

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061779.D
 Acq On : 27 Feb 2019 21:22
 Operator : VA/AP
 Sample : K1652-12
 Misc : 4.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 01:01:53 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	132969	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	179928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	134871	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	63573	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	34426	35.31	ug/l	-0.01
Spiked Amount			Recovery	=	70.62%	
35) Dibromofluoromethane	4.11	113	53299	39.89	ug/l	0.00
Spiked Amount			Recovery	=	79.78%	
50) Toluene-d8	7.55	98	137003	35.67	ug/l	-0.01
Spiked Amount			Recovery	=	71.34%	
62) 4-Bromofluorobenzene	11.40	95	49592	31.91	ug/l	-0.01
Spiked Amount			Recovery	=	63.82%	

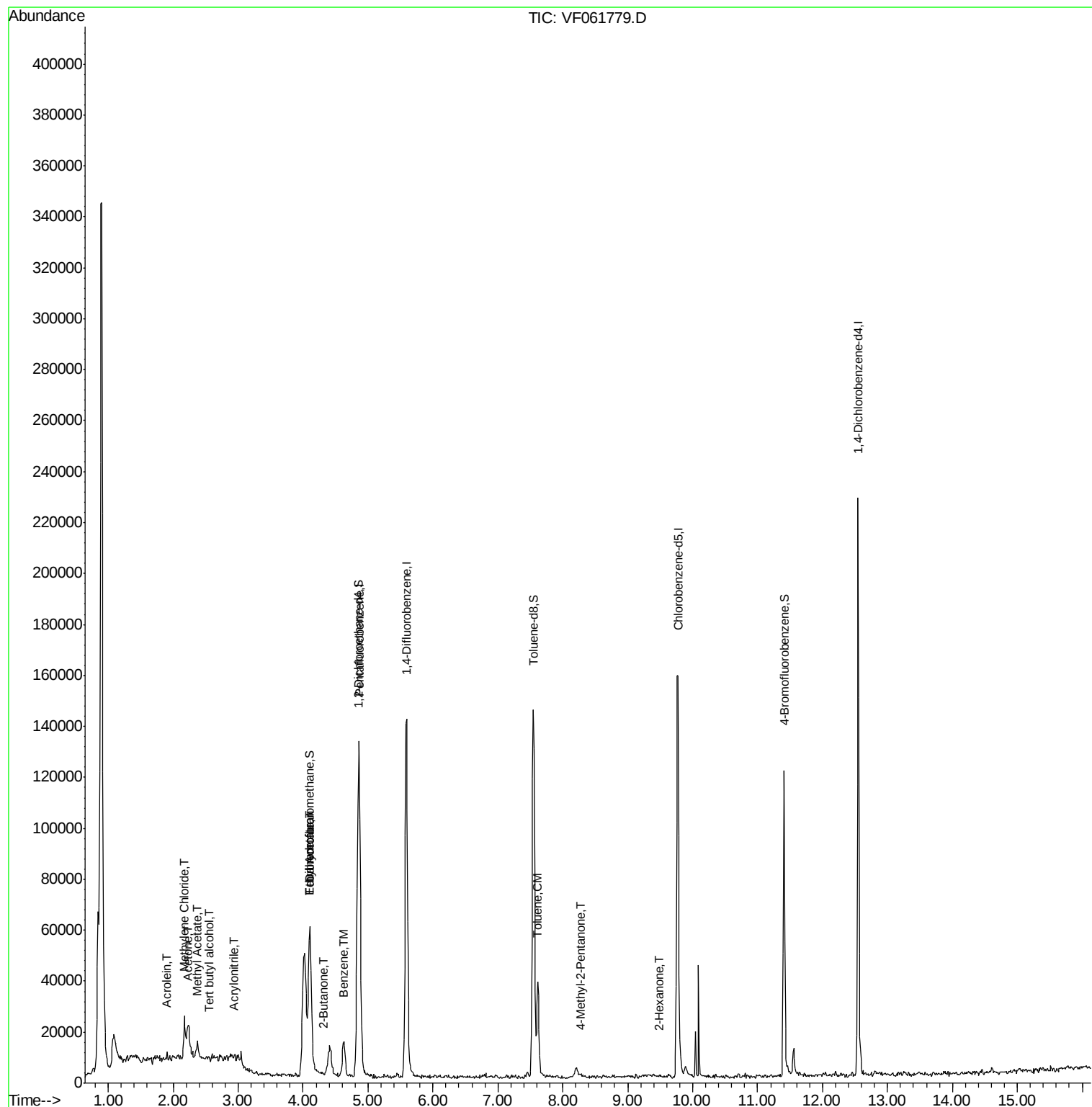
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	59	1.046	ug/l #	1
13) Acrolein	1.90	56	376	5.301	ug/l	92
15) Acrylonitrile	2.95	53	293	1.464	ug/l #	34
16) Acetone	2.24	43	7004	33.479	ug/l	97
18) Methyl Acetate	2.37	43	6710	14.237	ug/l #	59
20) Methylene Chloride	2.17	84	5073	2.111	ug/l #	86
25) 2-Butanone	4.32	43	816	1.786	ug/l #	71
29) Tetrahydrofuran	4.08	42	1190	5.729	ug/l #	45
37) Ethyl Acetate	4.08	43	1009	1.219	ug/l #	74
40) Benzene	4.63	78	20574	4.413	ug/l #	89
51) 4-Methyl-2-Pentanone	8.28	43	1339	1.912	ug/l	87
52) Toluene	7.61	92	20084	7.103	ug/l	94
59) 2-Hexanone	9.49	43	941	1.917	ug/l #	23

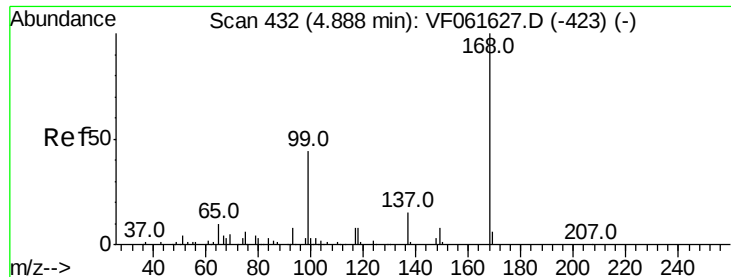
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
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Quant Time: Feb 28 01:01:53 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. -0.02 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

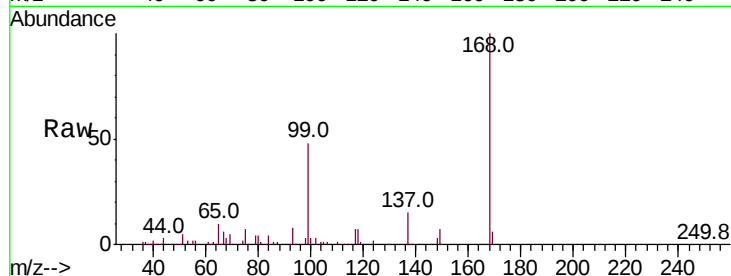
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 132969

