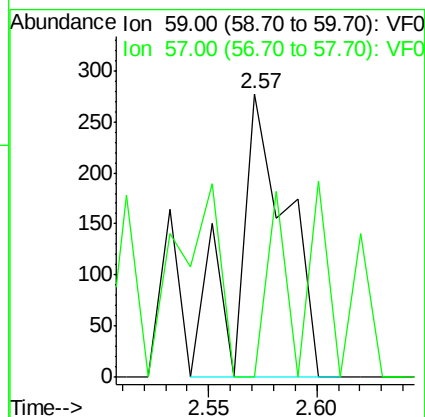
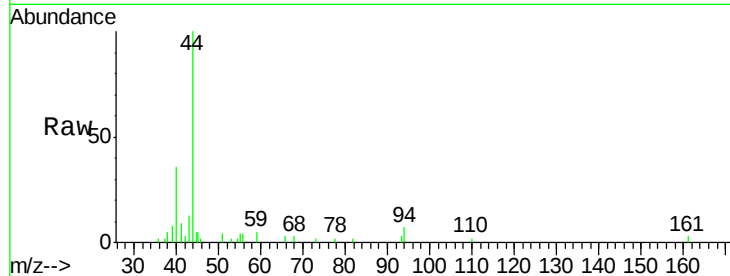


#11

Tert butyl alcohol
 Concen: 3.651 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061814.D
 Acq: 1 Mar 2019 20:45

Instrument :
 MSVOA_F
 ClientSampled :
 Z-3-12-B

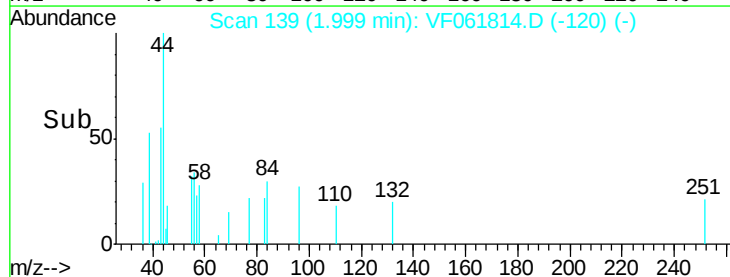
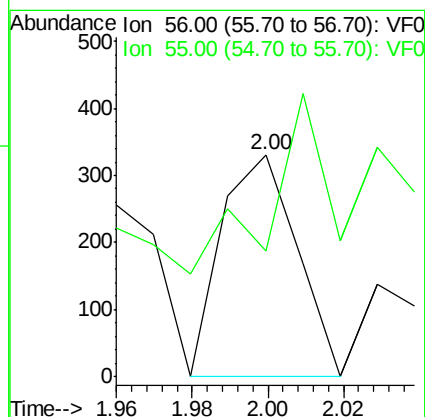
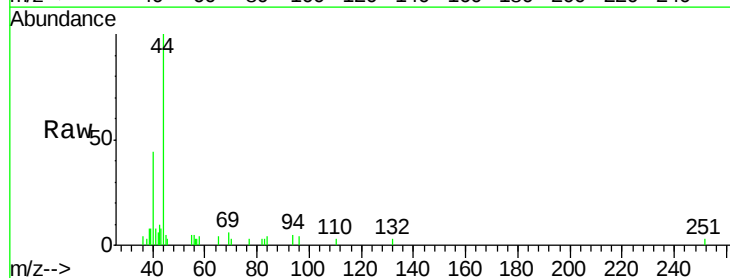
Tot Ion: 59 Resp: 449
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.5 18.7#

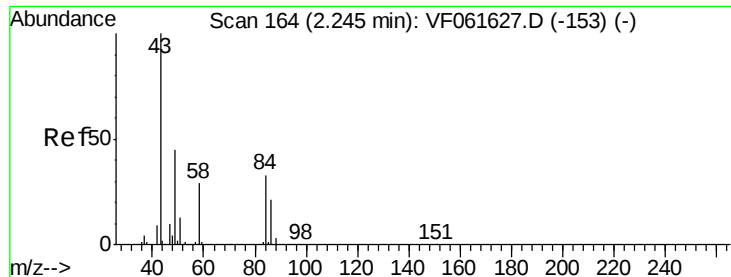


#13

Acrolein
 Concen: 2.944 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.01 min
 Lab File: VF061814.D
 Acq: 1 Mar 2019 20:45

