

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062029.D
 Acq On : 19 Mar 2019 20:44
 Operator : VA/AP
 Sample : K1971-04
 Misc : 5.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	76696	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	112954	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	81584	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	28250	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	32580	59.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.02%	
35) Dibromofluoromethane	4.09	113	46992	61.95	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	123.90%	
50) Toluene-d8	7.53	98	102353	46.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	11.39	95	32439	36.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.66%	

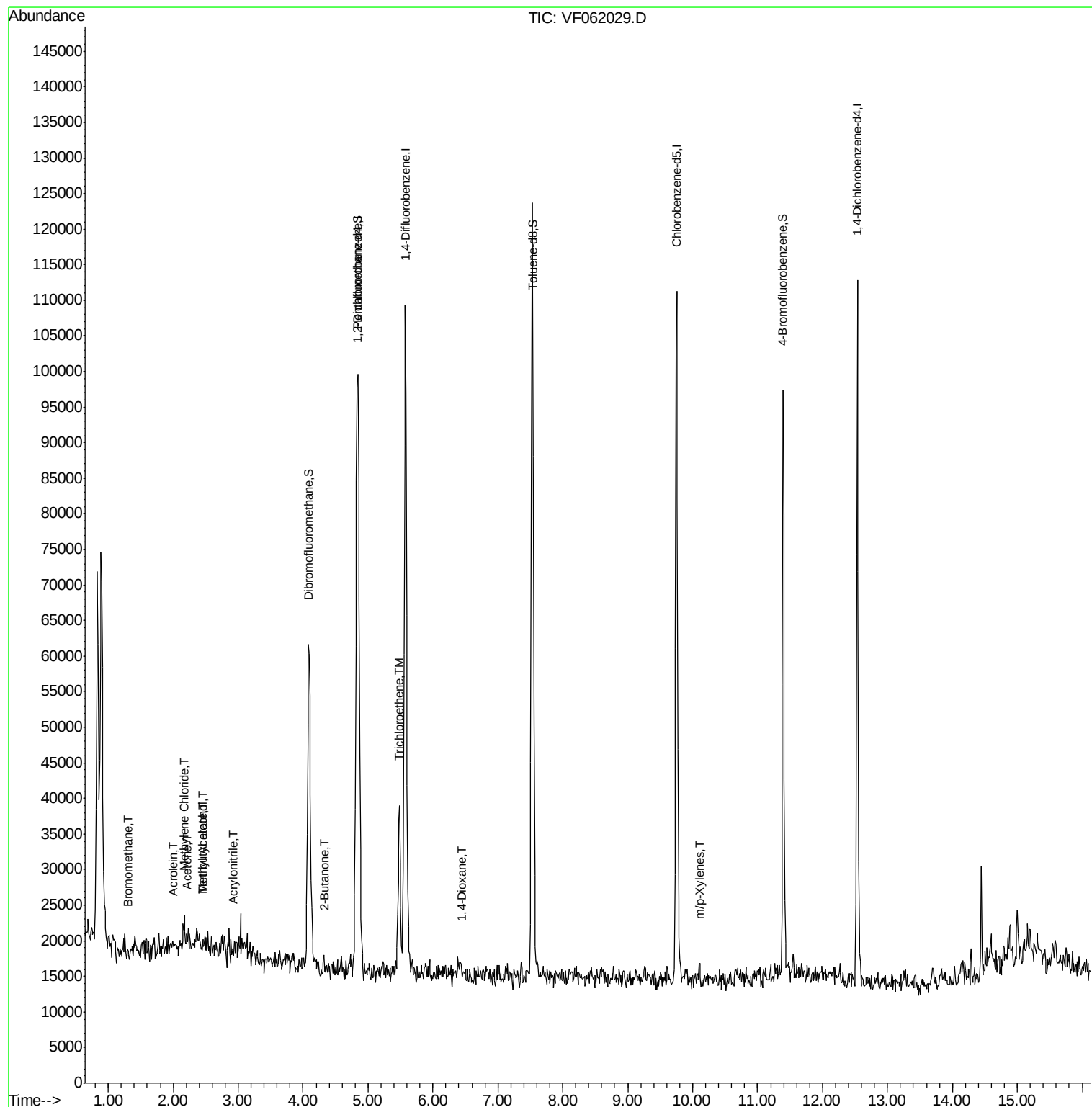
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.31	94	750	1.329	ug/l #	3
11) Tert butyl alcohol	2.45	59	63	1.865	ug/l #	71
13) Acrolein	1.99	56	307	8.418	ug/l	88
15) Acrylonitrile	2.92	53	725	7.057	ug/l #	18
16) Acetone	2.21	43	2198	17.730	ug/l #	87
18) Methyl Acetate	2.47	43	512	2.019	ug/l #	63
20) Methylene Chloride	2.17	84	1999	3.132	ug/l	88
25) 2-Butanone	4.32	43	567	2.309	ug/l #	51
44) Trichloroethene	5.48	130	12035	14.535	ug/l	92
49) 1,4-Dioxane	6.45	88	67	21.507	ug/l #	15
68) m/p-Xylenes	10.11	106	1009	1.032	ug/l #	59

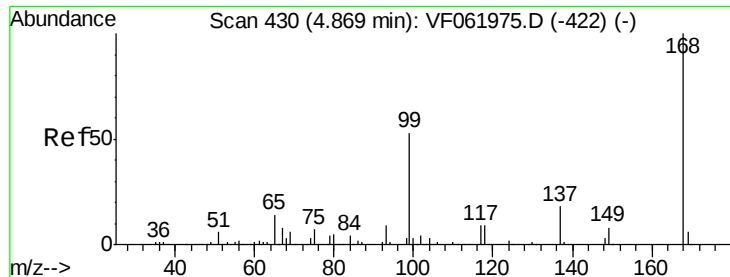
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062029.D
Acq On : 19 Mar 2019 20:44
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ClientSampleId :

Quant Time: Mar 20 05:23:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

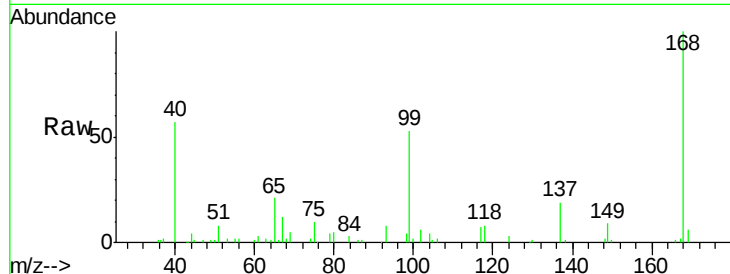
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 76696

