

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061324.D
 Acq On : 10 Jan 2019 4:09
 Operator : VA/AP
 Sample : K1082-32RE
 Misc : 5.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6RE

Quant Time: Jan 10 06:06:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 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	-4.87
34) 1,4-Difluorobenzene	5.60	114	166	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	78	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	66	0.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
50) Toluene-d8	7.58	98	88	23.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	46.82%	
62) 4-Bromofluorobenzene	11.45	95	63	38.38	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	76.76%	

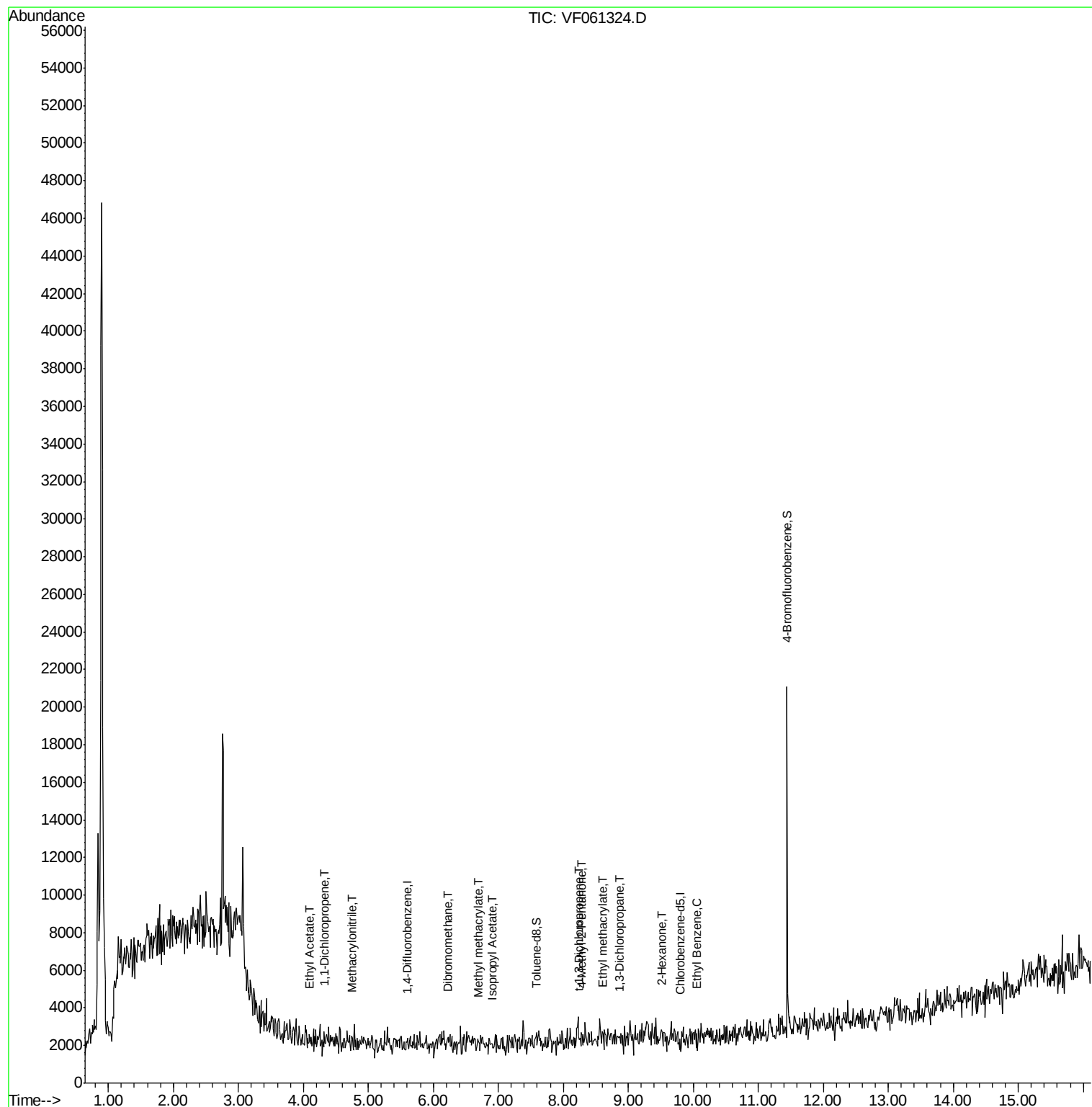
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.32	75	69	35.595	ug/l #	42
37) Ethyl Acetate	4.09	43	278	393.812	ug/l #	1
41) Methacrylonitrile	4.77	41	199	504.805	ug/l #	52
43) Isopropyl Acetate	6.92	43	91	97.641	ug/l #	45
46) Dibromomethane	6.22	93	60	84.912	ug/l #	8
48) Methyl methacrylate	6.71	41	61	100.836	ug/l #	21
51) 4-Methyl-2-Pentanone	8.28	43	241	342.593	ug/l #	38
53) t-1,3-Dichloropropene	8.25	75	88	63.763	ug/l #	44
56) Ethyl methacrylate	8.61	69	74	81.341	ug/l #	7
57) 1,3-Dichloropropane	8.86	76	69	47.897	ug/l #	41
59) 2-Hexanone	9.51	43	79	158.518	ug/l #	27
67) Ethyl Benzene	10.05	91	66	21.733	ug/l #	48

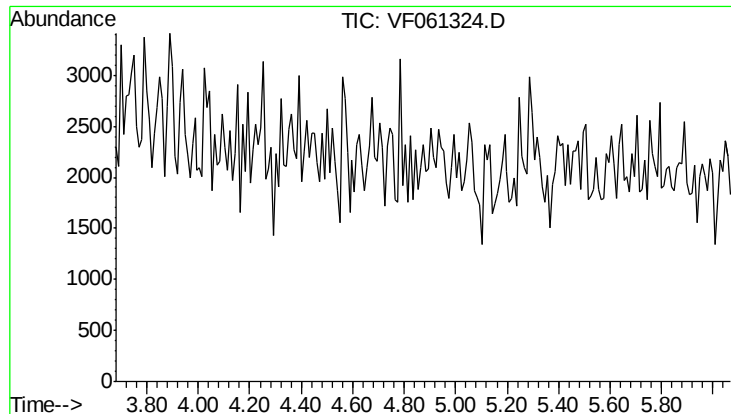
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