Tgt Ion: 56 Resp: 455
 Ion Ratio Lower Upper
 56 100
 55 56.8 55.0 82.6





#16

Acetone

Concen: 46.163 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

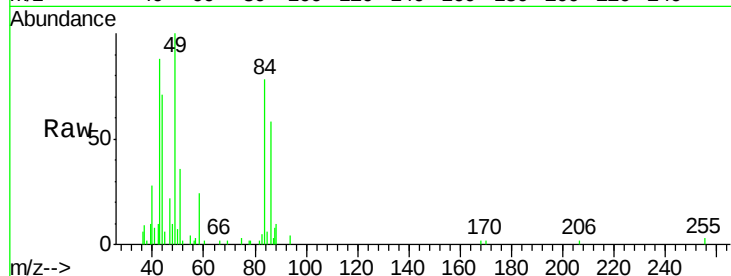
Z-3-12-B

Tot Ion: 43 Resp: 21048

Ion Ratio Lower Upper

43 100

58 27.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

6000

5000

4000

3000

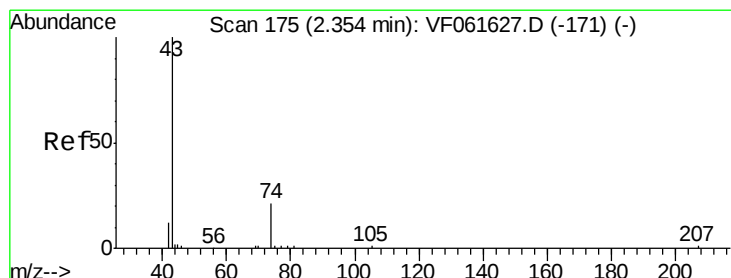
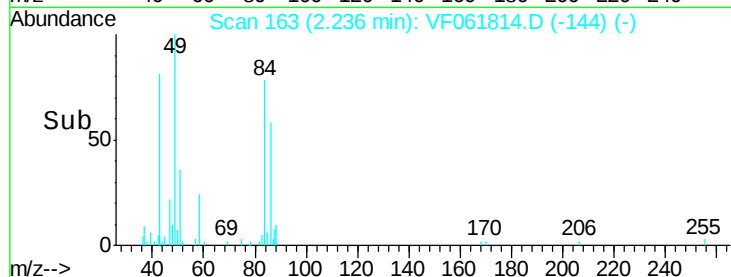
2000

