

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						
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%	

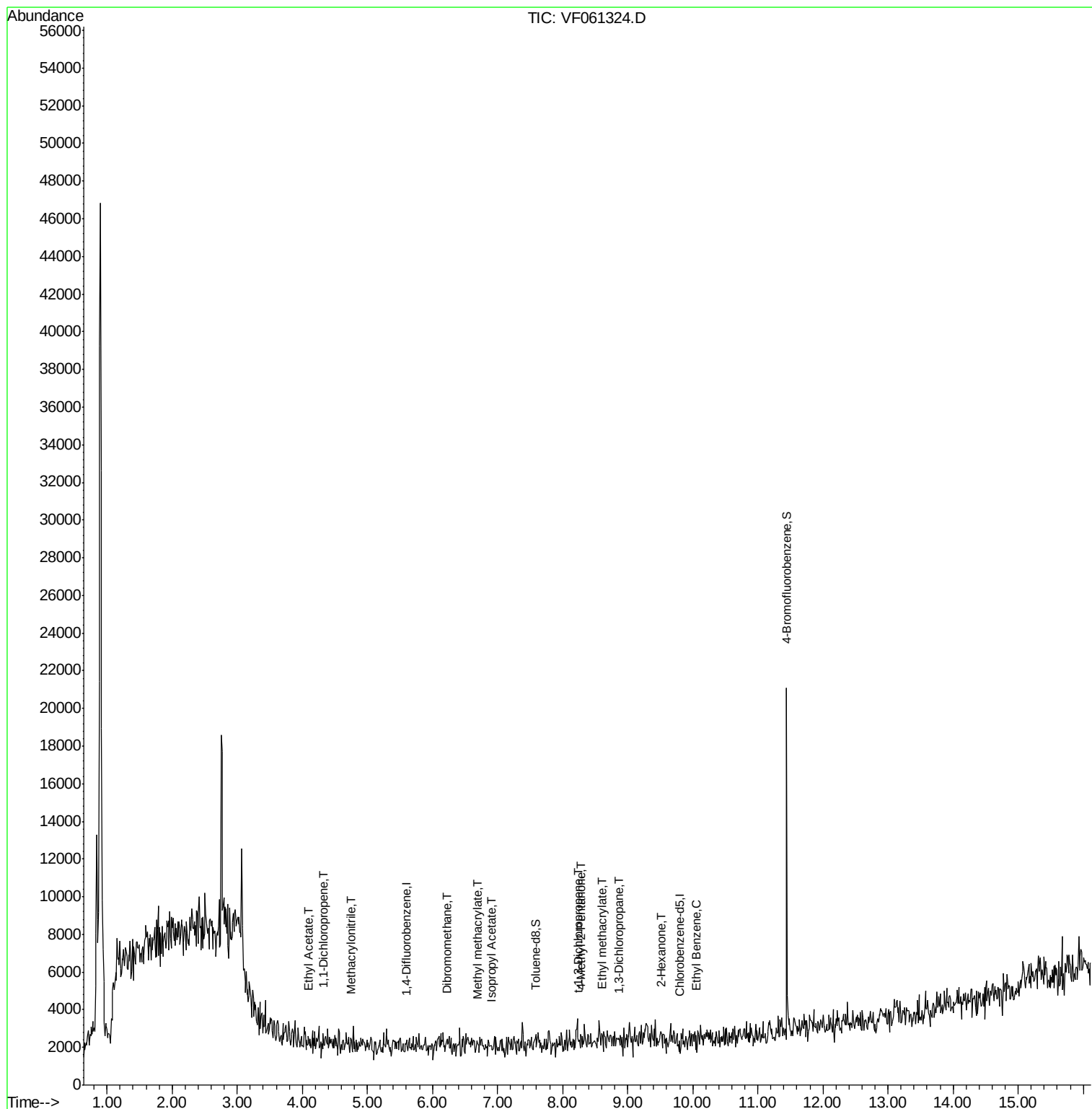
Target Compounds			Qvalue			
36) 1,1-Dichloropropene	4.32	75	69	35.595	ug/l #	42
37) Ethyl Acetate	4.09	43	278	393.812	ug/l #	1
41) Methacrylonitrile	4.77	41	199	504.805	ug/l #	52
43) Isopropyl Acetate	6.92	43	91	97.641	ug/l #	45
46) Dibromomethane	6.22	93	60	84.912	ug/l #	8
48) Methyl methacrylate	6.71	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

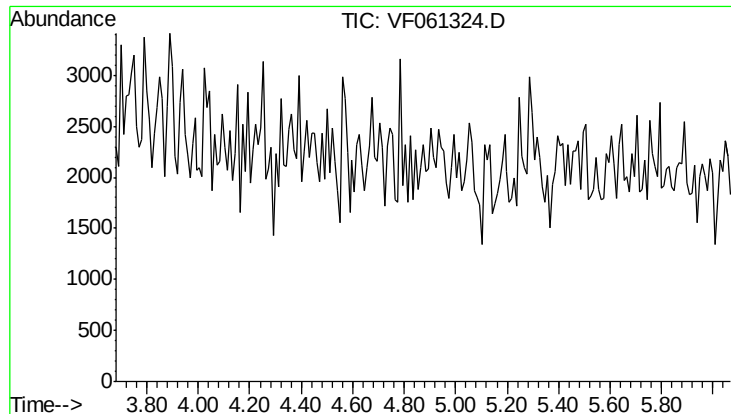
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

Tgt Ion: 168

Sig Exp Ratio

168 100

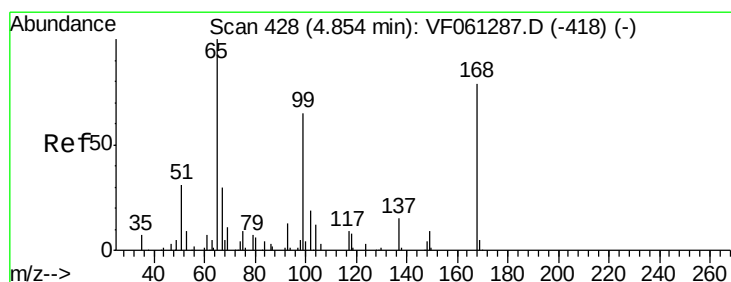
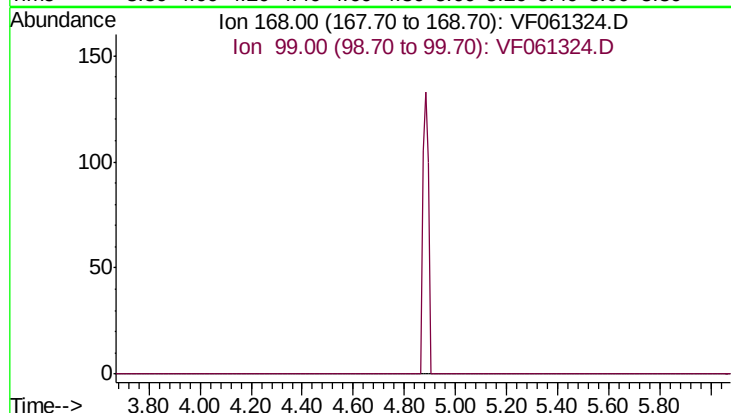
99 65.9

