

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059813.D
 Acq On : 2 Aug 2018 21:03
 Operator : VA/AP
 Sample : J4164-09
 Misc : 12.14g/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2(3-5)

Quant Time: Aug 03 07:06:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

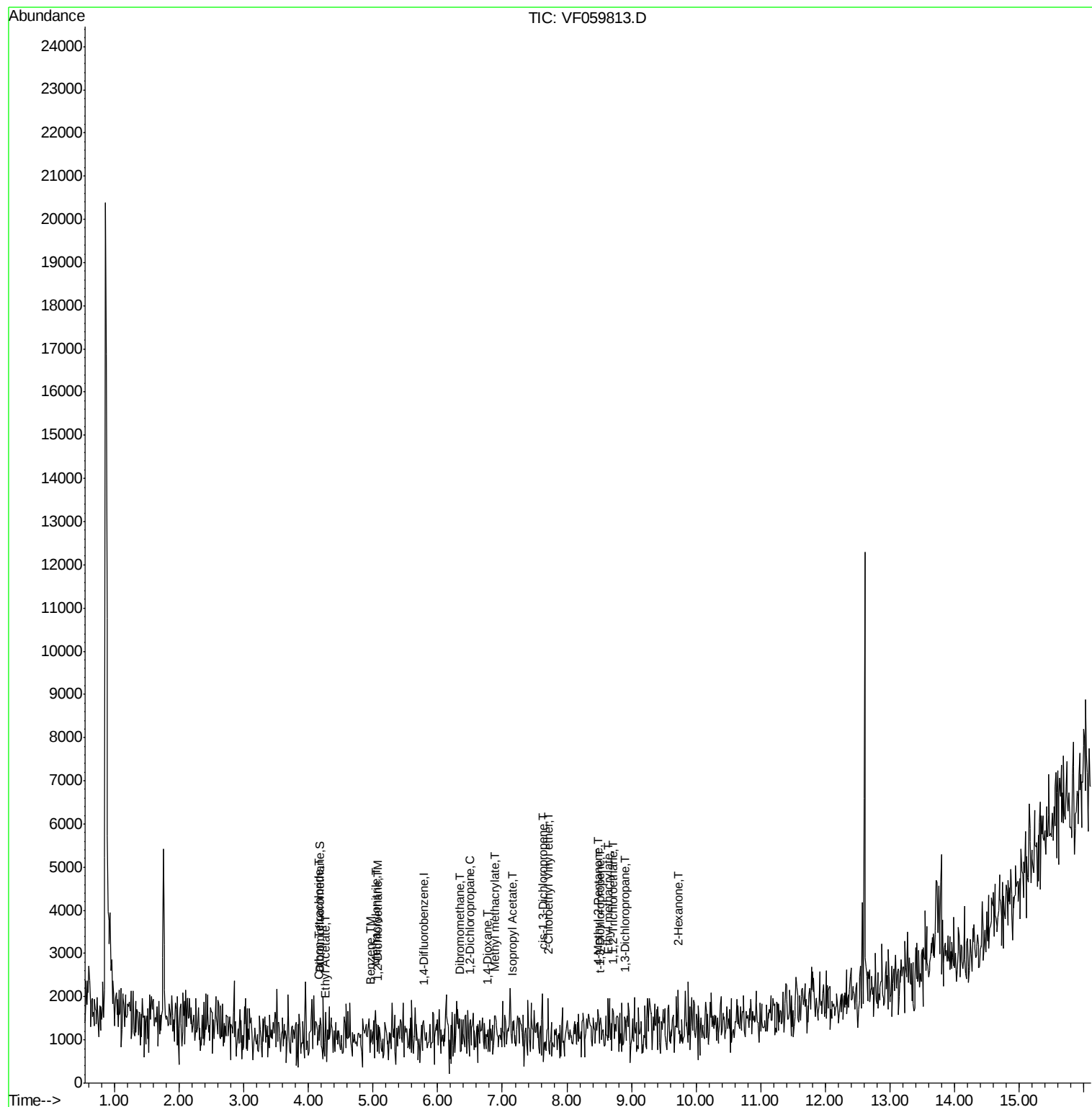
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.03
34) 1,4-Difluorobenzene	5.80	114	66	50.00	ug/l	0.04
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.10	65	143	0.00	ug/l	0.08
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	4.18	113	62	90.44	ug/l	-0.10
Spiked Amount 50.000			Recovery	=	180.88%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
37) Ethyl Acetate	4.25	43	156	516.93	ug/l #	19
38) Carbon Tetrachloride	4.16	117	77	73.38	ug/l #	14
40) Benzene	4.96	78	109	81.78	ug/l #	52
41) Methacrylonitrile	5.03	41	154	979.08	ug/l #	55
42) 1,2-Dichloroethane	5.08	62	129	138.29	ug/l	85
43) Isopropyl Acetate	7.16	43	89	225.52	ug/l #	41
45) 1,2-Dichloropropane	6.51	63	72	204.55	ug/l #	43
46) Dibromomethane	6.33	93	69	206.47	ug/l #	8
48) Methyl methacrylate	6.90	41	220	741.13	ug/l #	13
49) 1,4-Dioxane	6.76	88	63	12597.26	ug/l #	29
51) 4-Methyl-2-Pentanone	8.48	43	64	213.18	ug/l #	42
53) t-1,3-Dichloropropene	8.52	75	88	111.44	ug/l #	41
54) cis-1,3-Dichloropropene	7.61	75	63	82.37	ug/l #	18
55) 1,1,2-Trichloroethane	8.72	97	66	182.84	ug/l #	14
56) Ethyl methacrylate	8.65	69	62	164.69	ug/l #	14
57) 1,3-Dichloropropane	8.89	76	63	101.73	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.70	63	62	1426.44	ug/l	100
59) 2-Hexanone	9.72	43	62	257.72	ug/l #	30