1000

0

2.10 2.20 2.30

Time-->



#18

Methyl Acetate

Concen: 3.577 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061814.D

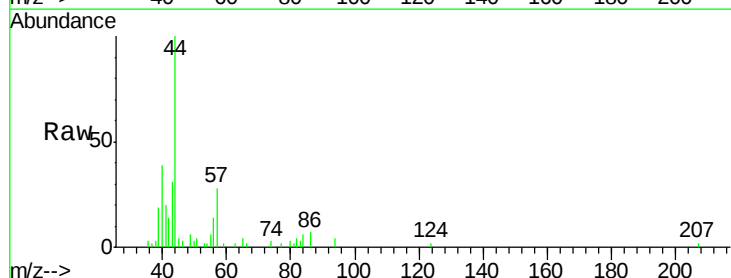
Acq: 1 Mar 2019 20:45

Tgt Ion: 43 Resp: 3674

Ion Ratio Lower Upper

43 100

74 8.2 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

1500

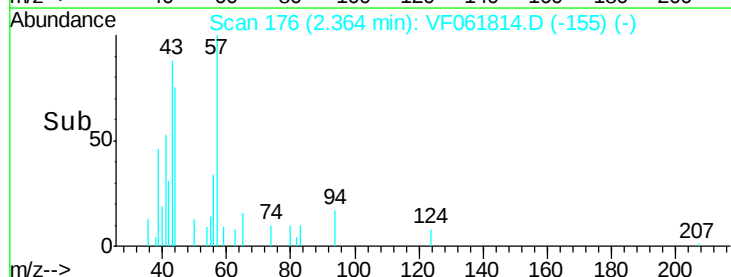
1000

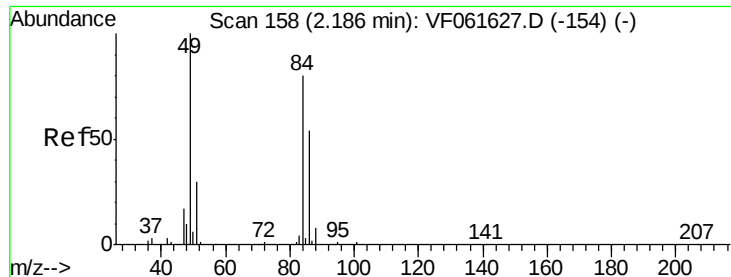
500

0

2.30 2.35 2.40 2.45

Time-->

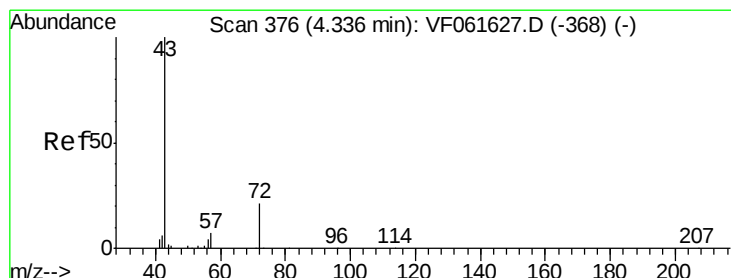
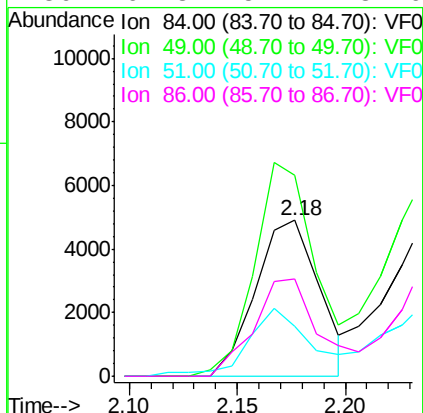
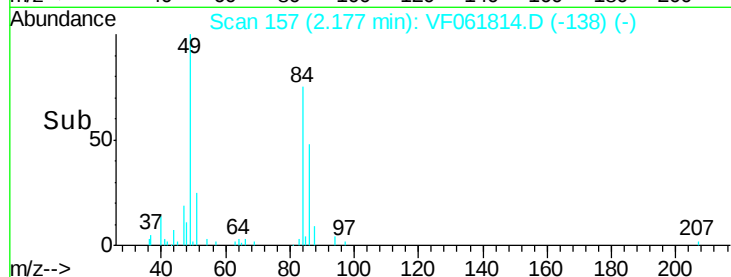
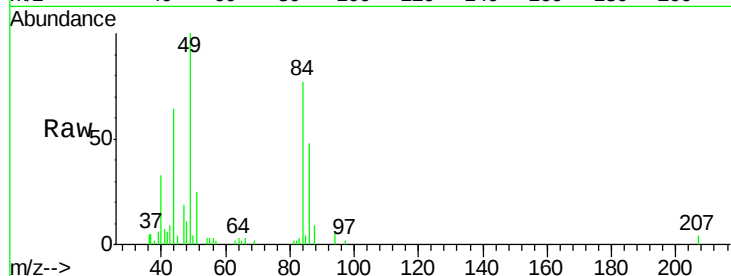




#20
Methvlene Chloride
Concen: 1.694 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

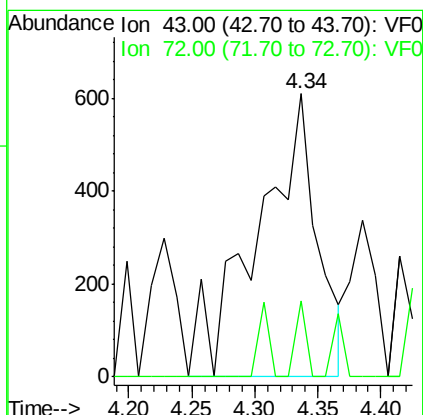
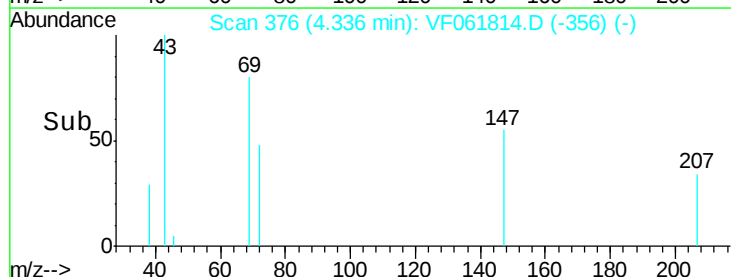
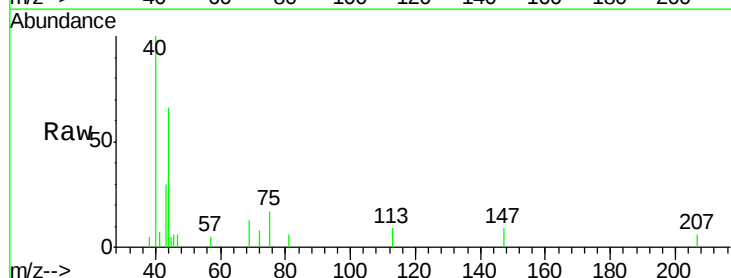
Instrument :
MSVOA_F
ClientSampleId :
Z-3-12-B

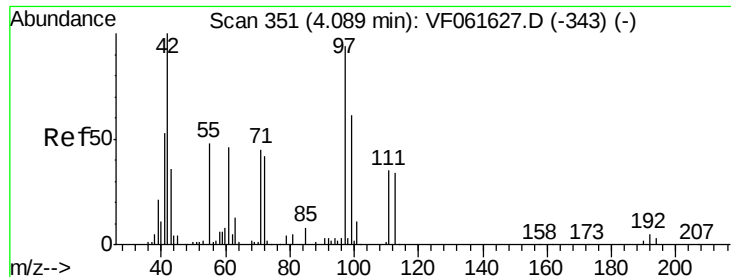
Tot Ion: 84 Resp: 10088
Ion Ratio Lower Upper
84 100
49 129.6 101.8 152.8
51 32.1 31.1 46.7
86 62.3 54.4 81.6



#25
2-Butanone
Concen: 2.033 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
72 26.8 17.1 25.7#

