

Data File : VF061320.D
Acq On : 10 Jan 2019 2:14
Operator : VA/AP
Sample : K1082-28RE
Misc : 4.92g/5mL/MSVOA-F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

Quant Time: Jan 10 06:04:43 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	5.82	114	66	50.00	ug/l	0.21
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
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	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.77	95	60	91.94	ug/l	0.35
Spiked Amount	50.000		Recovery	=	183.88%	

Target Compounds

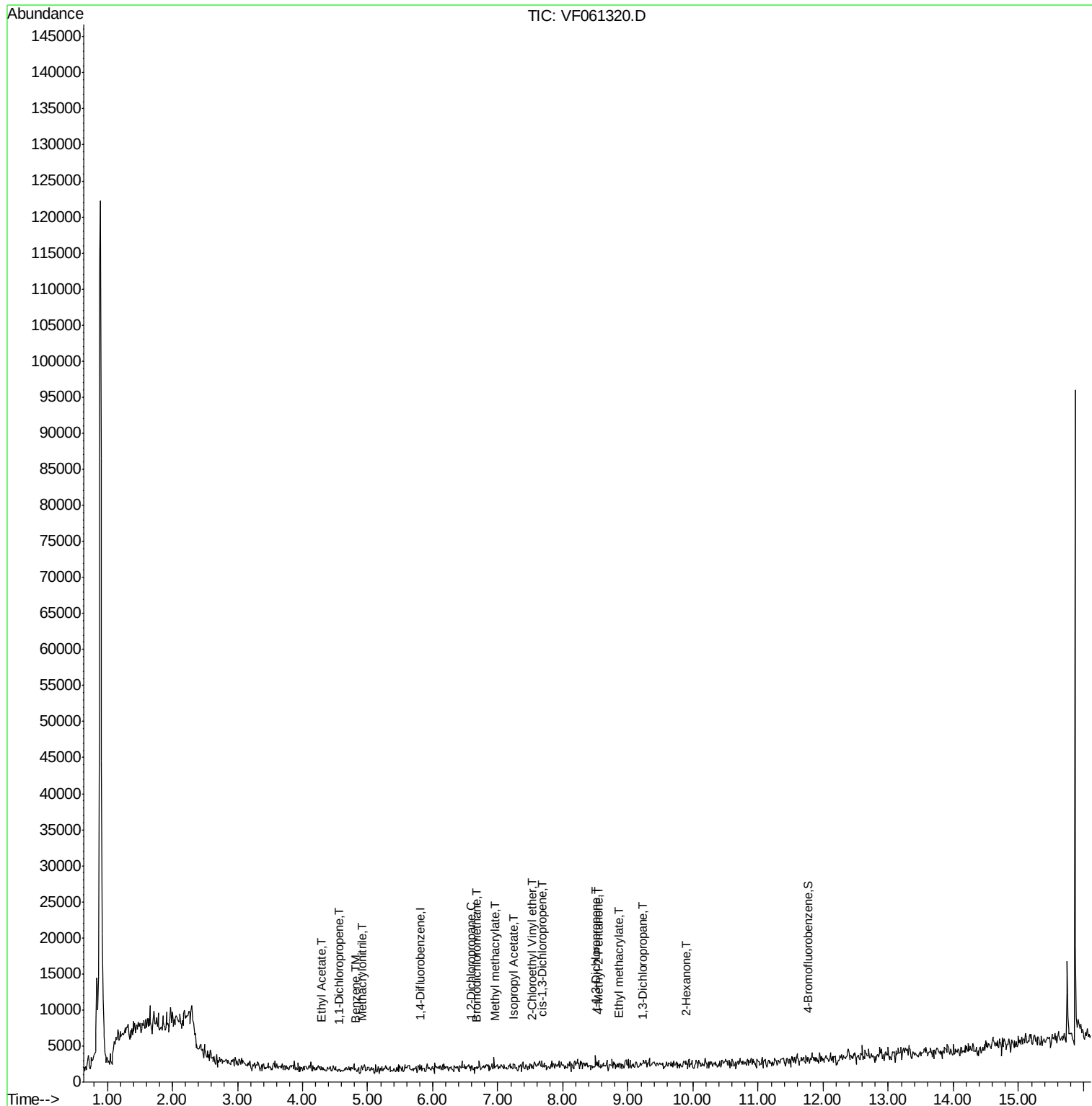
						Qvalue
36) 1,1-Dichloropropene	4.54	75	69	89.527	ug/l #	42
37) Ethyl Acetate	4.28	43	132	470.308	ug/l #	1
40) Benzene	4.81	78	85	47.239	ug/l #	51
41) Methacrylonitrile	4.91	41	76	484.896	ug/l #	24
43) Isopropyl Acetate	7.23	43	282	761.036	ug/l #	45
45) 1,2-Dichloropropane	6.60	63	66	144.238	ug/l #	43
47) Bromodichloromethane	6.68	83	64	91.596	ug/l #	25
48) Methyl methacrylate	6.96	41	149	619.493	ug/l #	21
51) 4-Methyl-2-Pentanone	8.55	43	180	643.574	ug/l #	68
53) t-1,3-Dichloropropene	8.50	75	82	149.439	ug/l #	44
54) cis-1,3-Dichloropropene	7.68	75	95	130.575	ug/l #	29
56) Ethyl methacrylate	8.87	69	62	171.409	ug/l #	20
57) 1,3-Dichloropropane	9.22	76	78	136.182	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.52	63	63	4087.144	ug/l #	56
59) 2-Hexanone	9.90	43	182	918.518	ug/l #	27

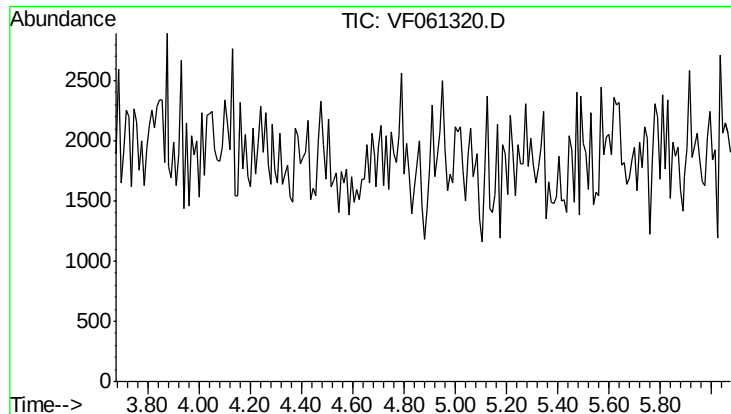
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF061320.D
Acq On : 10 Jan 2019 2:14
Operator : VA/AP
Sample : K1082-28RE
Misc : 4.92g/5mL/MSVOA-F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

Quant Time: Jan 10 06:04:43 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





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Tgt Ion: 168

Sig Exp Ratio

168 100

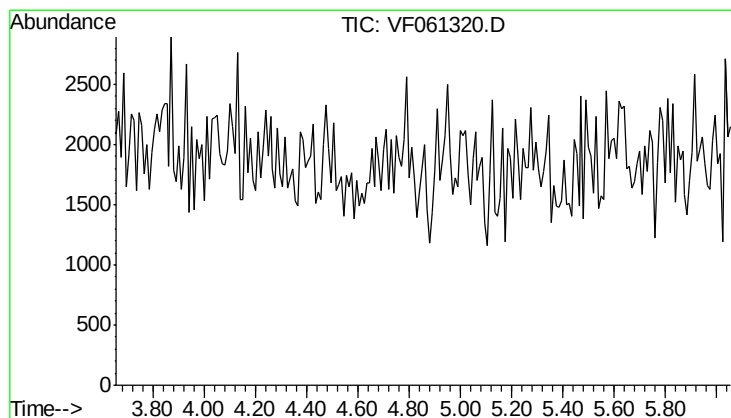
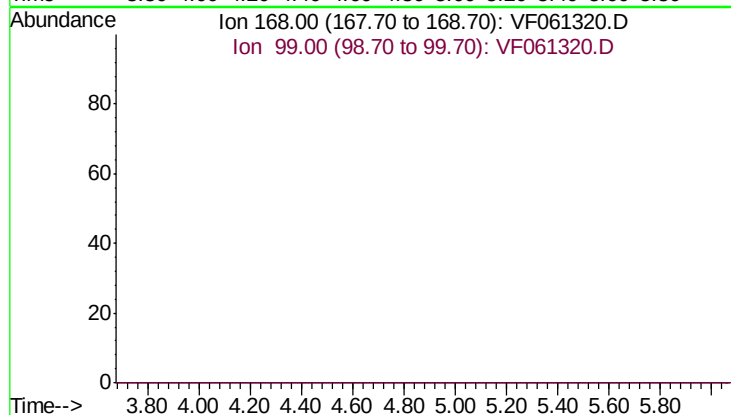
99 65.9

