

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061527.D
 Acq On : 25 Jan 2019 18:16
 Operator : VA/AP
 Sample : K1015-15
 Misc : 7.45g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.86
34) 1,4-Difluorobenzene	5.80	114	62	50.00	ug/l	0.21
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	12.56	152	123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	

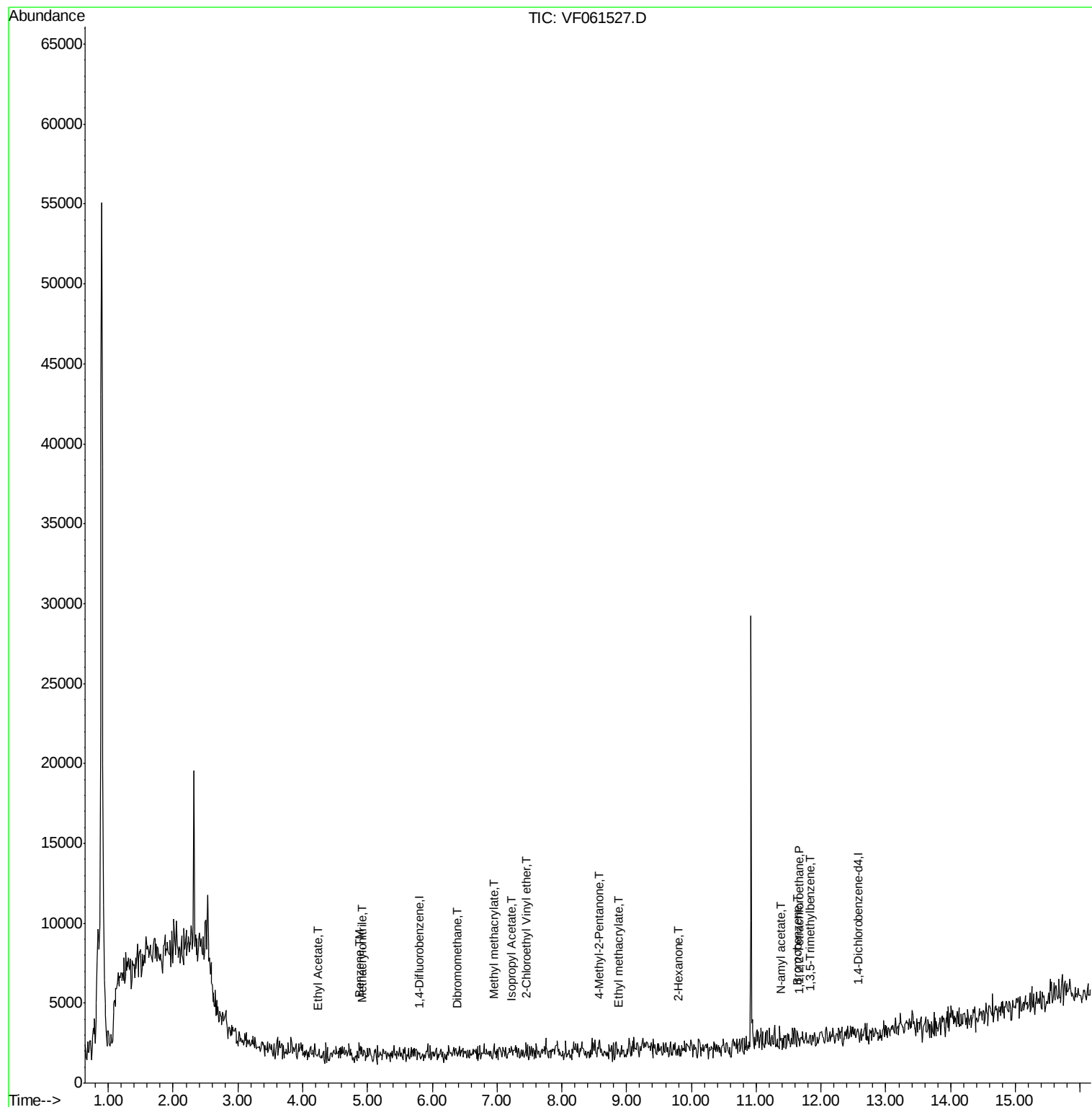
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.23	43	70	243.604	ug/l #	5
40) Benzene	4.88	78	60	37.510	ug/l #	52
41) Methacrylonitrile	4.91	41	390	2550.672	ug/l #	29
43) Isopropyl Acetate	7.22	43	337	934.434	ug/l #	51
46) Dibromomethane	6.38	93	60	214.937	ug/l #	6
48) Methyl methacrylate	6.94	41	105	433.570	ug/l #	19
51) 4-Methyl-2-Pentanone	8.56	43	137	516.724	ug/l #	39
56) Ethyl methacrylate	8.89	69	68	195.393	ug/l #	21
58) 2-Chloroethyl Vinyl ether	7.45	63	65	1612.590	ug/l #	1
59) 2-Hexanone	9.81	43	88	475.980	ug/l #	26
74) N-amyl acetate	11.38	43	222	93.848	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	11.66	83	147	82.485	ug/l #	24
77) Bromobenzene	11.63	156	62	29.346	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.83	105	69	8.547	ug/l #	28

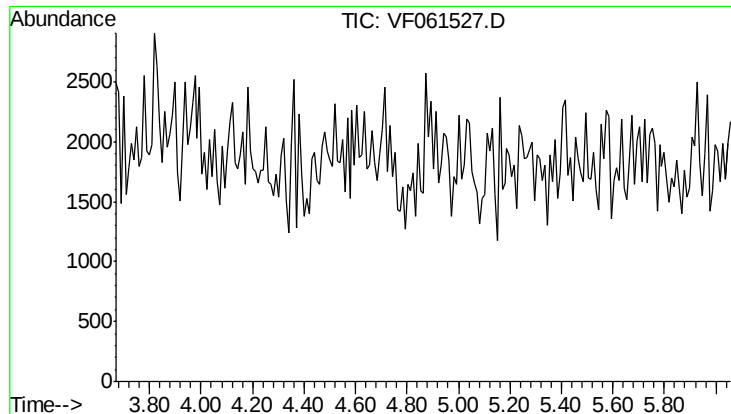
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Tot Ion: 168

Sig Exp Ratio

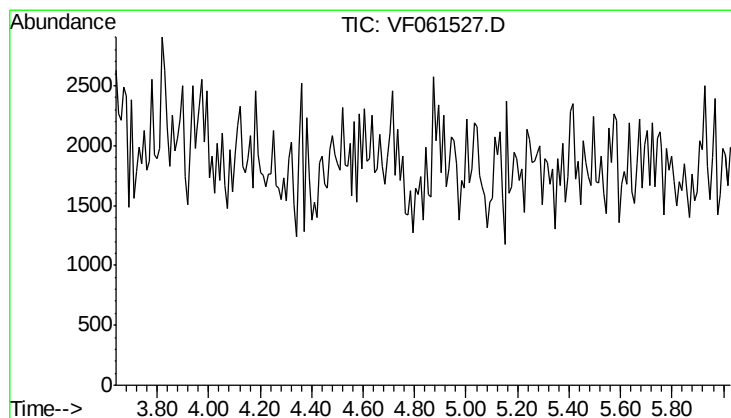
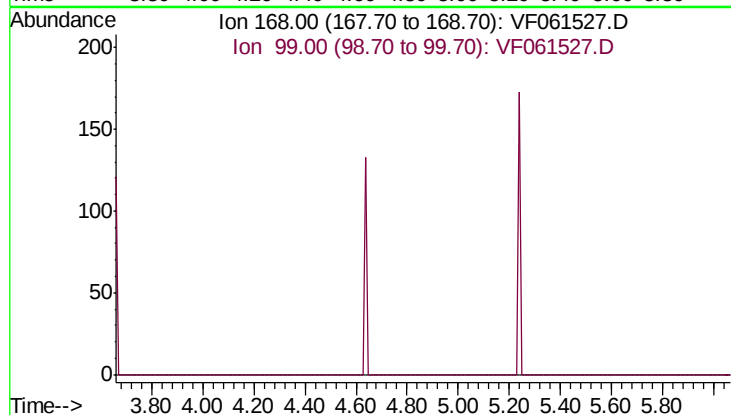
168 100