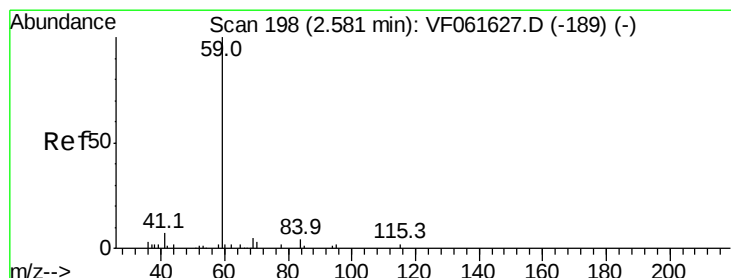
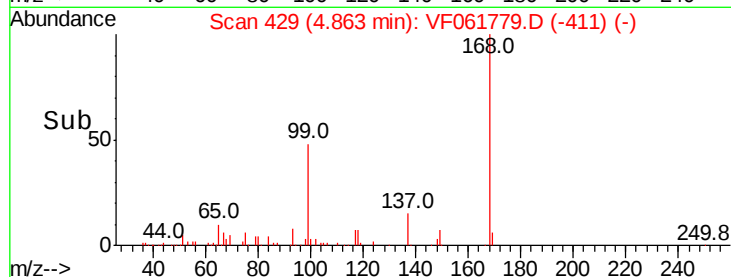
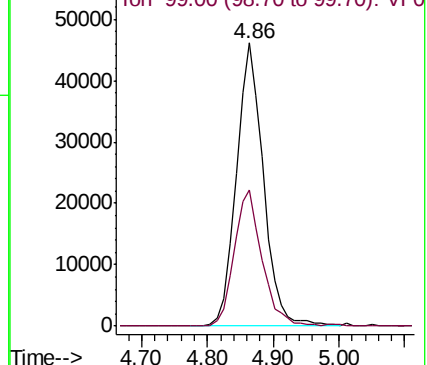
Ion Ratio Lower Upper

168 100

99 48.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 1.046 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF061779.D

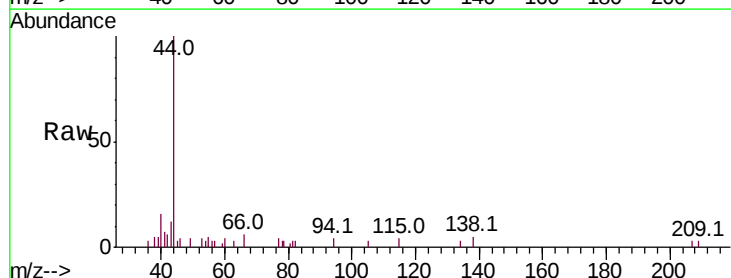
Acq: 27 Feb 2019 21:22

Tgt Ion: 59 Resp: 59

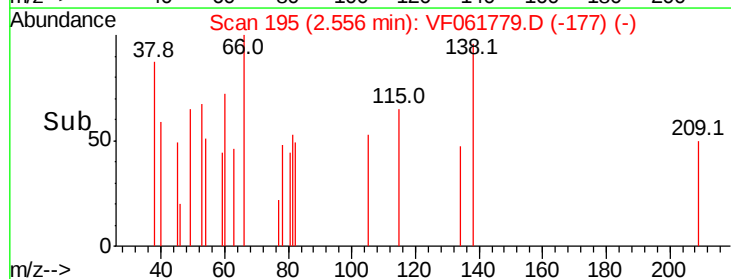
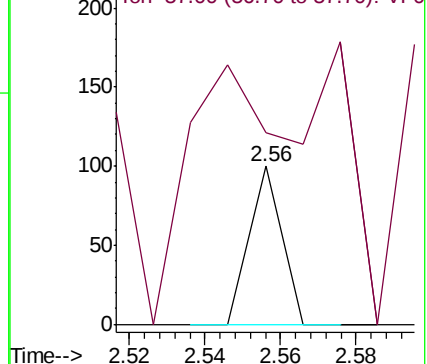
Ion Ratio Lower Upper

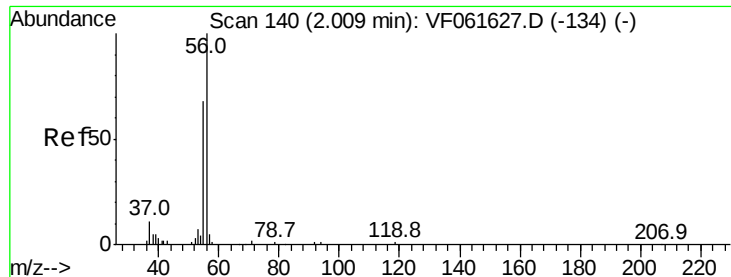
59 100

57 121.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

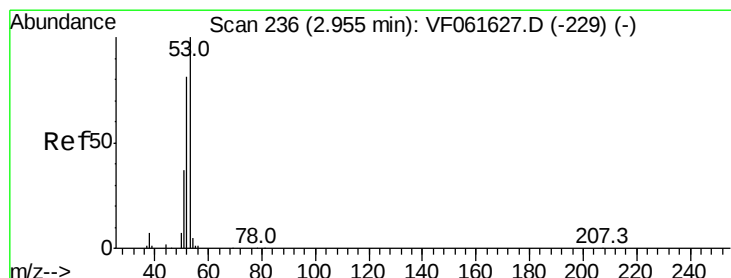
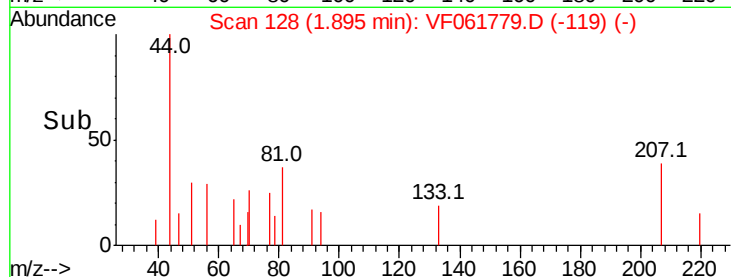
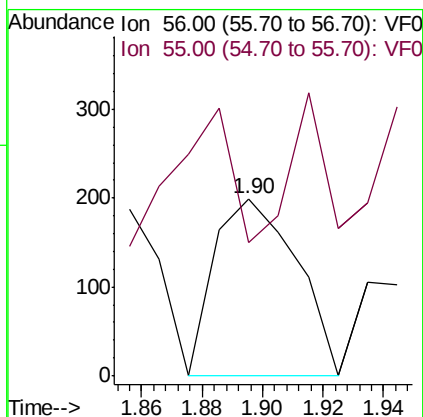
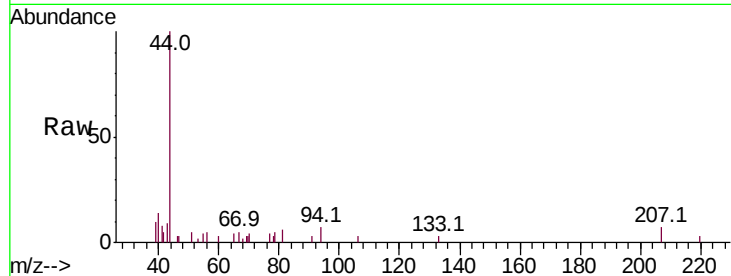




#13
Acrolein
Concen: 5.301 ug/l
RT: 1.90 min Scan# 128
Delta R.T. -0.11 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

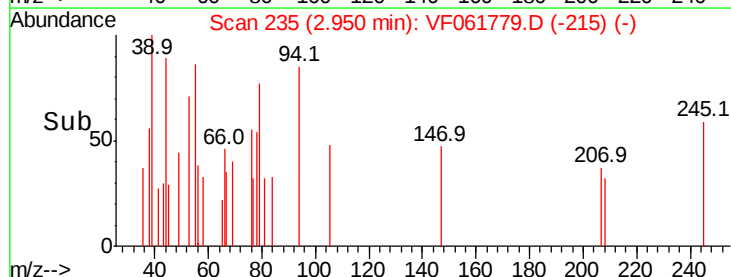
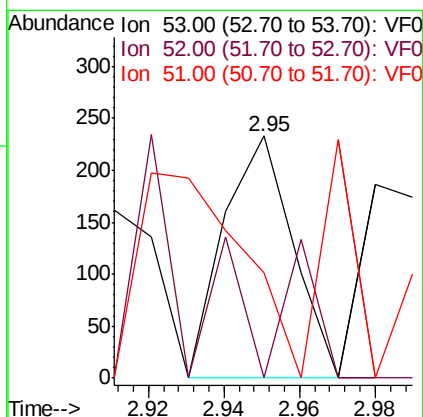
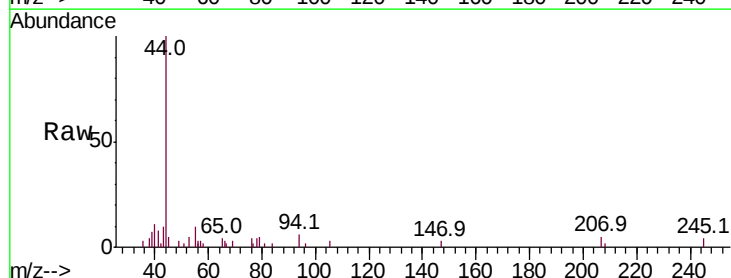
Instrument :
MSVOA_F
ClientSampled :