Tot Ion: 168

Sig Exp Ratio

168 100

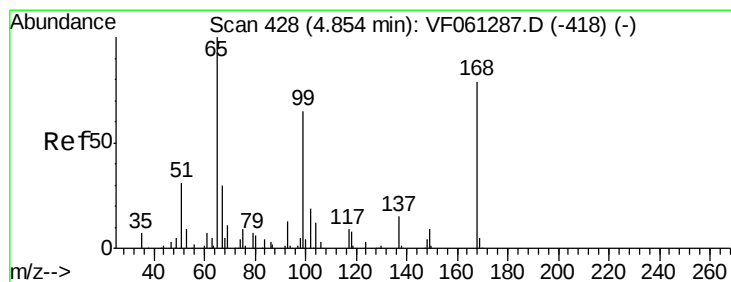
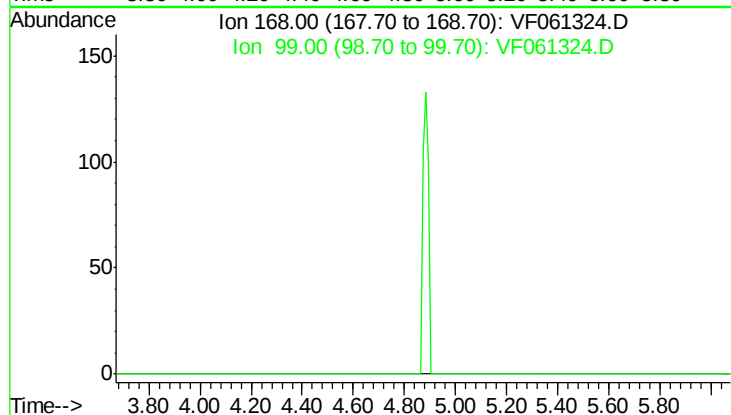
99 65.9

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6RE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061324.D

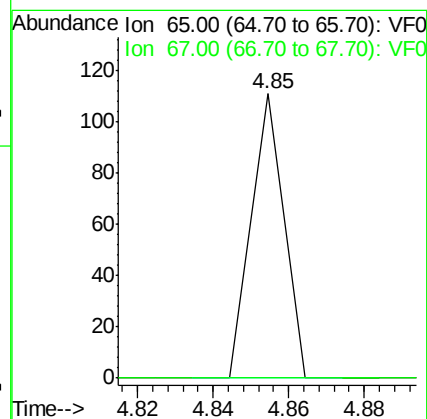
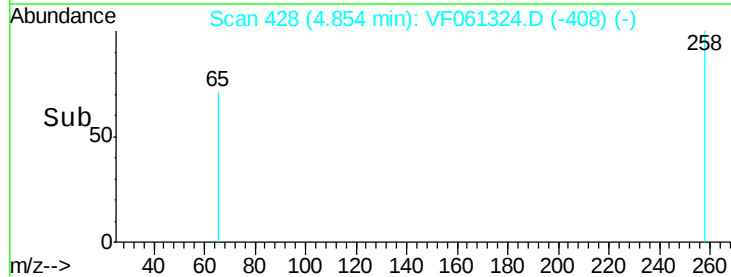
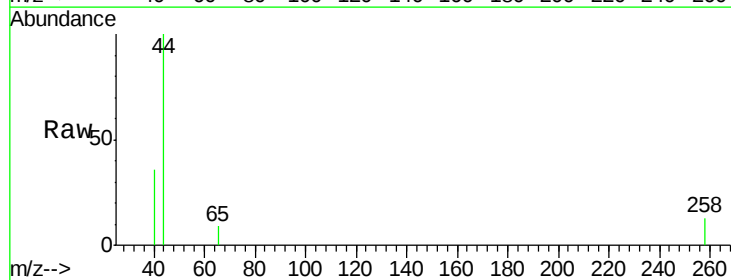
Acq: 10 Jan 2019 4:09

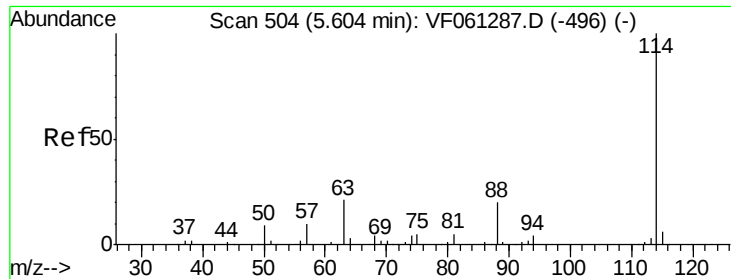
Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.2

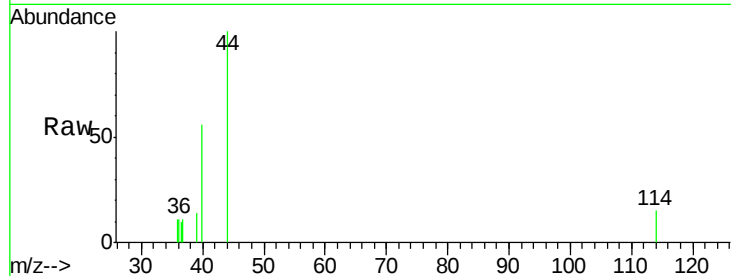




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6RE

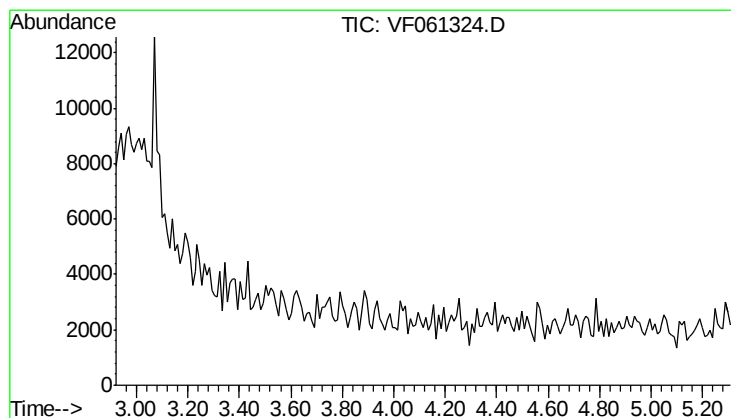
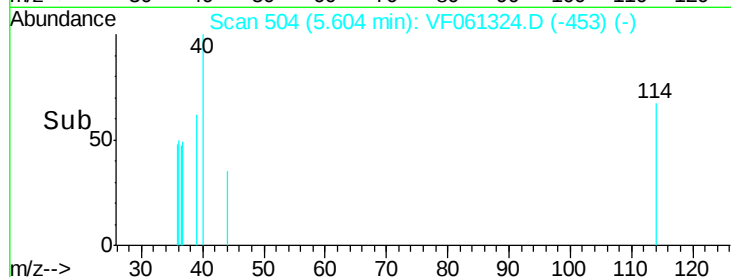
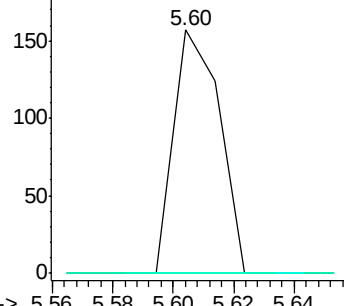
Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	42.8
88	0.0	0.0	40.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