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

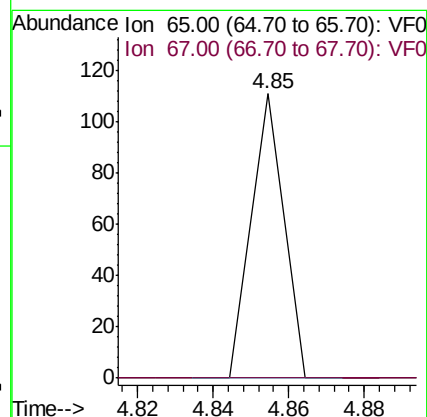
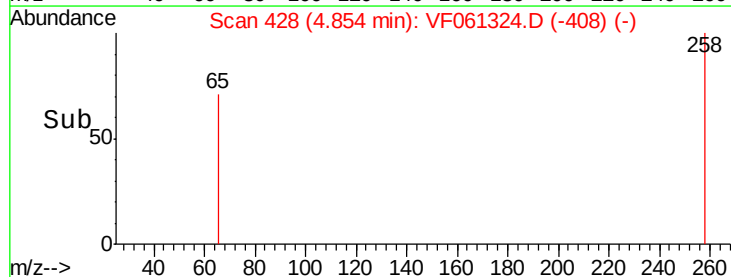
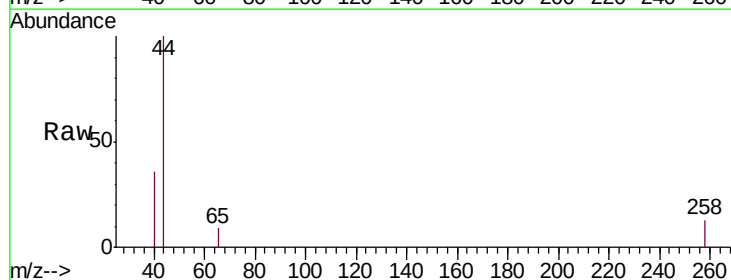
Acq: 10 Jan 2019 4:09

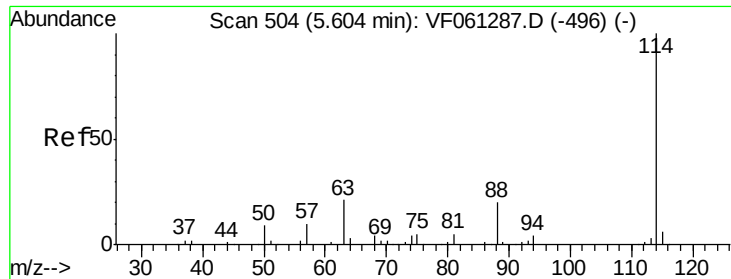
Tgt Ion: 65 Resp: 66

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

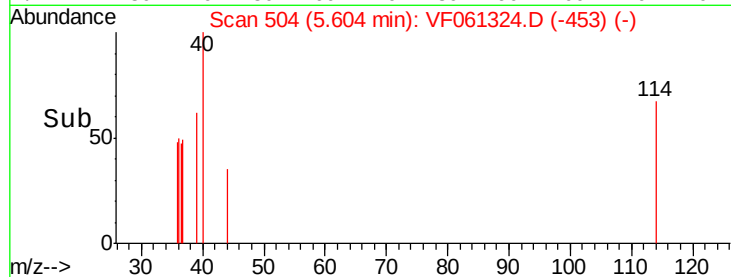
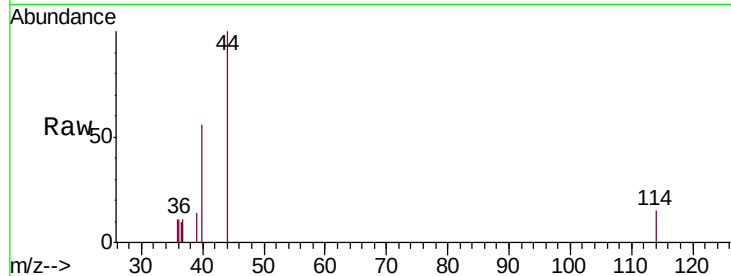
Tgt Ion:114 Resp: 166

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.8

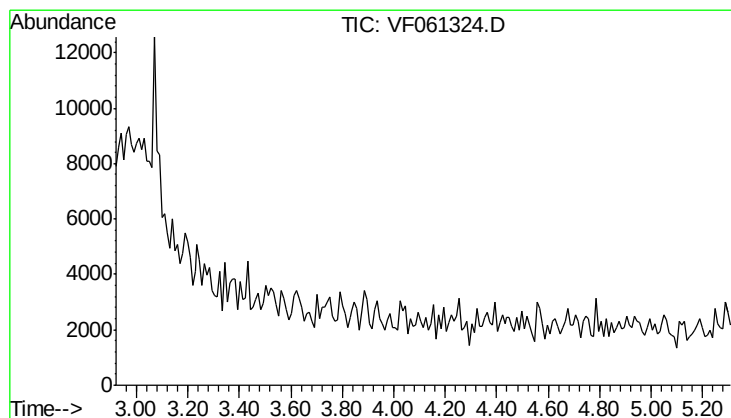
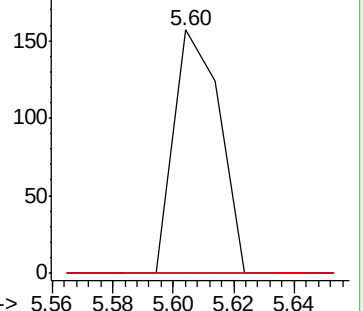
88 0.0 0.0 40.0