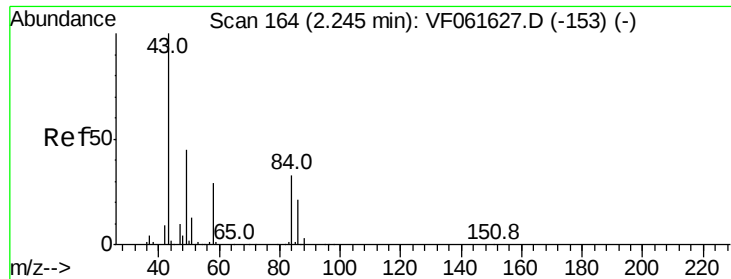
Tot Ion: 56 Resp: 376
Ion Ratio Lower Upper
56 100
55 75.4 55.0 82.6



#15
Acrylonitrile
Concen: 1.464 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.00 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 53 Resp: 293
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 43.3 29.8 44.8

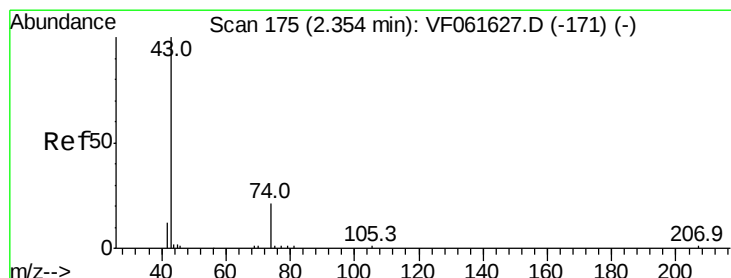
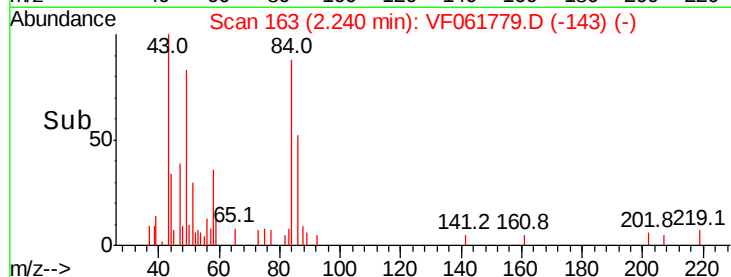
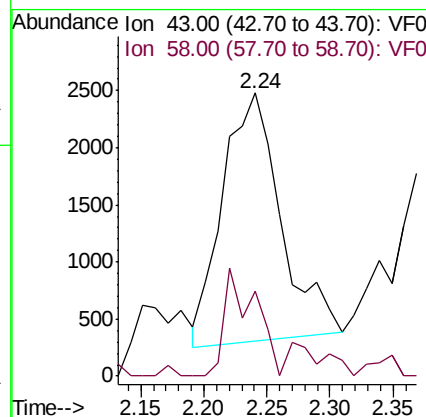
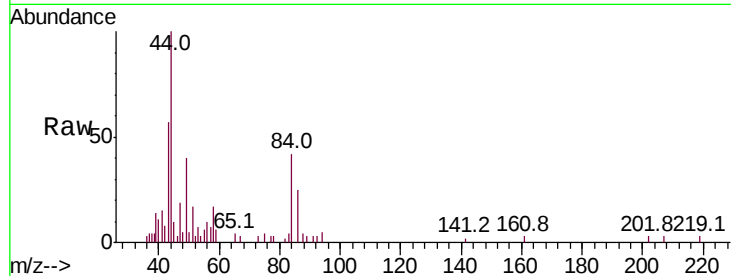




#16
Acetone
Concen: 33.479 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.00 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

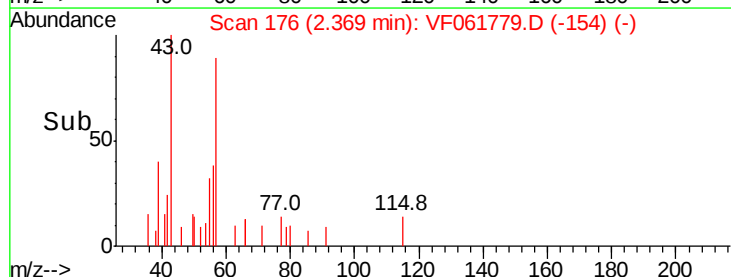
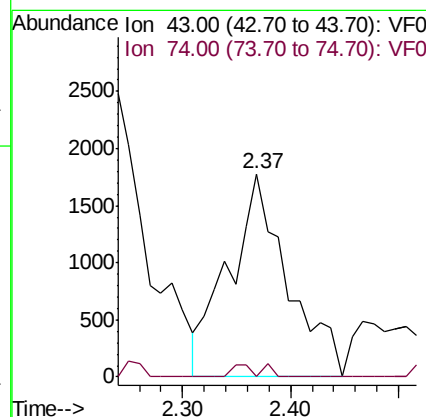
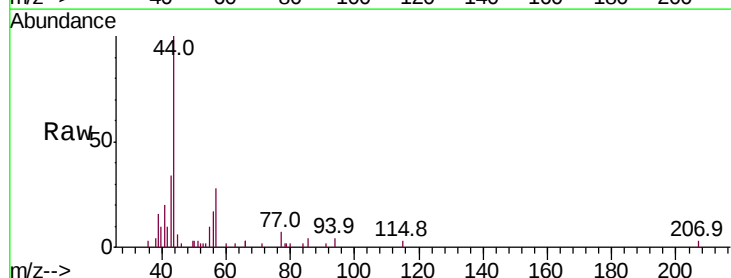
Instrument :
MSVOA_F
ClientSampleId :

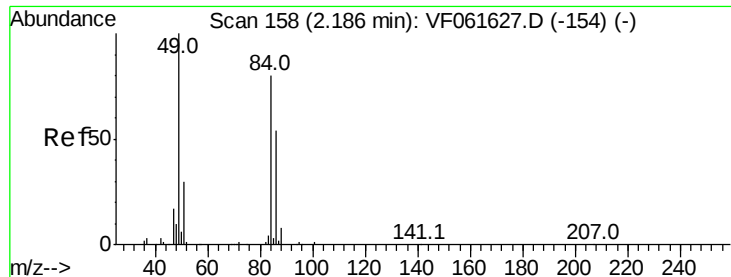
Tot Ion: 43 Resp: 7004
Ion Ratio Lower Upper
43 100
58 30.2 22.9 34.3



#18
Methyl Acetate
Concen: 14.237 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 6710
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#