Instrument :

MSVOA_F

ClientSampleId :

SP-1-2RE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061320.D

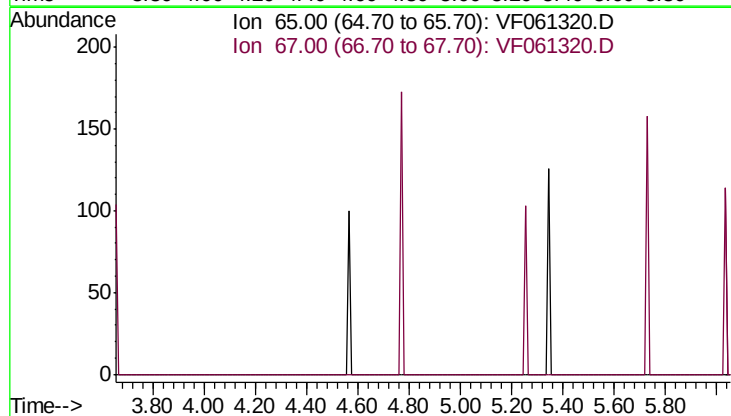
Acq: 10 Jan 2019 2:14

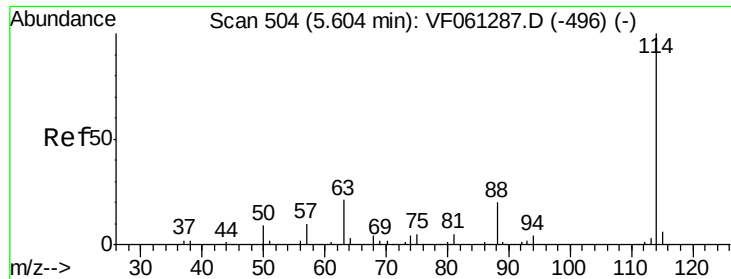
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.1

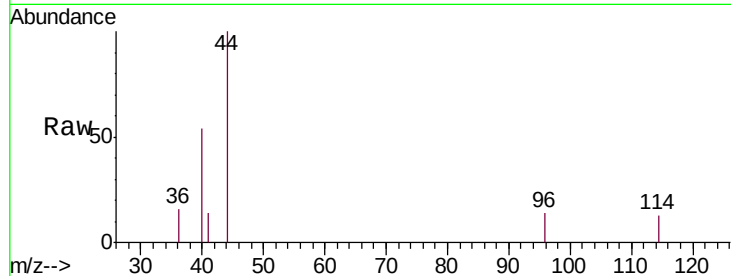




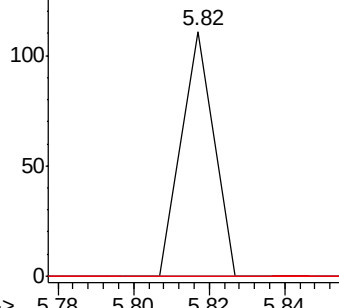
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.82 min Scan# 526
 Delta R.T. 0.21 min
 Lab File: VF061320.D
 Acq: 10 Jan 2019 2:14

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-2RE

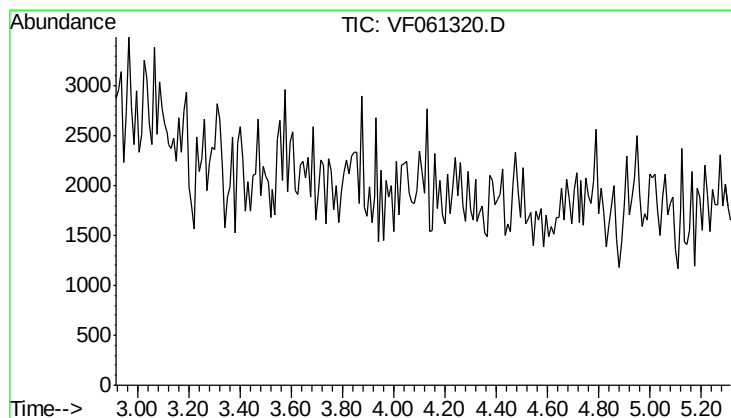
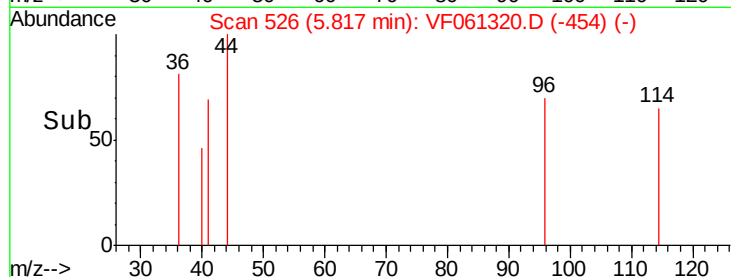
Tgt Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	42.8
88	0.0	0.0	40.0



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



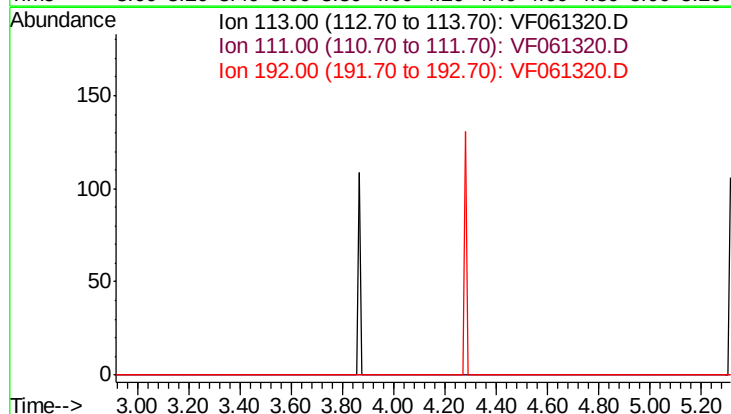
Time--> 5.78 5.80 5.82 5.84

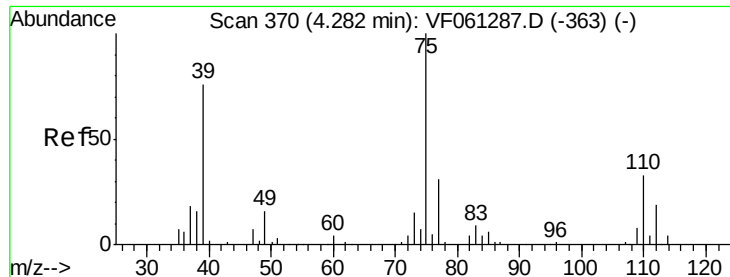


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF061320.D
 Acq: 10 Jan 2019 2:14