Abundance Ion 114.00 (113.70 to 114.70): VF0

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

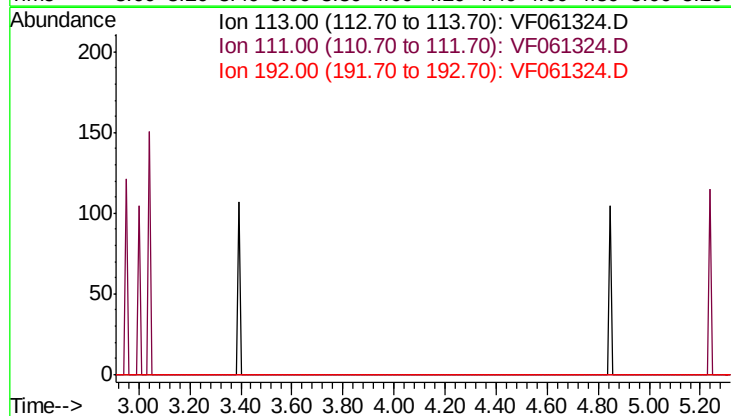
Tgt Ion: 113

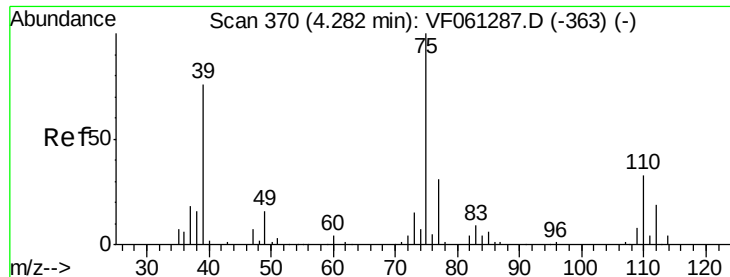
Sig Exp Ratio

113 100

111 97.5

192 13.3

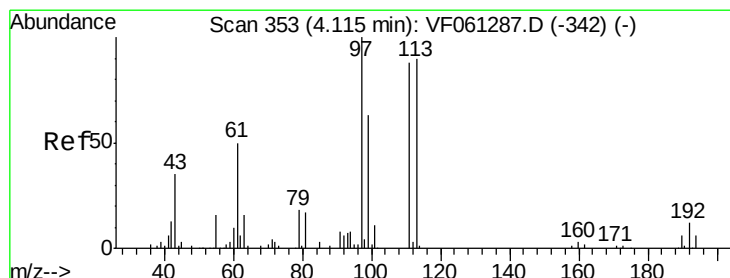
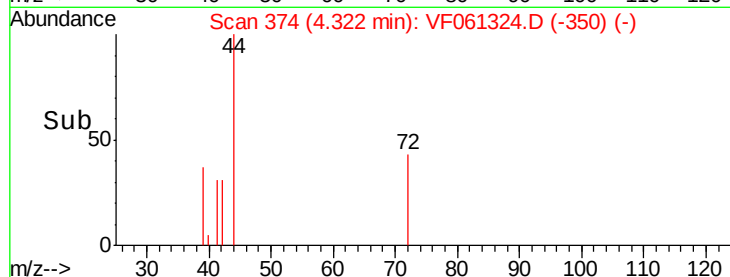
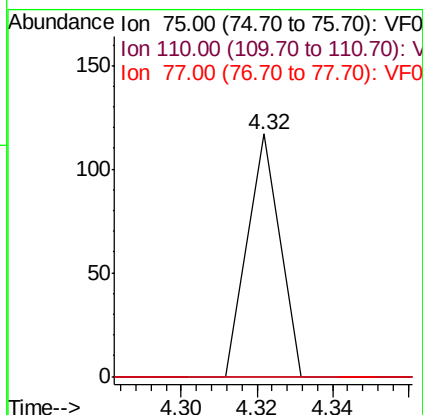
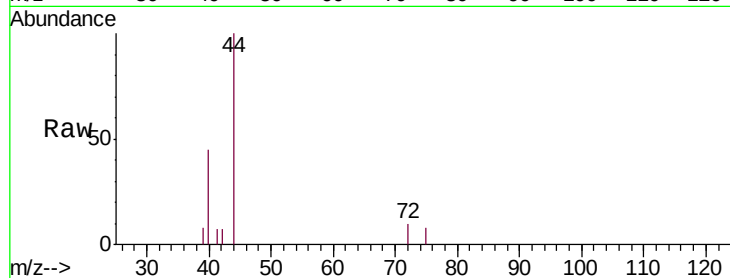




#36
 1,1-Dichloropropene
 Concen: 35.595 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.04 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

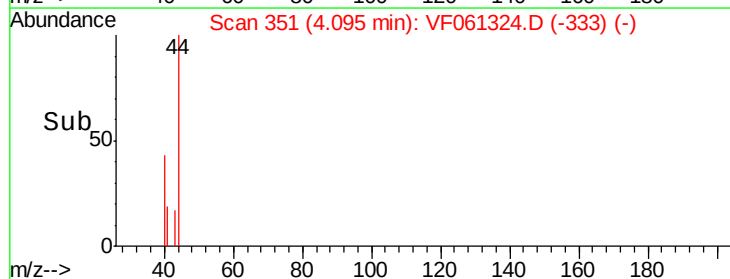
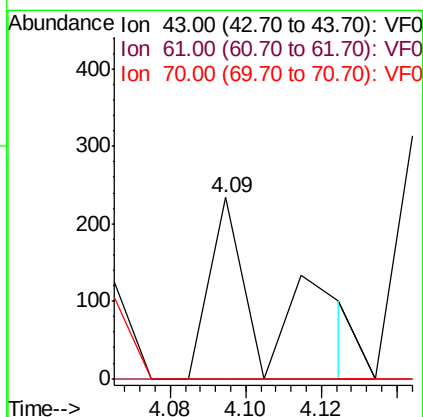
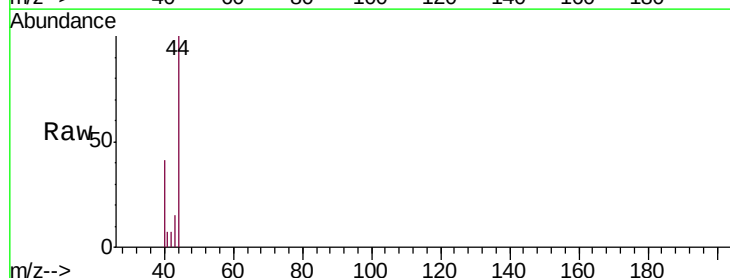
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6RE

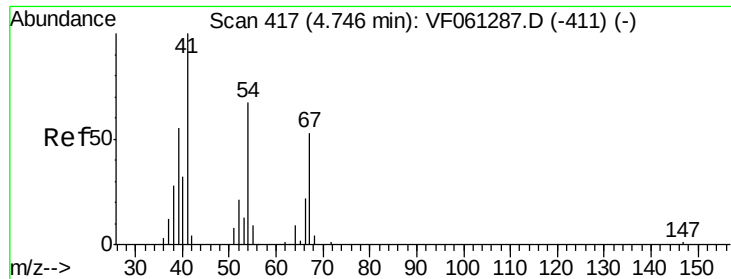
Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.6 49.8#
 77 0.0 25.1 37.7#