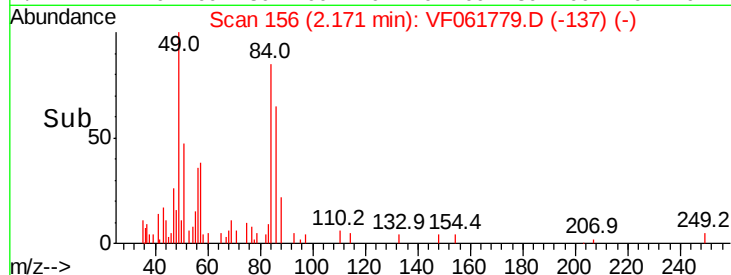
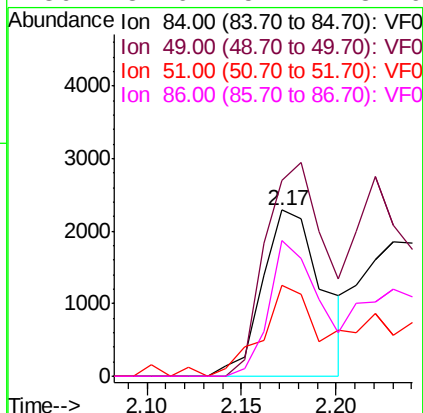
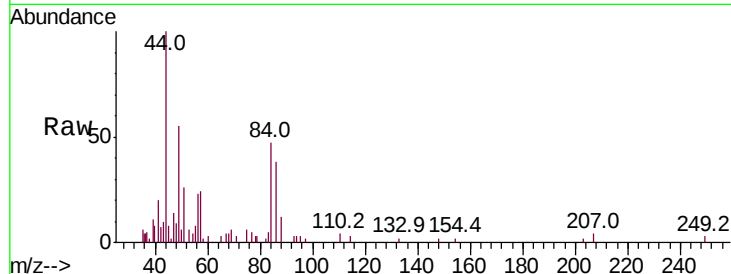




#20
Methvlene Chloride
Concen: 2.111 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

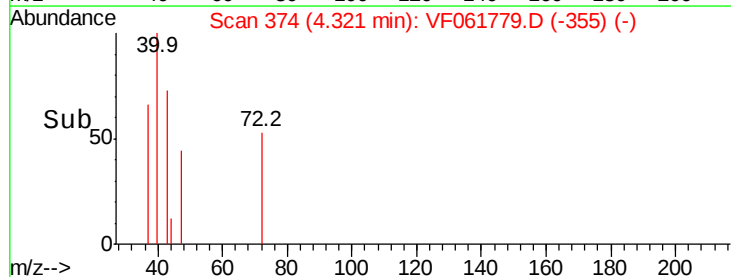
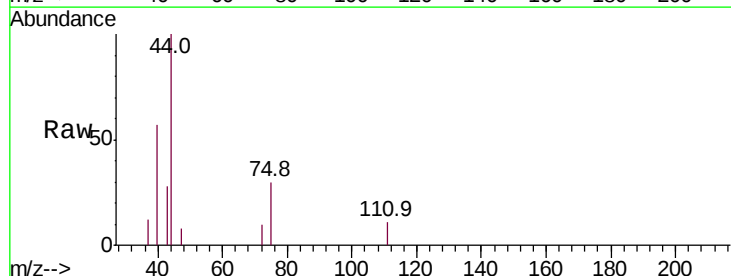
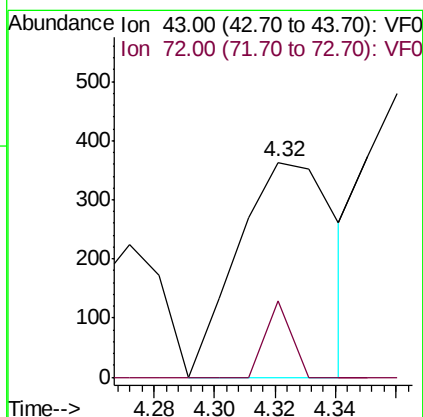
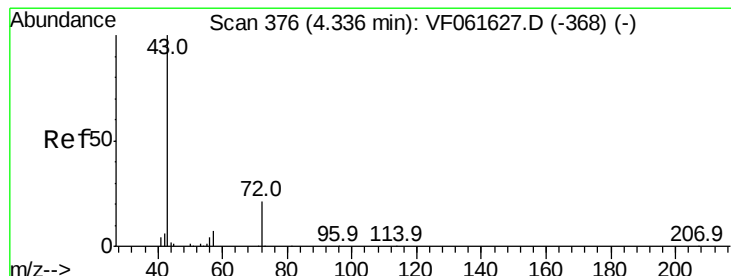
Instrument :
MSVOA_F
ClientSampleId :

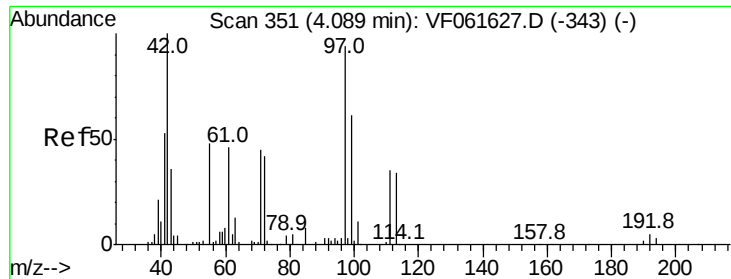
Tot Ion: 84 Resp: 5073
Ion Ratio Lower Upper
84 100
49 117.9 101.8 152.8
51 55.2 31.1 46.7#
86 81.6 54.4 81.6



#25
2-Butanone
Concen: 1.786 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 35.3 17.1 25.7#

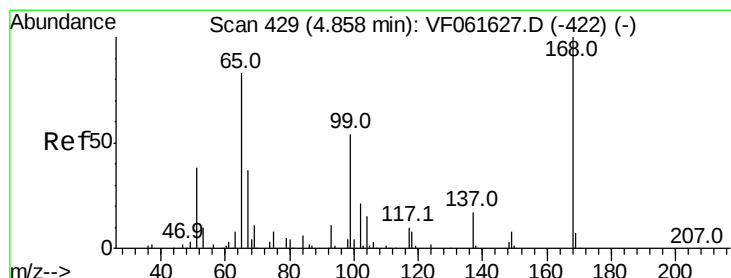
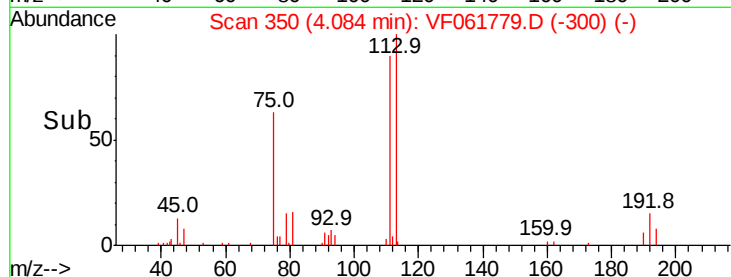
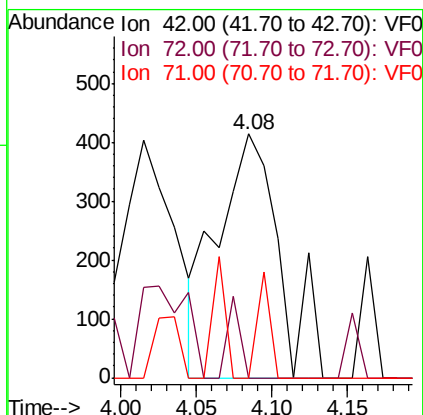
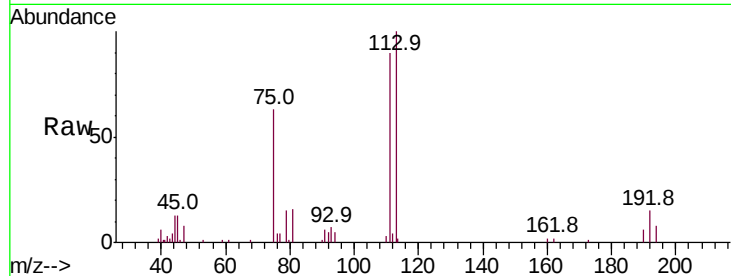