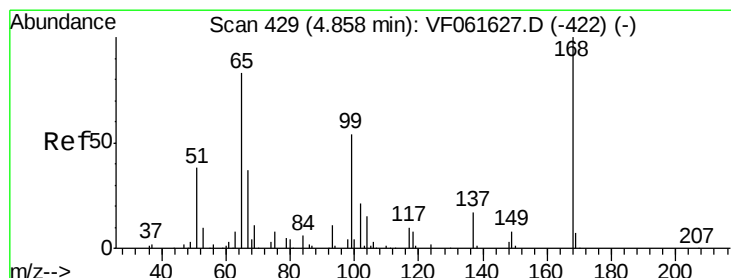
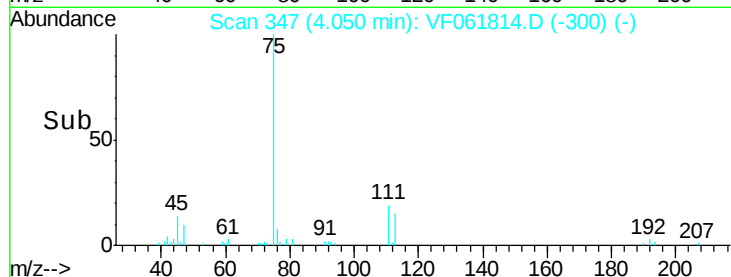
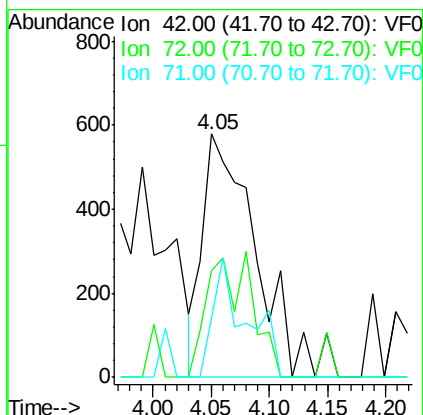
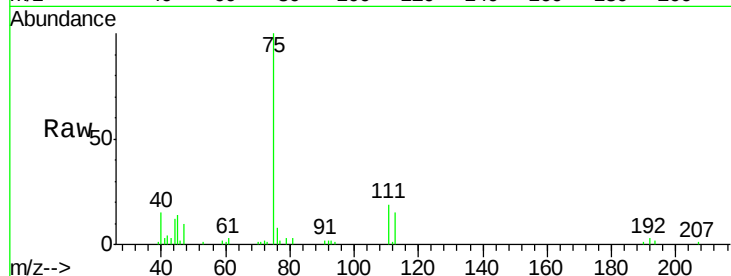




#29
Tetrahydrofuran
Concen: 4.120 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.04 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

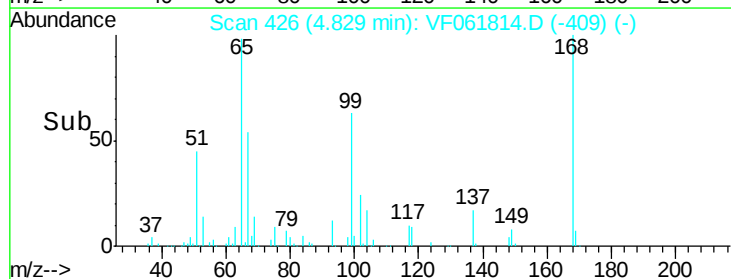
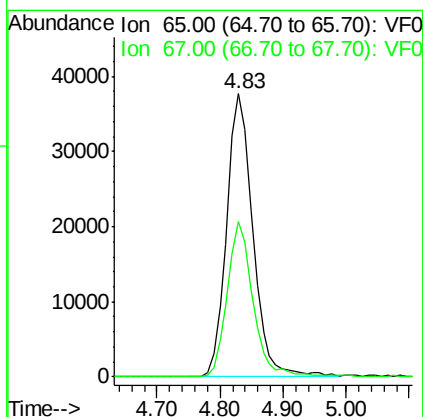
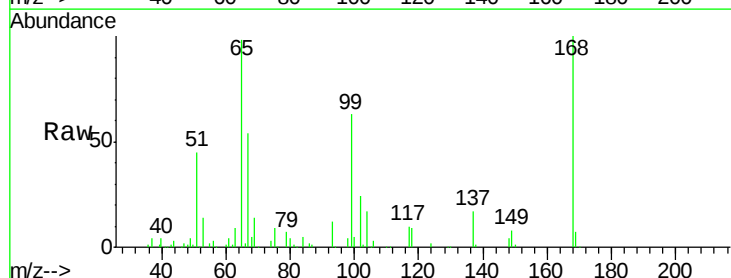
Instrument :
MSVOA_F
ClientSampleId :
Z-3-12-B

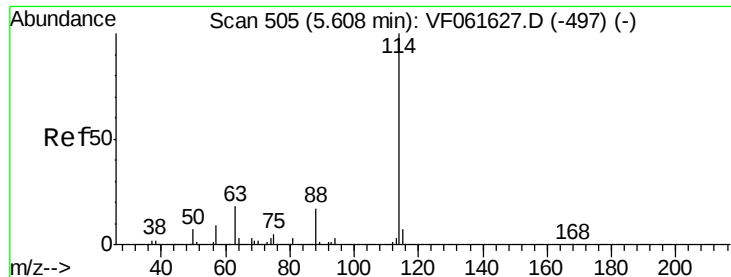
Tot Ion: 42 Resp: 1865
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 30.1 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 50.998 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