Tgt Ion	Sig	Exp Ratio
113	100	
111	97.5	
192	13.3	

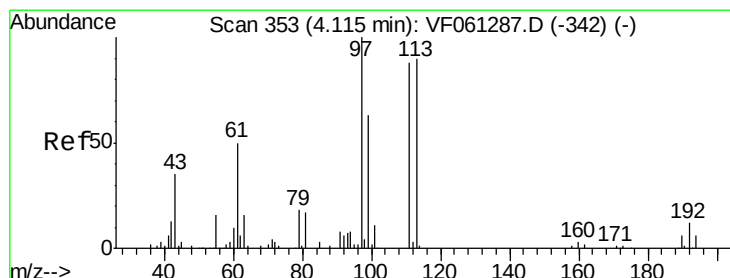
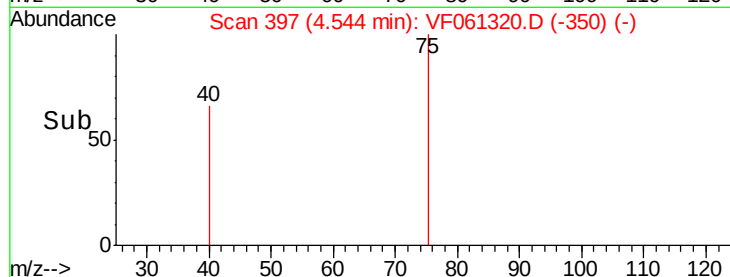
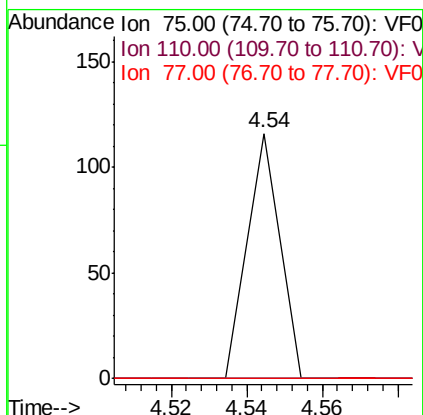
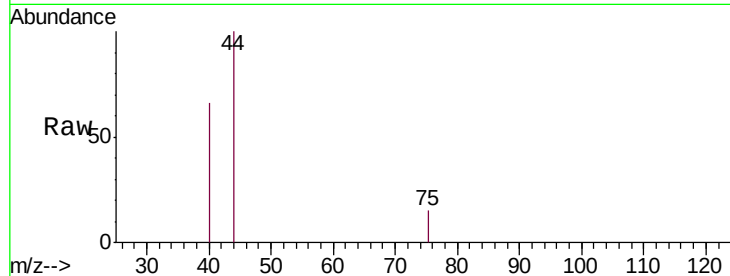




#36
 1,1-Dichloropropene
 Concen: 89.527 ug/l
 RT: 4.54 min Scan# 397
 Delta R.T. 0.26 min
 Lab File: VF061320.D
 Acq: 10 Jan 2019 2:14

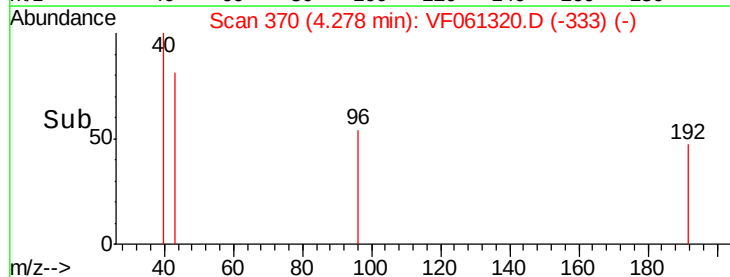
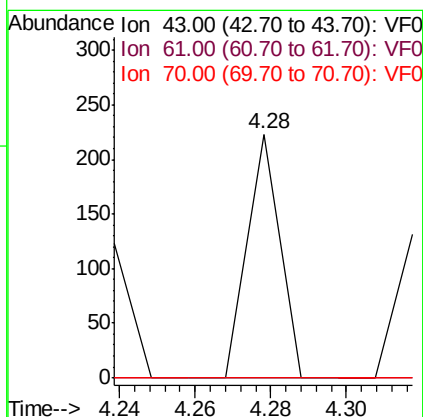
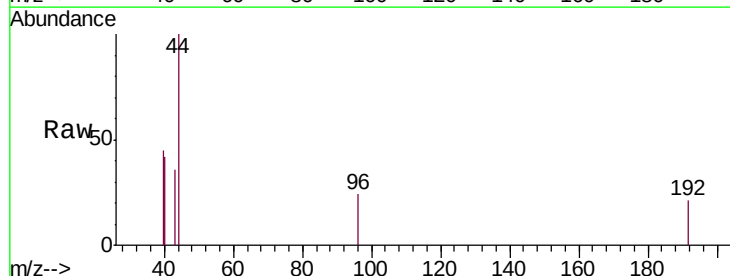
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-2RE

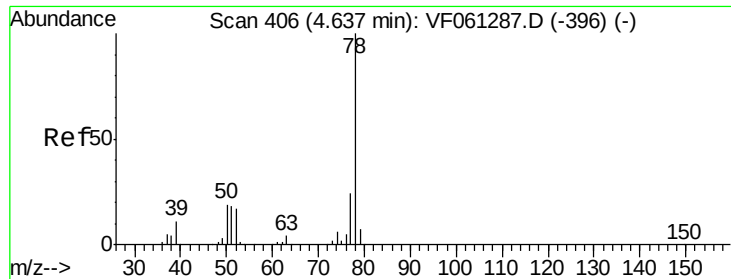
Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.6 49.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 470.308 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.16 min
 Lab File: VF061320.D
 Acq: 10 Jan 2019 2:14

Tgt Ion: 43 Resp: 132
 Ion Ratio Lower Upper
 43 100
 61 0.0 113.3 169.9#
 70 0.0 9.4 14.0#





#40

Benzene

Concen: 47.239 ug/l

RT: 4.81 min Scan# 424

Delta R.T. 0.17 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Instrument :

MSVOA_F

ClientSampleId :

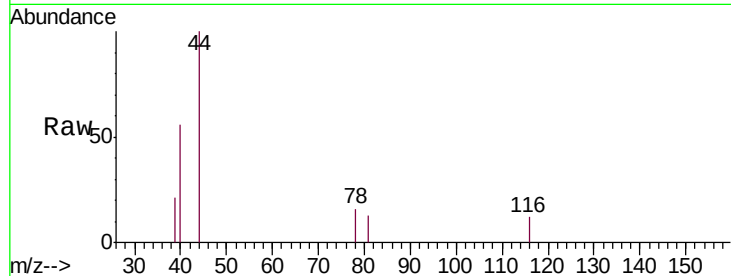
SP-1-2RE

Tgt Ion: 78 Resp: 85

Ion Ratio Lower Upper

78 100

77 0.0 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.81

150

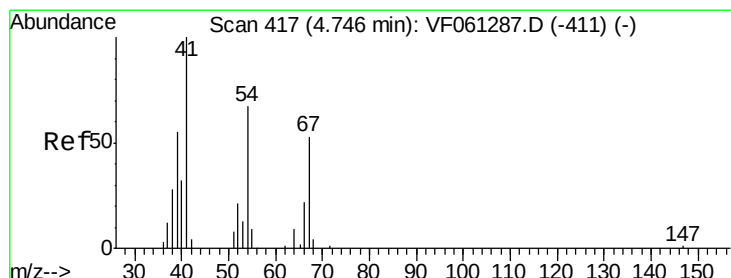
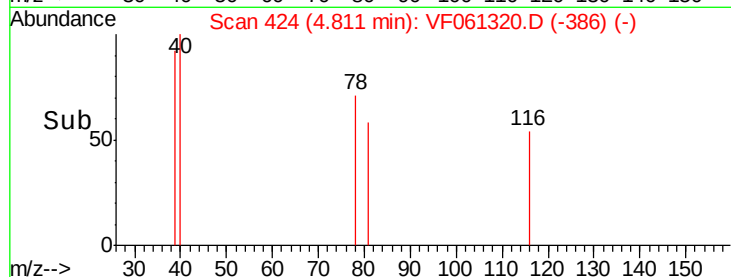
100