#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#

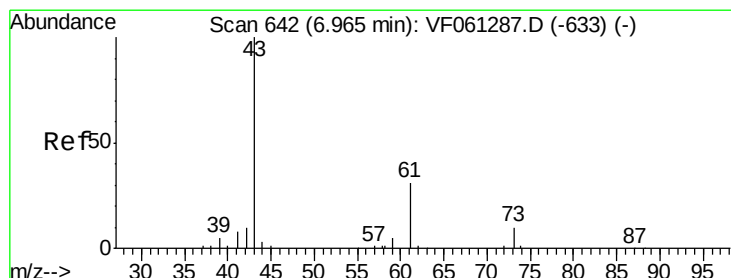
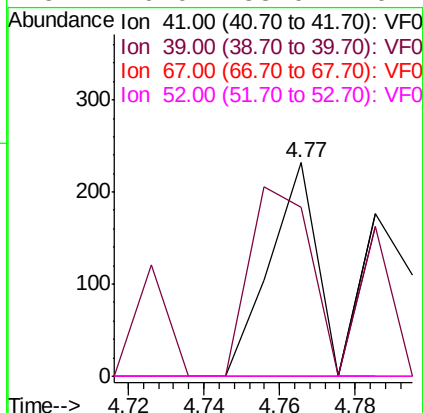
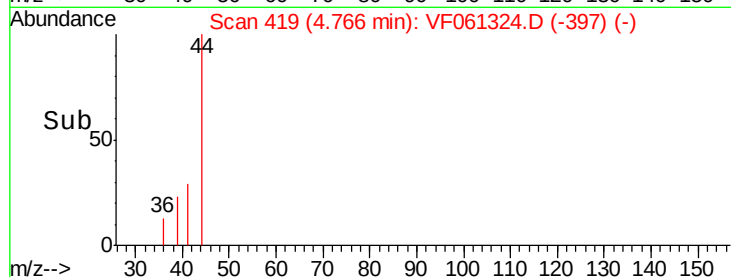
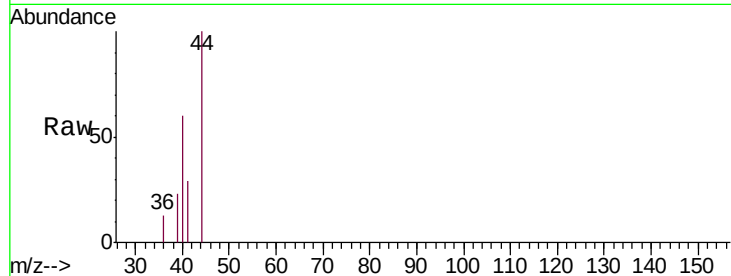




#41
Methacrylonitrile
Concen: 504.805 ug/l
RT: 4.77 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061324.D
Acq: 10 Jan 2019 4:09

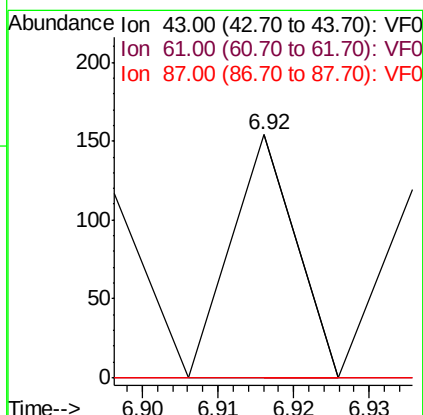
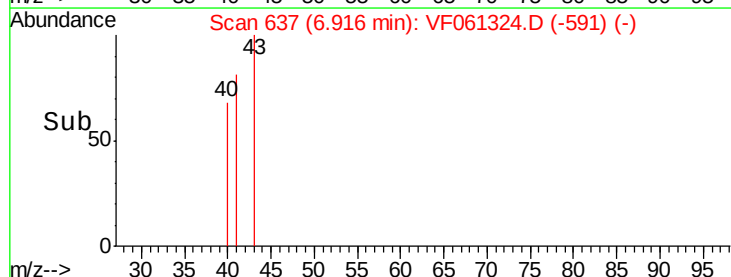
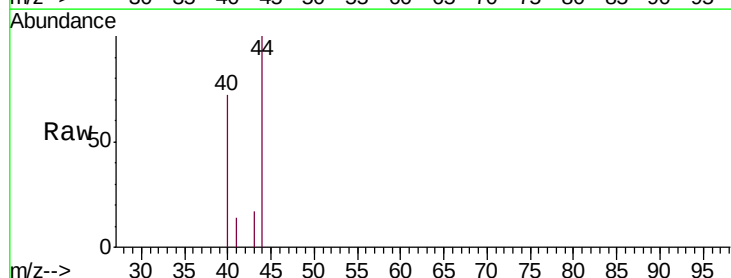
Instrument :
MSVOA_F
ClientSampleId :
SP-1-6RE

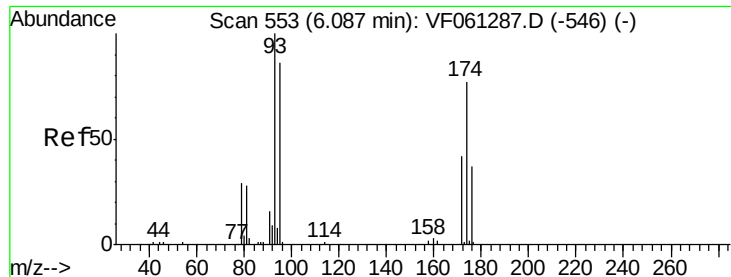
Tgt Ion:	41	Resp:	199
Ion	Ratio	Lower	Upper
41	100		
39	78.9	52.7	79.1
67	0.0	41.4	62.2#
52	0.0	33.0	49.4#