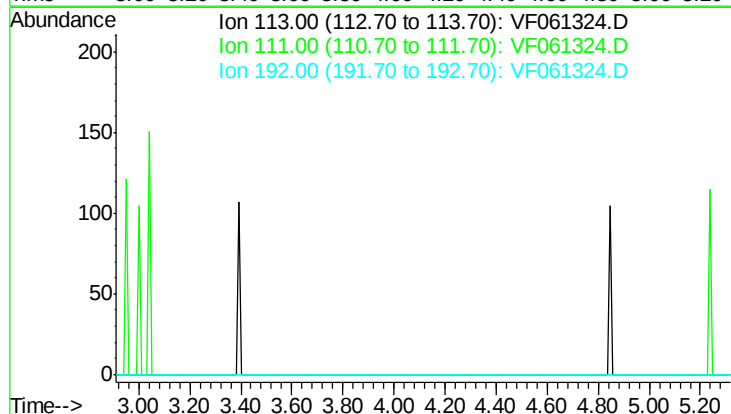
Ion 88.00 (87.70 to 88.70): VF0

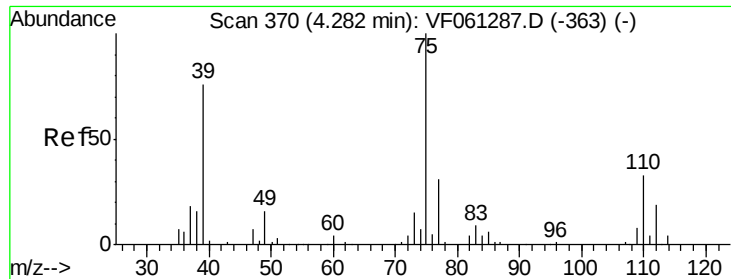


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

Tgt Ion	Exp Ratio
113	100
111	97.5
192	13.3





#36

1,1-Dichloropropene

Concen: 35.595 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.04 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6RE

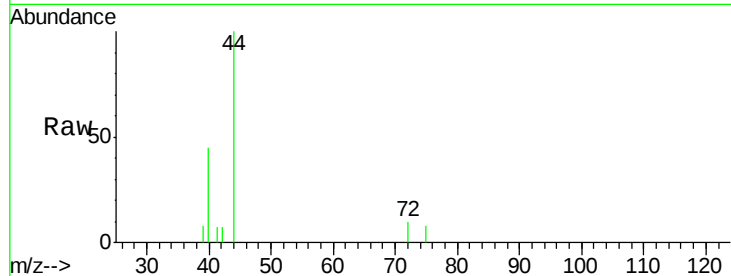
Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 16.6 49.8#

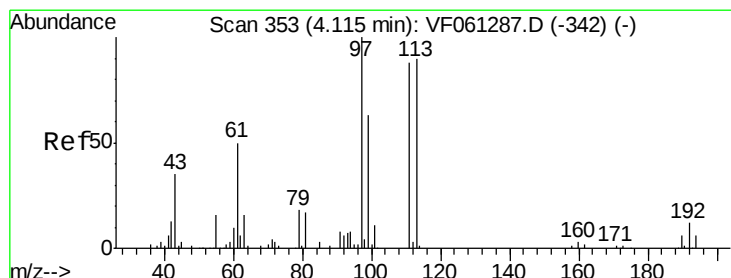
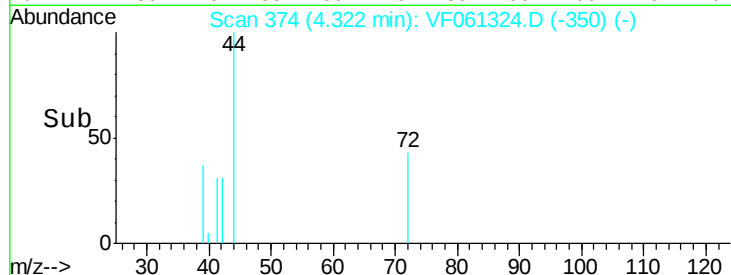
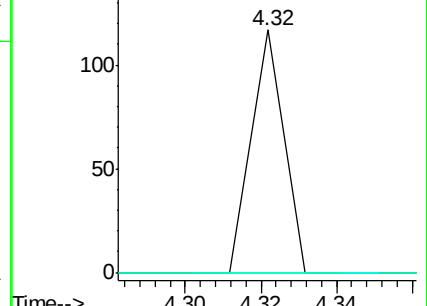
77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 393.812 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

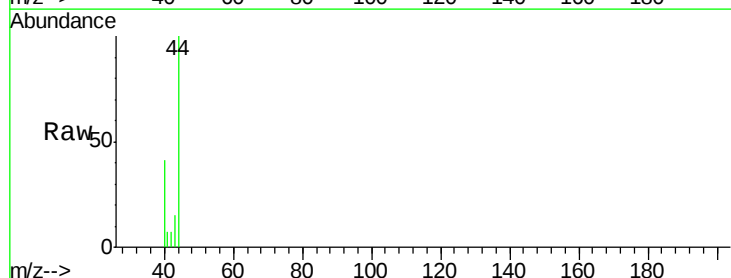
Tgt Ion: 43 Resp: 278

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

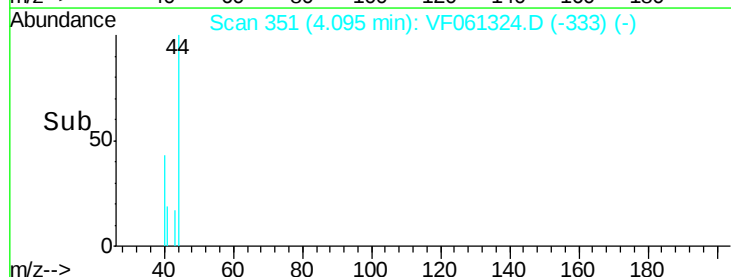
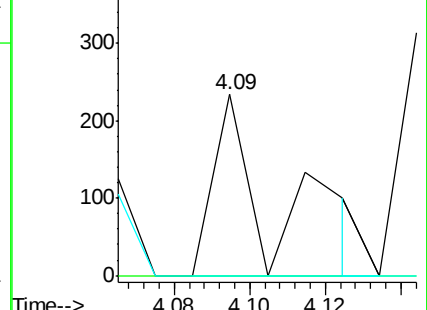
70 0.0 9.4 14.0#