99 66.9

Instrument :

MSVOA_F

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.83 min

Lab File: VF061527.D

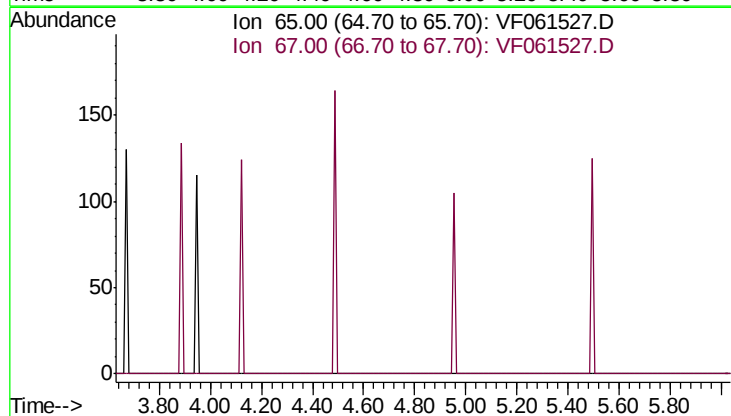
Acq: 25 Jan 2019 18:16

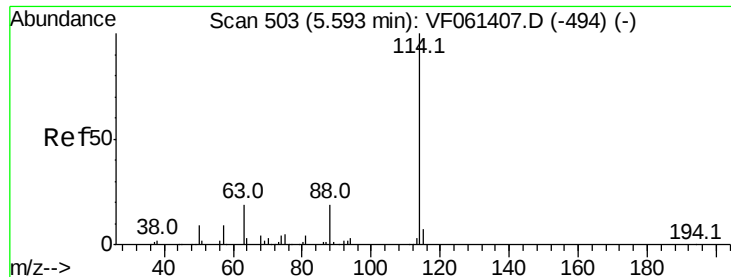
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.9





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 524

Delta R.T. 0.21 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Instrument :

MSVOA_F

ClientSampleId :

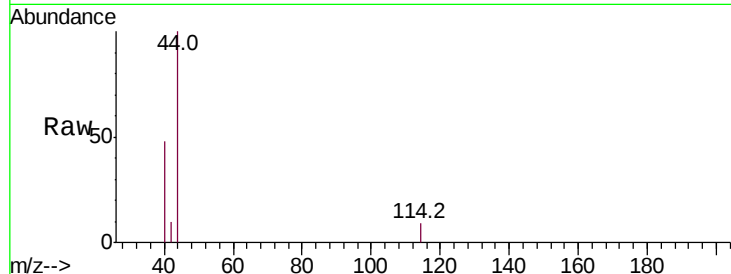
Tot Ion:114 Resp: 62

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

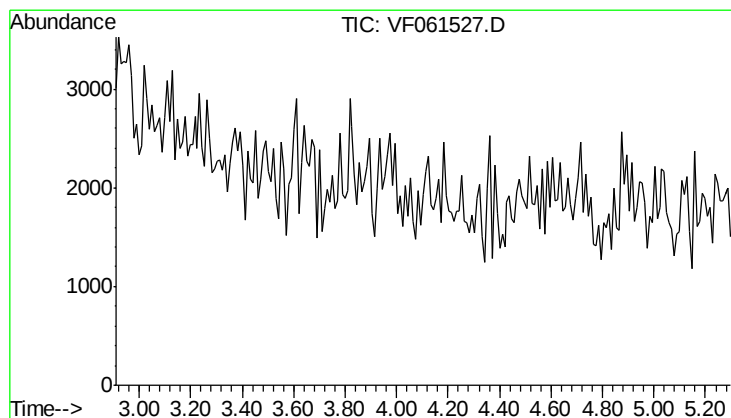
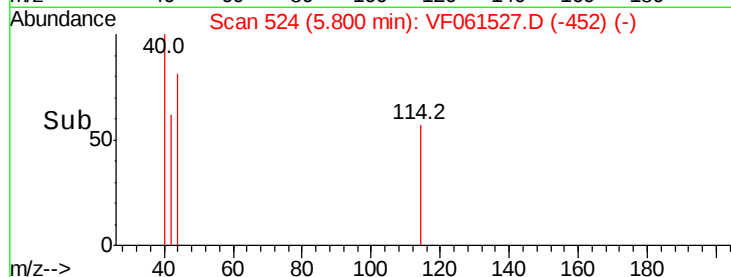
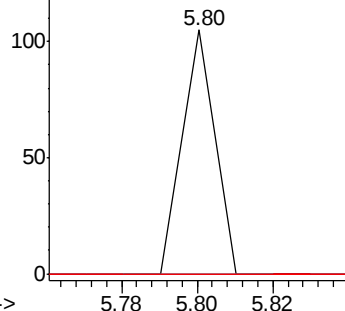
88 0.0 0.0 37.4