#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

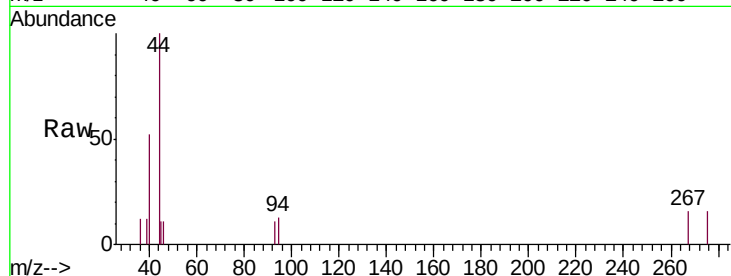
Tgt Ion: 93 Resp: 60

Ion Ratio Lower Upper

93 100

95 0.0 68.8 103.2#

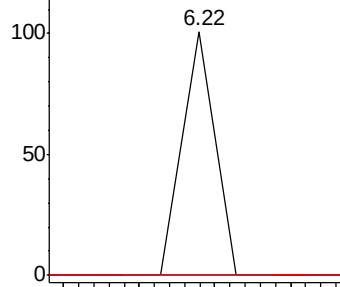
174 0.0 62.9 94.3#



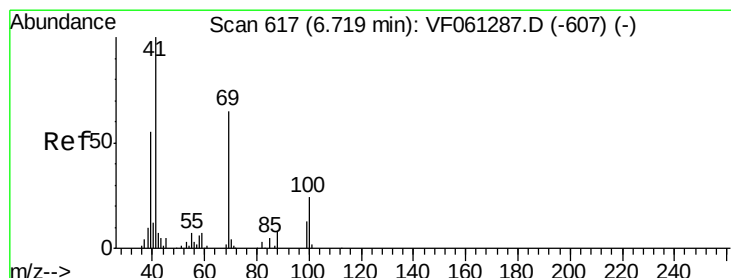
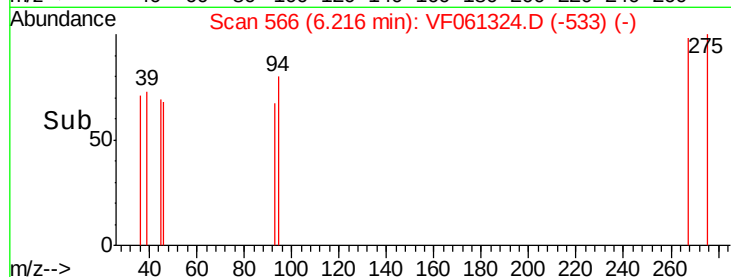
Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->



#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

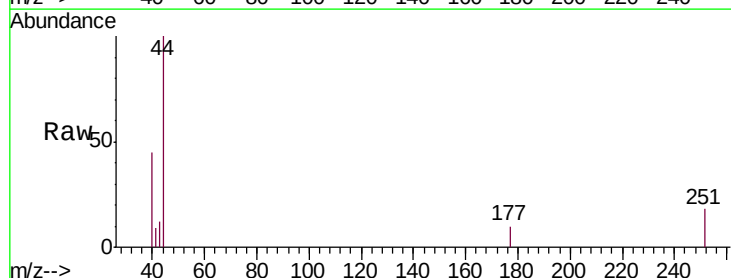
Tgt Ion: 41 Resp: 61

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

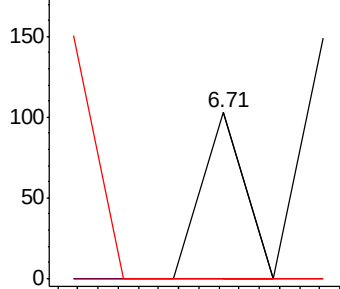
39 0.0 44.1 66.1#



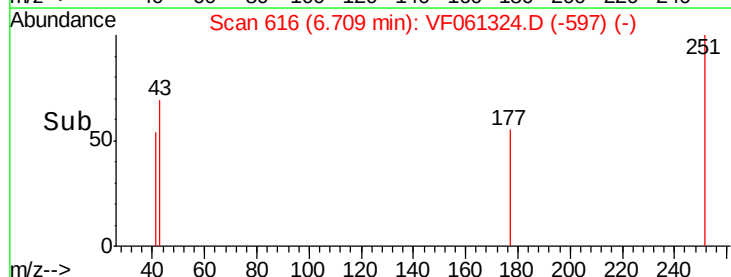
Abundance Ion 41.00 (40.70 to 41.70): VF0

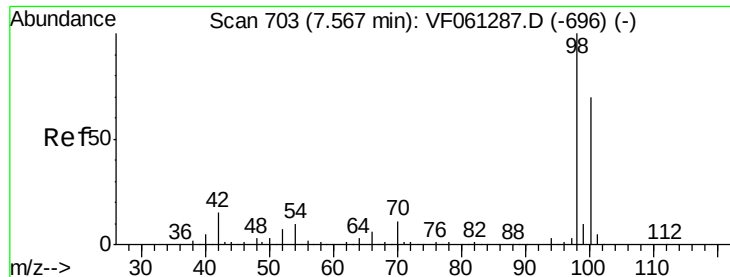
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#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 :

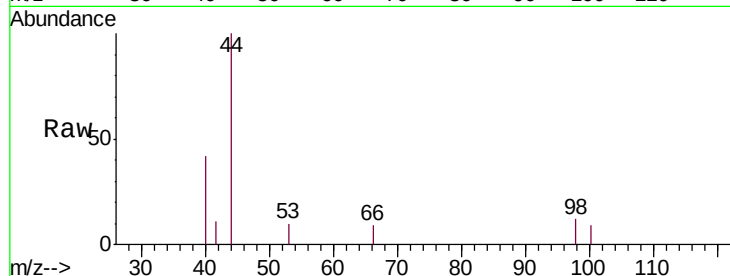
SP-1-6RE

Tgt Ion: 98 Resp: 88

Ion Ratio Lower Upper

98 100

100 79.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.58

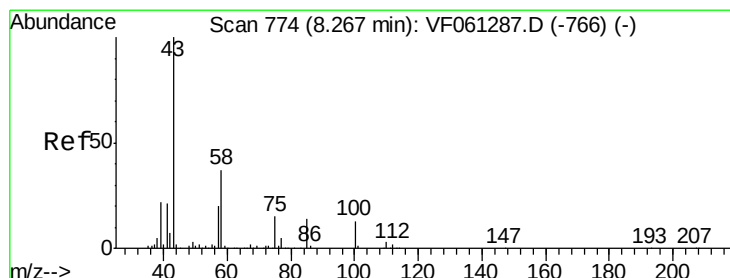
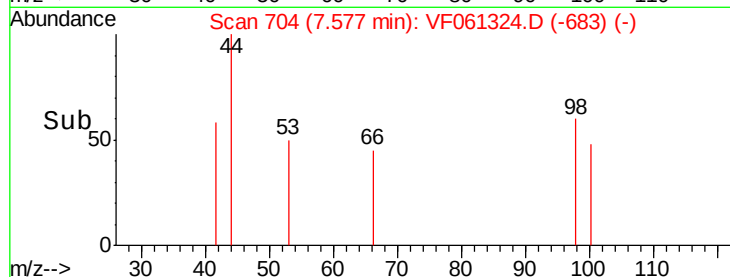
150