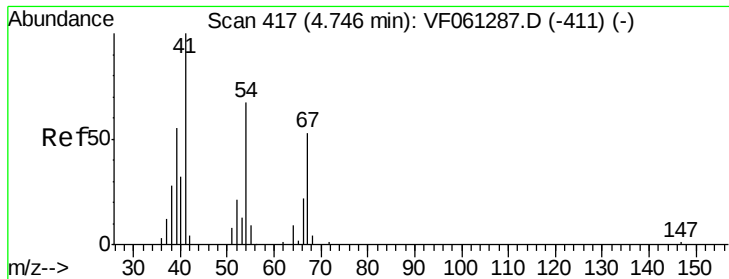


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 504.805 ug/l

RT: 4.77 min Scan# 419

Delta R.T. 0.02 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6RE

Tot Ion: 41 Resp: 199

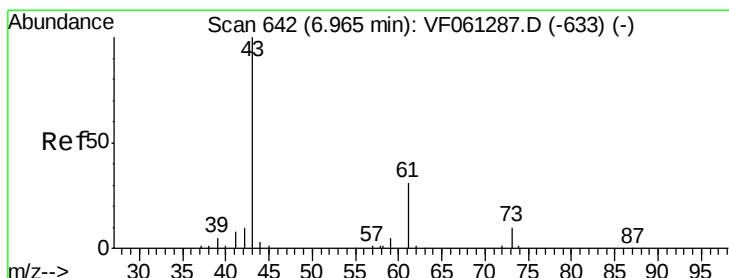
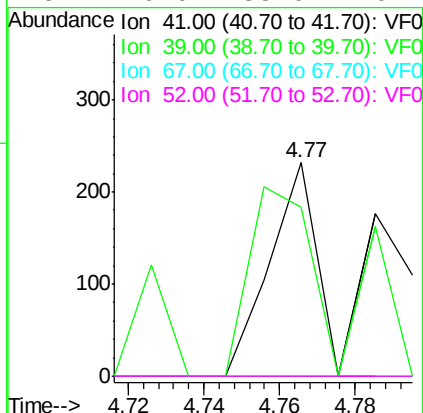
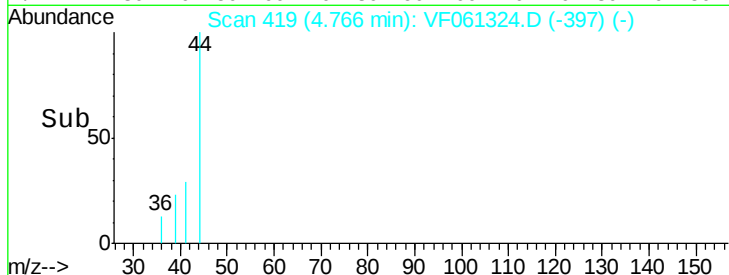
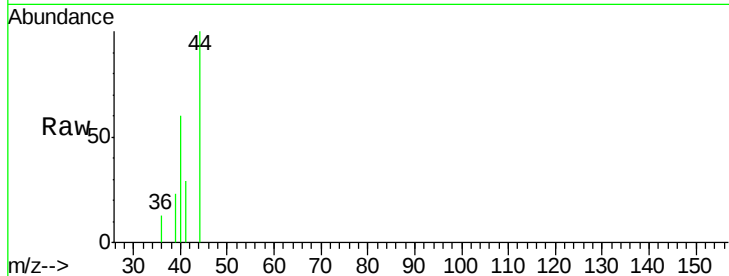
Ion Ratio Lower Upper

41 100

39 78.9 52.7 79.1

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#



#43

Isopropyl Acetate

Concen: 97.641 ug/l

RT: 6.92 min Scan# 637

Delta R.T. -0.05 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

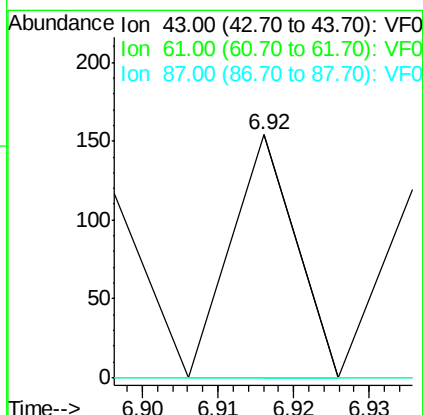
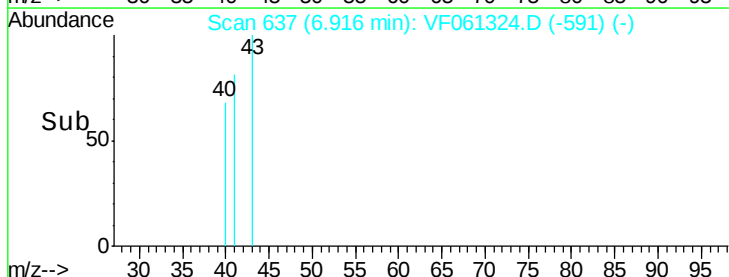
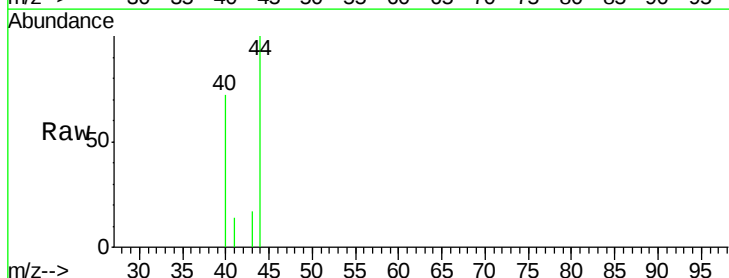
Tgt Ion: 43 Resp: 91

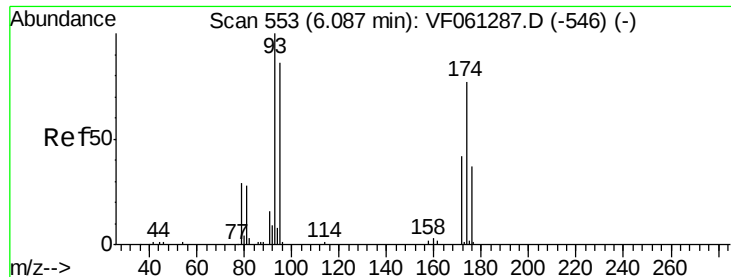
Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

87 0.0 0.2 0.4#

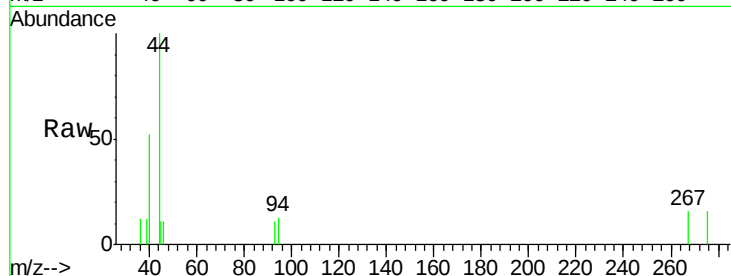




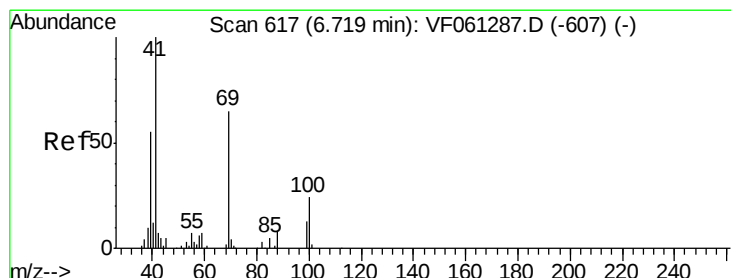
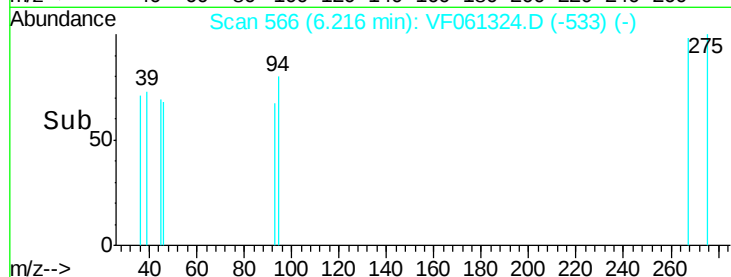
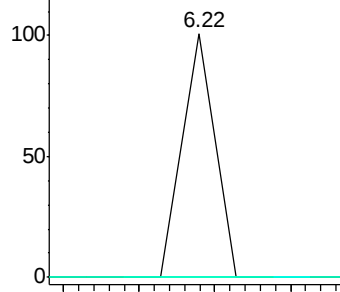
#46
Dibromomethane
Concen: 84.912 ug/l
RT: 6.22 min Scan# 566
Delta R.T. 0.13 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