Tgt Ion: 65 Resp: 108375
Ion Ratio Lower Upper
65 100
67 55.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

Z-3-12-B

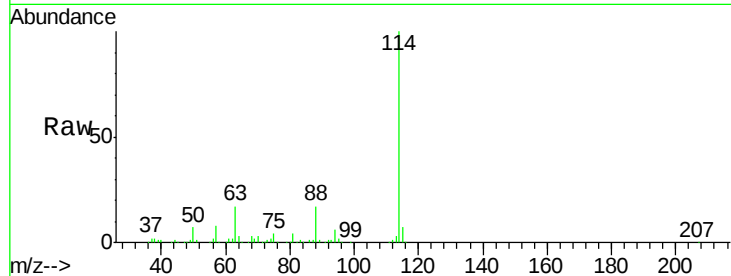
Tot Ion:114 Resp: 465314

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

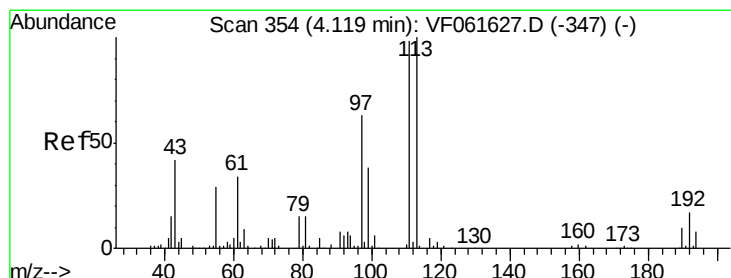
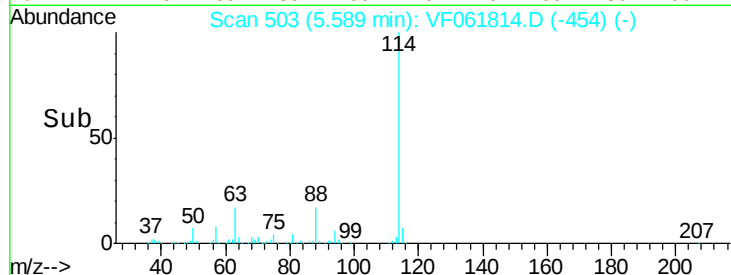
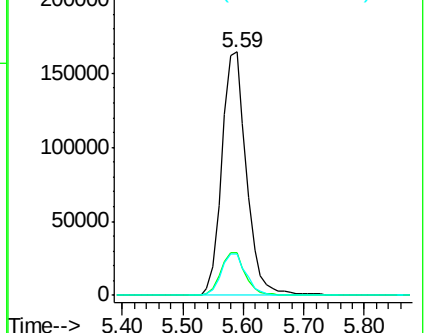
88 16.7 0.0 34.4



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: 45.947 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

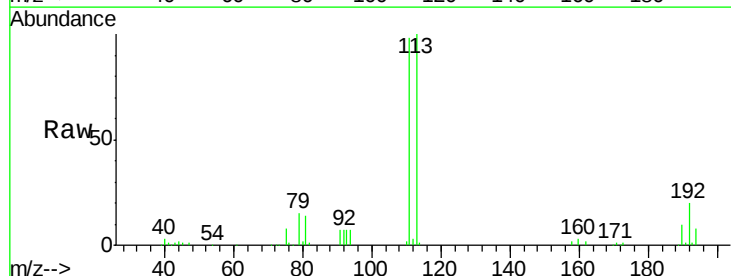
Tgt Ion:113 Resp: 158767

Ion Ratio Lower Upper

113 100

111 98.5 78.8 118.2

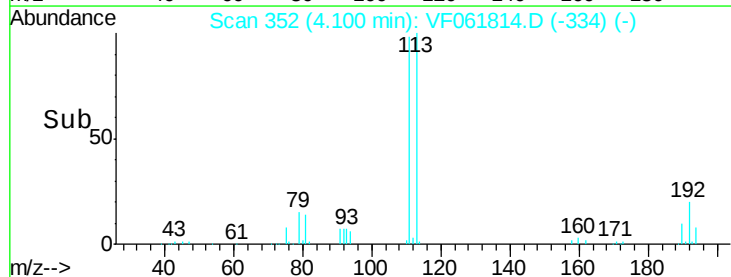
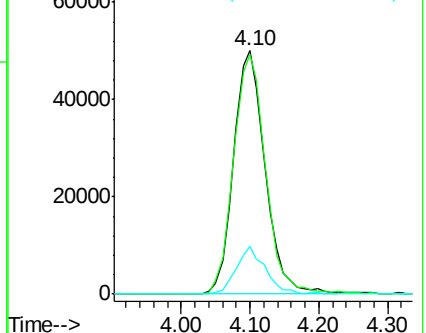
192 20.1 13.4 20.0#