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: 0.000 ug/l

Expected RT: 4.10 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

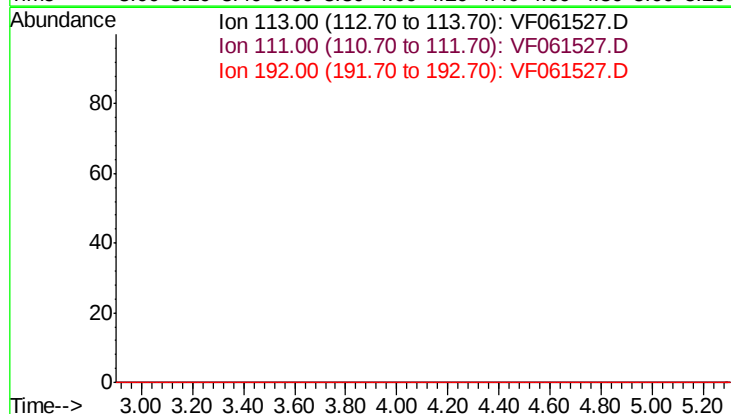
Tgt Ion: 113

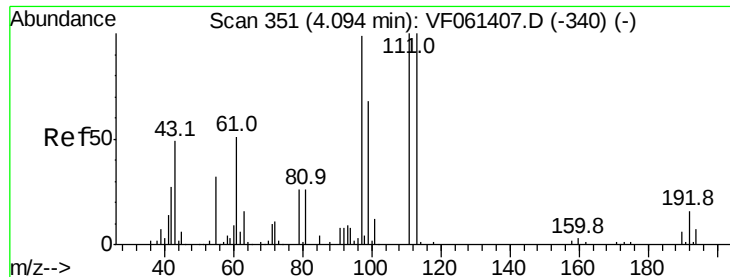
Sig Exp Ratio

113 100

111 99.2

192 15.5

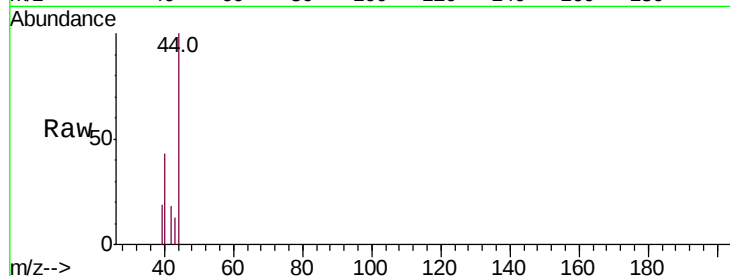




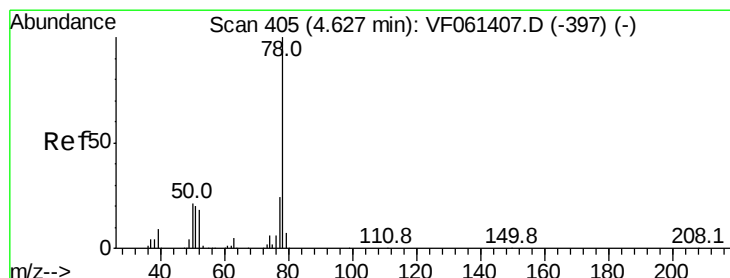
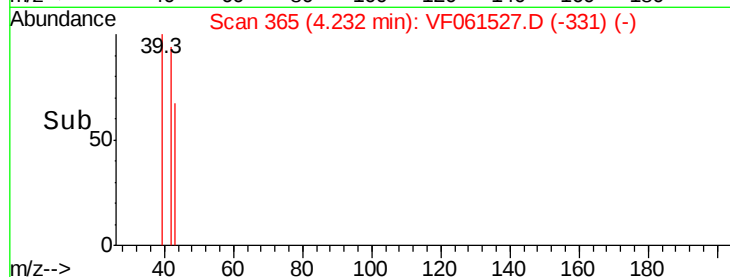
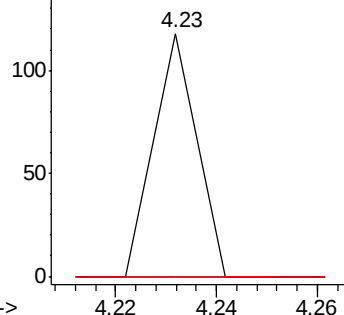
#37
Ethyl Acetate
Concen: 243.604 ug/l
RT: 4.23 min Scan# 365
Delta R.T. 0.14 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#

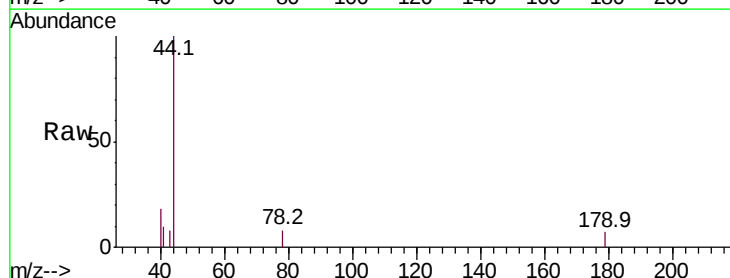


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

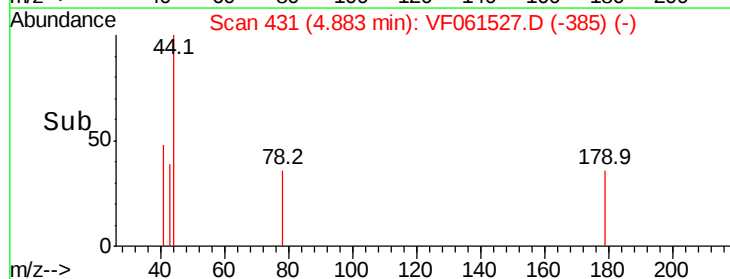
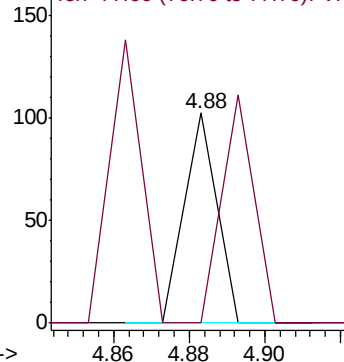


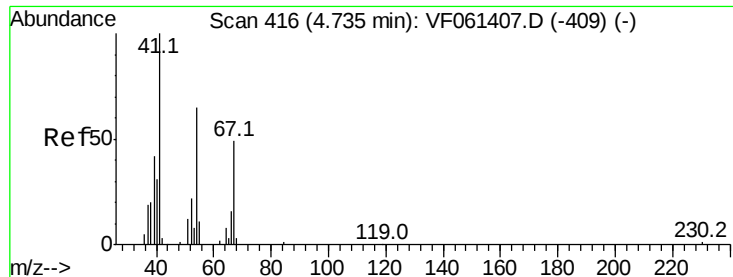
#40
Benzene
Concen: 37.510 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.26 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

Tgt Ion: 78 Resp: 60
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

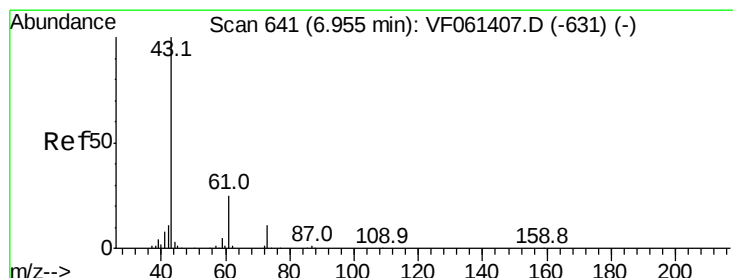
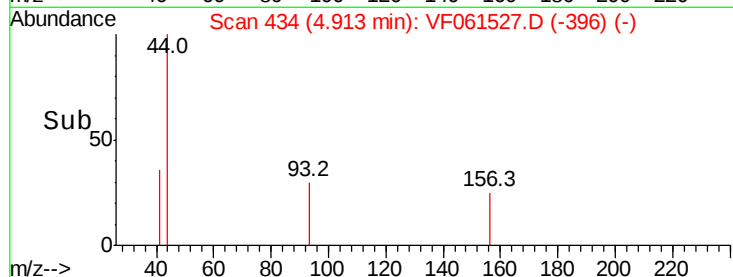
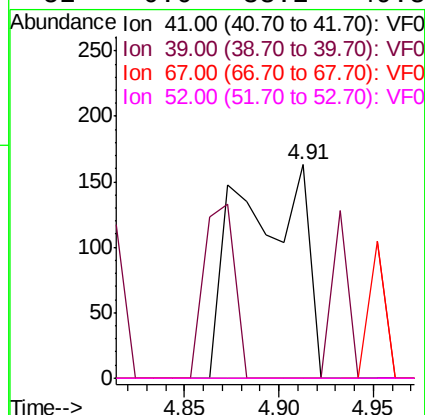
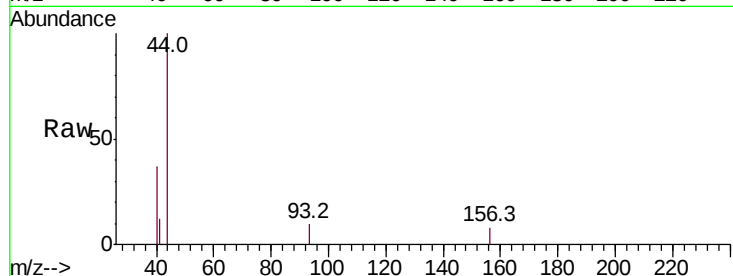