Instrument :
MSVOA_F
ClientSampleId :
SP-1-6RE

Tot Ion: 93 Resp: 60
Ion Ratio Lower Upper
93 100
95 0.0 68.8 103.2#
174 0.0 62.9 94.3#

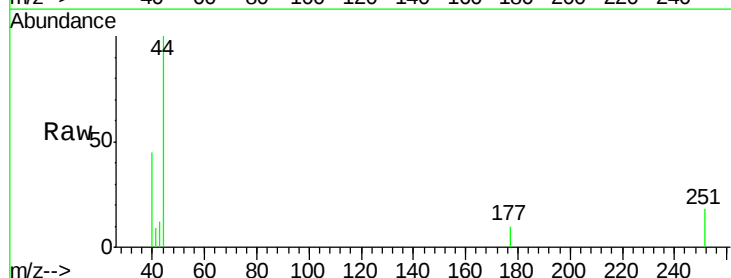


Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V

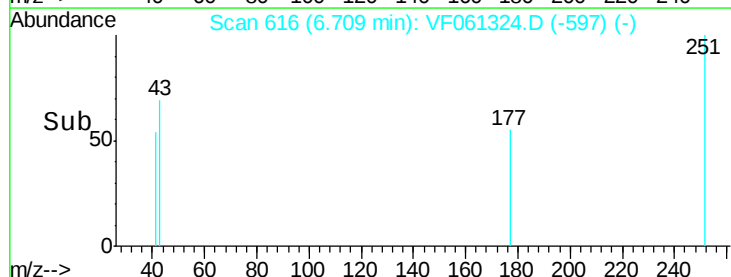
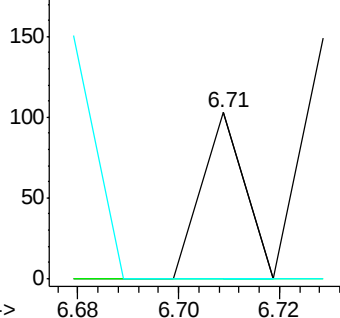


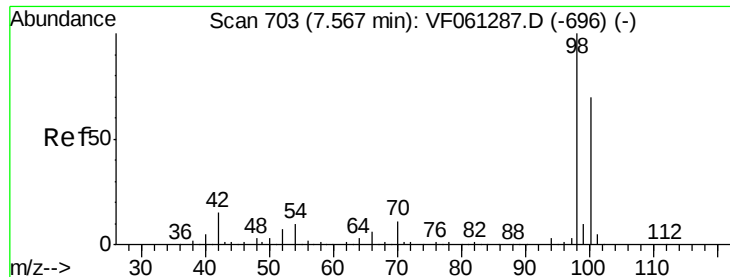
#48
Methyl methacrylate
Concen: 100.836 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 0.0 44.1 66.1#



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

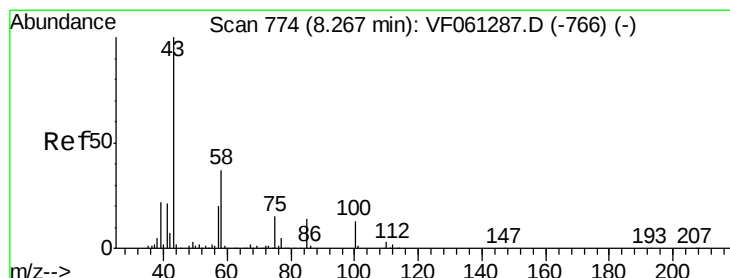
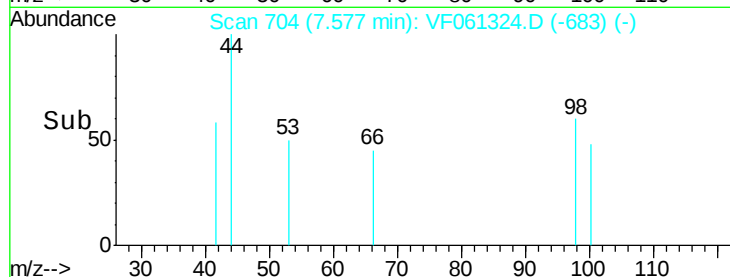
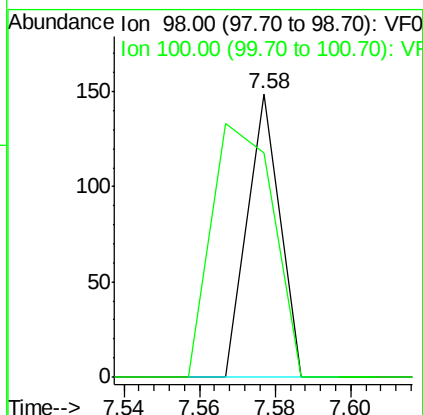
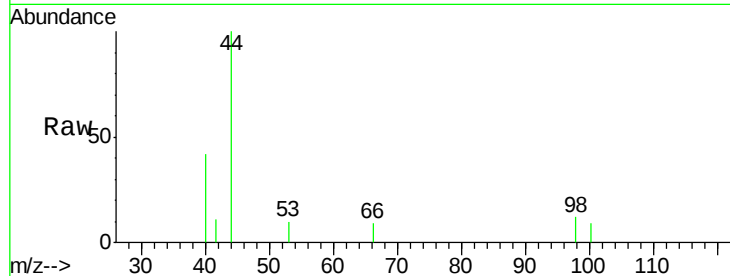




#50
Toluene-d8
Concen: 23.412 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