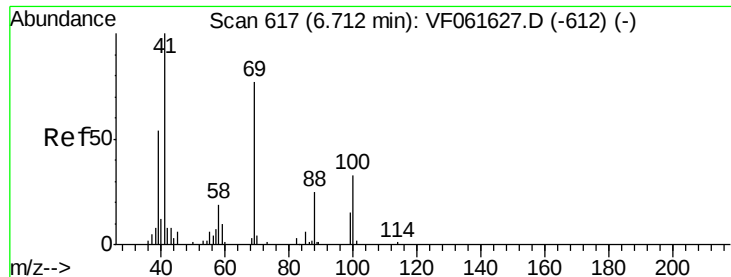


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 5.162 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

Z-3-12-B

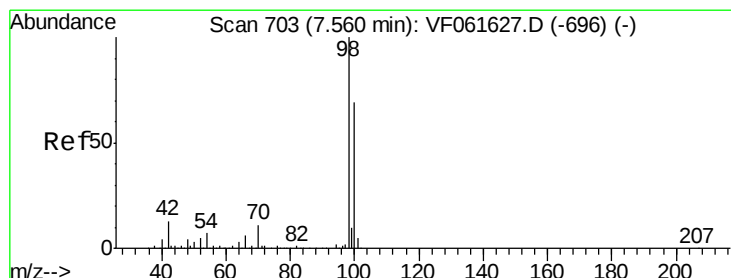
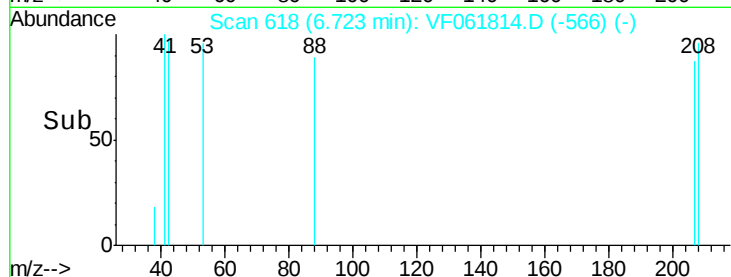
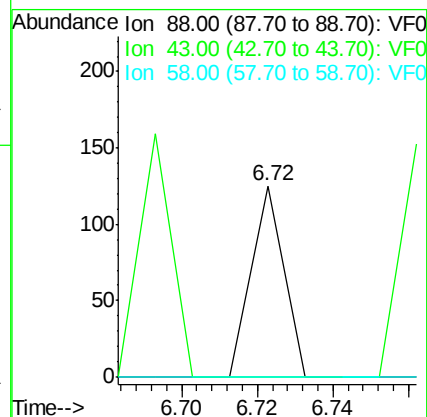
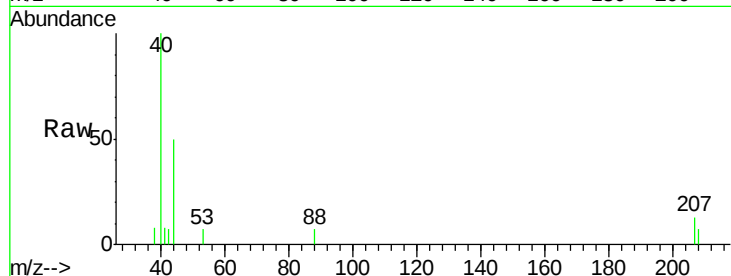
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

58 0.0 59.4 89.2#



#50

Toluene-d8

Concen: 39.449 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061814.D

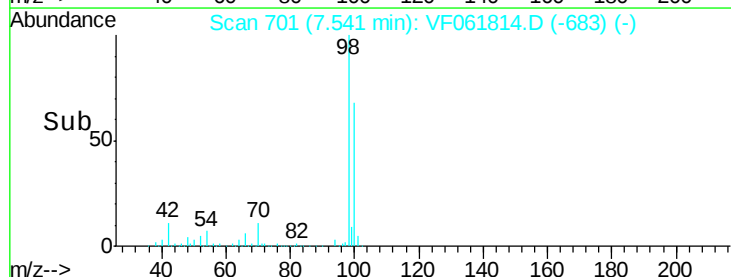
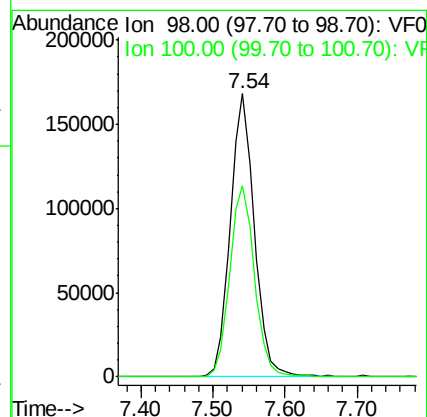
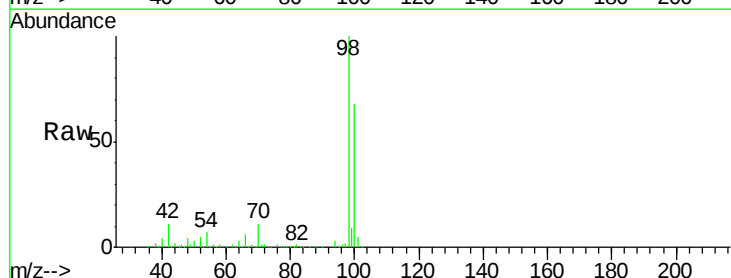
Acq: 1 Mar 2019 20:45