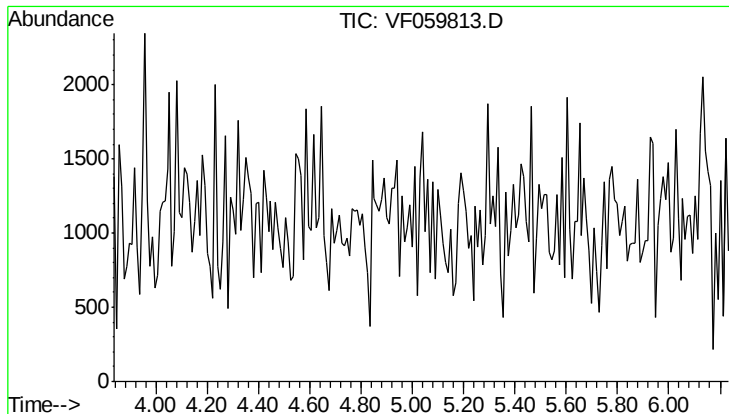
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Tot Ion: 168

Sig Exp Ratio

168 100

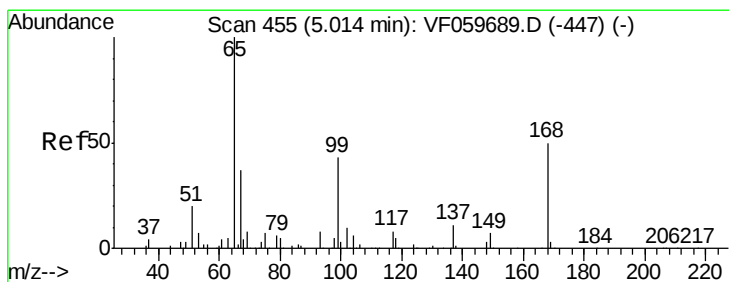
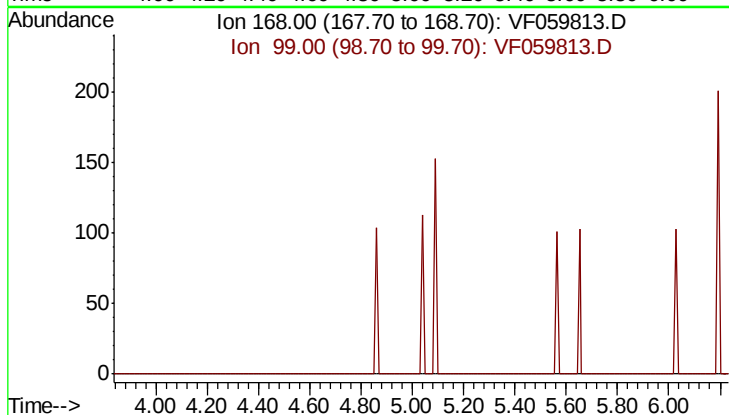
99 79.1

Instrument :

MSVOA_F

ClientSampleId :

SB-2(3-5)



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.08 min

Lab File: VF059813.D

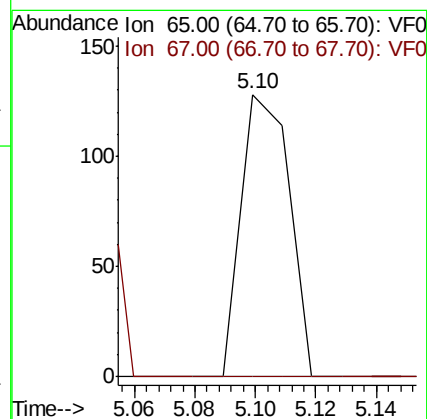
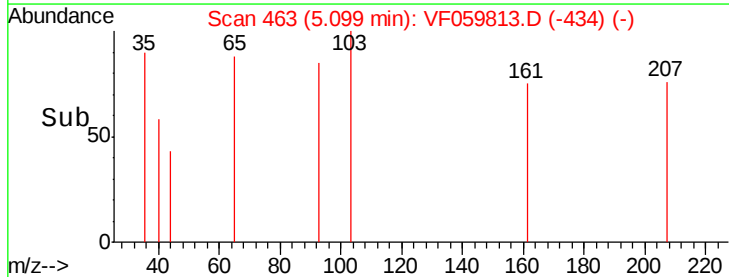
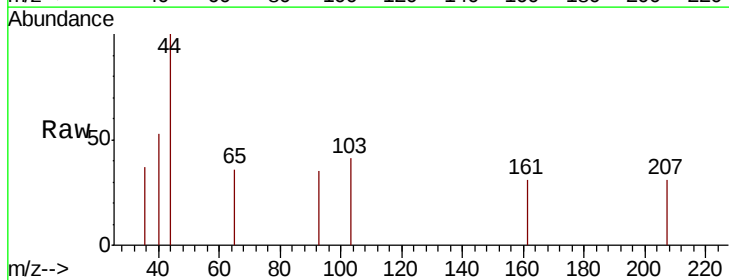
Acq: 2 Aug 2018 21:03