#41
Methacrylonitrile
Concen: 2550.672 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.18 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

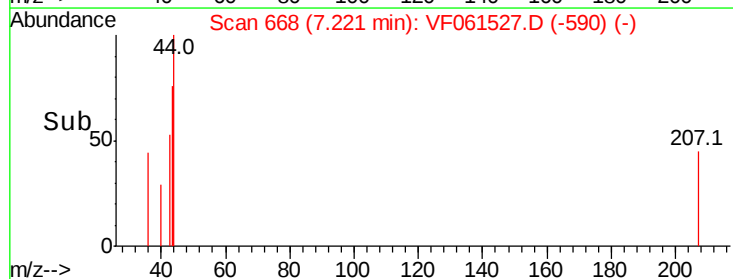
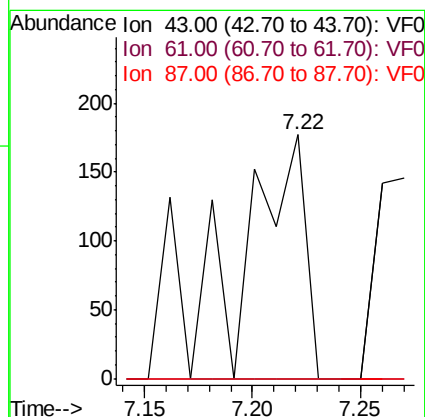
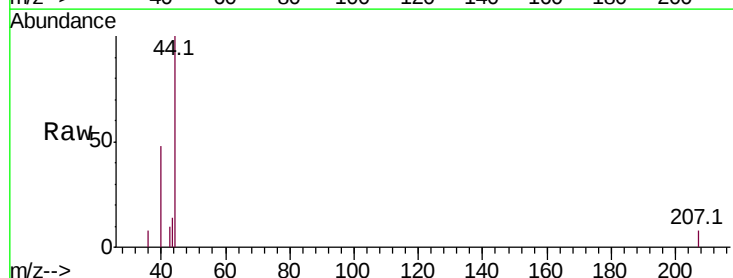
Instrument :
MSVOA_F
ClientSampleId :

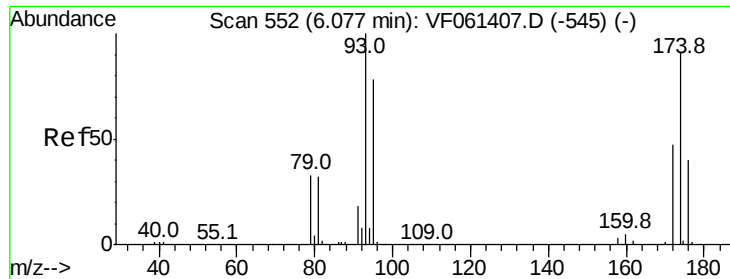
Tot Ion:	41	Resp:	390
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#43
Isopropyl Acetate
Concen: 934.434 ug/l
RT: 7.22 min Scan# 668
Delta R.T. 0.27 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

Tgt Ion:	43	Resp:	337
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#





#46

Dibromomethane

Concen: 214.937 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.31 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Instrument :

MSVOA_F

ClientSampled :

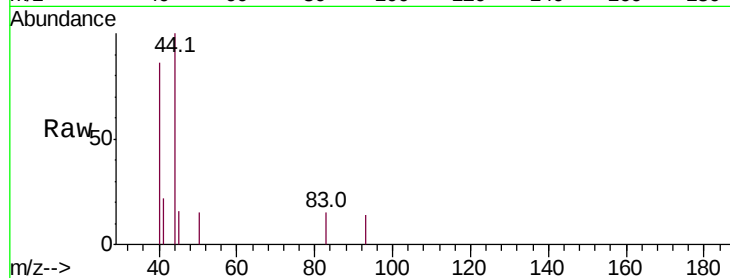
Tot Ion: 93 Resp: 60

Ion Ratio Lower Upper

93 100

95 0.0 62.1 93.1#

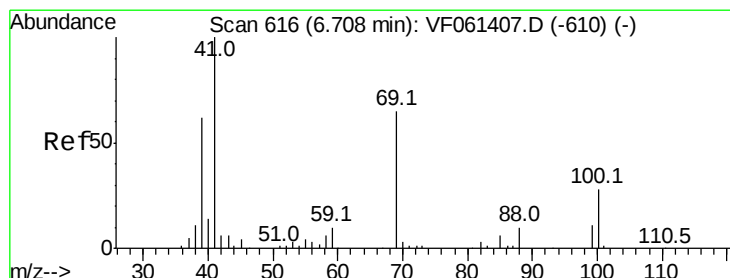
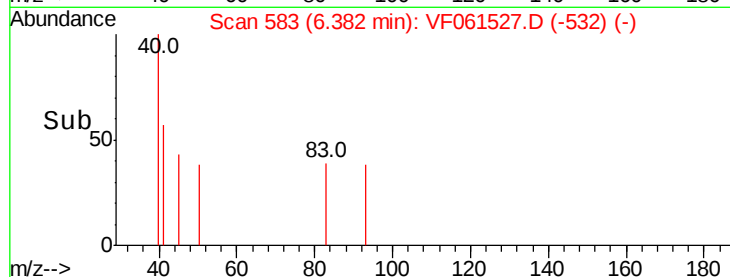
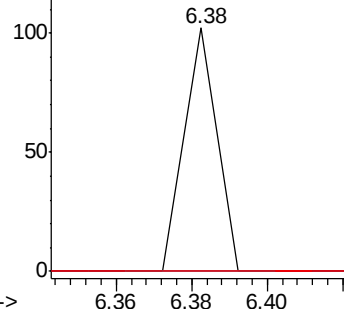
174 0.0 74.6 111.8#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 433.570 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.24 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

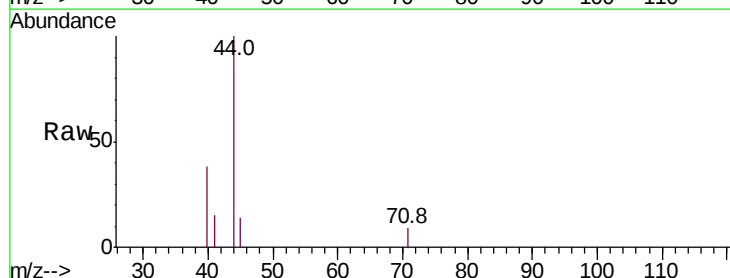
Tgt Ion: 41 Resp: 105

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

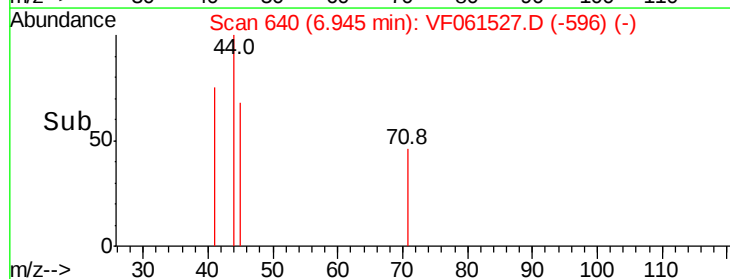
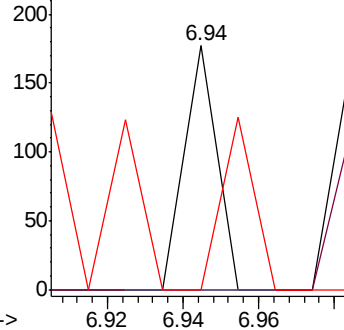
39 0.0 49.2 73.8#