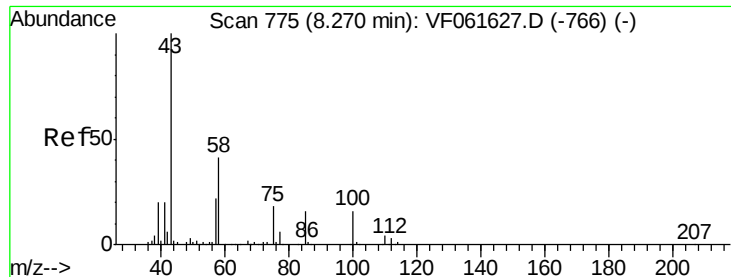
Tgt Ion: 98 Resp: 391867

Ion Ratio Lower Upper

98 100

100 67.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 1.395 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampled :

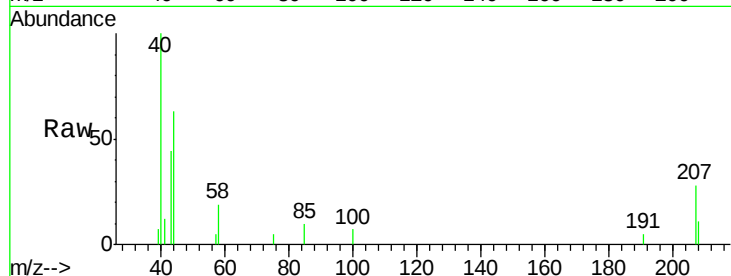
Z-3-12-B

Tot Ion: 43 Resp: 2527

Ion Ratio Lower Upper

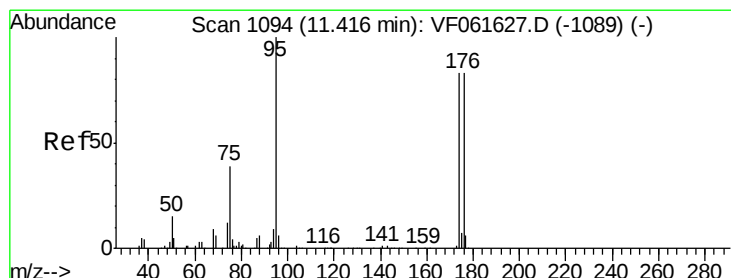
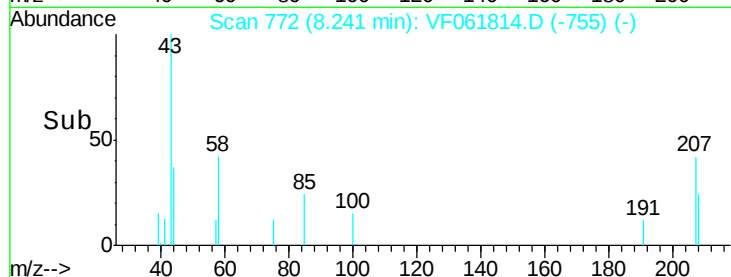
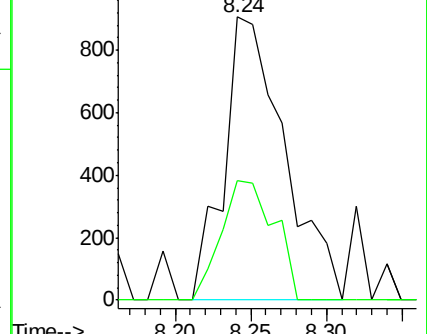
43 100

58 42.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 42.687 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061814.D

Acq: 1 Mar 2019 20:45

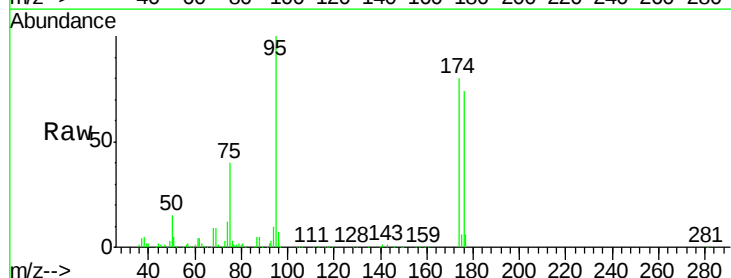
Tgt Ion: 95 Resp: 171568

Ion Ratio Lower Upper

95 100

174 80.3 0.0 165.8

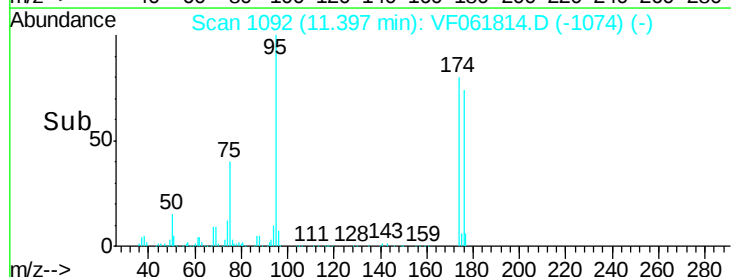
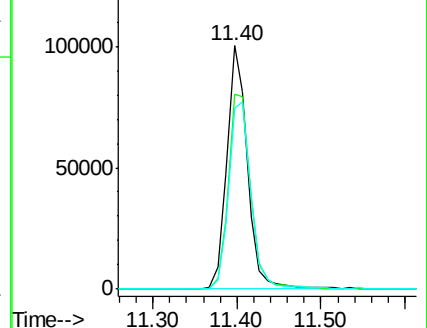
176 74.1 0.0 167.0