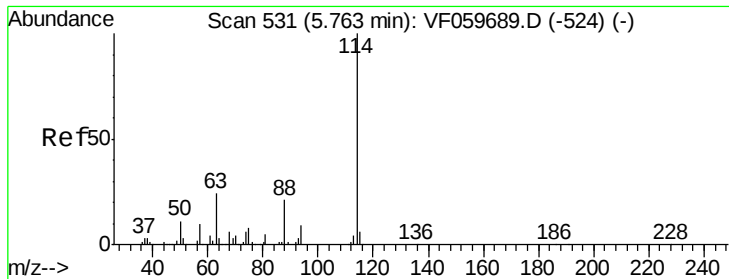
Tgt Ion: 65 Resp: 143

Ion Ratio Lower Upper

65 100

67 0.0 0.0 84.6

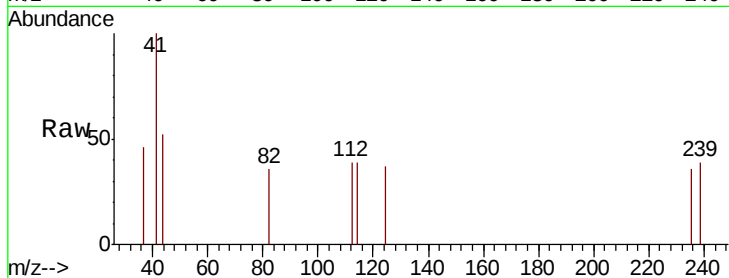




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.04 min
 Lab File: VF059813.D
 Acq: 2 Aug 2018 21:03

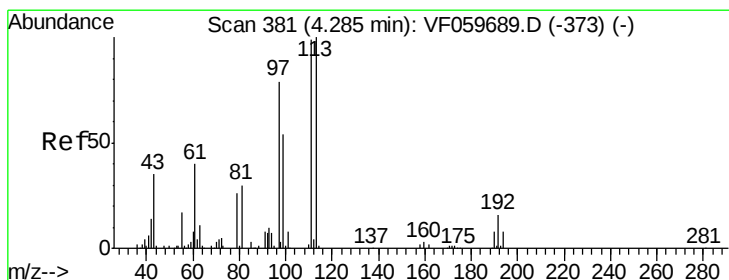
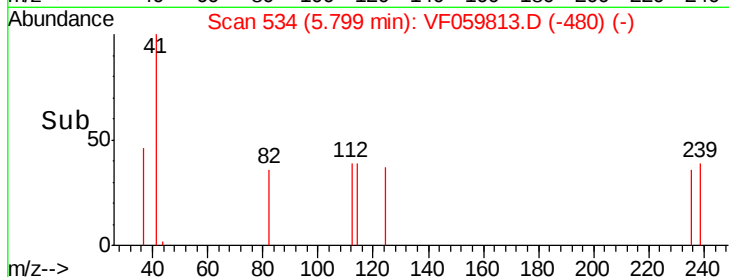
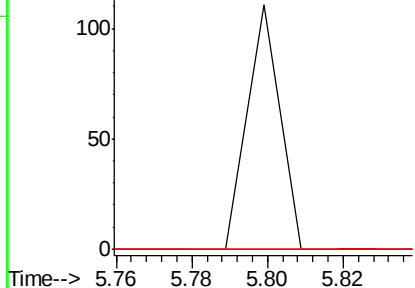
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	47.4
88	0.0	0.0	41.2



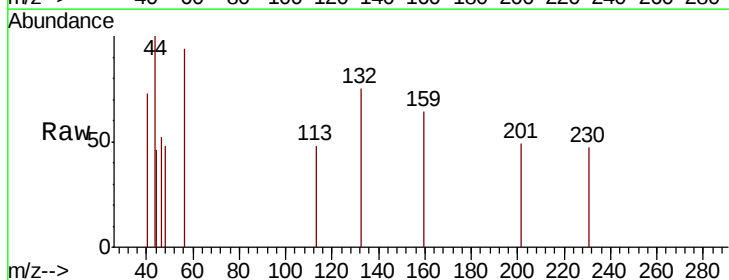
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

5.80



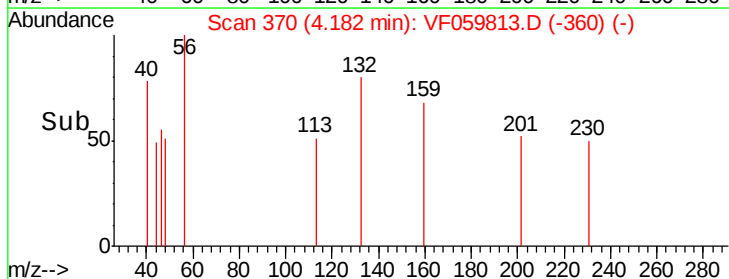
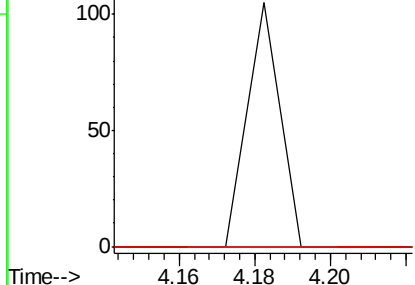
#35
 Dibromofluoromethane
 Concen: 90.44 ug/l
 RT: 4.18 min Scan# 370
 Delta R.T. -0.10 min
 Lab File: VF059813.D
 Acq: 2 Aug 2018 21:03

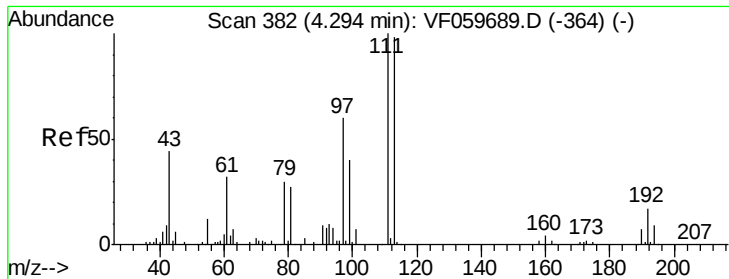
Tgt Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.0	118.4#
192	0.0	13.2	19.8#