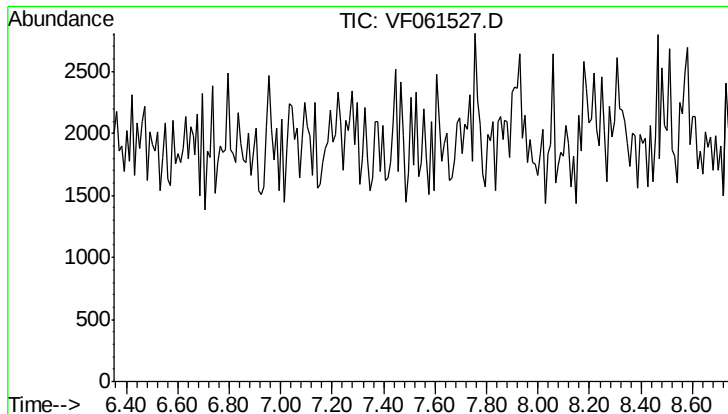


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

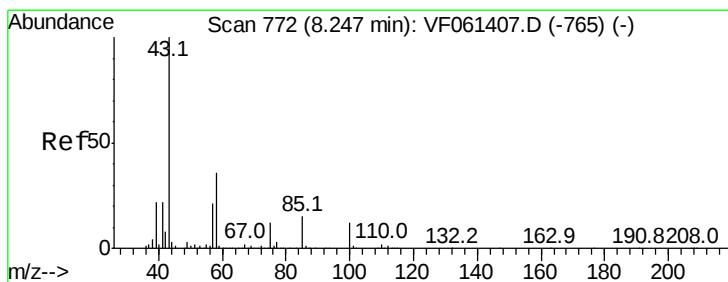
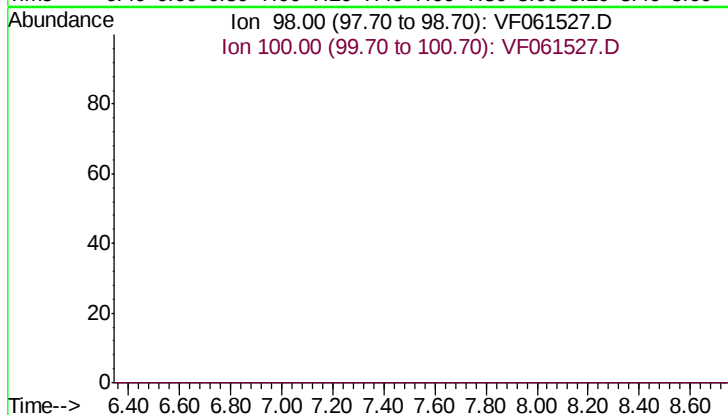




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

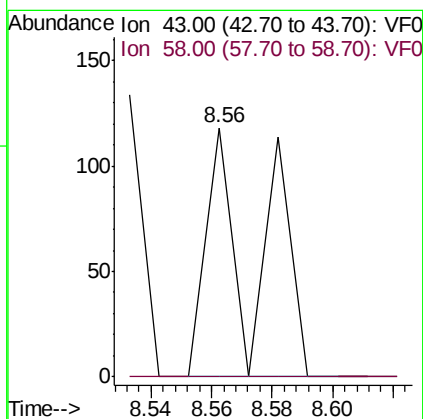
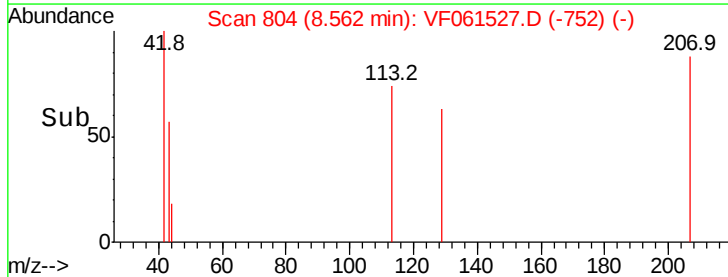
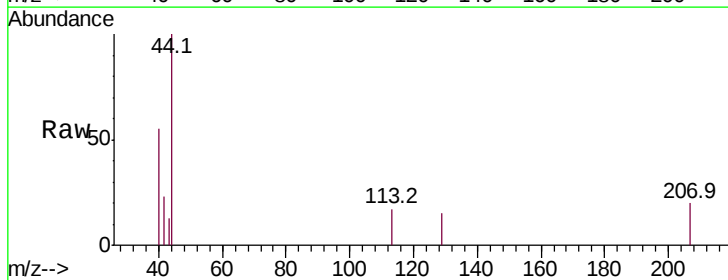
Instrument :
MSVOA_F
ClientSampleId :

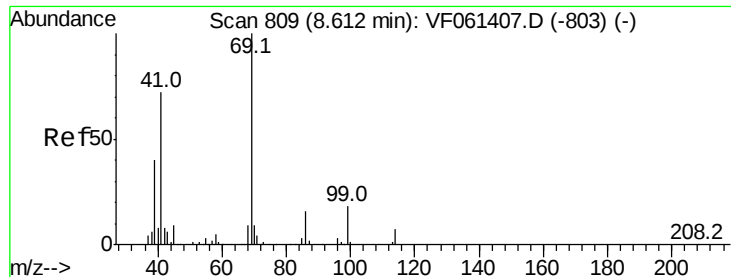
Tot Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 516.724 ug/l
RT: 8.56 min Scan# 804
Delta R.T. 0.32 min
Lab File: VF061527.D
Acq: 25 Jan 2019 18:16

Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#56

Ethyl methacrylate

Concen: 195.393 ug/l

RT: 8.89 min Scan# 837

Delta R.T. 0.28 min

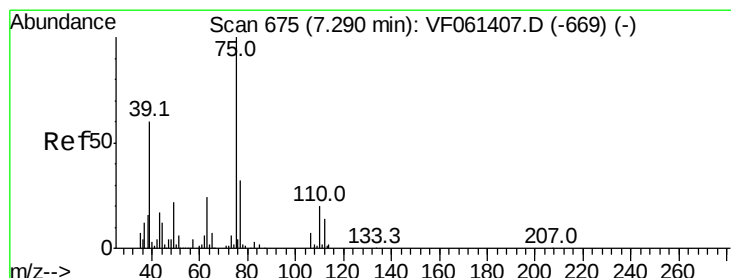
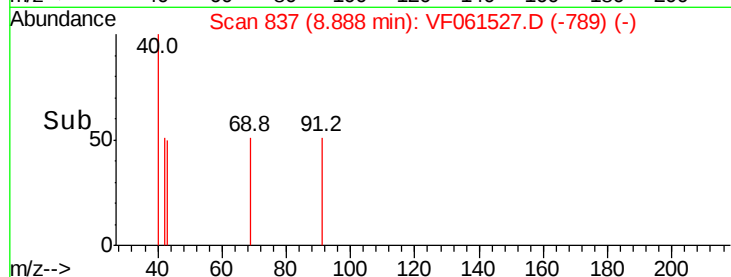
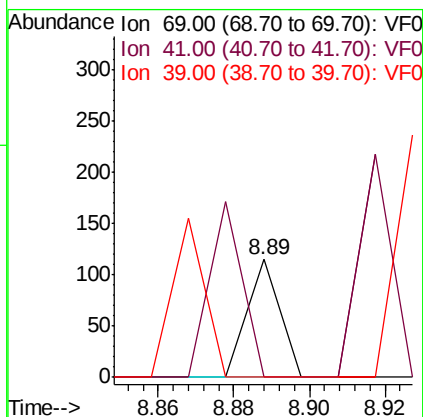
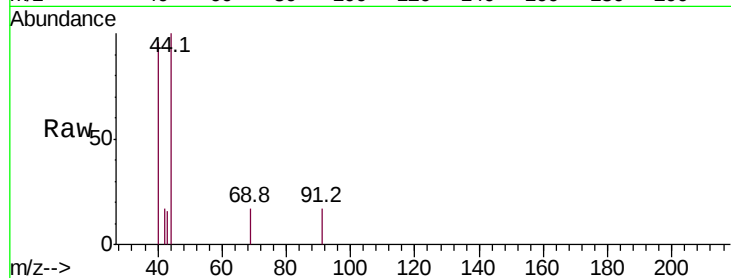
Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 69 Resp: 68

Ion	Ratio	Lower	Upper
69	100		
41	0.0	57.5	86.3#
39	0.0	32.0	48.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1612.590 ug/l

RT: 7.45 min Scan# 691

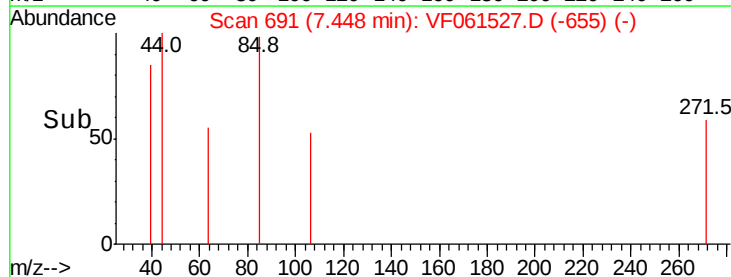
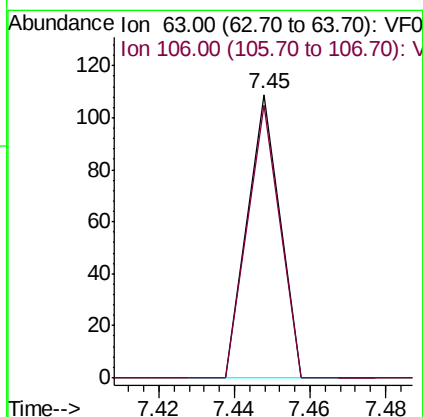
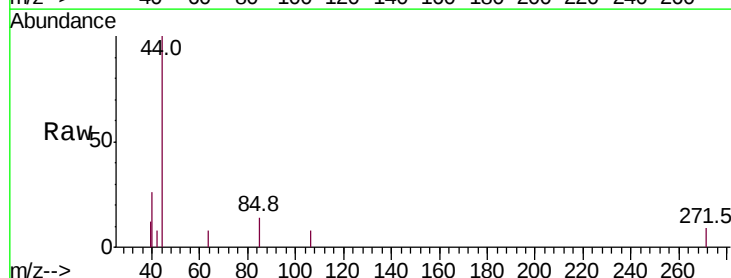
Delta R.T. 0.16 min

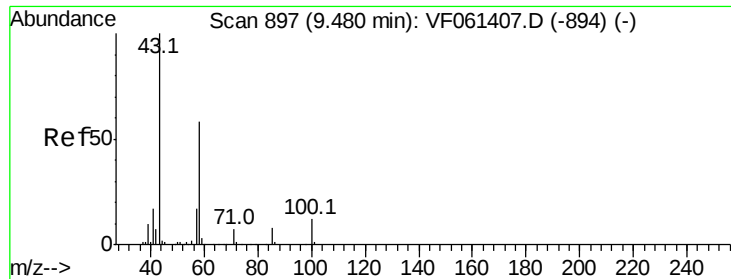
Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Tgt Ion: 63 Resp: 65

Ion	Ratio	Lower	Upper
63	100		
106	96.3	21.9	32.9#





#59

2-Hexanone

Concen: 475.980 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.33 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

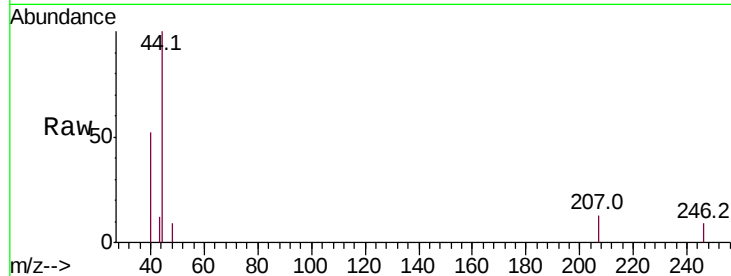
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 88

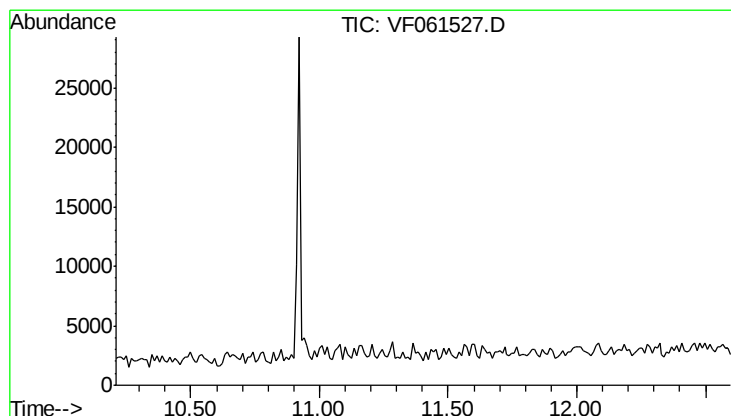
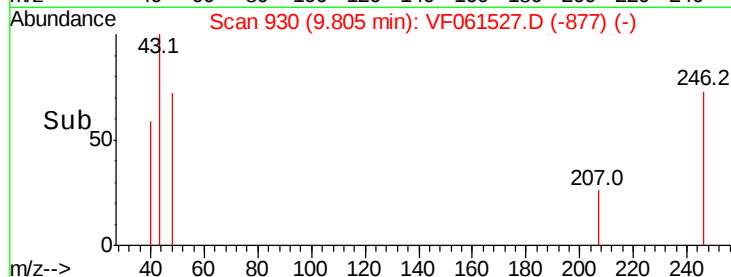
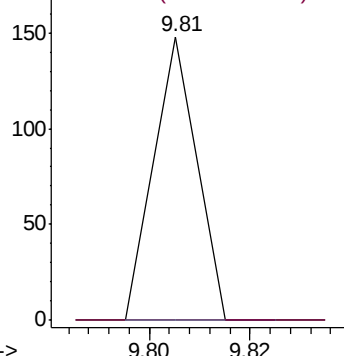
Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.40 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