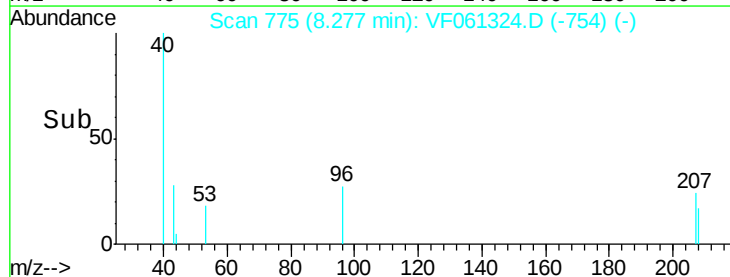
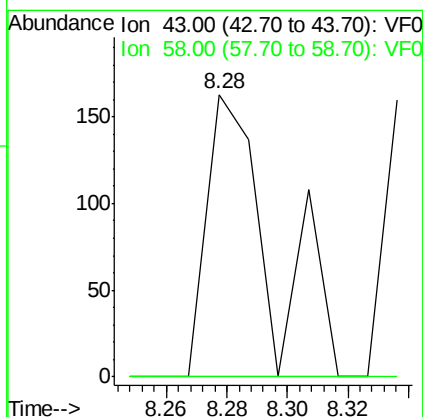
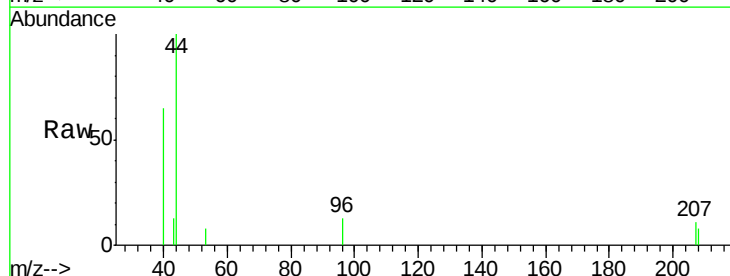
Instrument :
MSVOA_F
ClientSampleId :
SP-1-6RE

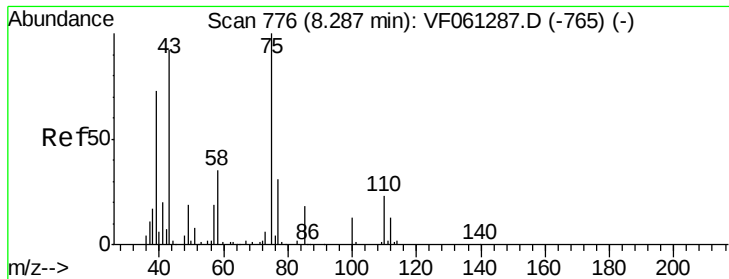
Tot Ion: 98 Resp: 88
Ion Ratio Lower Upper
98 100
100 79.2 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 342.593 ug/l
RT: 8.28 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#





#53

t-1,3-Dichloropropene

Concen: 63.763 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.04 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

Instrument :

MSVOA_F

ClientSampleId :

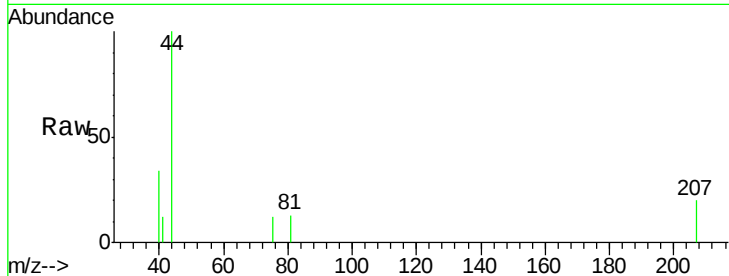
SP-1-6RE

Tot Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.25

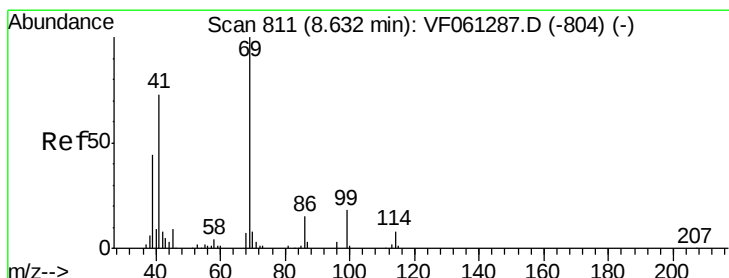
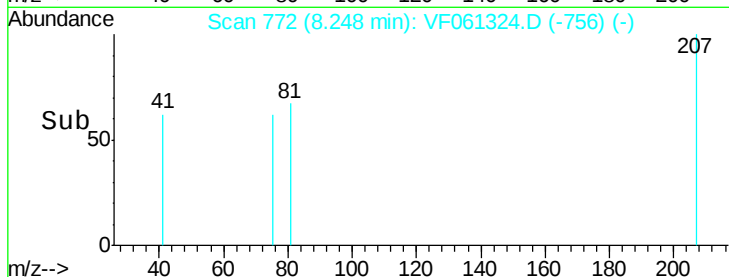
150