50

0

4.78 4.80 4.82 4.84

Time-->



#41

Methacrylonitrile

Concen: 484.896 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.16 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Tgt Ion: 41 Resp: 76

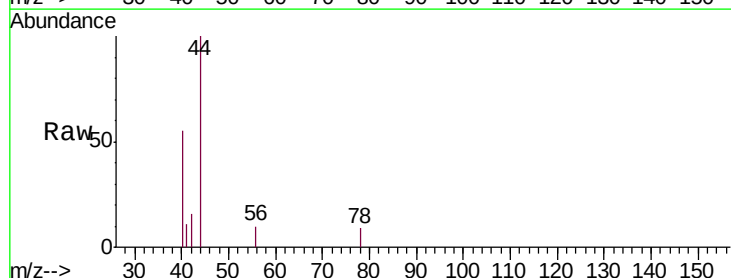
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

250

200

150

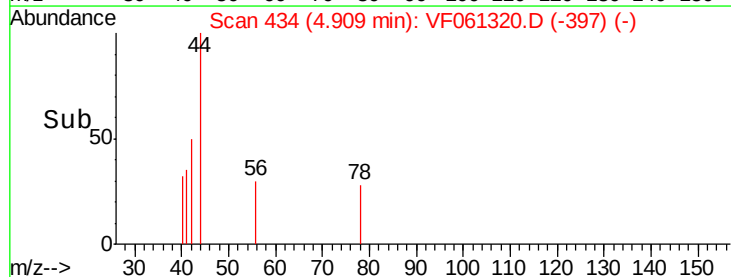
100

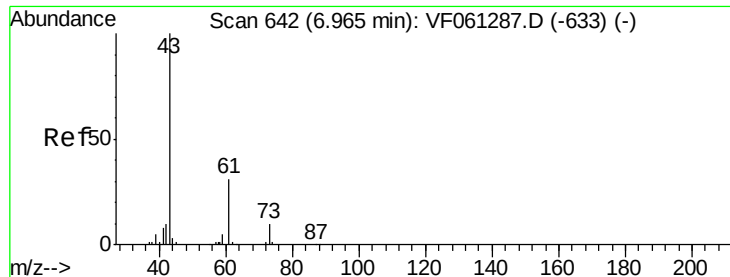
50

0

4.88 4.90 4.92 4.94

Time-->

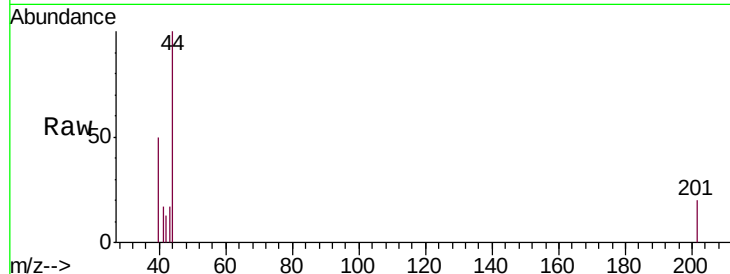




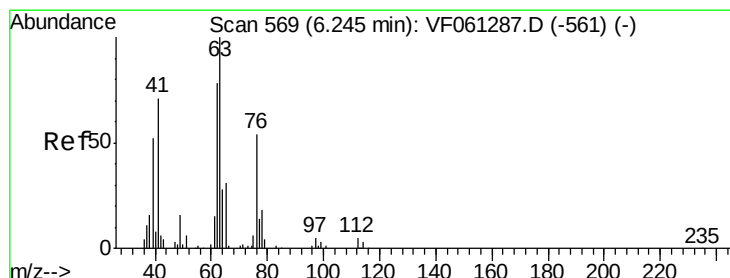
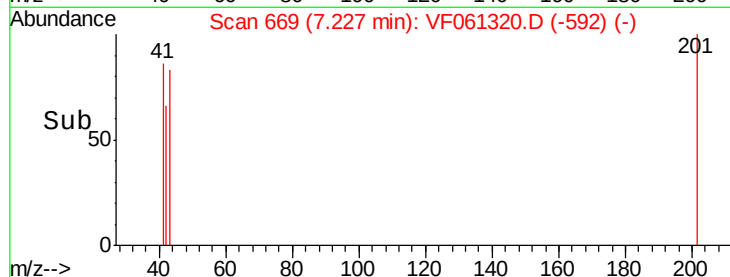
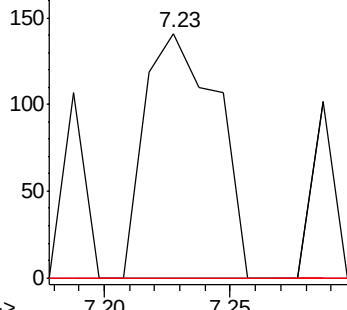
#43
Isopropyl Acetate
Concen: 761.036 ug/l
RT: 7.23 min Scan# 669
Delta R.T. 0.26 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
61 0.0 24.3 36.5#
87 0.0 0.2 0.4#

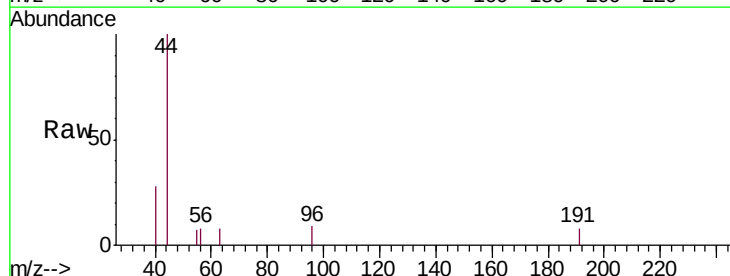


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

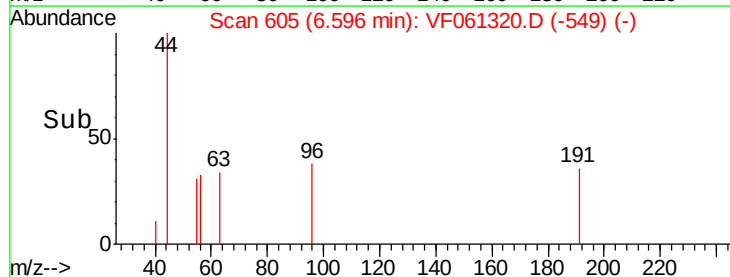
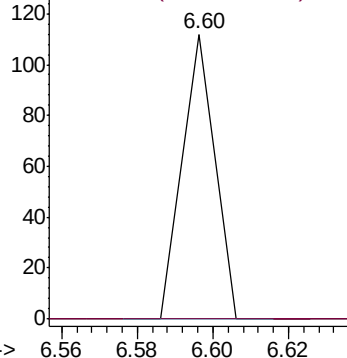


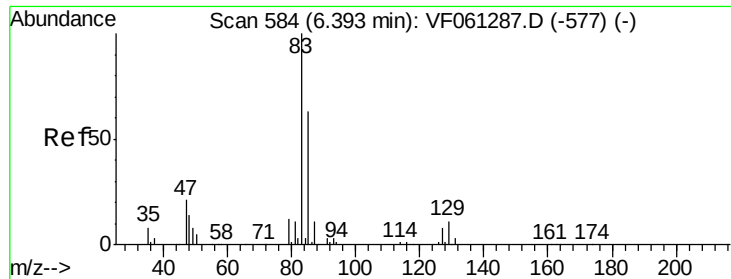
#45
1,2-Dichloropropane
Concen: 144.238 ug/l
RT: 6.60 min Scan# 605
Delta R.T. 0.35 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

Tgt Ion: 63 Resp: 66
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 65.00 (64.70 to 65.70): VF0





#47

Bromodichloromethane

Concen: 91.596 ug/l

RT: 6.68 min Scan# 613

Delta R.T. 0.28 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Instrument :