Ion Ratio Lower Upper

168 100

99 52.6 42.4 63.6

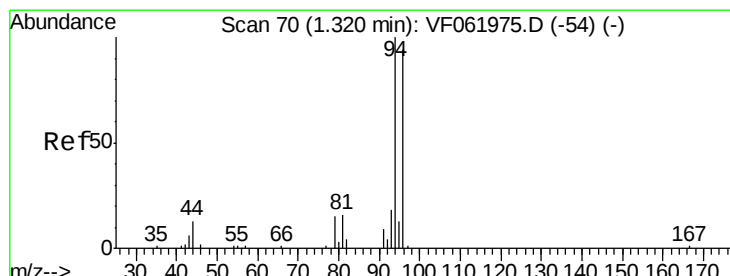
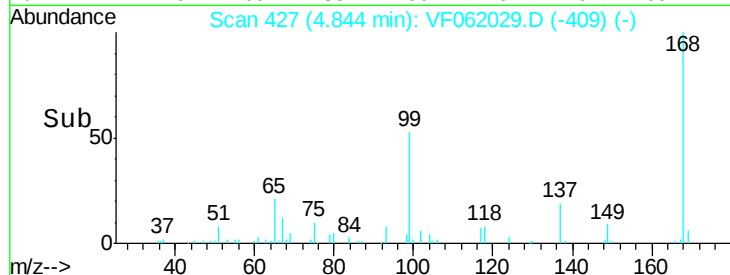


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

Time-->



#5

Bromomethane

Concen: 1.329 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF062029.D

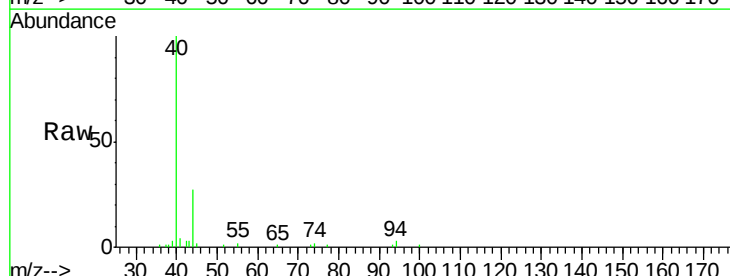
Acq: 19 Mar 2019 20:44

Tgt Ion: 94 Resp: 750

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#

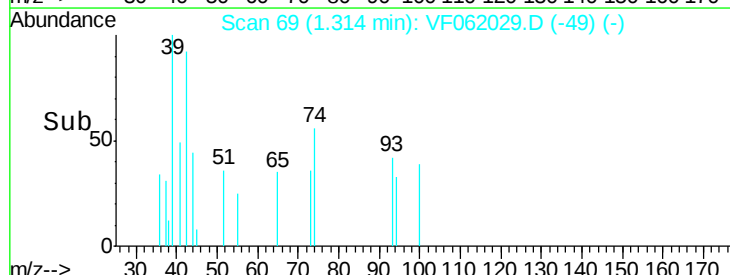


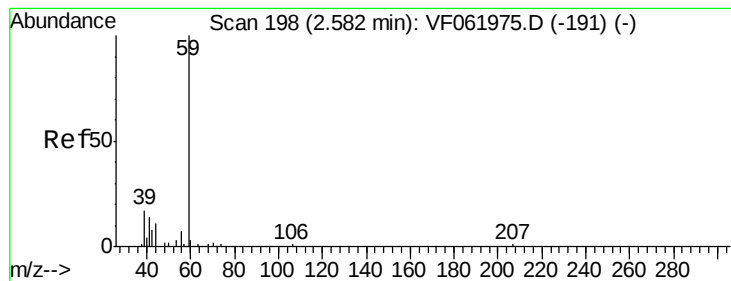
Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

Time-->



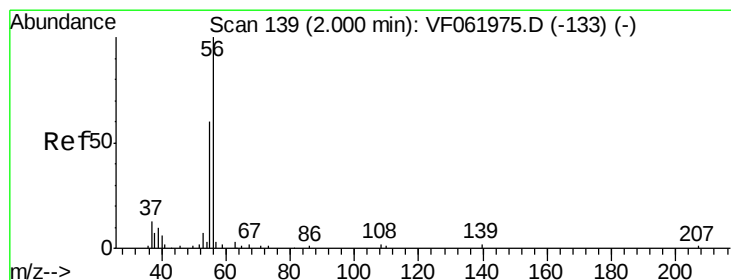
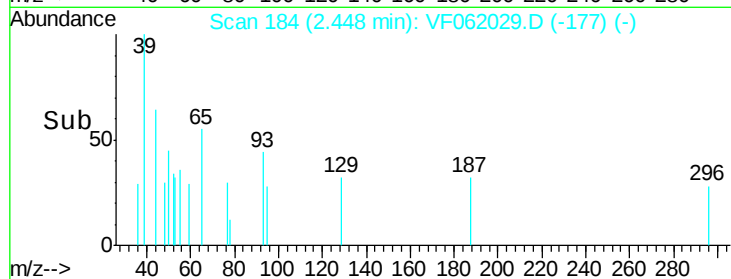
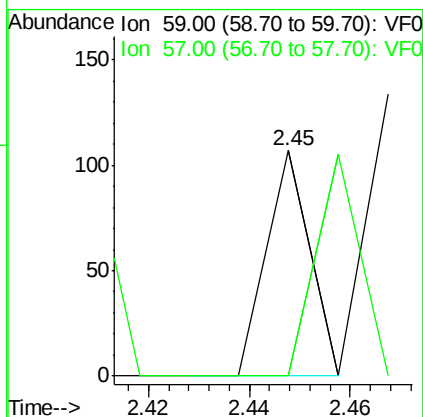
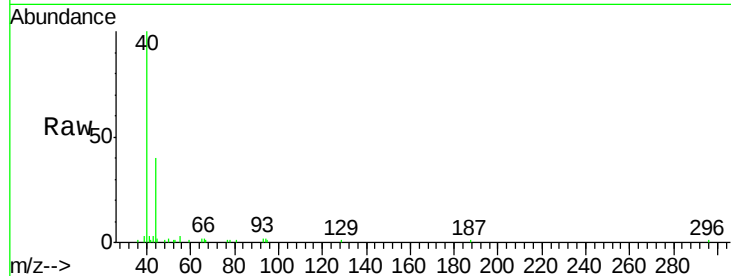


#11

Tert butyl alcohol
 Concen: 1.865 ug/l
 RT: 2.45 min Scan# 184
 Delta R.T. -0.13 min
 Lab File: VF062029.D
 Acq: 19 Mar 2019 20:44

Instrument :
 MSVOA_F
 ClientSampleId :