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

4.18

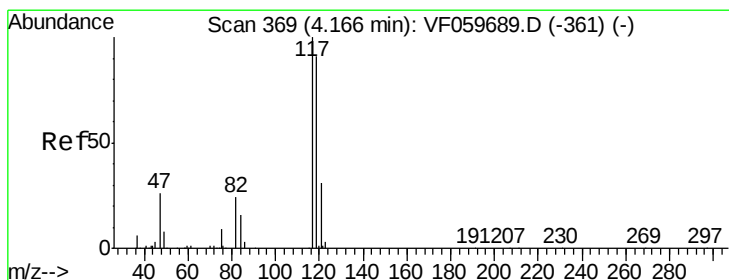
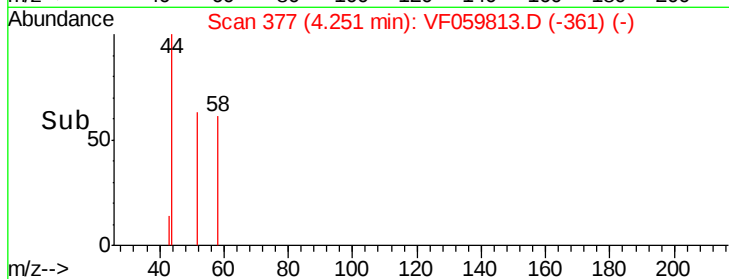
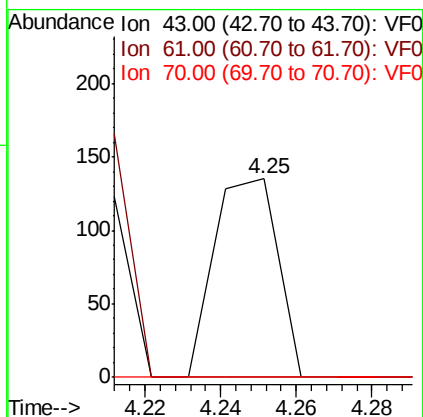
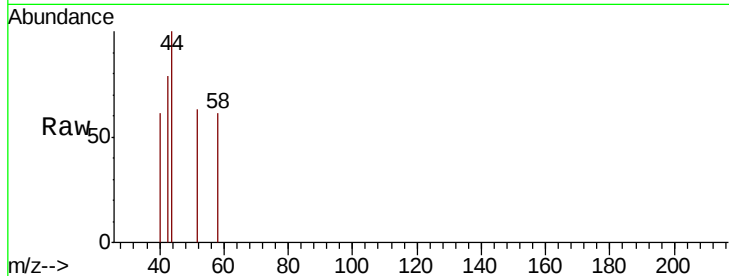




#37
Ethyl Acetate
Concen: 516.93 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

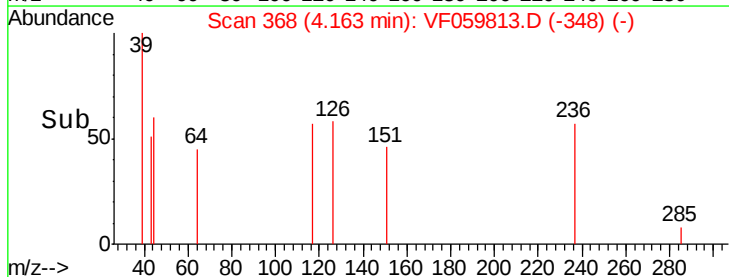
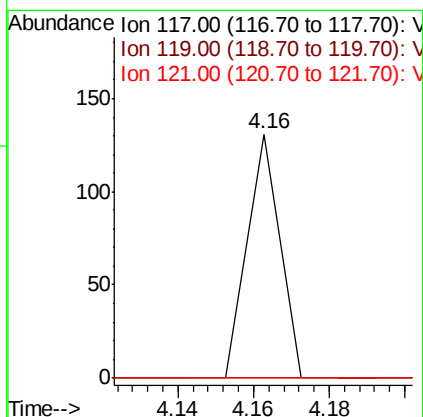
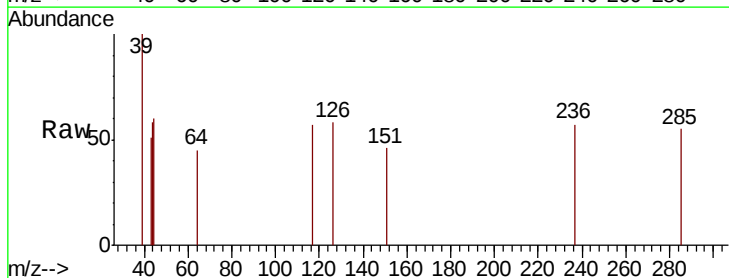
Instrument :
MSVOA_F
ClientSampleId :
SB-2(3-5)

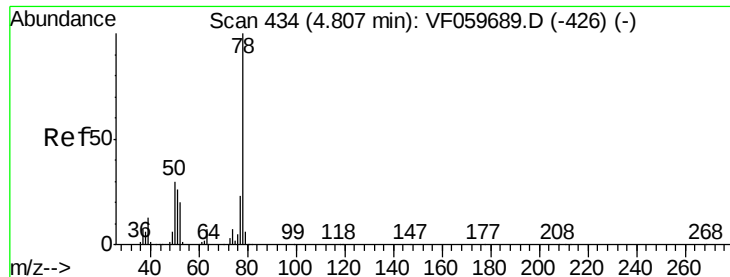
Tot Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 73.38 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
119 0.0 72.9 109.3#
121 0.0 25.0 37.4#





#40

Benzene

Concen: 81.78 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.15 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

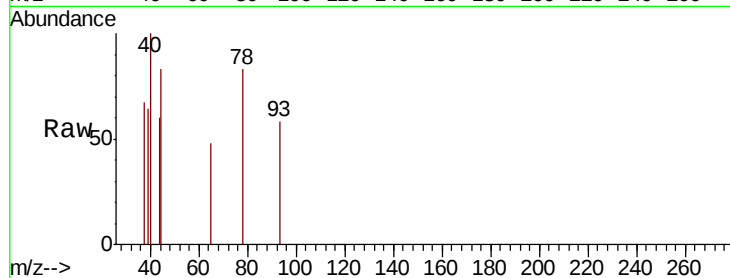
SB-2(3-5)