MSVOA_F

ClientSampleId :

SP-1-2RE

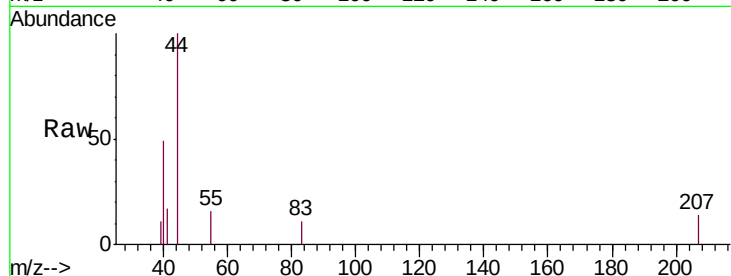
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

85 0.0 50.4 75.6#

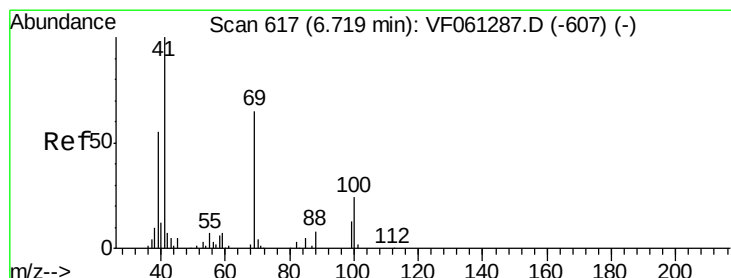
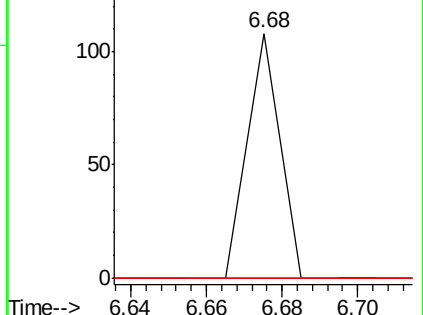
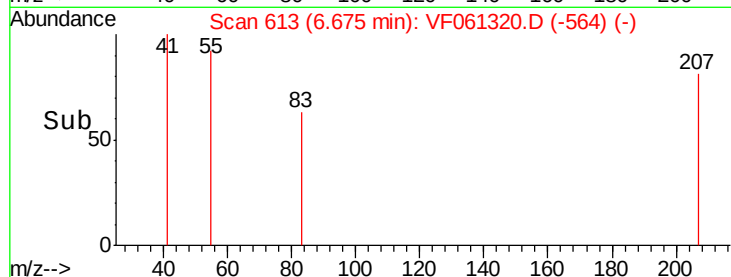
127 0.0 6.4 9.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 619.493 ug/l

RT: 6.96 min Scan# 642

Delta R.T. 0.24 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

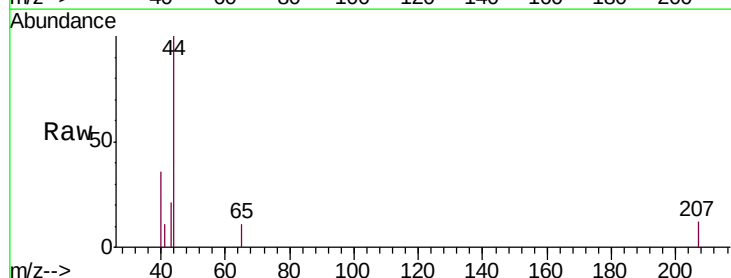
Tgt Ion: 41 Resp: 149

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

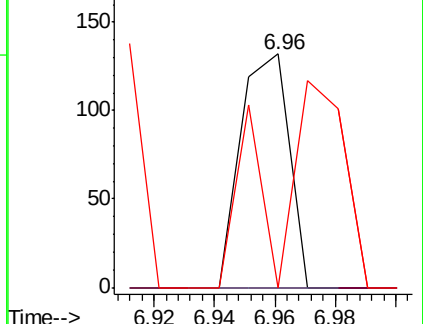
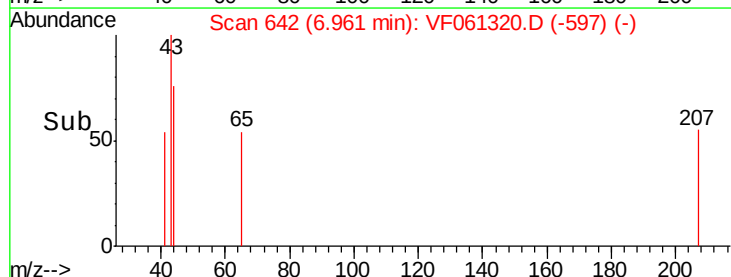
39 0.0 44.1 66.1#

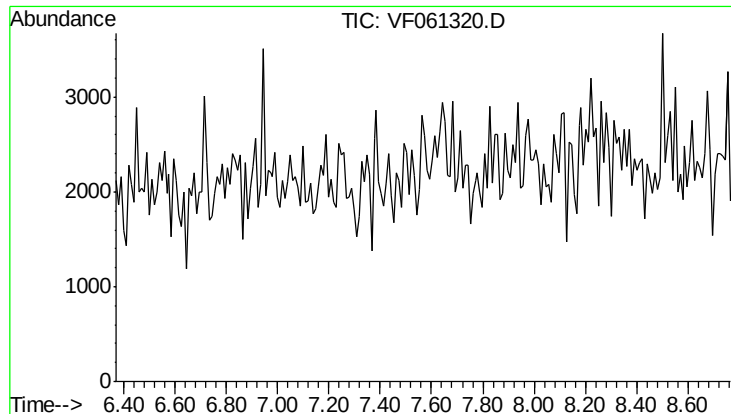


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



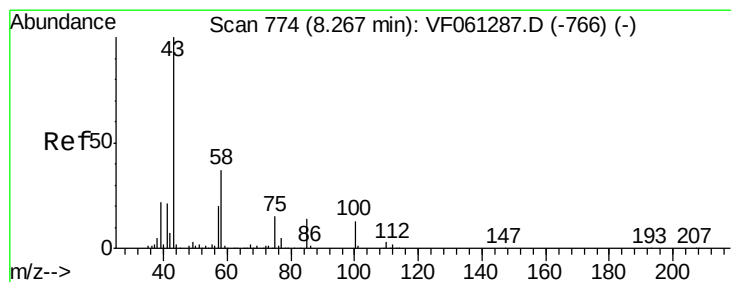
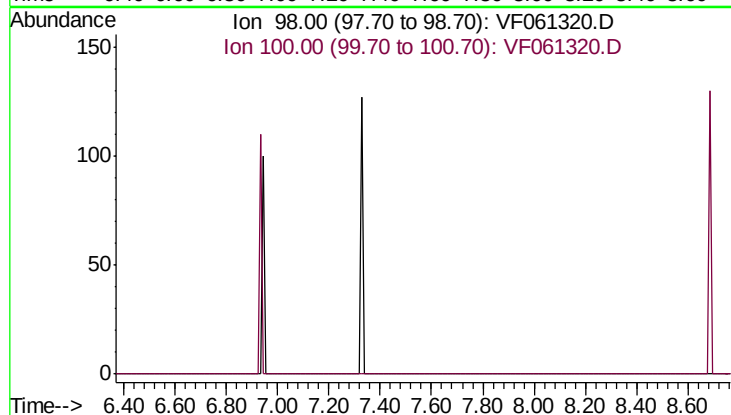