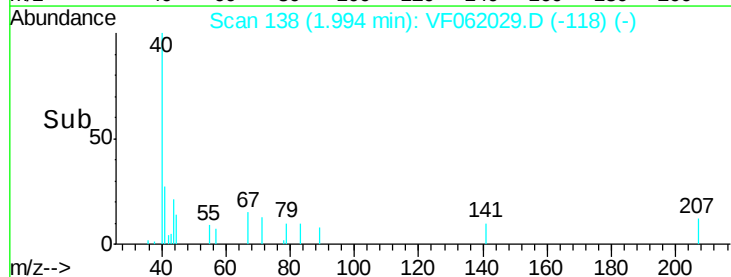
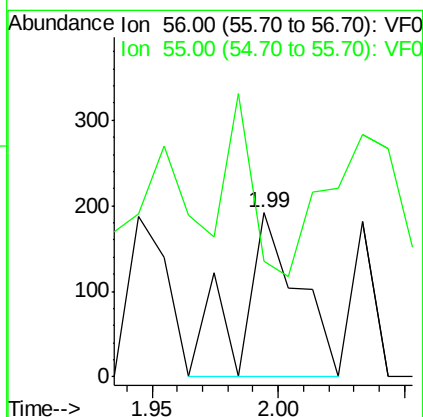
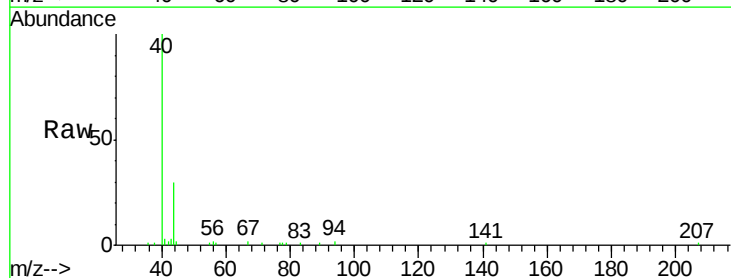
Tot Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

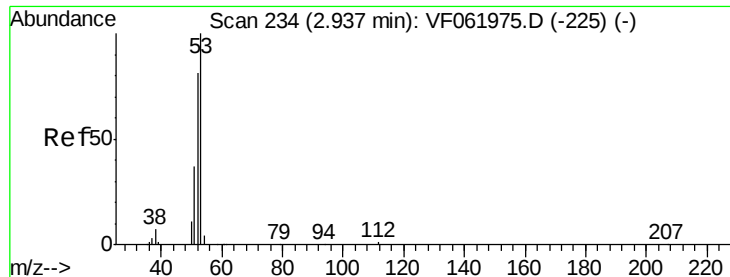


#13

Acrolein
 Concen: 8.418 ug/l
 RT: 1.99 min Scan# 138
 Delta R.T. -0.00 min
 Lab File: VF062029.D
 Acq: 19 Mar 2019 20:44

Tgt Ion: 56 Resp: 307
 Ion Ratio Lower Upper
 56 100
 55 70.3 49.1 73.7





#15

Acrylonitrile

Concen: 7.057 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

Instrument :
MSVOA_F
ClientSampleId :

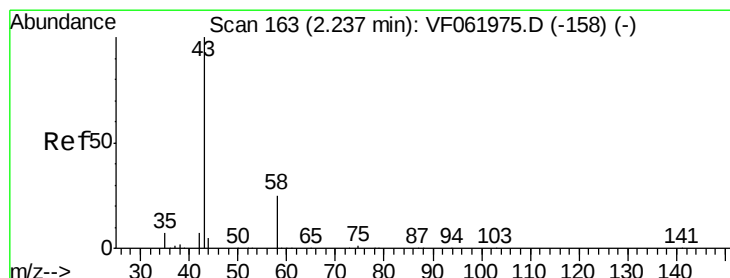
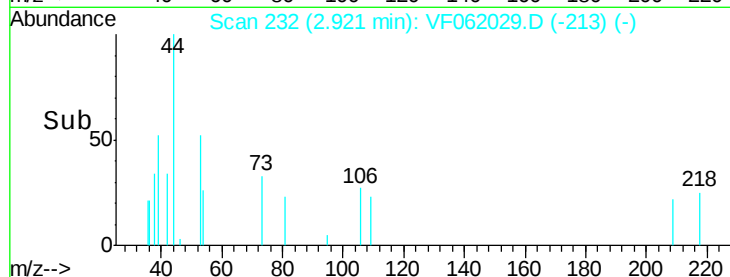
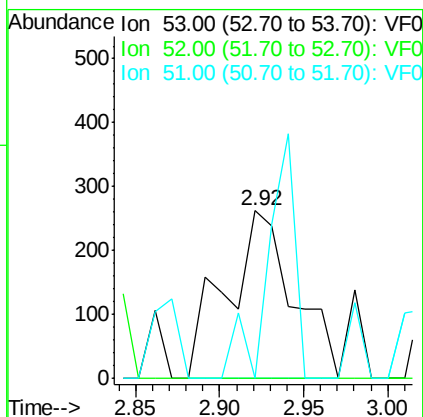
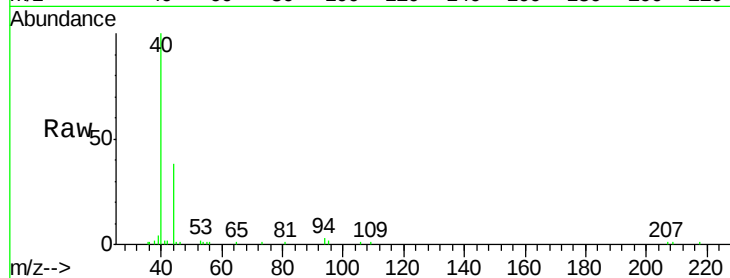
Tot Ion: 53 Resp: 725

Ion Ratio Lower Upper

53 100

52 0.0 64.4 96.6#

51 0.0 30.3 45.5#



#16

Acetone

Concen: 17.730 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.03 min

Lab File: VF062029.D

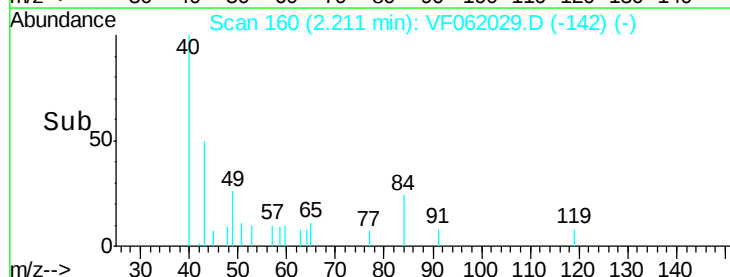
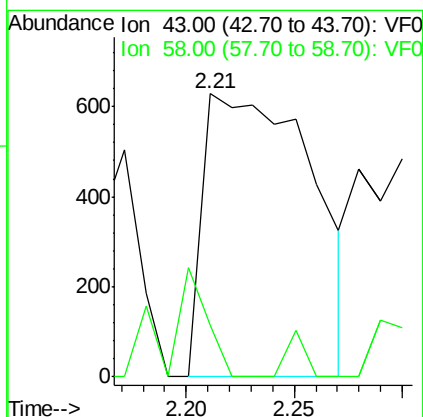
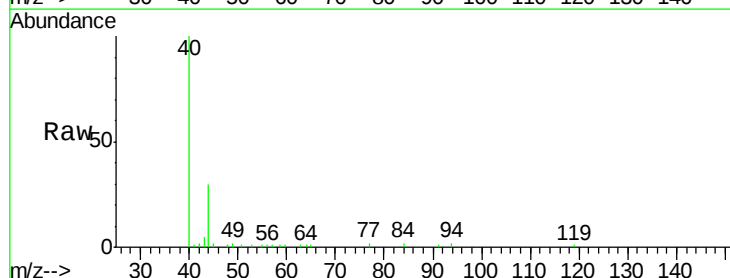
Acq: 19 Mar 2019 20:44