100

50

0

Time--> 7.54 7.56 7.58 7.60



#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

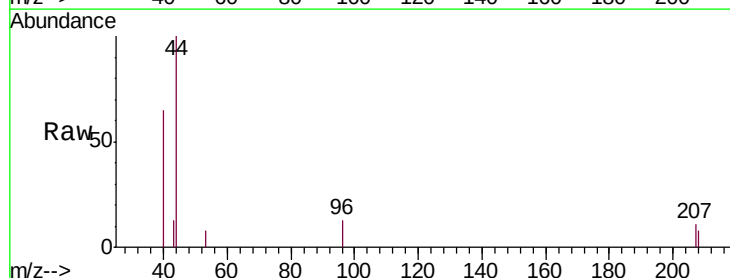
Acq: 10 Jan 2019 4:09

Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

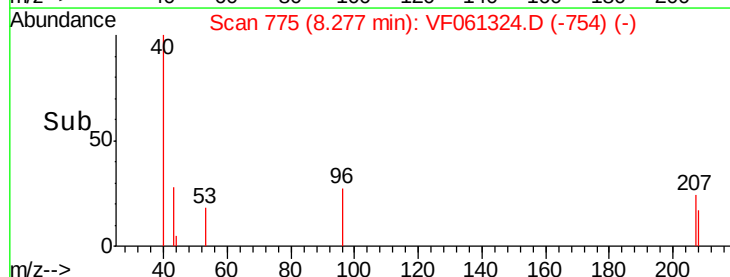
150

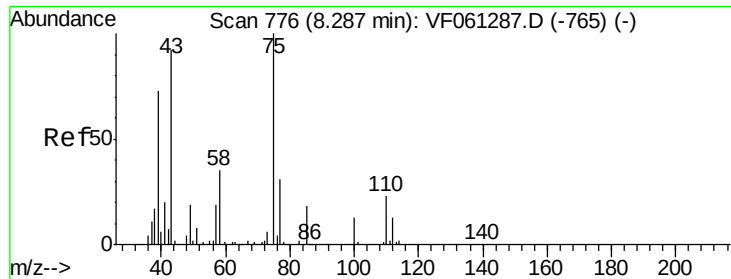
100

50

0

Time--> 8.26 8.28 8.30 8.32

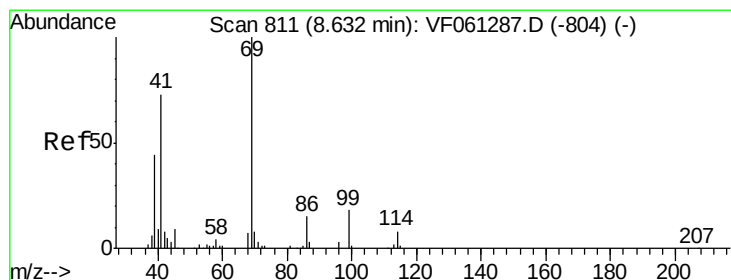
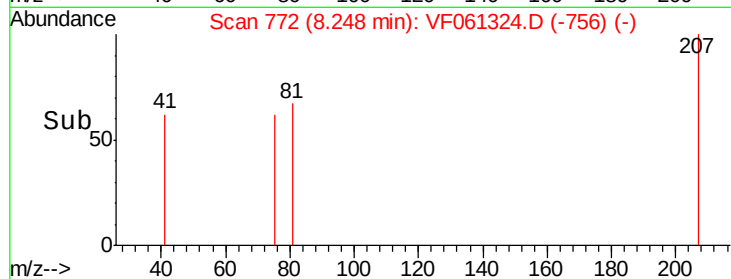
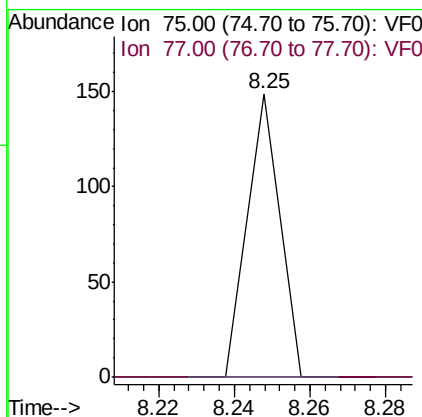
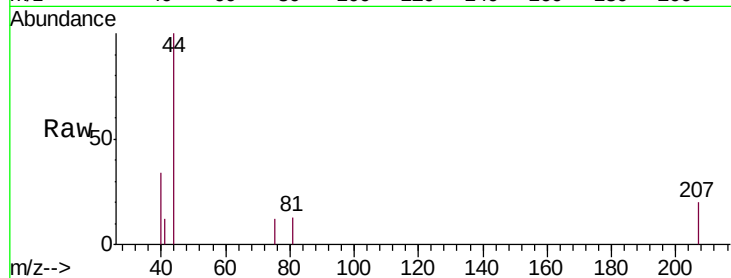




#53
 t-1,3-Dichloropropene
 Concen: 63.763 ug/l
 RT: 8.25 min Scan# 772
 Delta R.T. -0.04 min
 Lab File: VF061324.D
 Acq: 10 Jan 2019 4:09

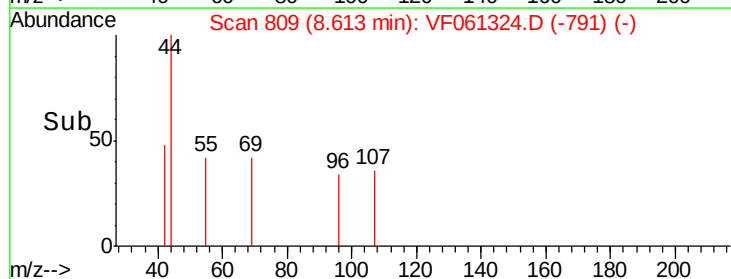
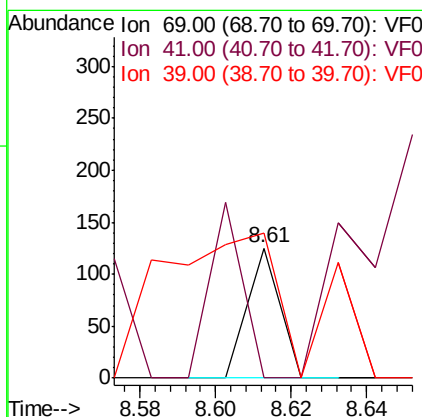
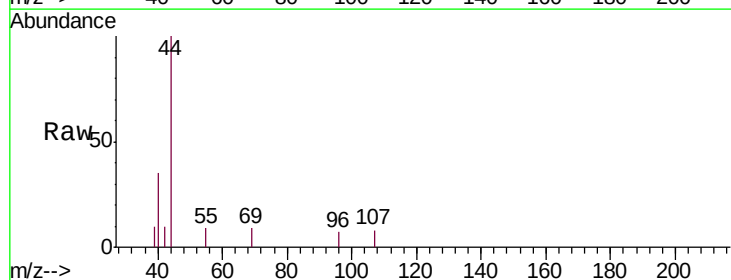
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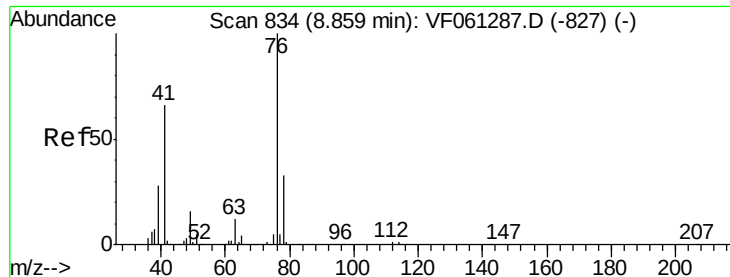
Tgt Ion: 75 Resp: 88
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#