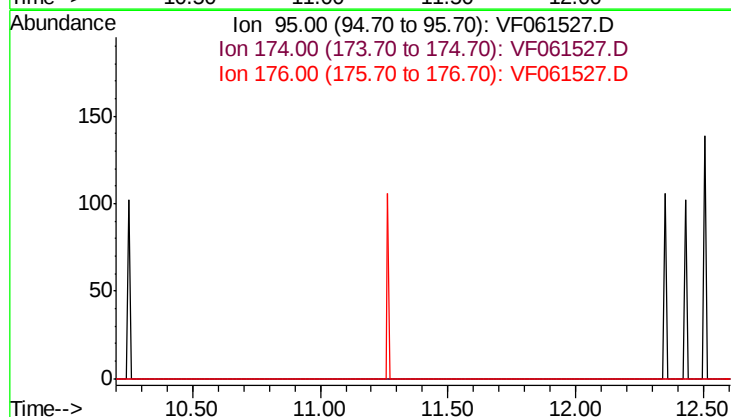
Tgt Ion: 95

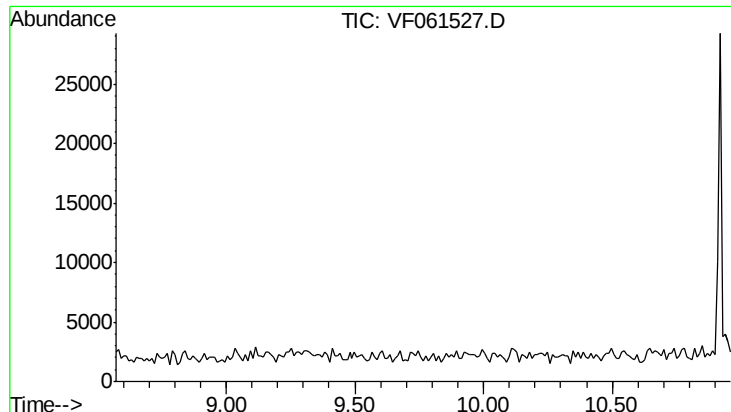
Sig Exp Ratio

95 100

174 65.2

176 63.1

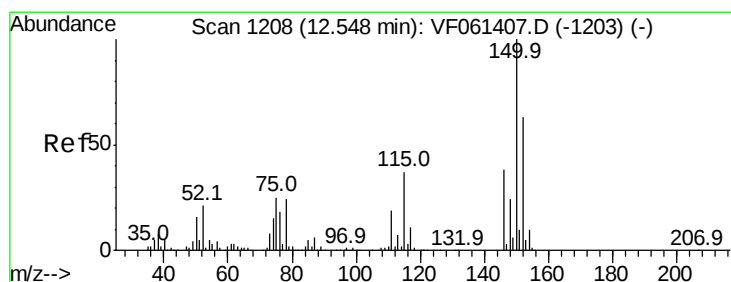
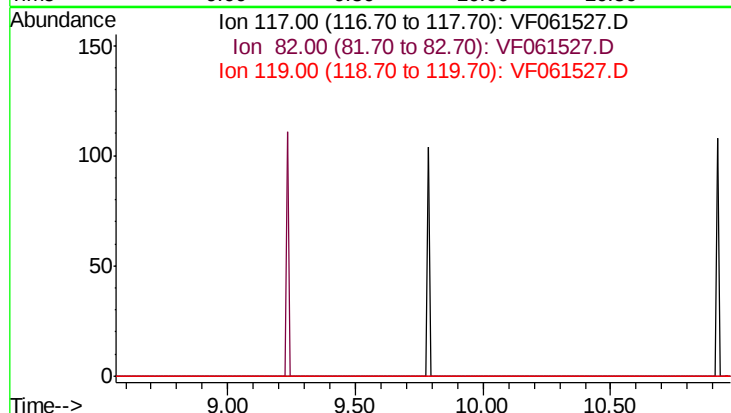




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061527.D
 Acq: 25 Jan 2019 18:16

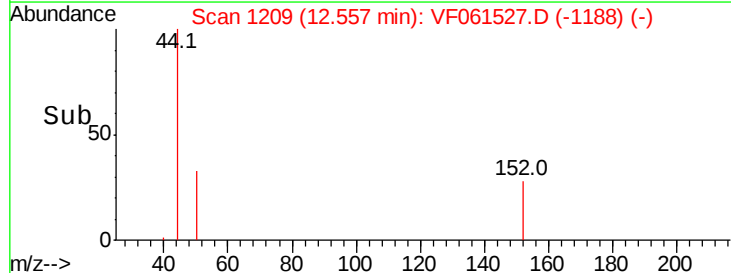
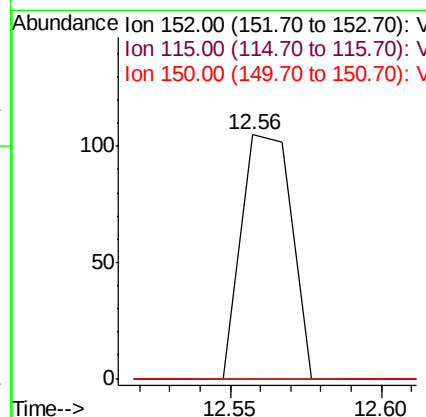
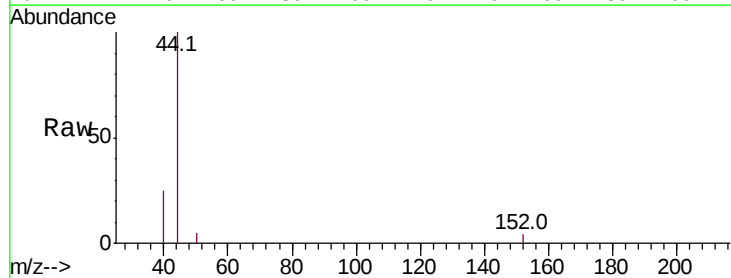
Instrument :
 MSVOA_F
 ClientSampleId :

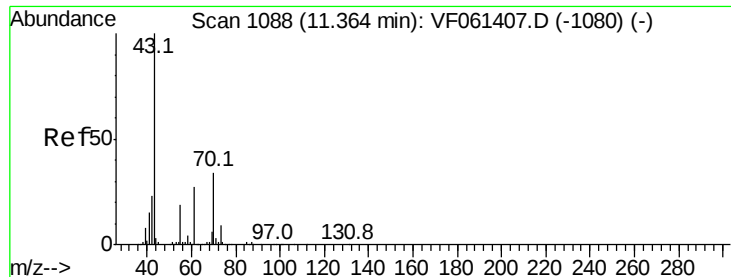
Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 58.0
 119 34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF061527.D
 Acq: 25 Jan 2019 18:16

Tgt Ion: 152 Resp: 123
 Ion Ratio Lower Upper
 152 100
 115 0.0 30.0 90.0#
 150 0.0 0.0 321.4