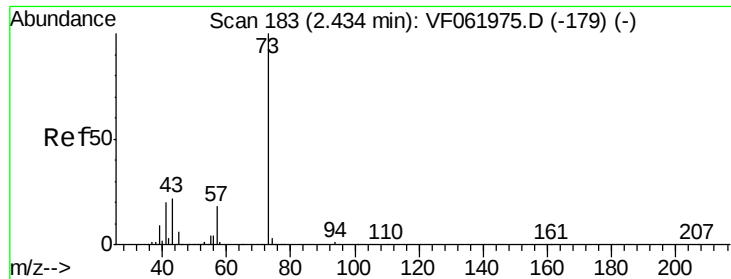
Tgt Ion: 43 Resp: 2198

Ion Ratio Lower Upper

43 100

58 18.3 19.9 29.9#

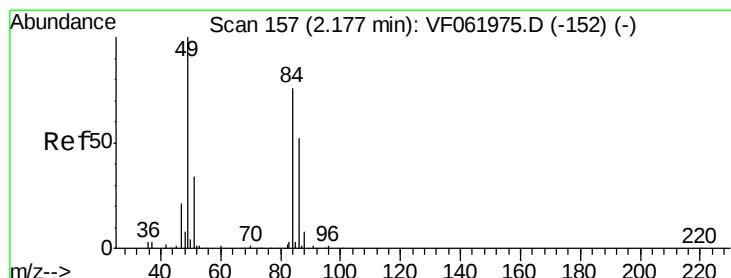
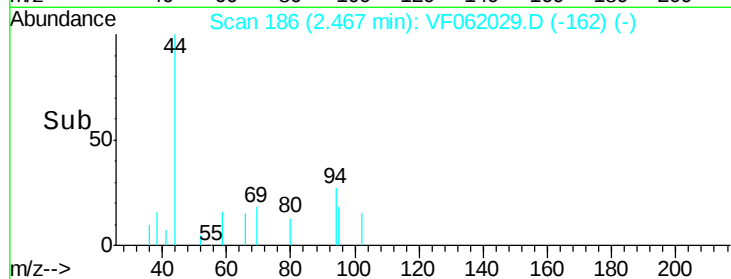
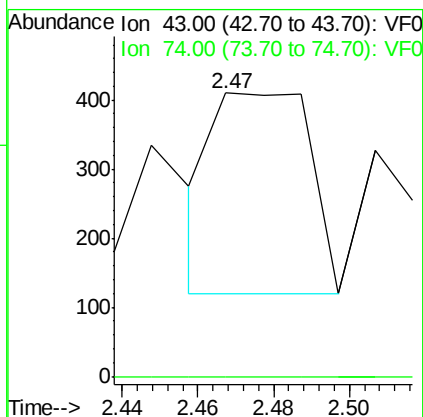
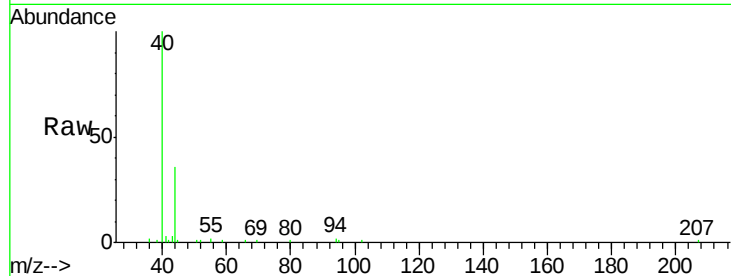




#18
Methyl Acetate
Concen: 2.019 ug/l
RT: 2.47 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

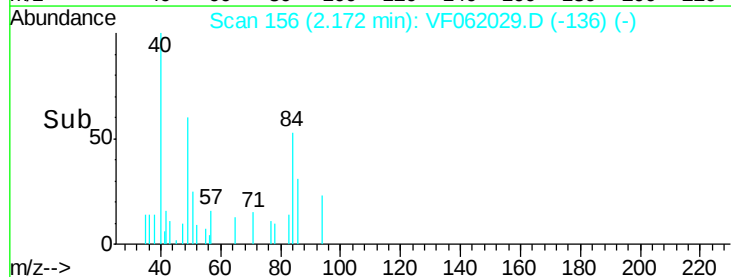
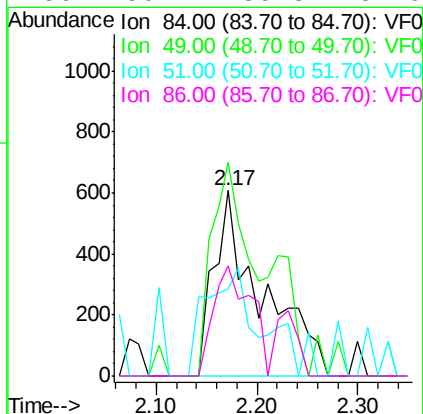
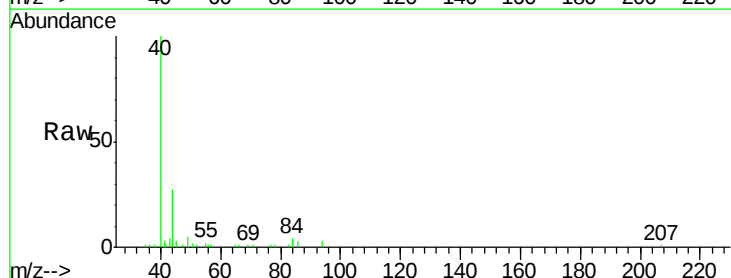
Instrument :
MSVOA_F
ClientSampleId :

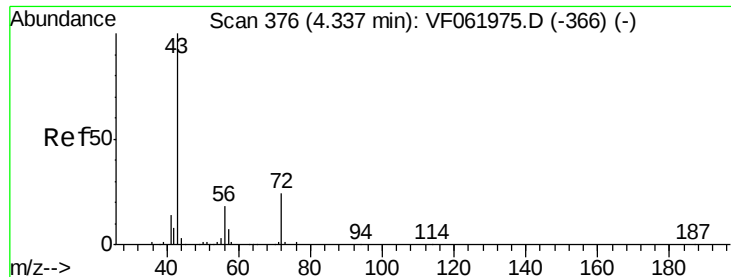
Tot Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
74 0.0 12.6 18.8#