Tot Ion: 78 Resp: 109

Ion Ratio Lower Upper

78 100

77 0.0 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.96

200

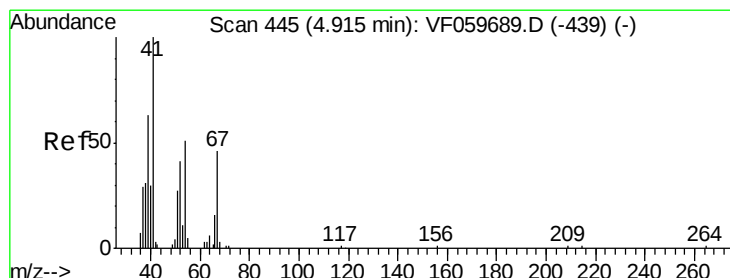
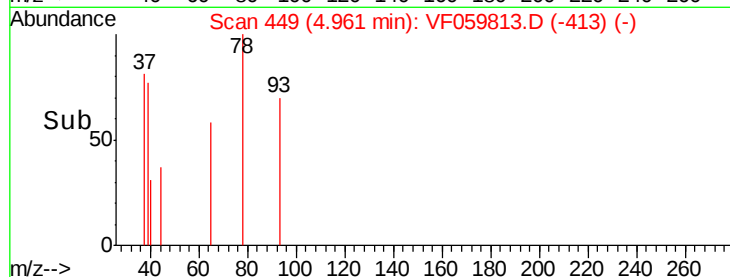
150

100

50

0

Time-->



#41

Methacrylonitrile

Concen: 979.08 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.12 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Tgt Ion: 41 Resp: 154

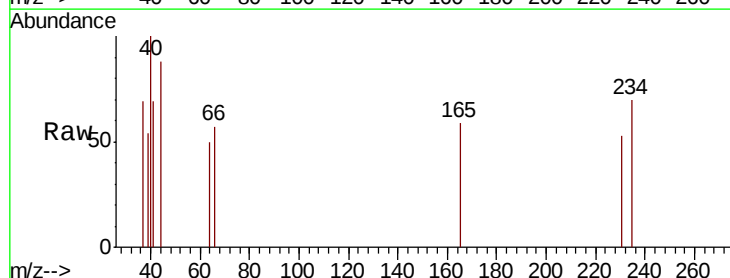
Ion Ratio Lower Upper

41 100

39 78.7 55.2 82.8

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#



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

200

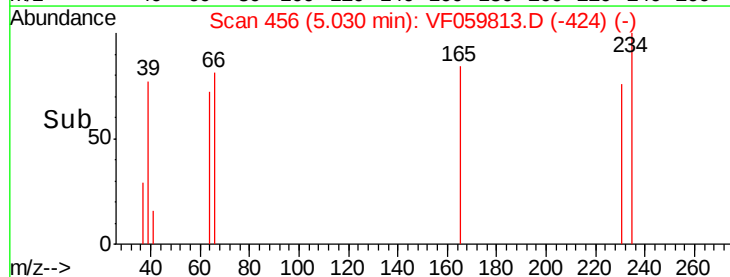
150

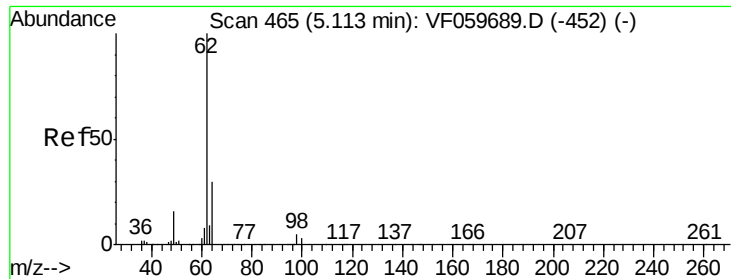
100

50

0

Time-->





#42

1,2-Dichloroethane

Concen: 138.29 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.03 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

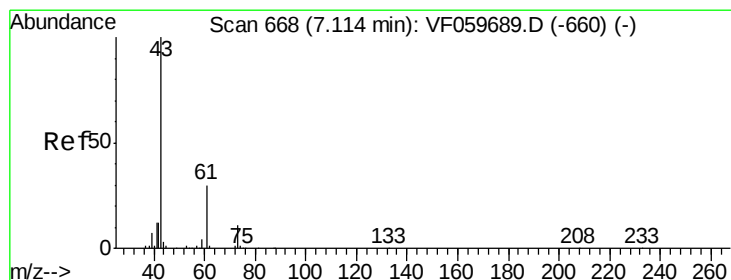
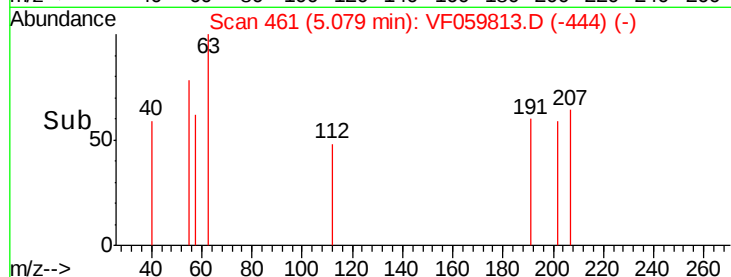
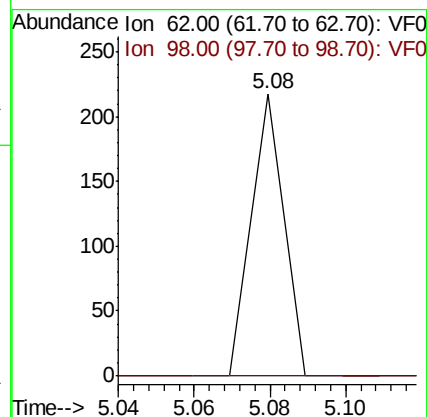
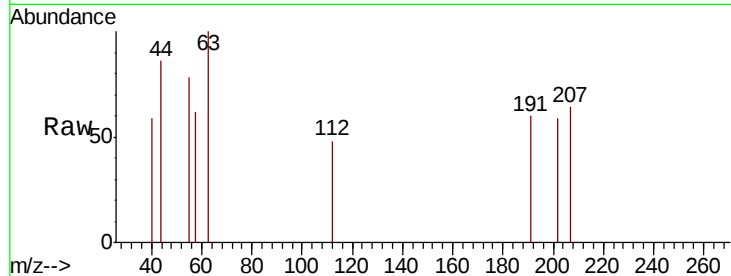
SB-2(3-5)