100

50

0

Time-->



#56

Ethyl methacrylate

Concen: 81.341 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

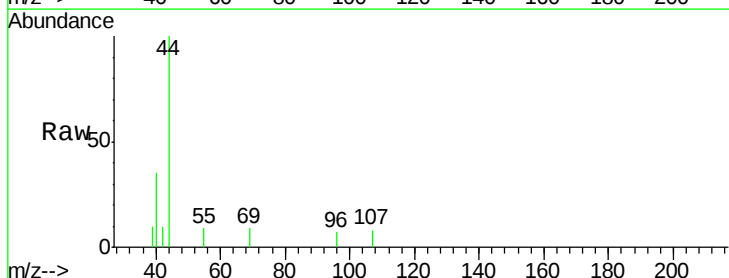
Tgt Ion: 69 Resp: 74

Ion Ratio Lower Upper

69 100

41 0.0 59.0 88.4#

39 111.2 35.3 52.9#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

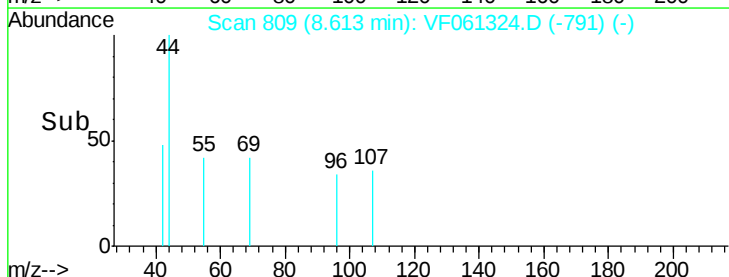
150

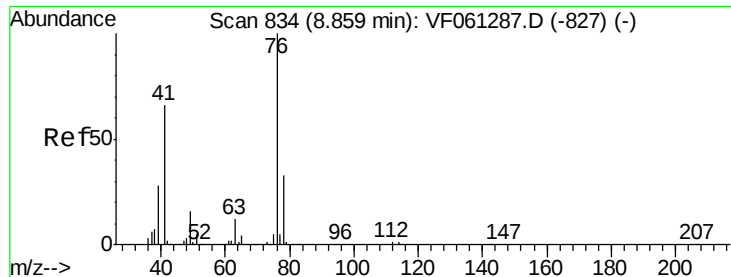
100

50

0

Time-->

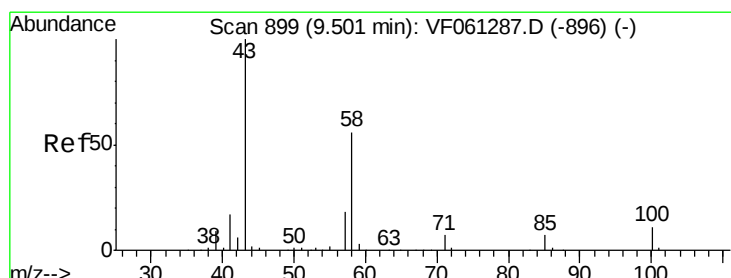
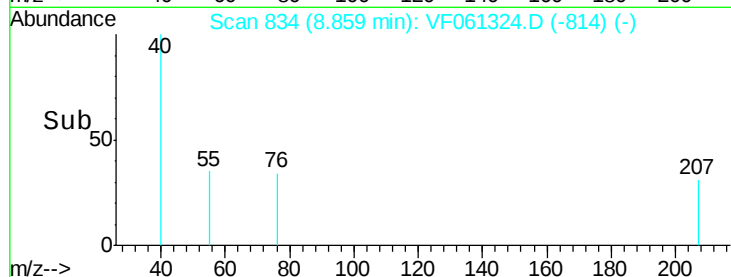
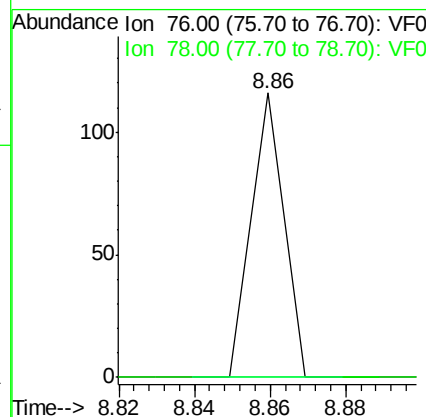
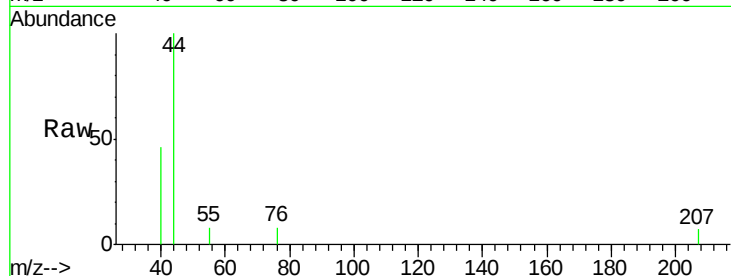




#57
 1,3-Dichloropropane
 Concen: 47.897 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

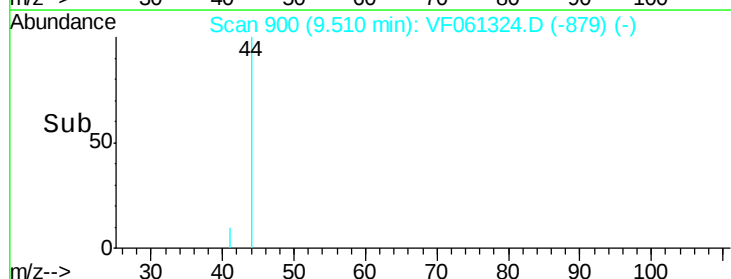
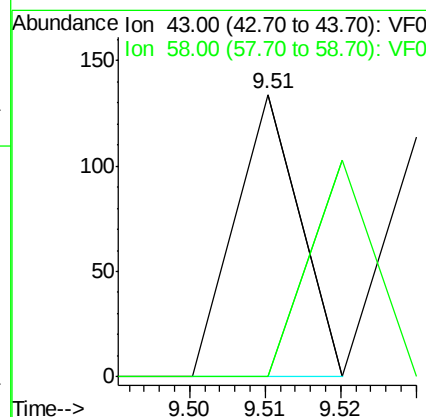
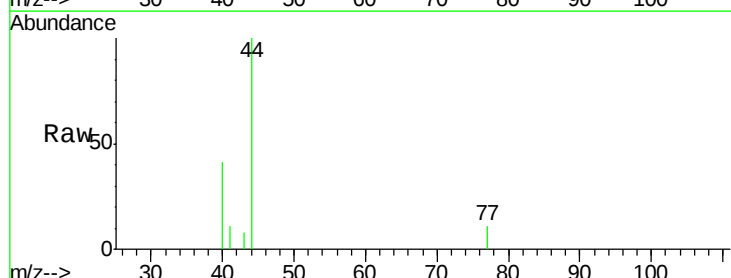
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6RE

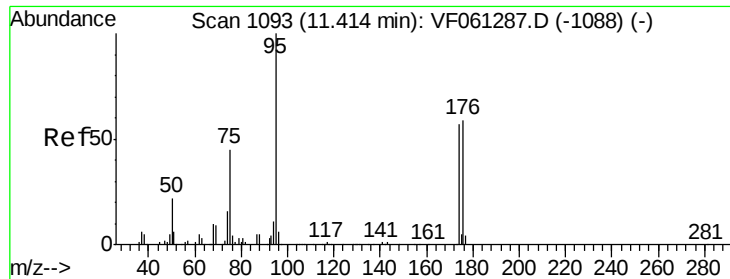
Tot Ion: 76 Resp: 69
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.8 40.2#



#59
 2-Hexanone
 Concen: 158.518 ug/l
 RT: 9.51 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 76.8#

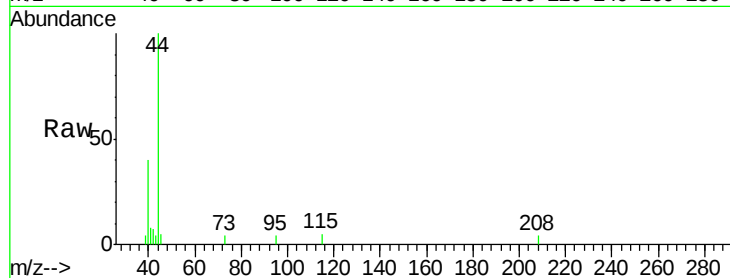




#62
4-Bromofluorobenzene
Concen: 38.384 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. 0.04 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

Instrument :
MSVOA_F
ClientSampleId :
SP-1-6RE

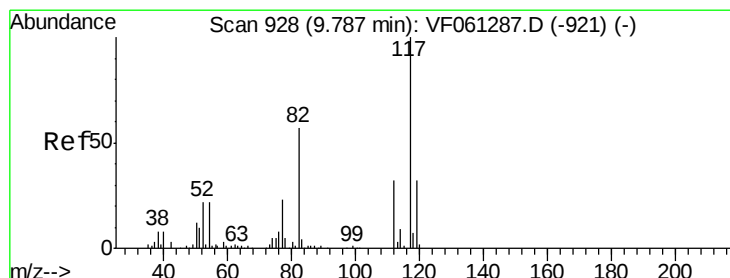
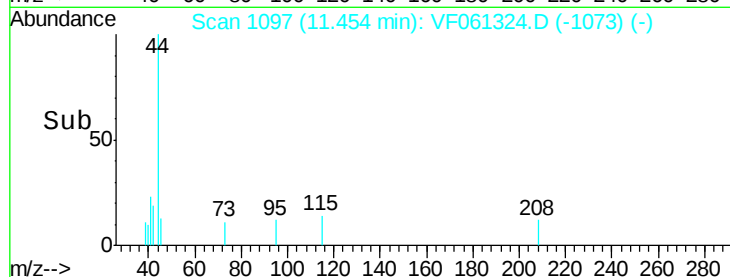
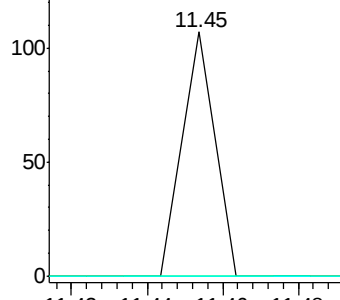
Tot Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	114.2
176	0.0	0.0	117.8