#20
Methylene Chloride
Concen: 3.132 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

Tgt Ion: 84 Resp: 1999
Ion Ratio Lower Upper
84 100
49 115.1 107.0 160.6
51 47.0 37.2 55.8
86 59.2 55.3 82.9





#25

2-Butanone

Concen: 2.309 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

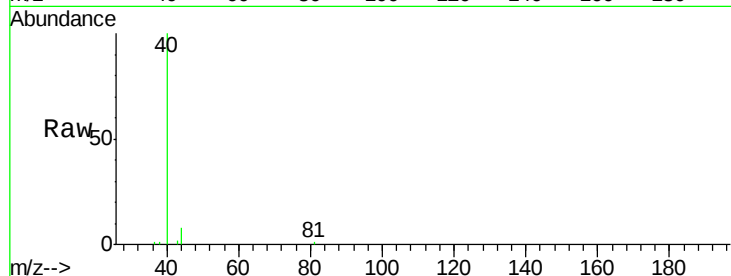
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.32

250

200

150

100

50

0

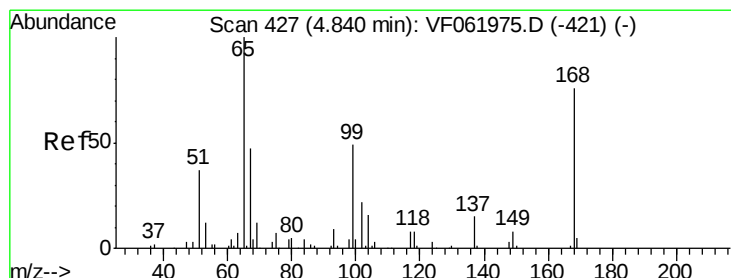
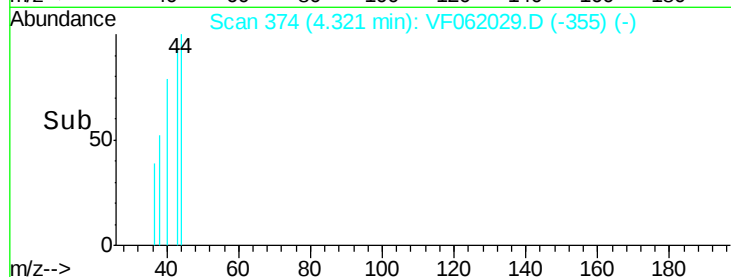
4.25

4.30

4.35

4.40

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.012 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF062029.D

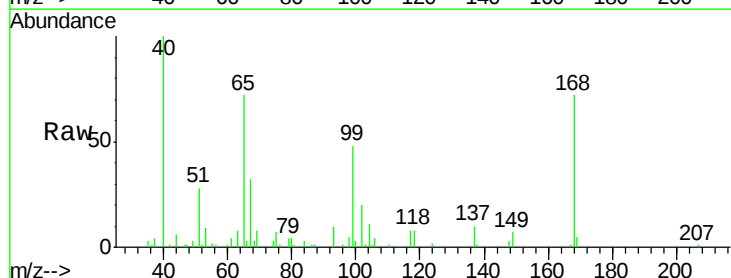
Acq: 19 Mar 2019 20:44

Tgt Ion: 65 Resp: 32580

Ion Ratio Lower Upper

65 100

67 44.9 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

12000

10000

8000

6000

4000

2000

0

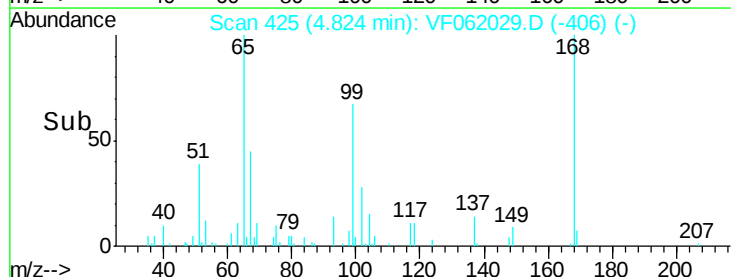
4.70

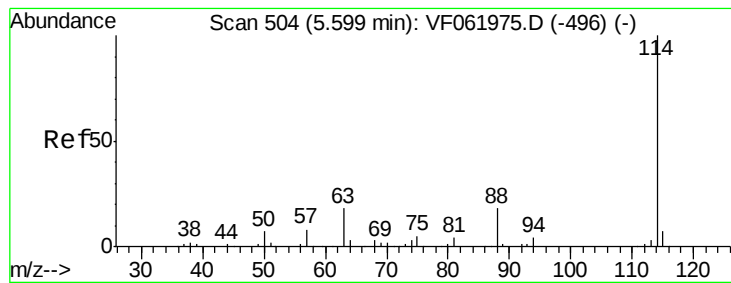
4.80

4.90

5.00

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

Instrument :

MSVOA_F

ClientSampleId :

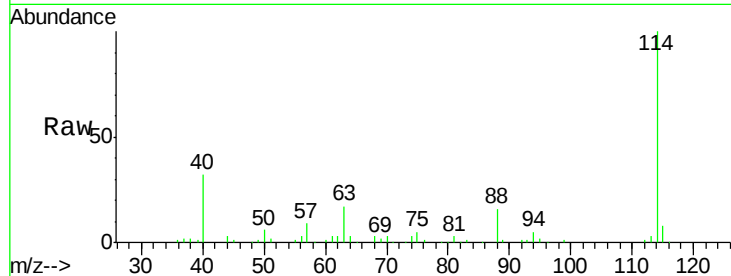
Tot Ion:114 Resp: 112954

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.4

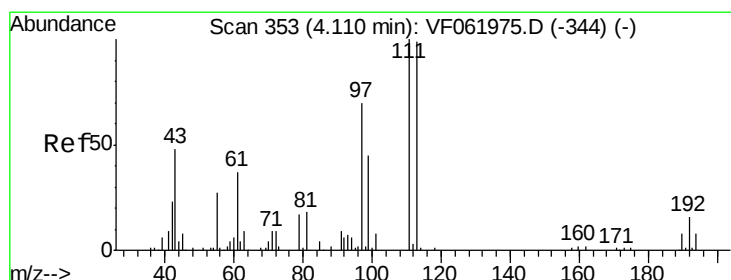
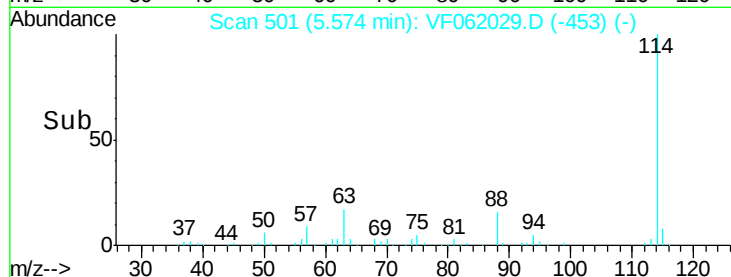
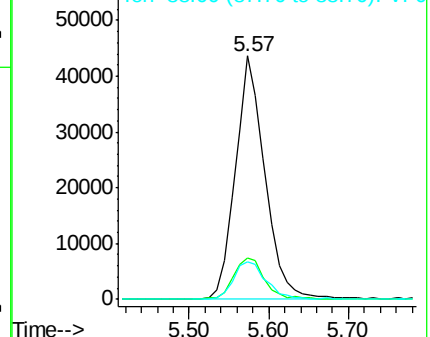
88 15.6 0.0 36.4