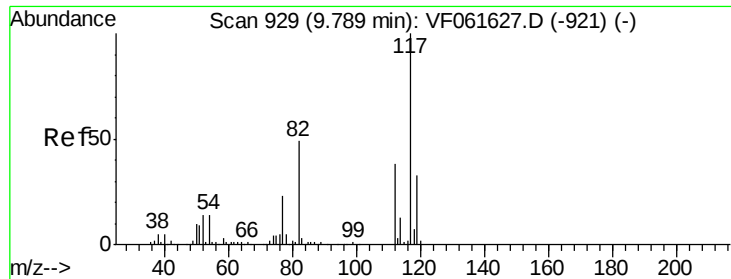


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

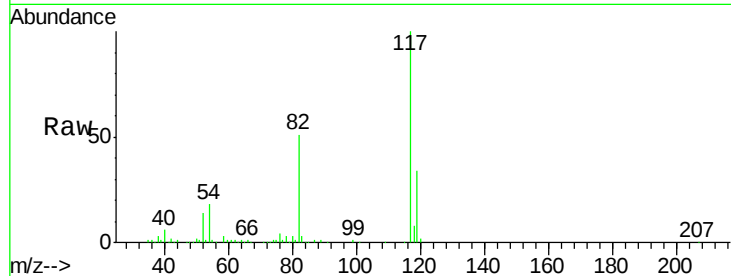




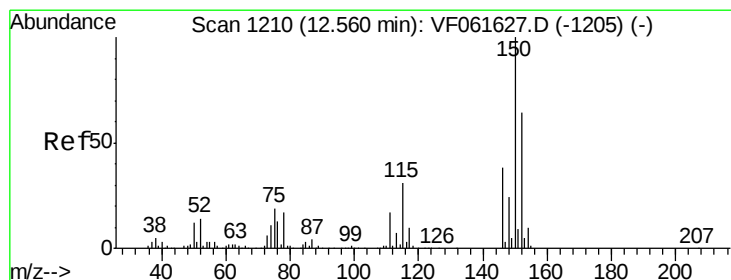
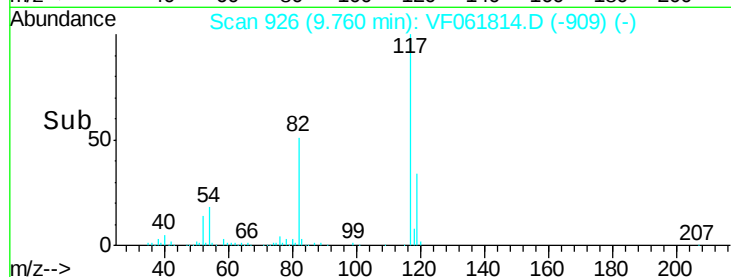
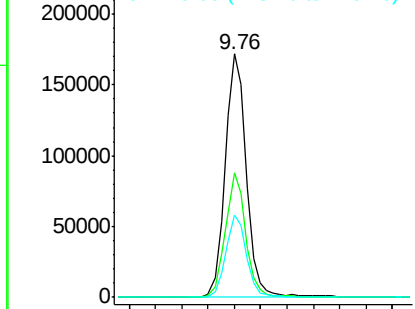
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

Instrument :
MSVOA_F
ClientSampleId :
Z-3-12-B

Tot Ion:117 Resp: 386855
Ion Ratio Lower Upper
117 100
82 51.0 39.3 58.9
119 33.8 26.6 40.0

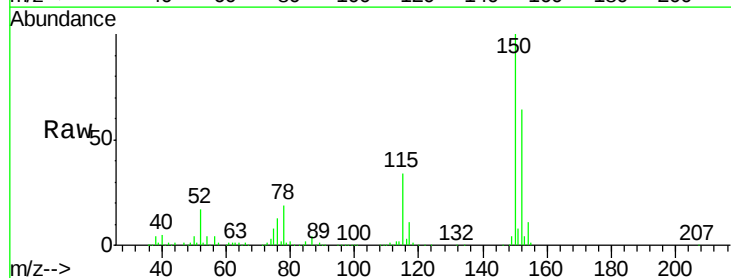


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061814.D
Acq: 1 Mar 2019 20:45

Tgt Ion:152 Resp: 212861
Ion Ratio Lower Upper
152 100
115 52.6 24.3 72.8
150 156.7 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