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

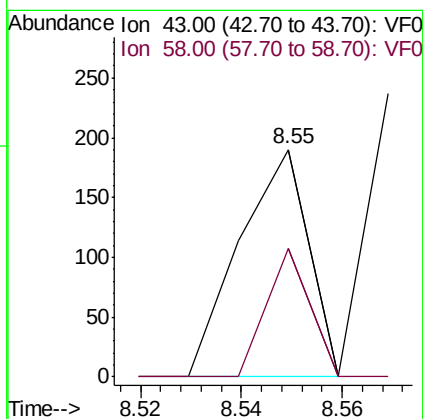
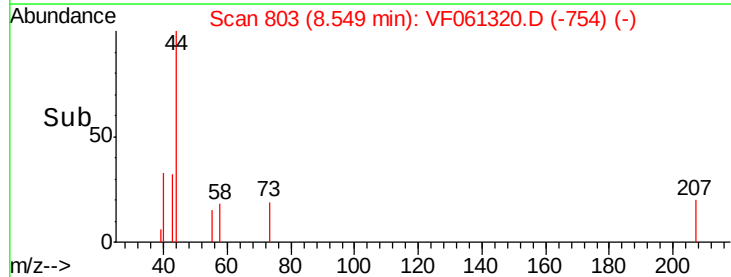
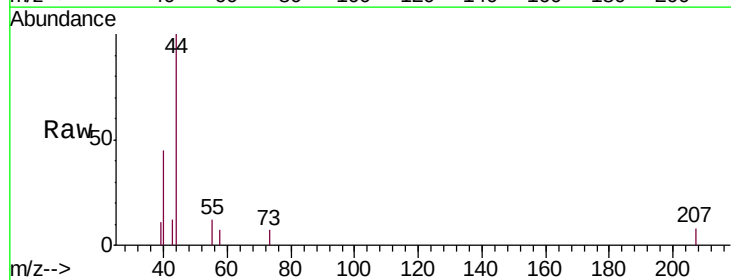
Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

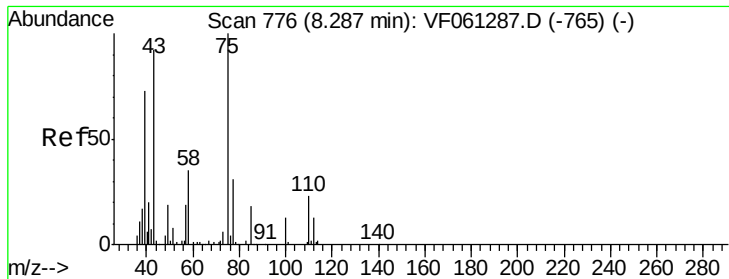
Tgt Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 643.574 ug/l
RT: 8.55 min Scan# 803
Delta R.T. 0.28 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 56.3 29.6 44.4#





#53

t-1,3-Dichloropropene

Concen: 149.439 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.21 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Instrument :

MSVOA_F

ClientSampleId :

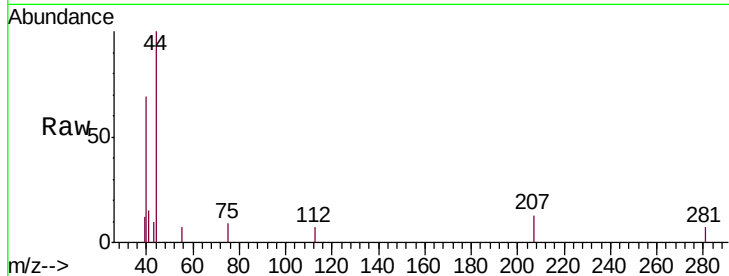
SP-1-2RE

Tgt Ion: 75 Resp: 82

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

8.50

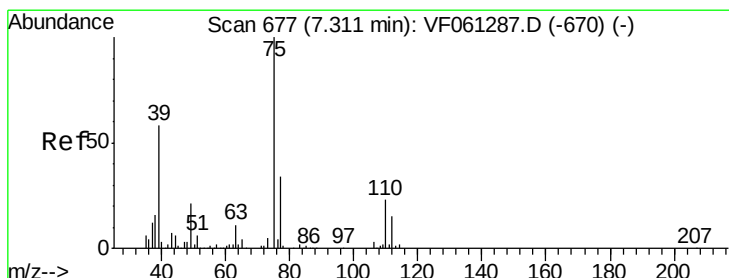
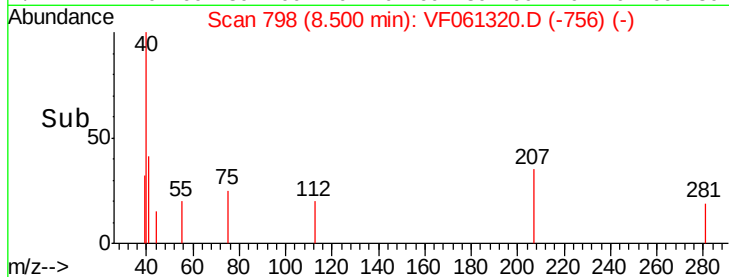
150

100

50

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 130.575 ug/l

RT: 7.68 min Scan# 715

Delta R.T. 0.37 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

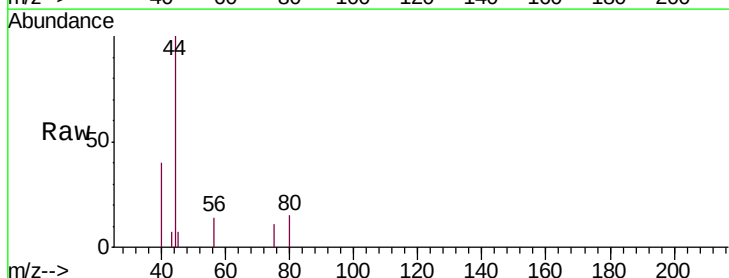
Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 0.0 27.3 40.9#