Tot Ion: 62 Resp: 129

Ion Ratio Lower Upper

62 100

98 0.0 0.0 9.6



#43

Isopropyl Acetate

Concen: 225.52 ug/l

RT: 7.16 min Scan# 672

Delta R.T. 0.05 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

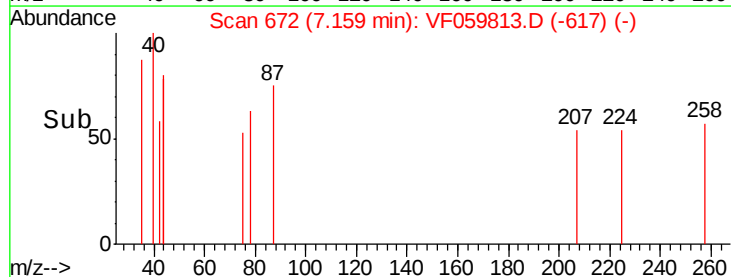
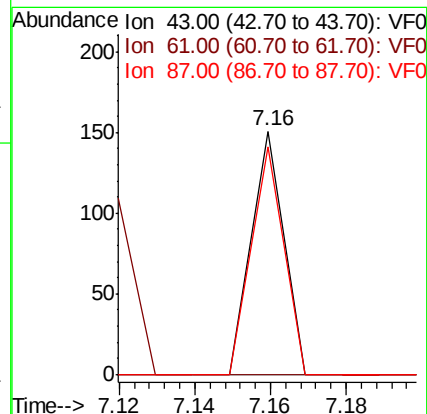
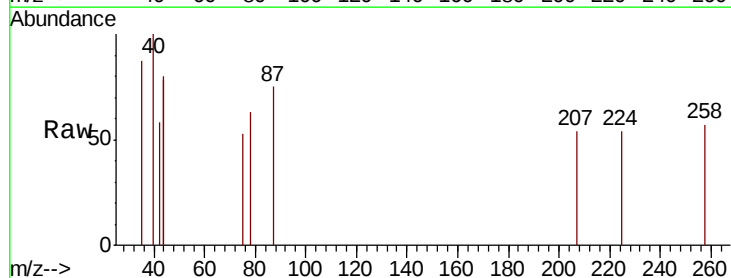
Tgt Ion: 43 Resp: 89

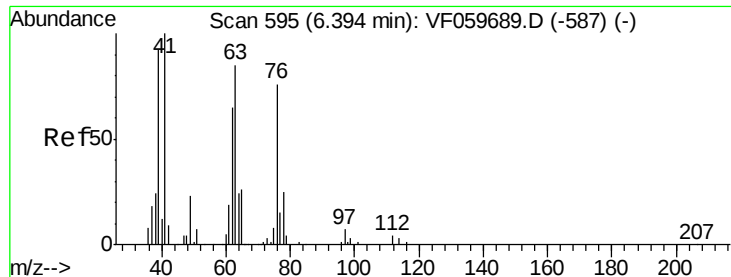
Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

87 93.4 0.6 1.0#





#45

1,2-Dichloropropane

Concen: 204.55 ug/l

RT: 6.51 min Scan# 606

Delta R.T. 0.11 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

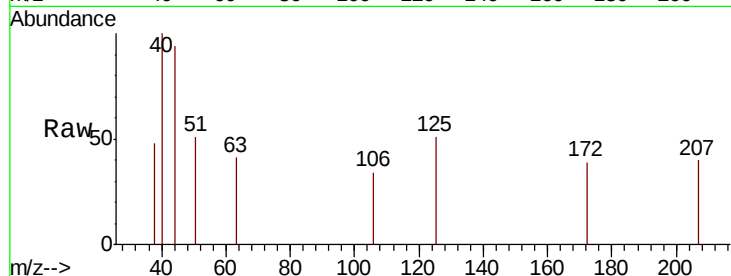
SB-2(3-5)

Tot Ion: 63 Resp: 72

Ion Ratio Lower Upper

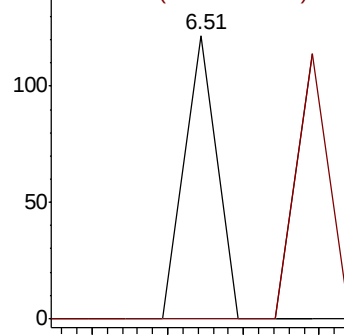
63 100

65 0.0 25.2 37.8#

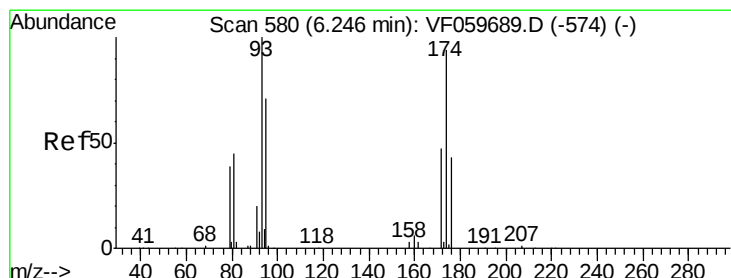
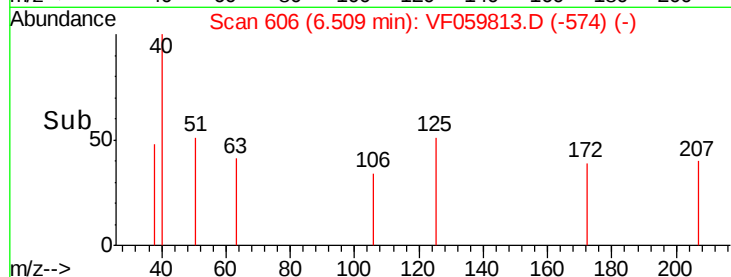