#74

N-amvl acetate

Concen: 93.848 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 222

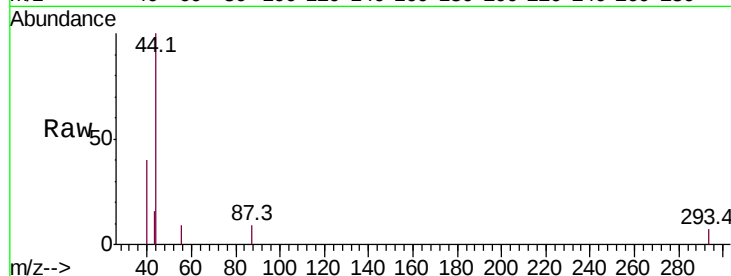
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 58.6 15.4 23.2#

61 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300

200

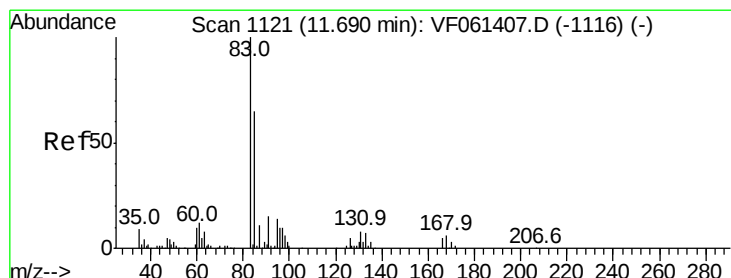
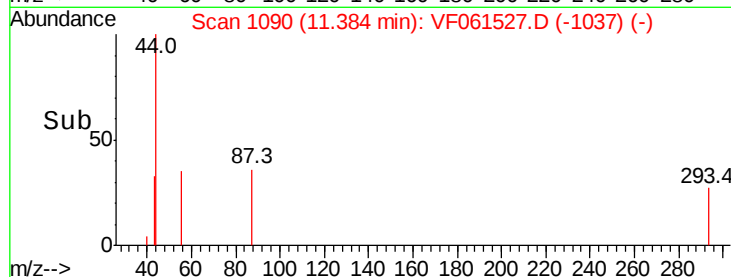
100

0

11.35

11.40

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 82.485 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

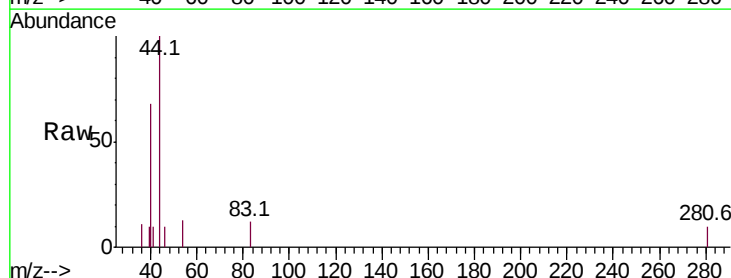
Tgt Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.2#

85 0.0 32.7 98.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

150

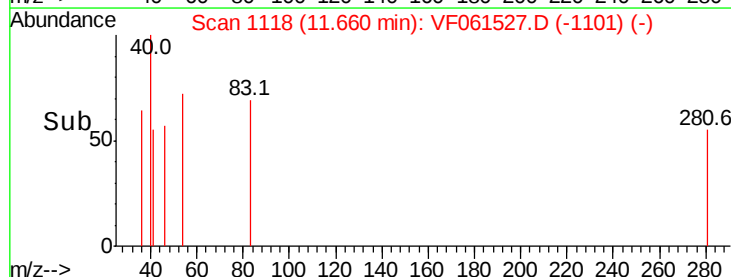
100

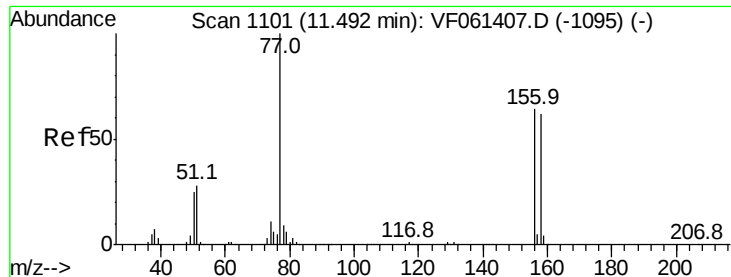
50

0

11.65

Time-->





#77

Bromobenzene

Concen: 29.346 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.14 min

Lab File: VF061527.D

Acq: 25 Jan 2019 18:16

Instrument :

MSVOA_F

ClientSampleId :

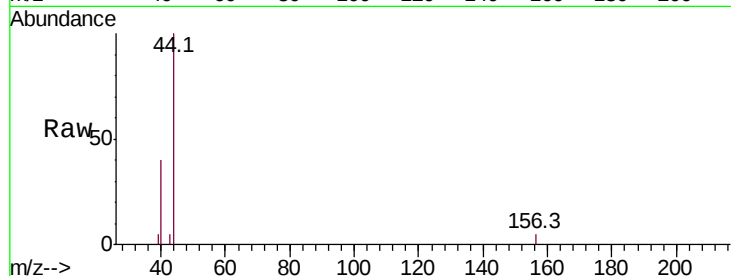
Tot Ion:156 Resp: 62

Ion Ratio Lower Upper

156 100

77 0.0 78.3 234.9#

158 0.0 48.9 146.7#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

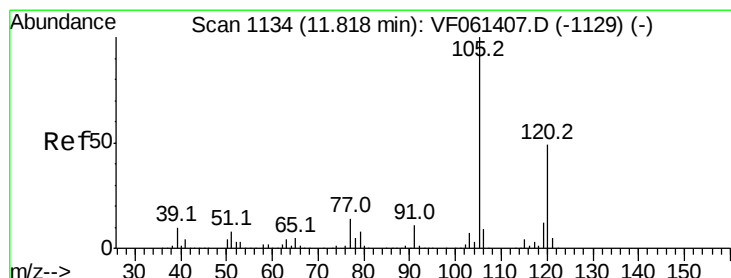
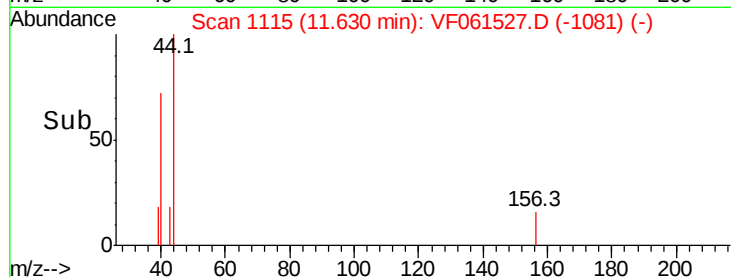
11.63

100

50

0

Time--> 11.60 11.62 11.64



#80

1,3,5-Trimethylbenzene

Concen: 8.547 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061527.D

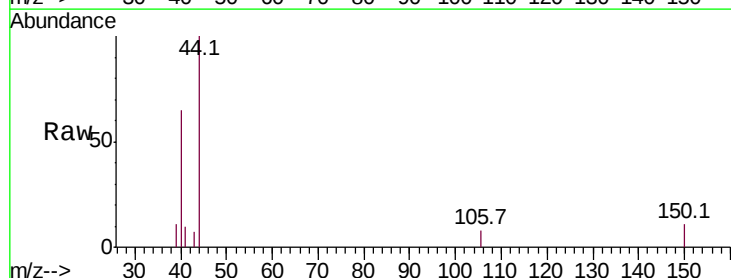
Acq: 25 Jan 2019 18:16

Tgt Ion:105 Resp: 69

Ion Ratio Lower Upper

105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.83

100

50

0

Time--> 11.80 11.82 11.84 11.86