39 0.0 46.3 69.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200

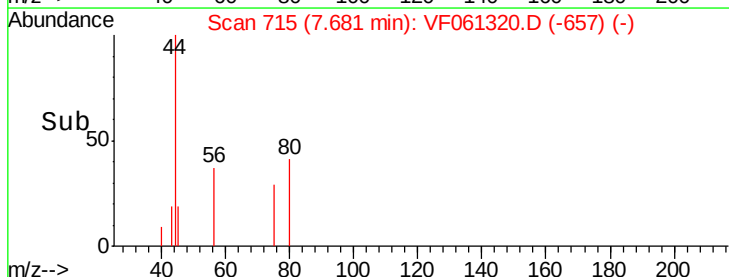
150

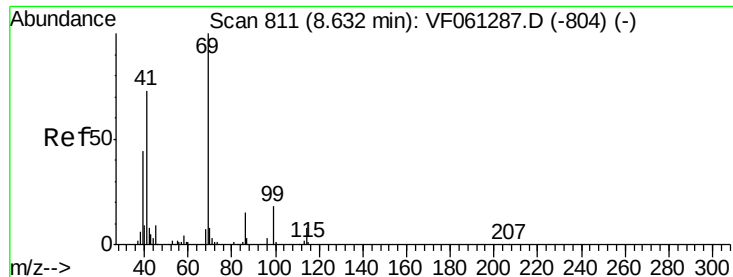
100

50

0

Time-->

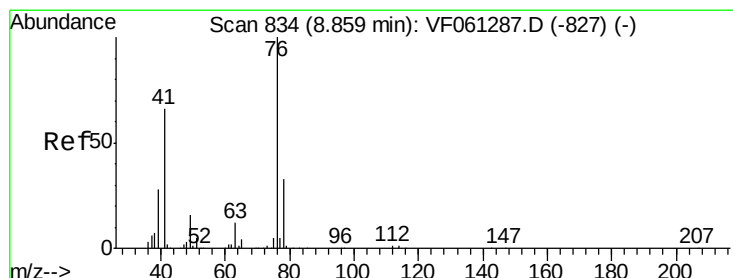
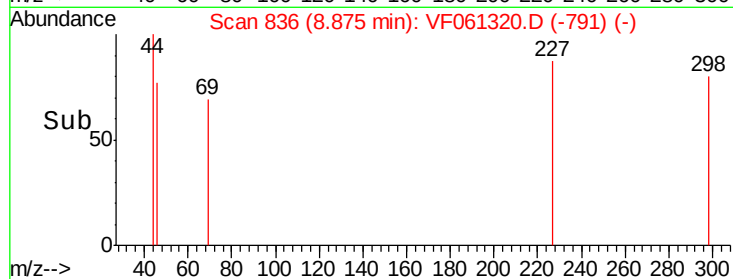
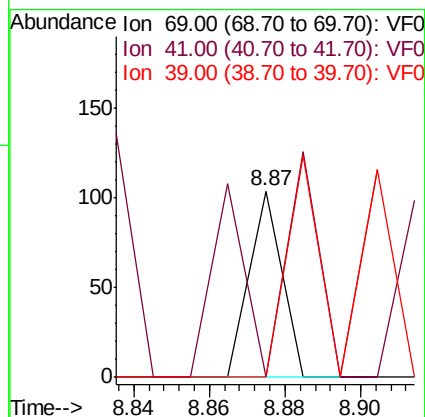
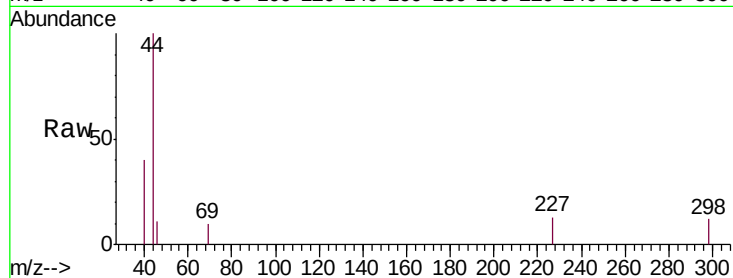




#56
Ethyl methacrylate
Concen: 171.409 ug/l
RT: 8.87 min Scan# 836
Delta R.T. 0.24 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

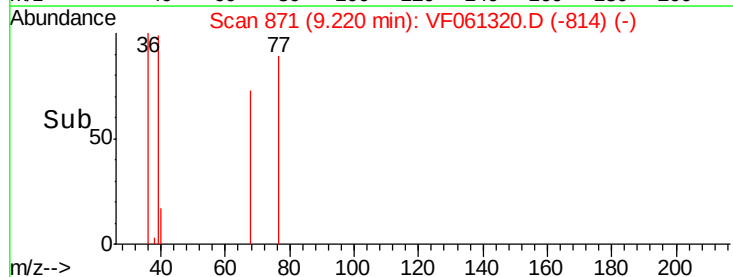
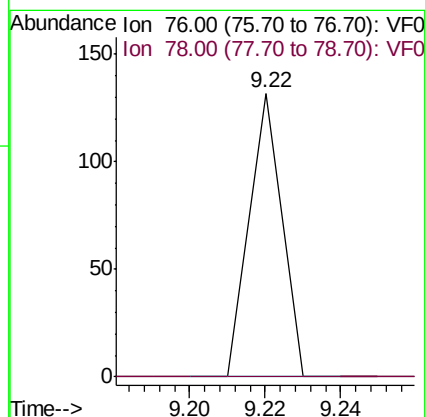
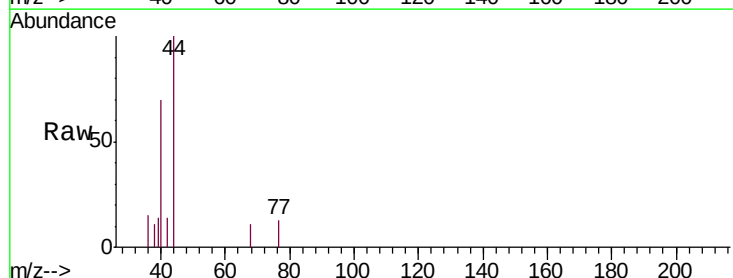
Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

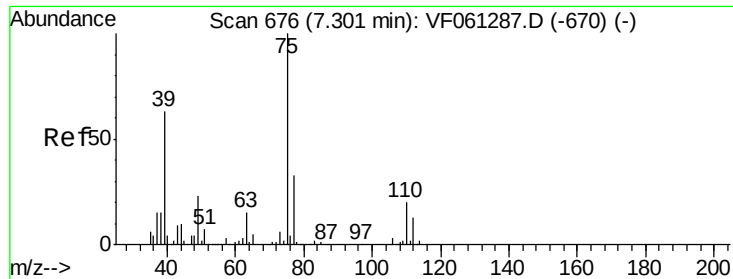
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 0.0 59.0 88.4#
39 0.0 35.3 52.9#



#57
1,3-Dichloropropane
Concen: 136.182 ug/l
RT: 9.22 min Scan# 871
Delta R.T. 0.36 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

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





#58

2-Chloroethyl Vinyl ether

Concen: 4087.144 ug/l

RT: 7.52 min Scan# 699

Delta R.T. 0.22 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Instrument :

MSVOA_F

ClientSampleId :

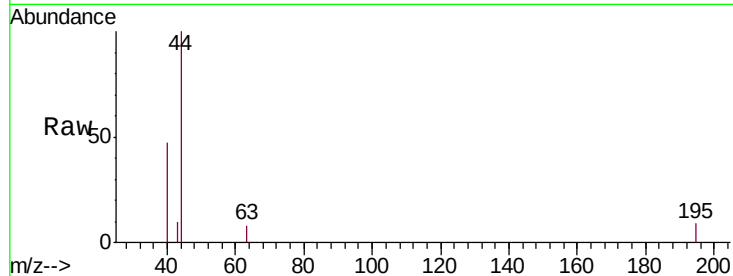
SP-1-2RE

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

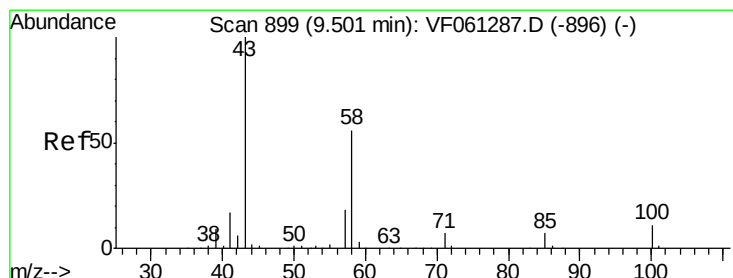
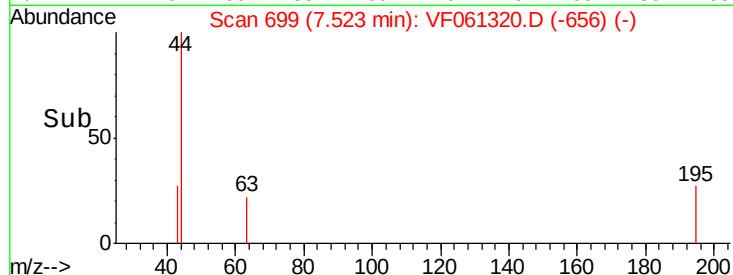
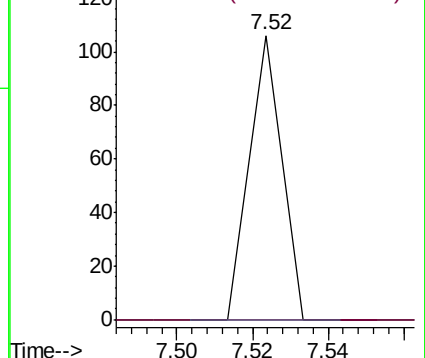
63 100

106 0.0 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 918.518 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.40 min