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#46

Dibromomethane

Concen: 206.47 ug/l

RT: 6.33 min Scan# 588

Delta R.T. 0.08 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

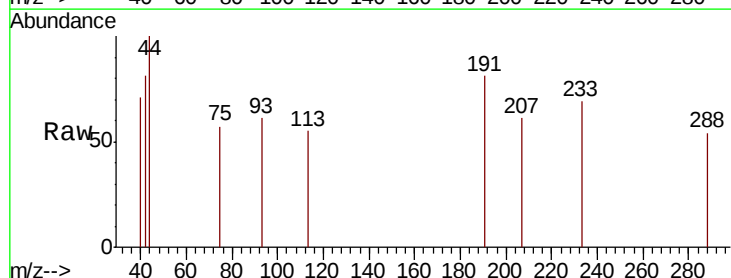
Tgt Ion: 93 Resp: 69

Ion Ratio Lower Upper

93 100

95 0.0 57.1 85.7#

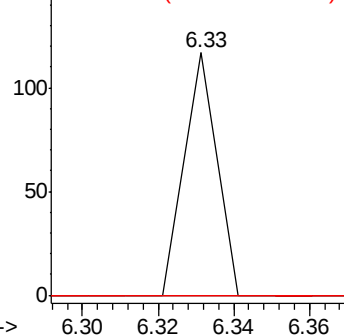
174 0.0 74.8 112.2#



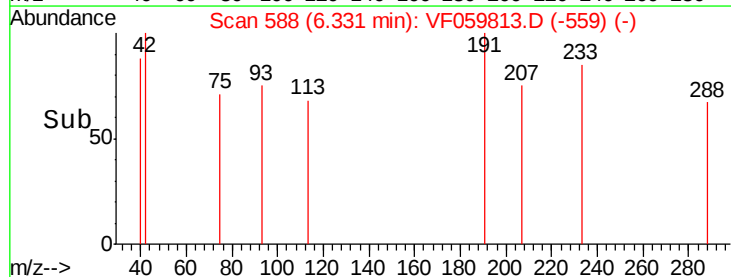
Abundance Ion 93.00 (92.70 to 93.70): VF0

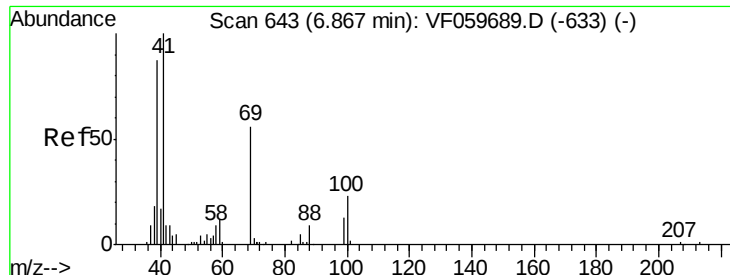
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->

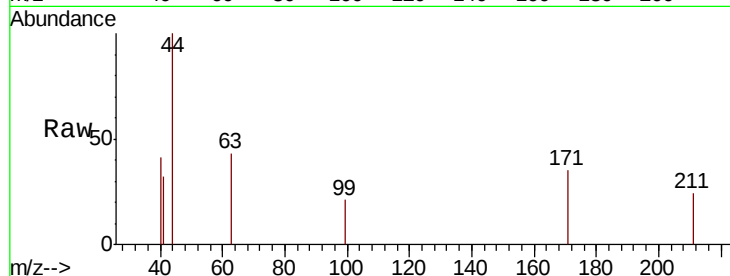




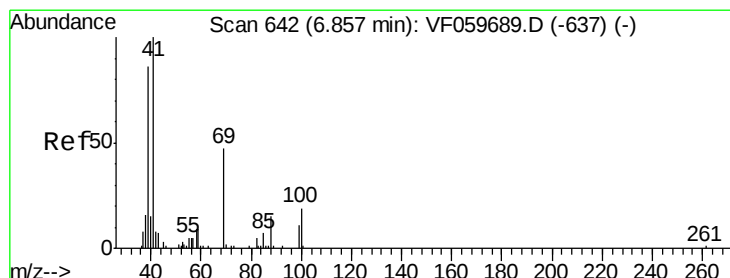
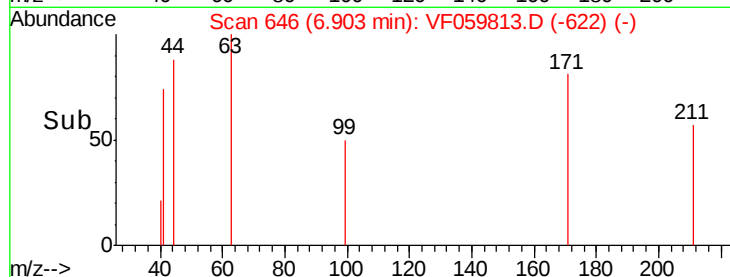
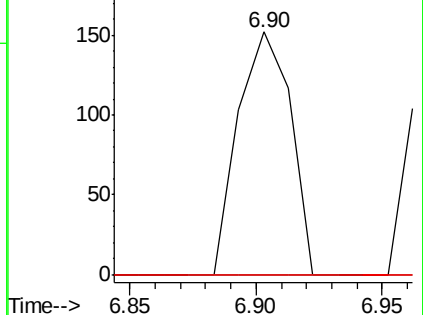
#48
Methyl methacrylate
Concen: 741.13 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
SB-2(3-5)