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: 61.953 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

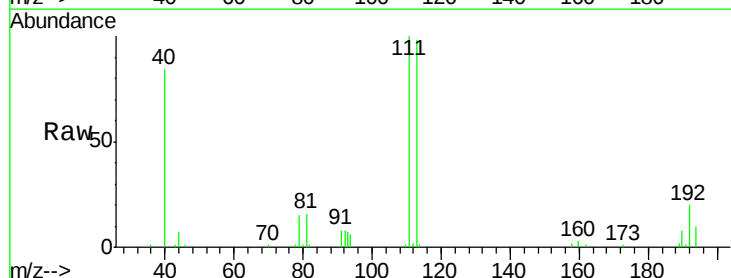
Tgt Ion:113 Resp: 46992

Ion Ratio Lower Upper

113 100

111 100.8 80.8 121.2

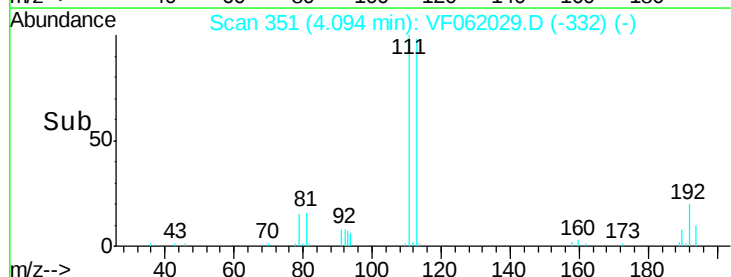
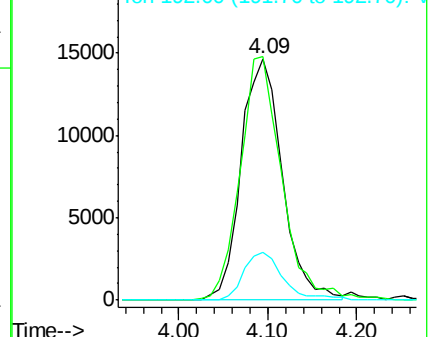
192 19.7 13.0 19.6#

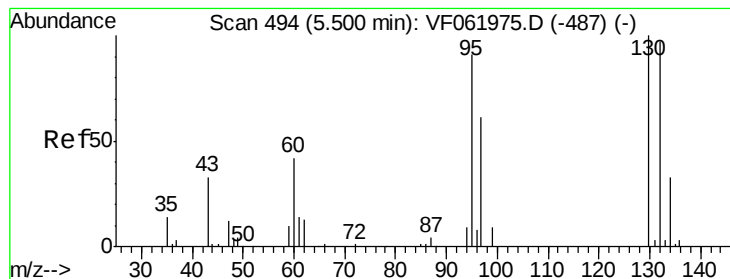


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#44

Trichloroethene

Concen: 14.535 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

Instrument :

MSVOA_F

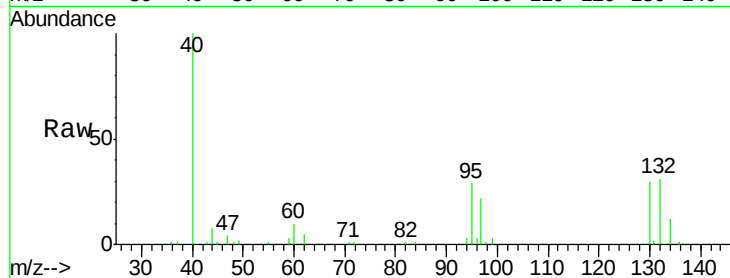
ClientSampleId :

Tot Ion:130 Resp: 12035

Ion Ratio Lower Upper

130 100

95 98.0 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.48

4000

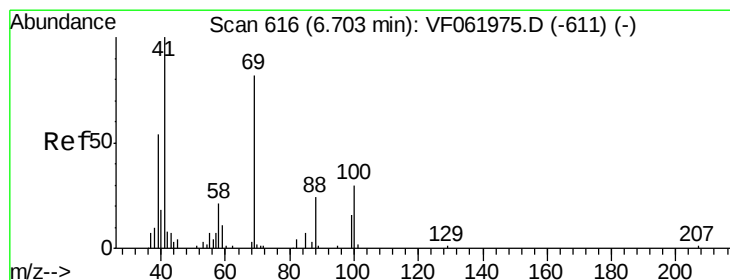
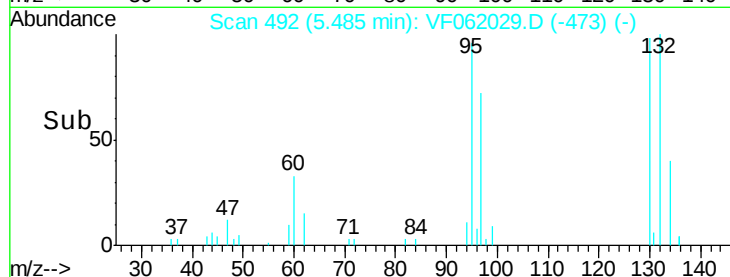
3000

2000

1000

0

Time-->



#49

1,4-Dioxane

Concen: 21.507 ug/l

RT: 6.45 min Scan# 590

Delta R.T. -0.25 min

Lab File: VF062029.D

Acq: 19 Mar 2019 20:44

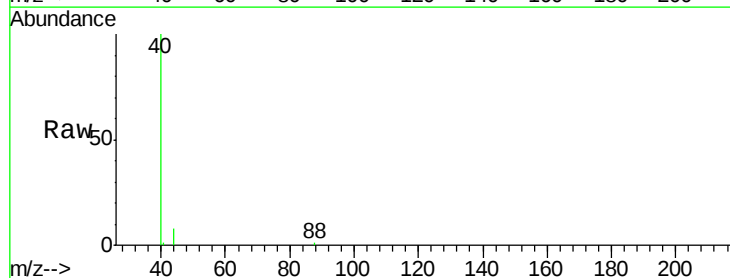
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 31.2 46.8#