#29
Tetrahydrofuran
Concen: 5.729 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

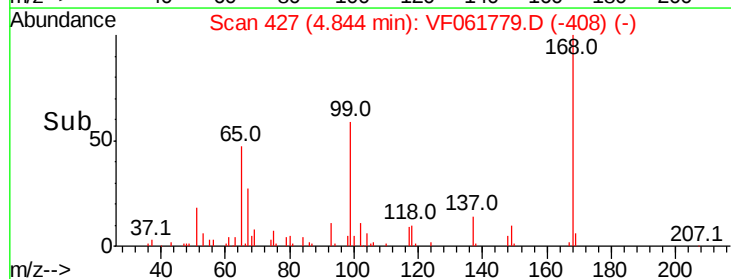
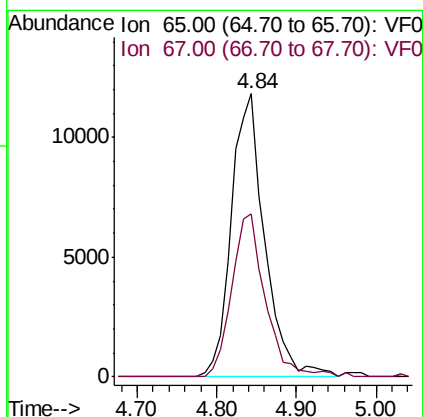
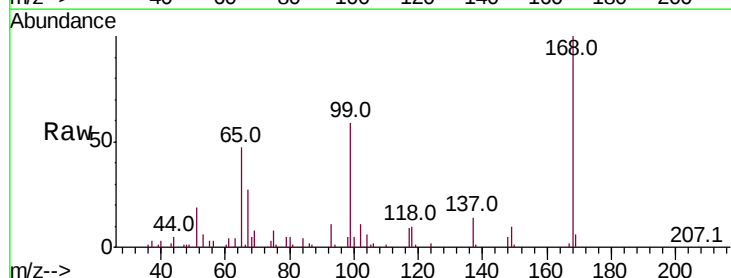
Instrument :
MSVOA_F
ClientSampleId :

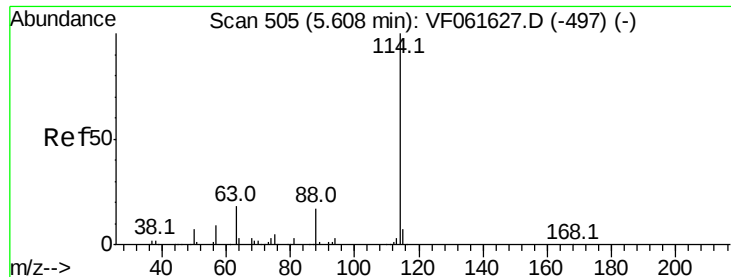
Tot Ion: 42 Resp: 1190
Ion Ratio Lower Upper
42 100
72 6.9 35.2 52.8#
71 8.9 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 35.306 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 65 Resp: 34426
Ion Ratio Lower Upper
65 100
67 57.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

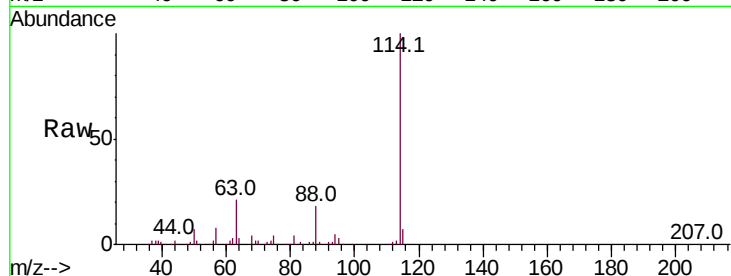
Tot Ion:114 Resp: 179928

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

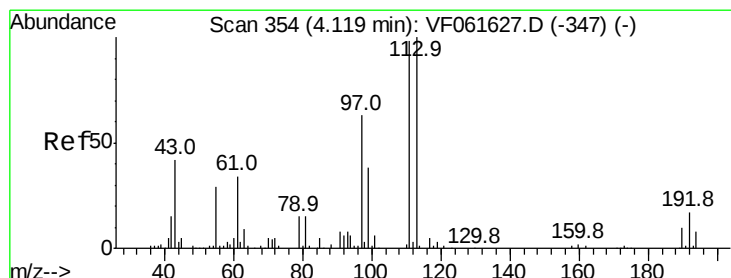
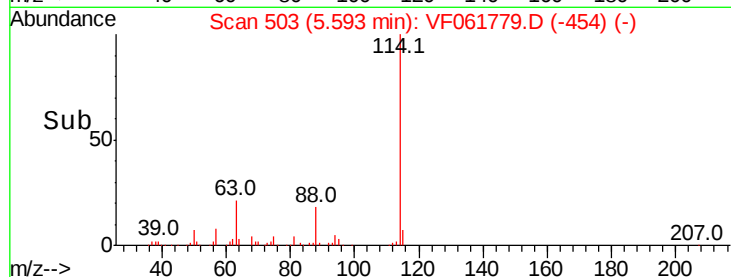
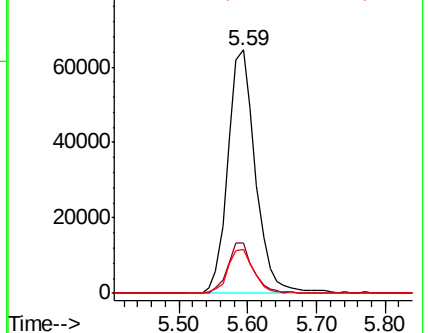
88 18.0 0.0 34.4



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: 39.890 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

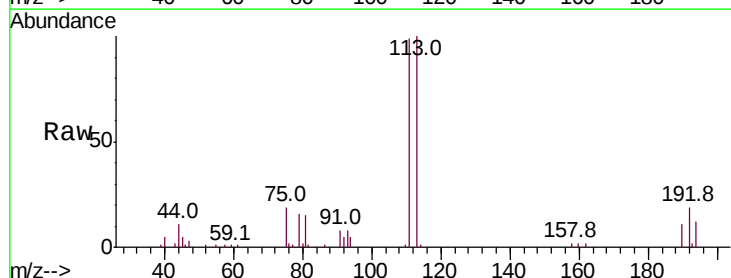
Tgt Ion:113 Resp: 53299

Ion Ratio Lower Upper

113 100

111 98.8 78.8 118.2

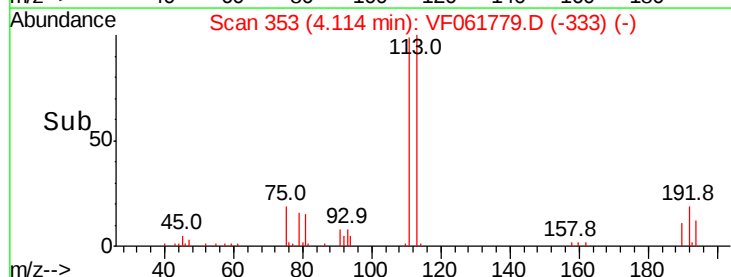
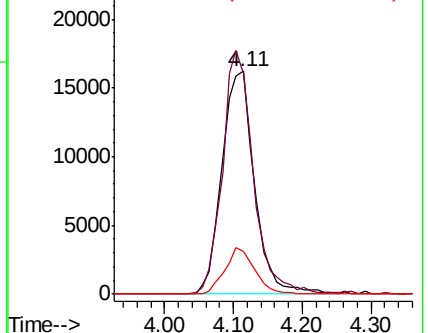
192 20.7 13.4 20.0#