Abundance Ion 95.00 (94.70 to 95.70): VF061324.D (-1073) (-)

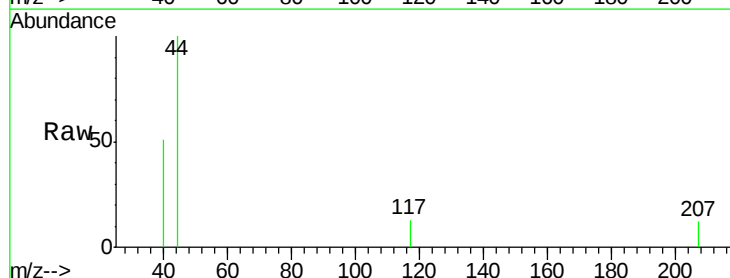
Ion 174.00 (173.70 to 174.70): VF061324.D (-1073) (-)

Ion 176.00 (175.70 to 176.70): VF061324.D (-1073) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

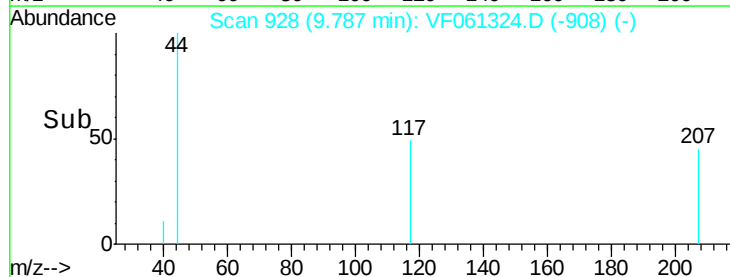
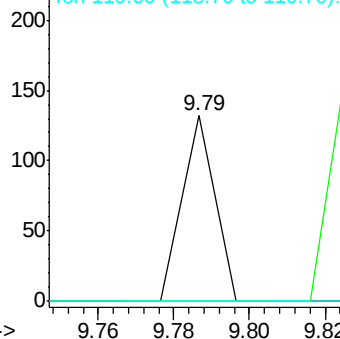
Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	45.3	67.9#
119	0.0	25.4	38.0#

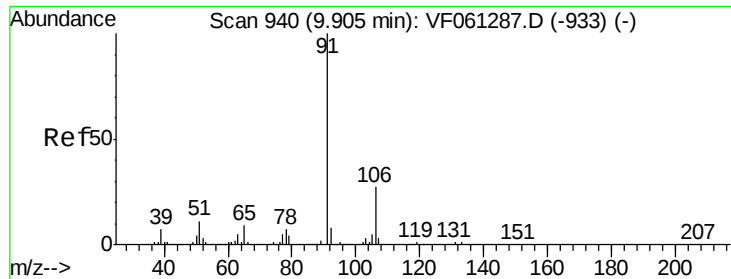


Abundance Ion 117.00 (116.70 to 117.70): VF061324.D (-908) (-)

Ion 82.00 (81.70 to 82.70): VF061324.D (-908) (-)

Ion 119.00 (118.70 to 119.70): VF061324.D (-908) (-)

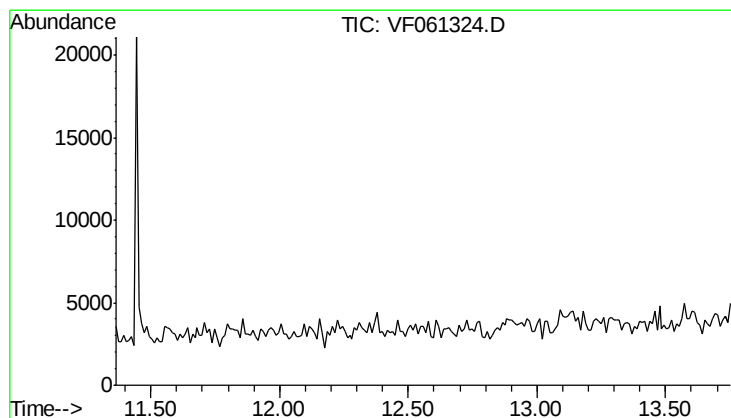
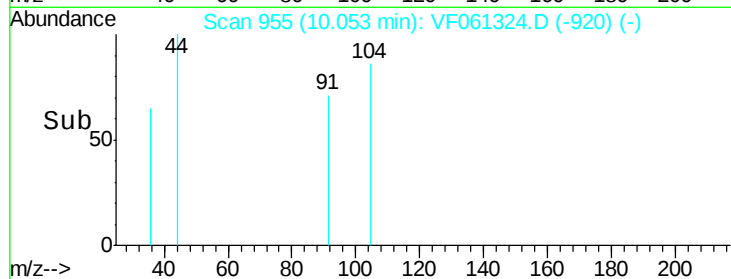
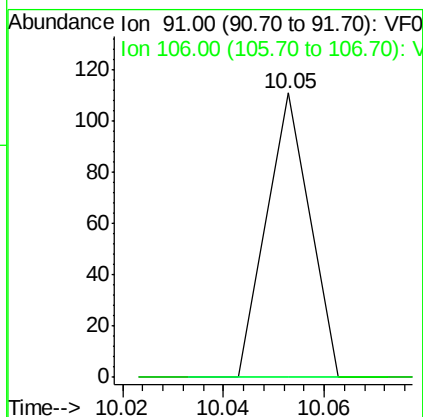
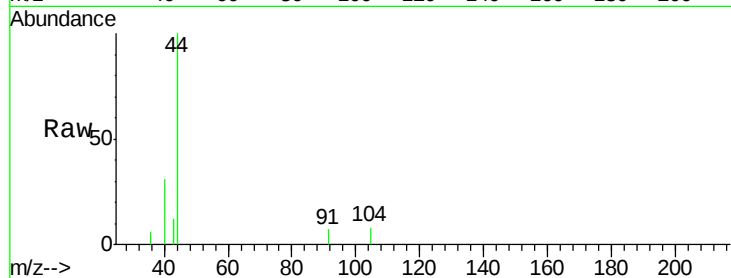




#67
 Ethvl Benzene
 Concen: 21.733 ug/l
 RT: 10.05 min Scan# 955
 Delta R.T. 0.15 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6RE

Tot Ion: 91 Resp: 66
 Ion Ratio Lower Upper
 91 100
 106 0.0 21.4 32.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.56 min

Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 59.3
 150 157.7