58 0.0 69.9 104.9#



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

600

500

400

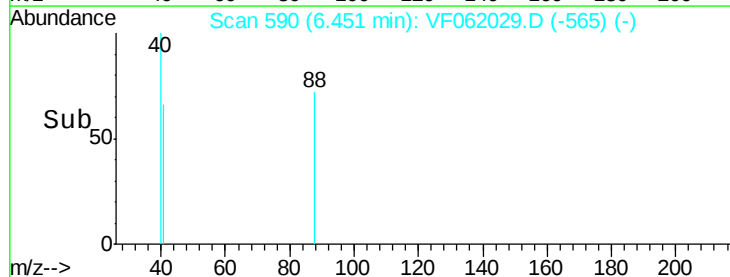
300

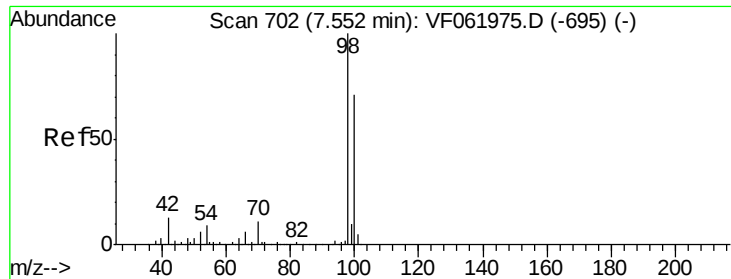
200

100

0

Time-->

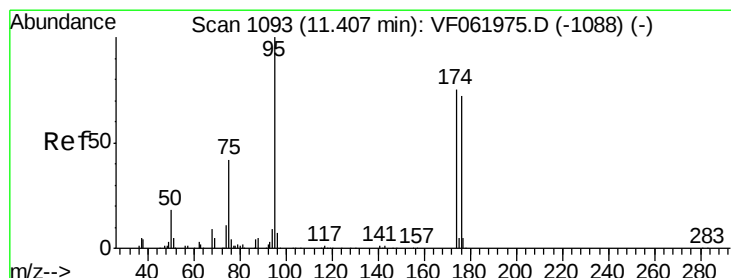
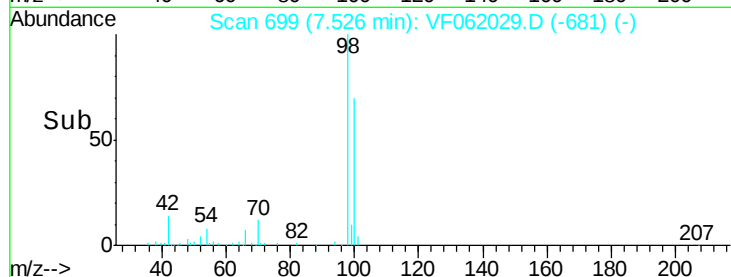
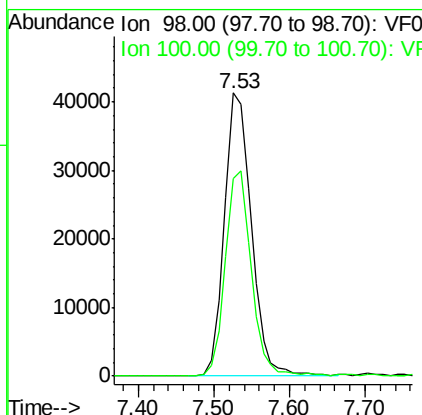
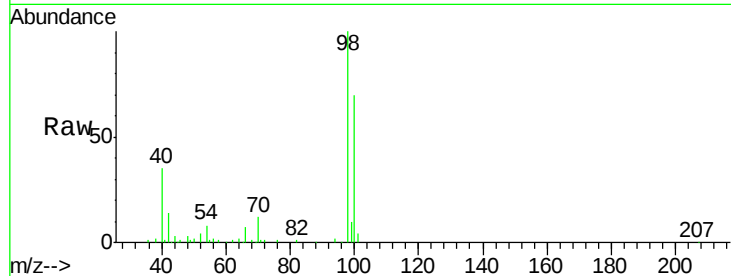




#50
Toluene-d8
Concen: 46.160 ug/l
RT: 7.53 min Scan# 699
Delta R.T. -0.03 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

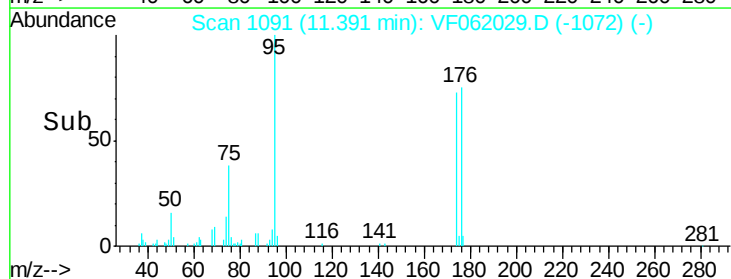
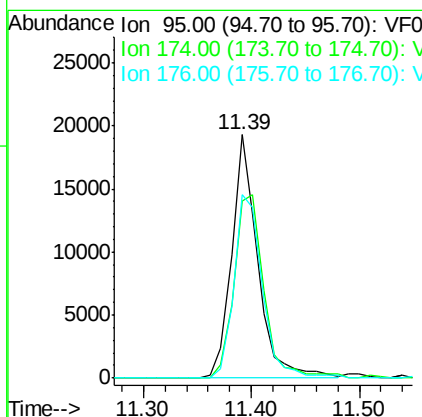
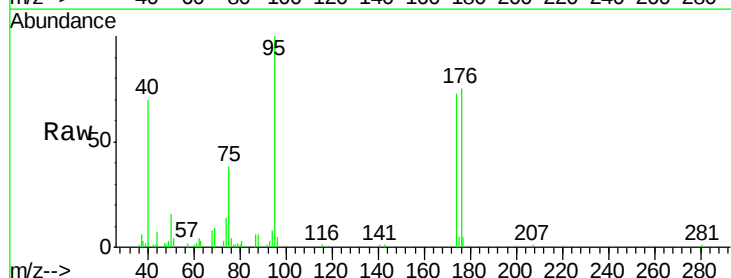
Instrument :
MSVOA_F
ClientSampleId :

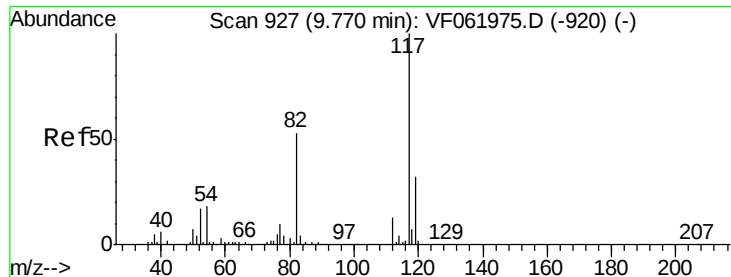
Tot Ion: 98 Resp: 102353
Ion Ratio Lower Upper
98 100
100 69.8 56.8 85.2