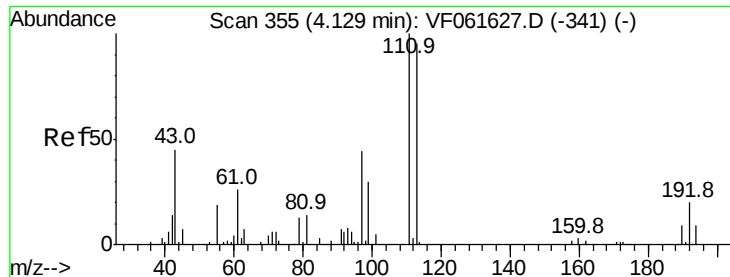


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

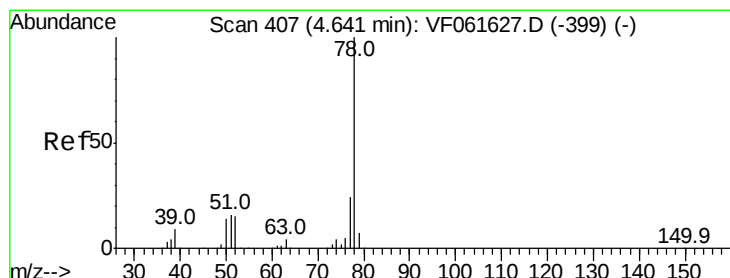
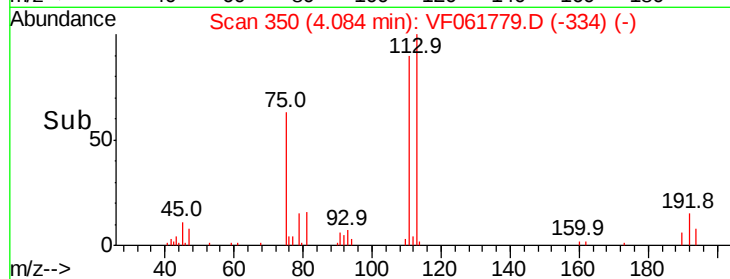
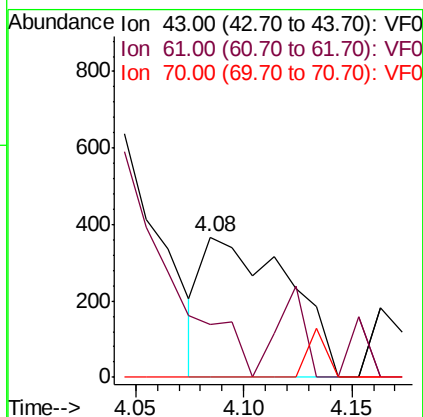
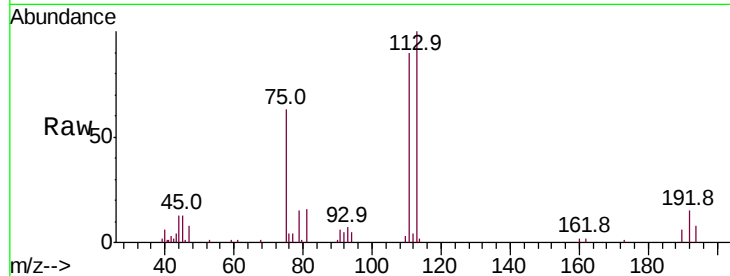




#37
Ethyl Acetate
Concen: 1.219 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

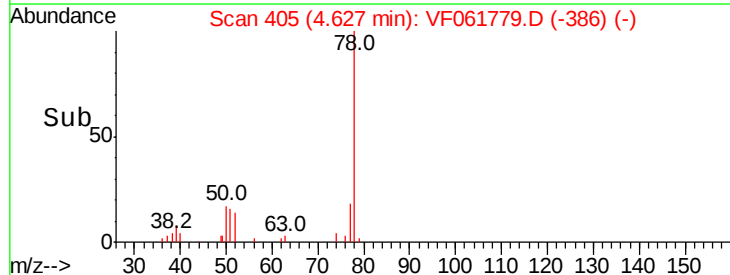
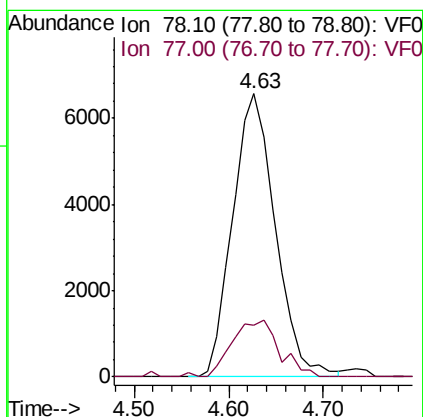
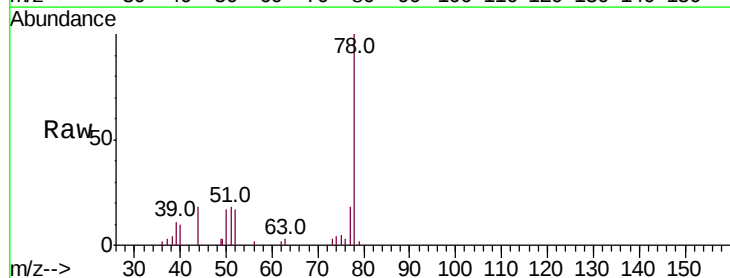
Instrument :
MSVOA_F
ClientSampled :

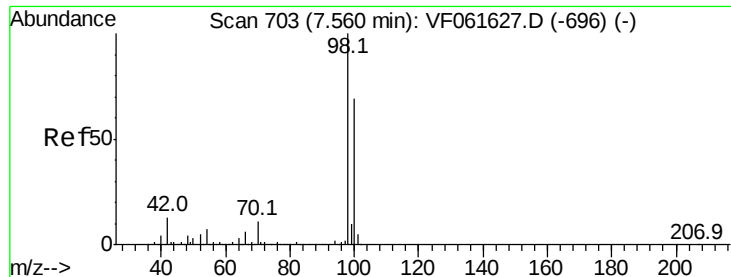
Tot Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
61 38.1 45.7 68.5#
70 0.0 8.5 12.7#



#40
Benzene
Concen: 4.413 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 78 Resp: 20574
Ion Ratio Lower Upper
78 100
77 18.3 19.0 28.6#

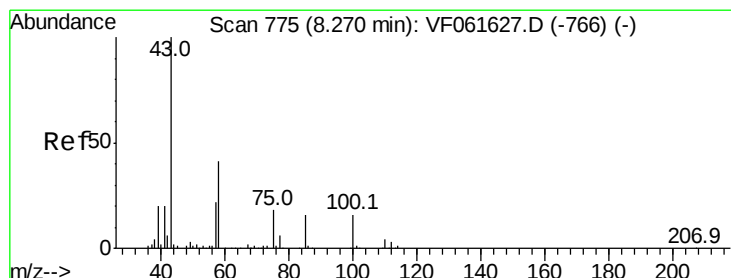
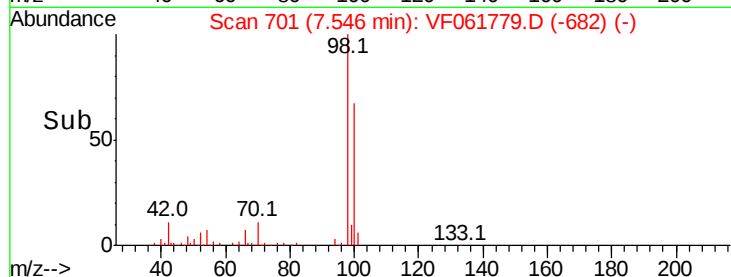
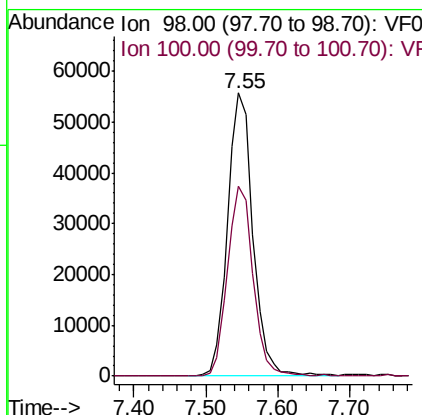
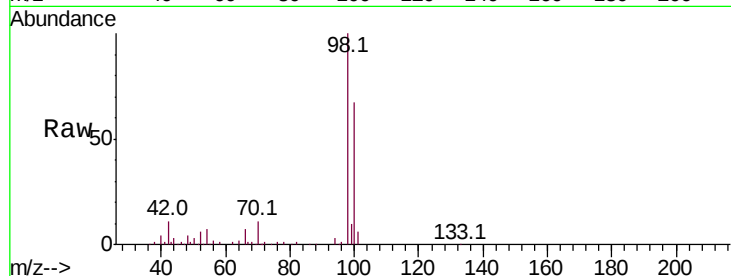