#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#





#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 :

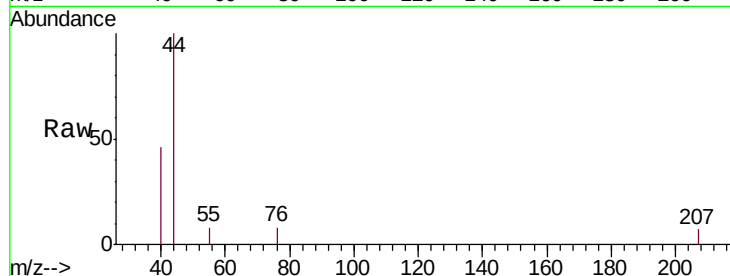
SP-1-6RE

Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

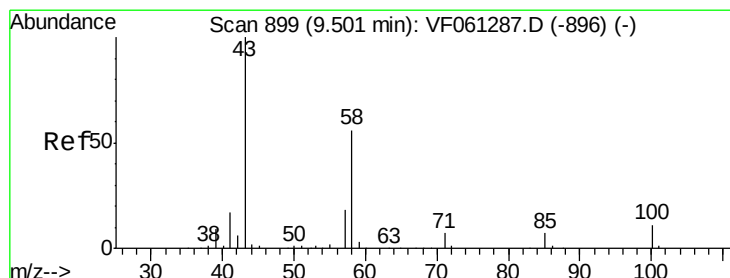
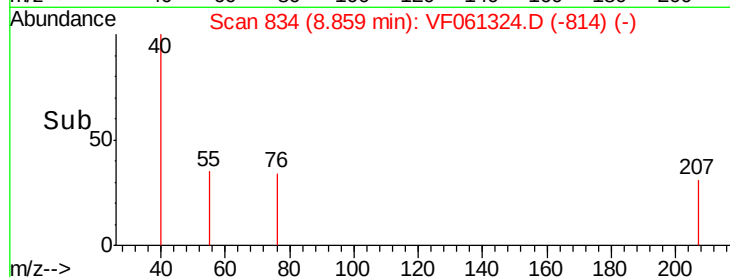
8.86

100

50

0

Time--> 8.82 8.84 8.86 8.88



#59

2-Hexanone

Concen: 158.518 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061324.D

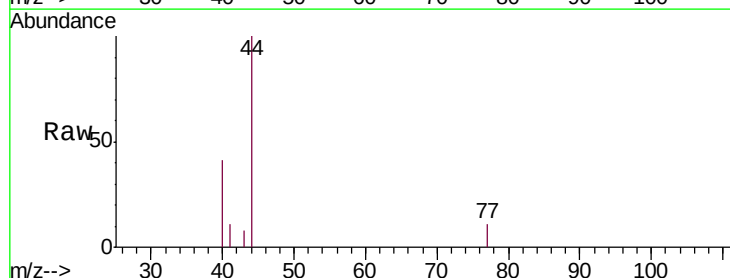
Acq: 10 Jan 2019 4:09

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.51

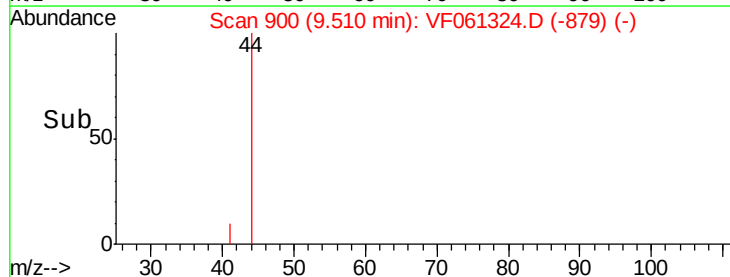
150

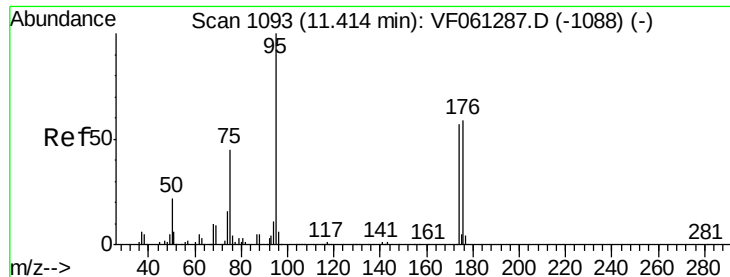
100

50

0

Time--> 9.50 9.51 9.52





#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

ClientSampled :