#62
4-Bromofluorobenzene
Concen: 36.826 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

Tgt Ion: 95 Resp: 32439
Ion Ratio Lower Upper
95 100
174 72.8 0.0 149.4
176 75.2 0.0 143.4

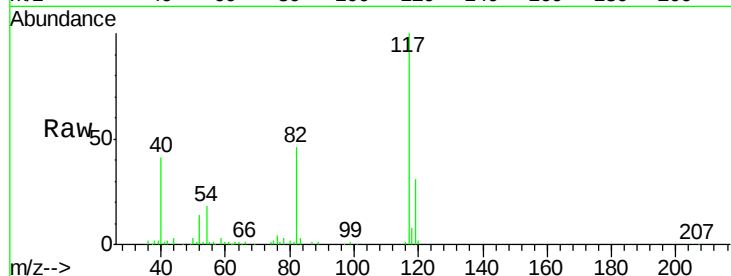




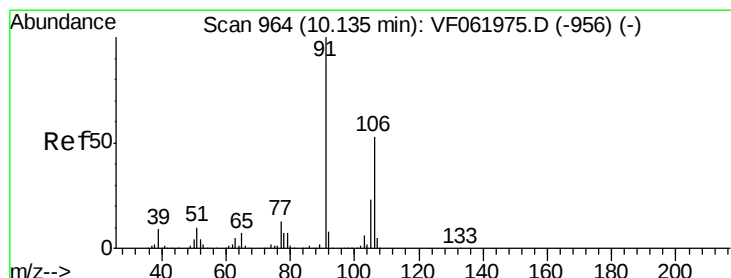
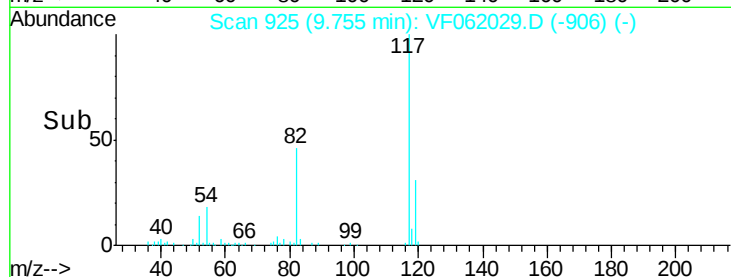
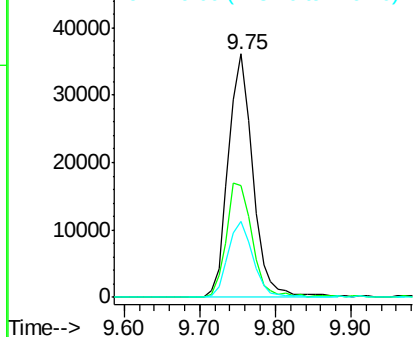
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 81584
Ion Ratio Lower Upper
117 100
82 45.7 42.5 63.7
119 31.1 25.4 38.0

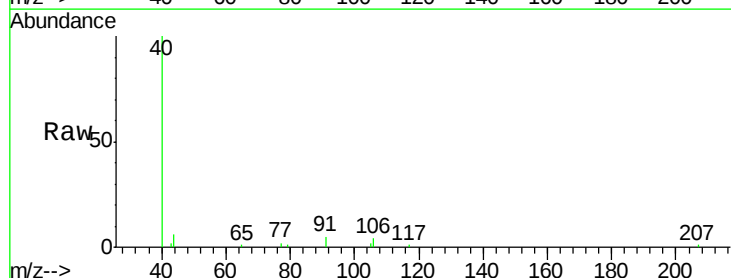


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

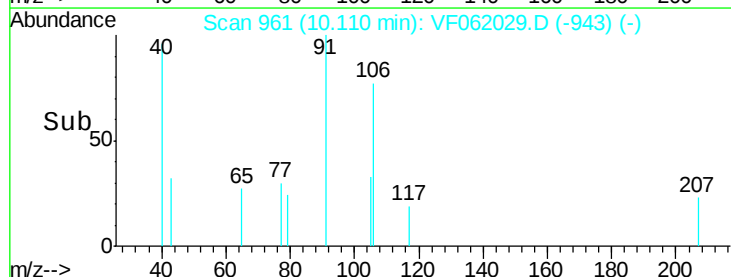
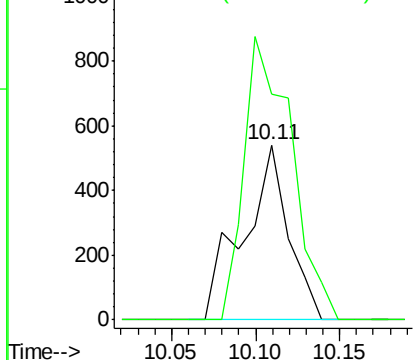


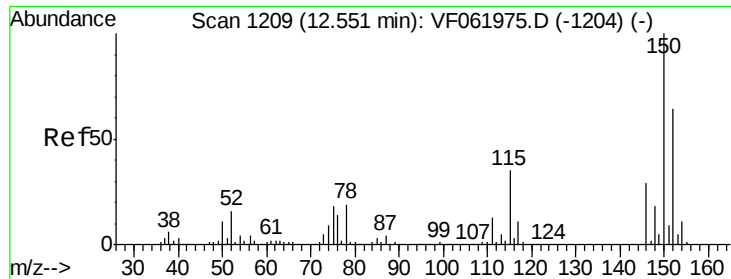
#68
m/p-Xylenes
Concen: 1.032 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF062029.D
Acq: 19 Mar 2019 20:44

Tgt Ion:106 Resp: 1009
Ion Ratio Lower Upper
106 100
91 129.2 151.9 227.9#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

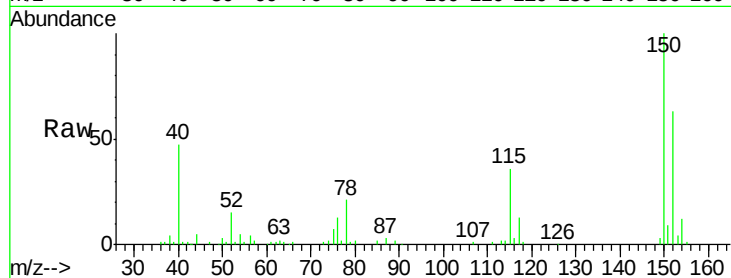




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VF062029.D
 Acq: 19 Mar 2019 20:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 28250
 Ion Ratio Lower Upper
 152 100
 115 57.1 27.3 81.9
 150 159.1 0.0 316.2



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