#50
Toluene-d8
Concen: 35.668 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

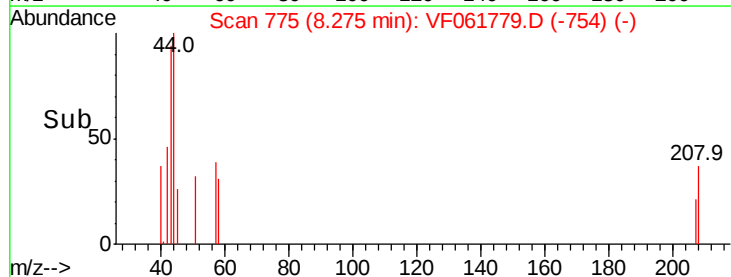
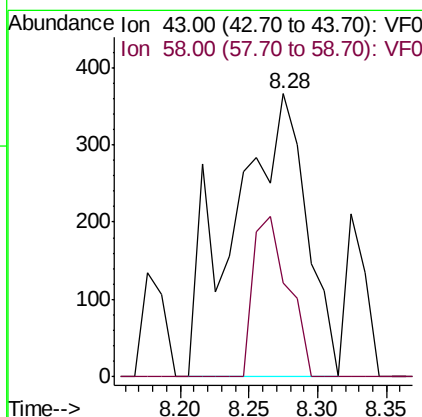
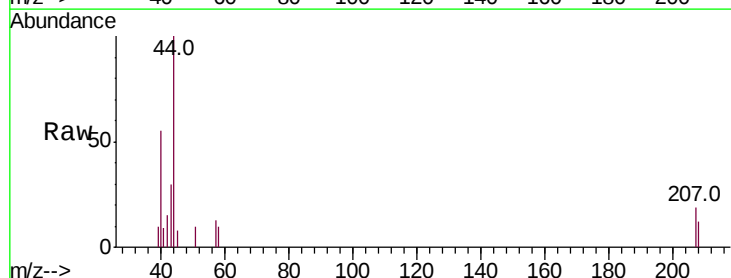
Instrument :
MSVOA_F
ClientSampled :

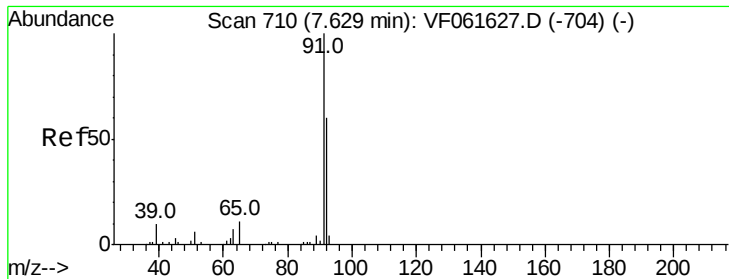
Tot Ion: 98 Resp: 137003
Ion Ratio Lower Upper
98 100
100 67.3 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.912 ug/l
RT: 8.28 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 33.3 33.1 49.7





#52

Toluene

Concen: 7.103 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

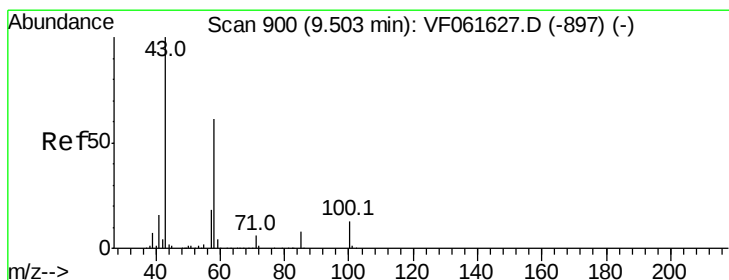
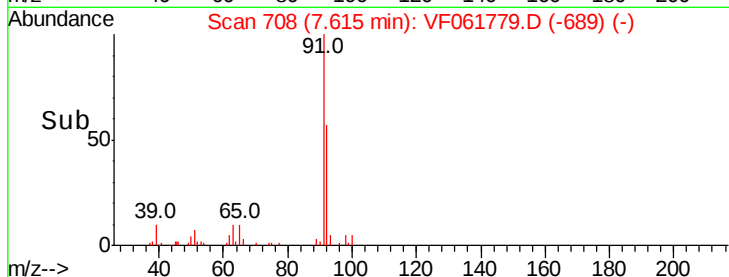
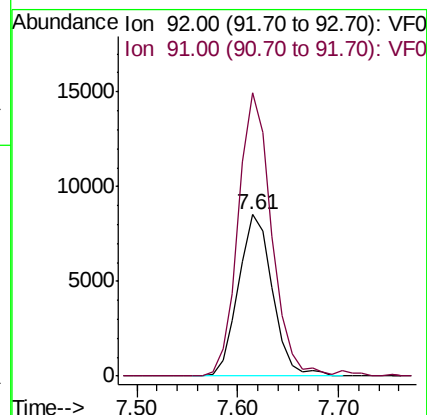
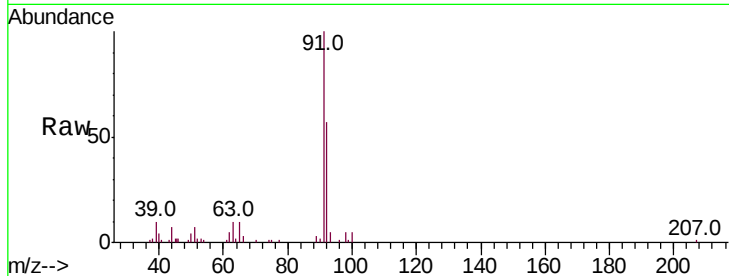
ClientSampleId :

Tot Ion: 92 Resp: 20084

Ion Ratio Lower Upper

92 100

91 175.5 133.9 200.9



#59

2-Hexanone

Concen: 1.917 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061779.D

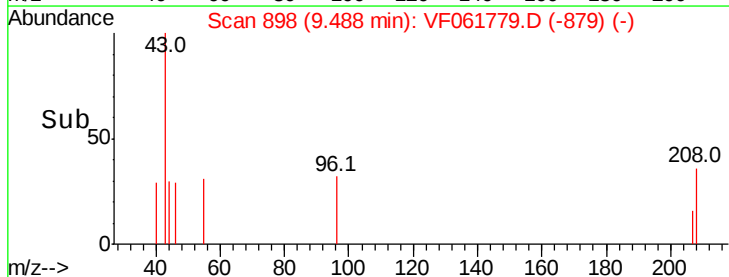
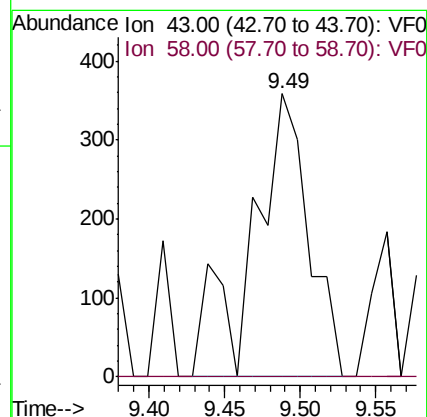
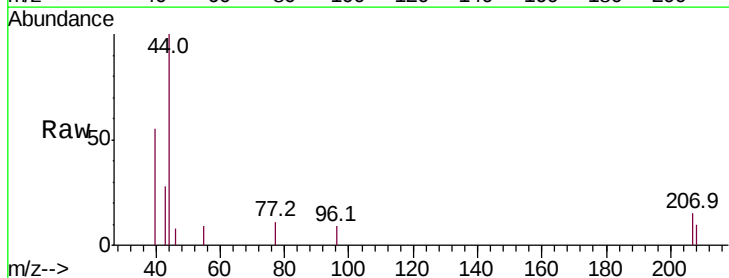
Acq: 27 Feb 2019 21:22