SP-1-6RE

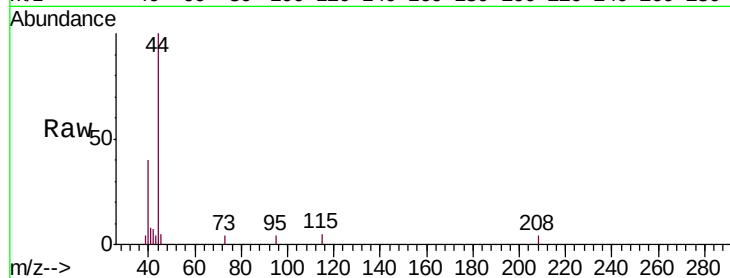
Tgt Ion: 95 Resp: 63

Ion Ratio Lower Upper

95 100

174 0.0 0.0 114.2

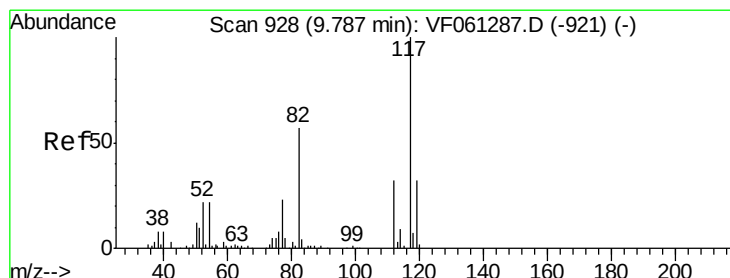
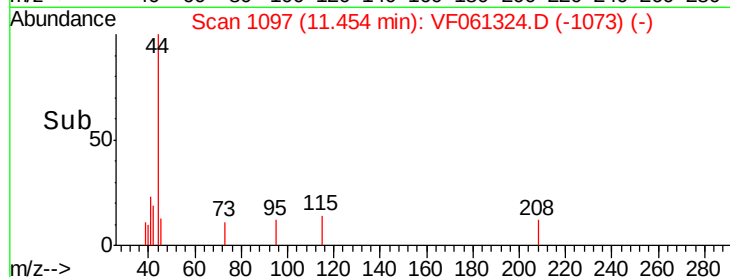
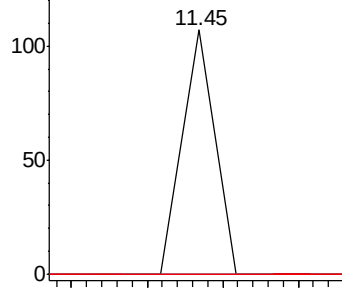
176 0.0 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): 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: 9.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061324.D

Acq: 10 Jan 2019 4:09

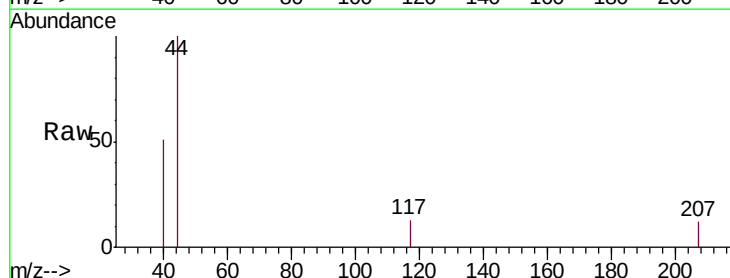
Tgt Ion: 117 Resp: 78

Ion Ratio Lower Upper

117 100

82 0.0 45.3 67.9#

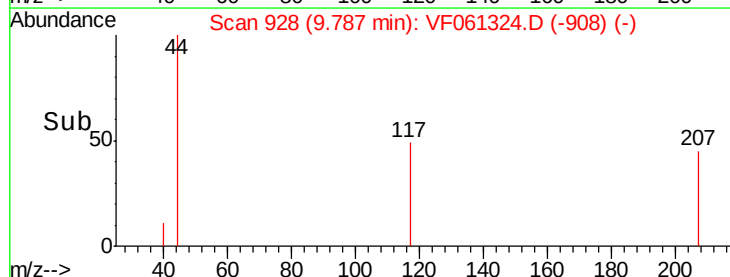
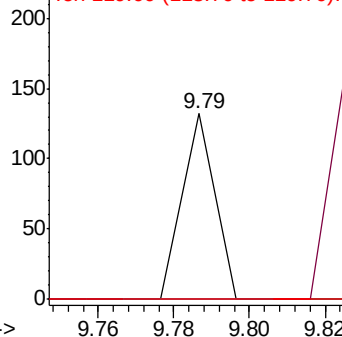
119 0.0 25.4 38.0#

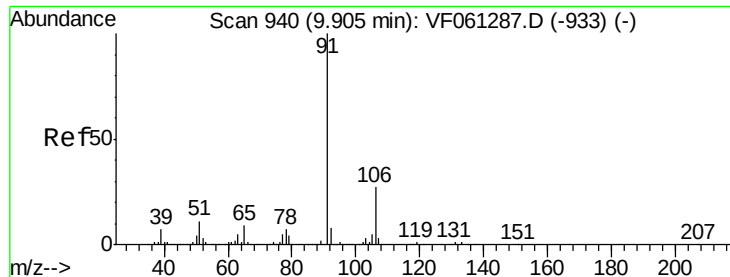


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl 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 :

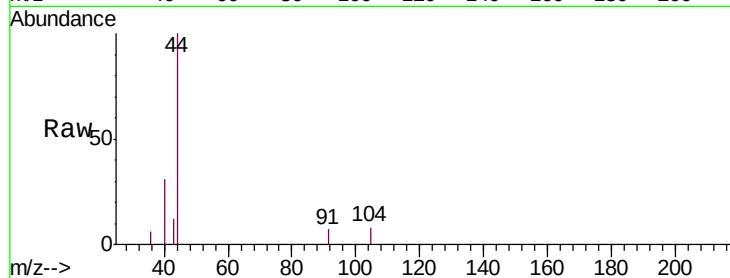
SP-1-6RE

Tgt Ion: 91 Resp: 66

Ion Ratio Lower Upper

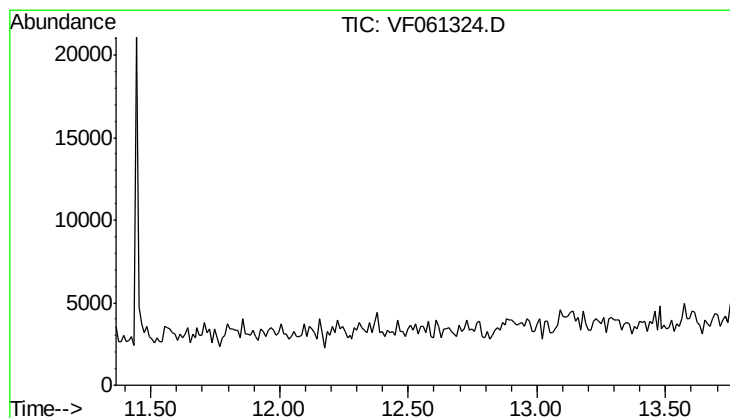
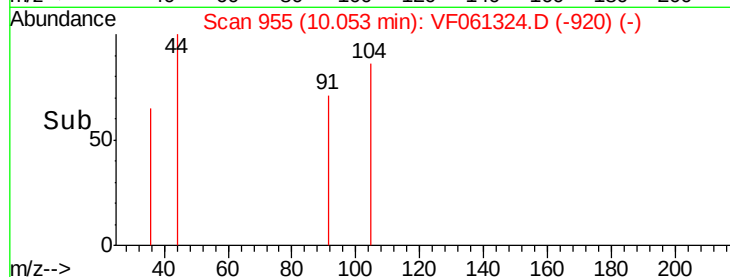
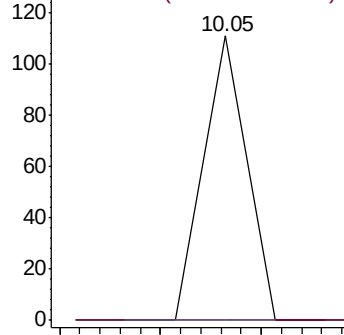
91 100

106 0.0 21.4 32.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#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