Lab File: VF061320.D

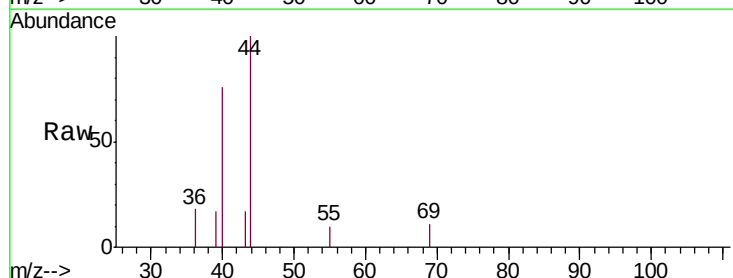
Acq: 10 Jan 2019 2:14

Tgt Ion: 43 Resp: 182

Ion Ratio Lower Upper

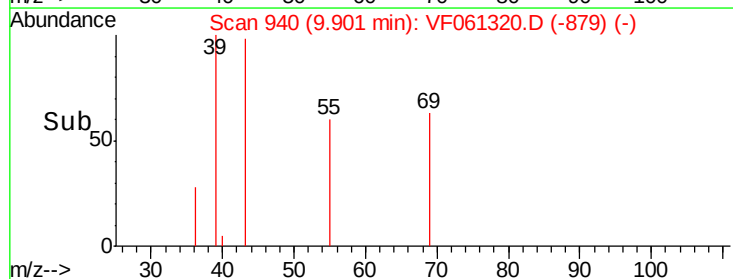
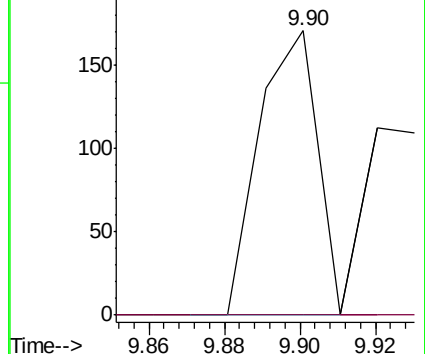
43 100

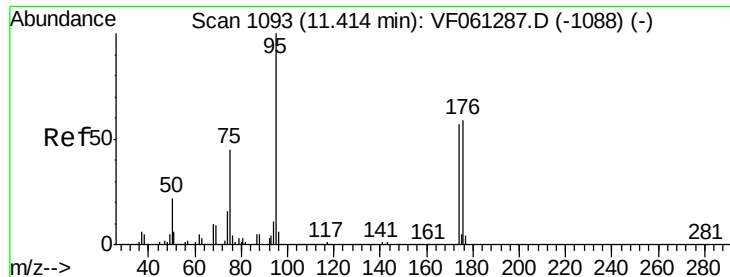
58 0.0 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 91.945 ug/l

RT: 11.77 min Scan# 1129

Delta R.T. 0.35 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

Instrument :

MSVOA_F

ClientSampleId :

SP-1-2RE

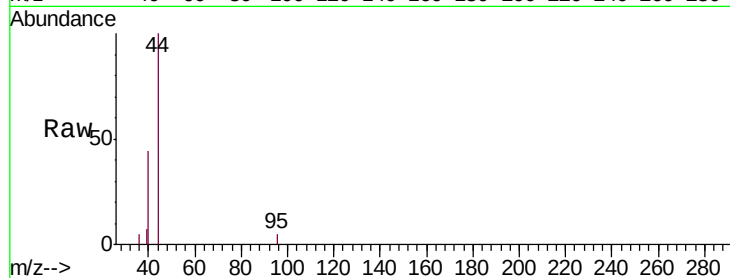
Tgt Ion: 95 Resp: 60

Ion Ratio Lower Upper

95 100

174 0.0 0.0 114.2

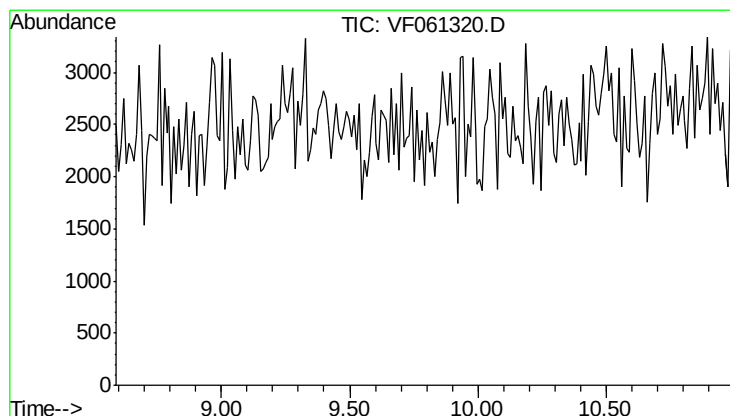
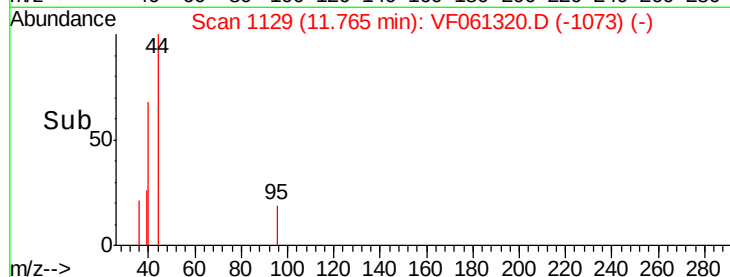
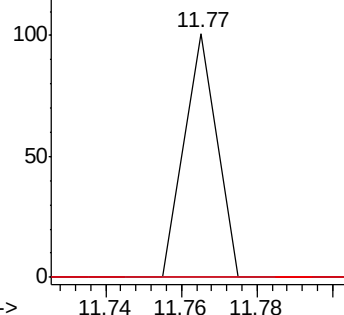
176 0.0 0.0 117.8



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: 0.000 ug/l

Expected RT: 9.79 min

Lab File: VF061320.D

Acq: 10 Jan 2019 2:14

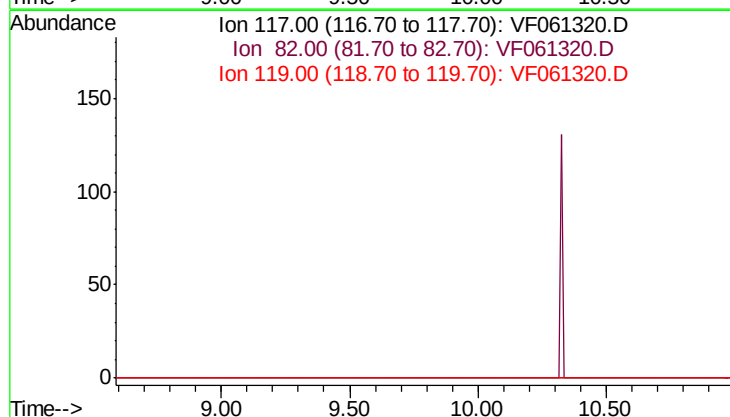
Tgt Ion: 117

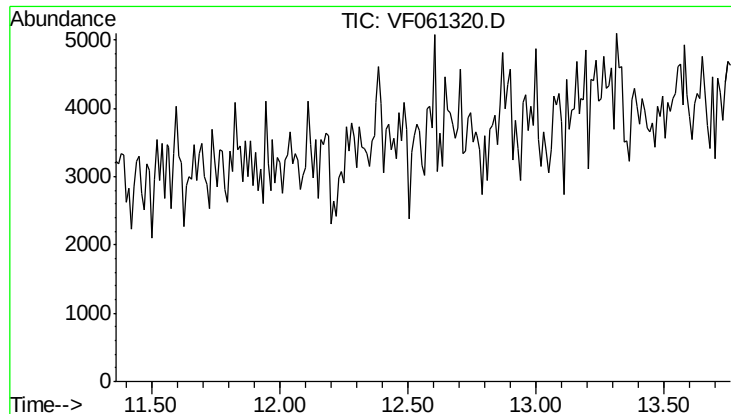
Sig Exp Ratio

117 100

82 56.6

119 31.7





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.56 min
Lab File: VF061320.D
Acq: 10 Jan 2019 2:14

Instrument :
MSVOA_F
ClientSampleId :
SP-1-2RE

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