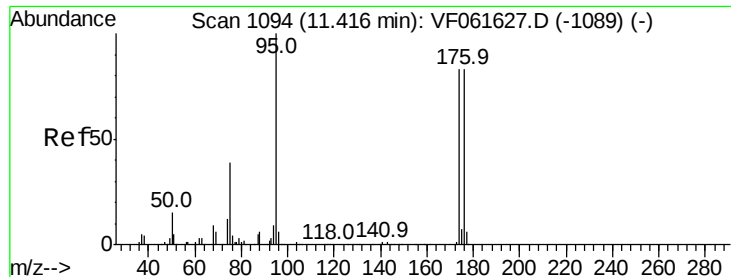
Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#





#62

4-Bromofluorobenzene

Concen: 31.909 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

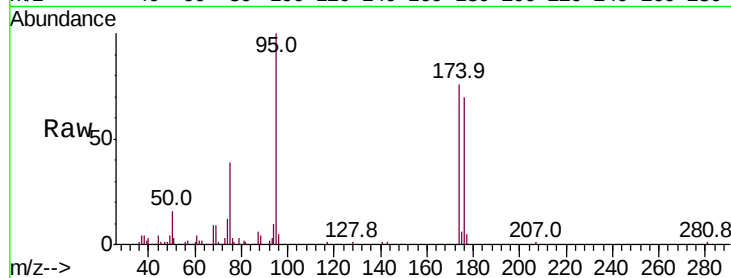
Tot Ion: 95 Resp: 49592

Ion Ratio Lower Upper

95 100

174 75.8 0.0 165.8

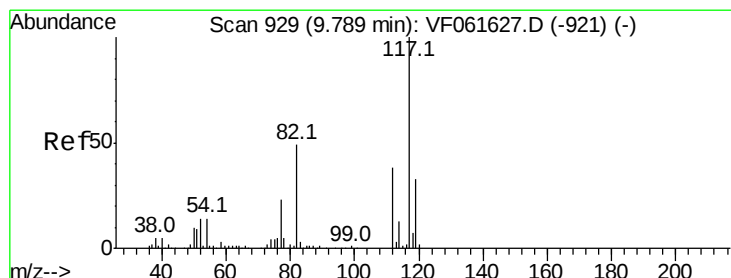
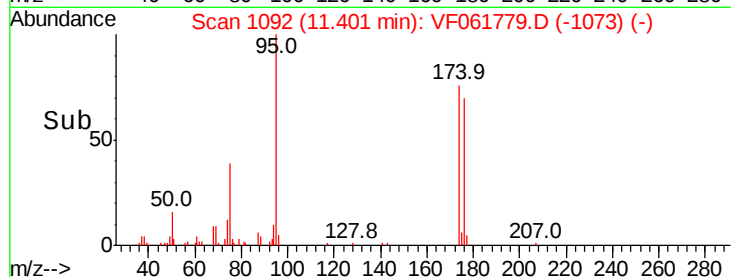
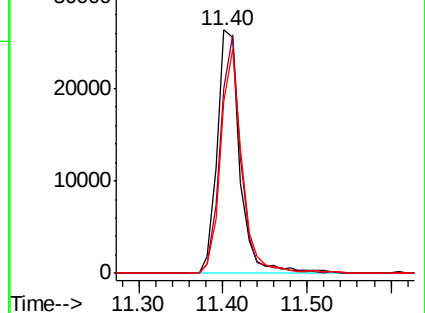
176 70.4 0.0 167.0



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: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

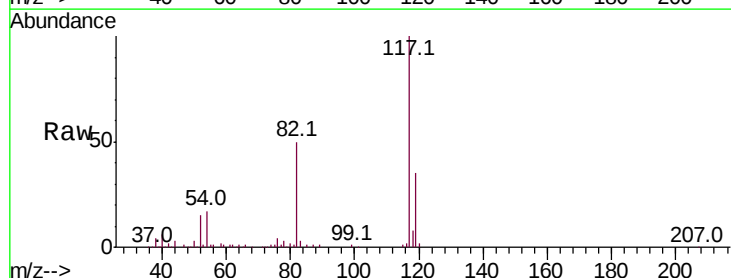
Tgt Ion: 117 Resp: 134871

Ion Ratio Lower Upper

117 100

82 49.7 39.3 58.9

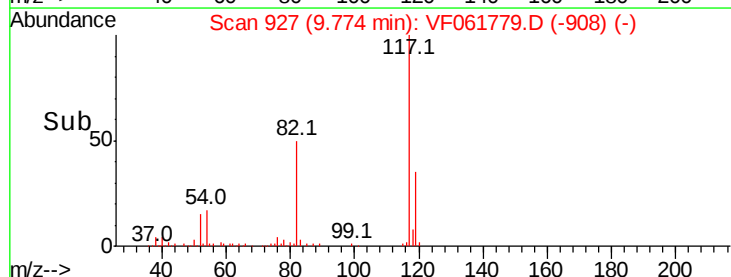
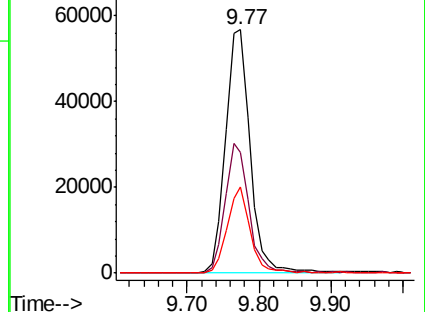
119 35.3 26.6 40.0

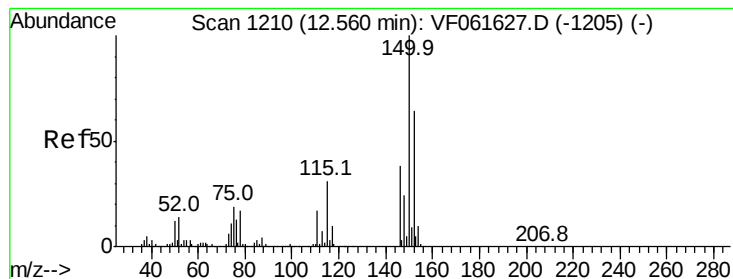


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

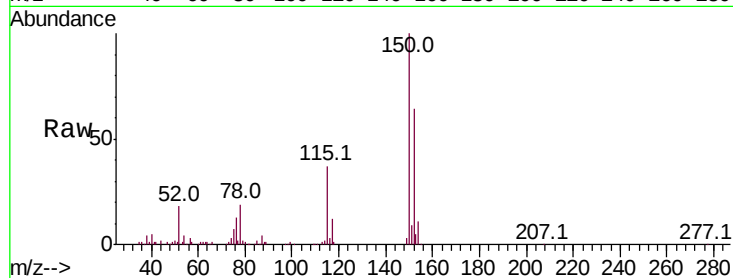
Tot Ion:152 Resp: 63573

Ion Ratio Lower Upper

152 100

115 58.0 24.3 72.8

150 155.1 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