Tot Ion: 41 Resp: 220
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 69.4 104.2#

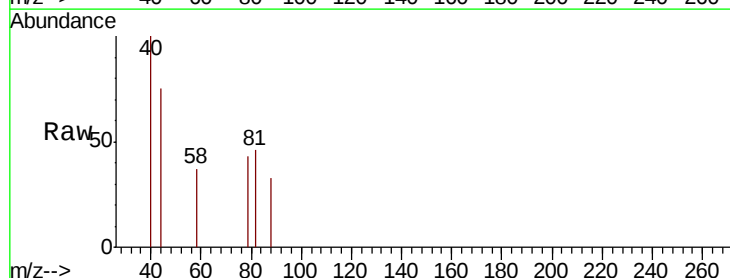


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

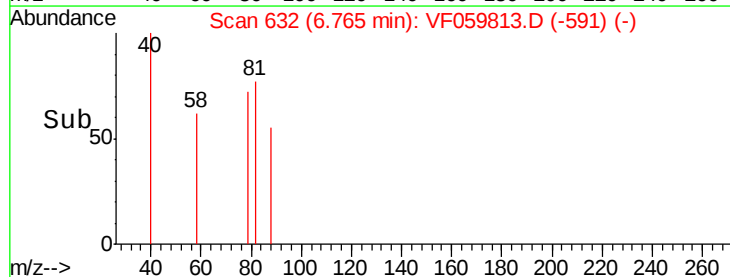
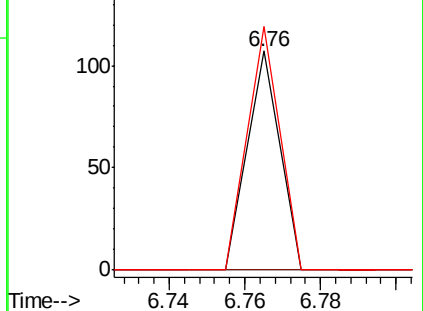


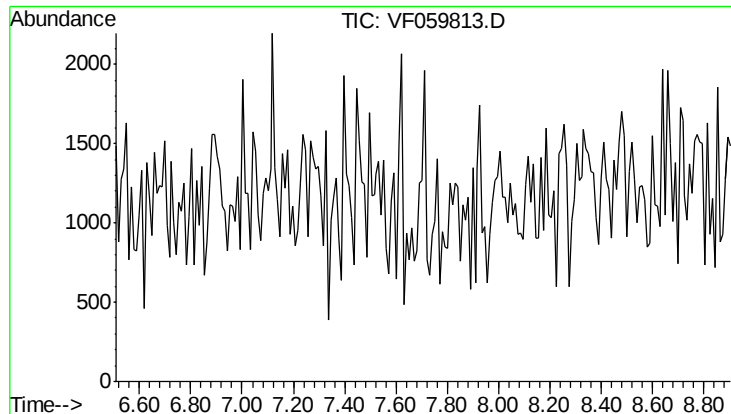
#49
1,4-Dioxane
Concen: 12597.26 ug/l
RT: 6.76 min Scan# 632
Delta R.T. -0.09 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 45.2 67.8#
58 111.2 49.0 73.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

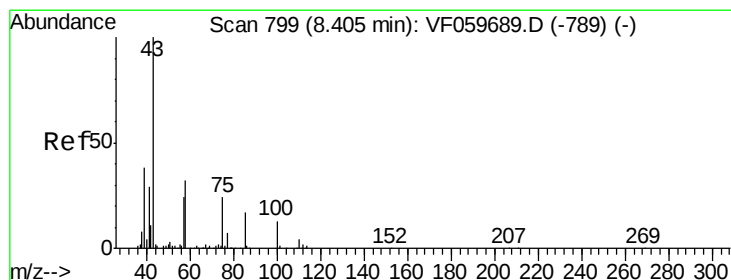
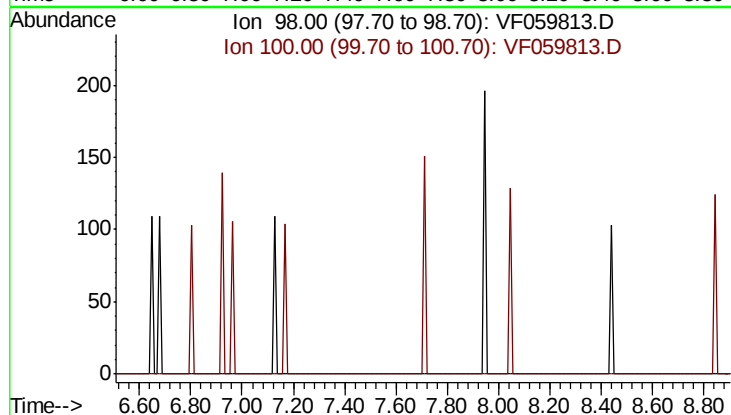




#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.71 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

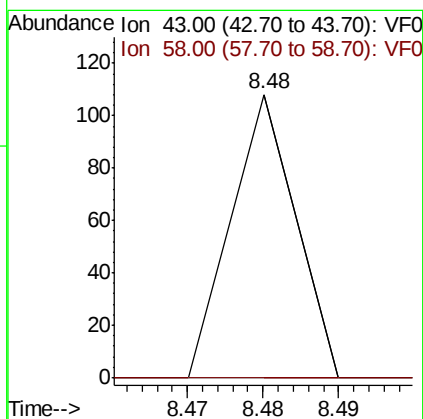
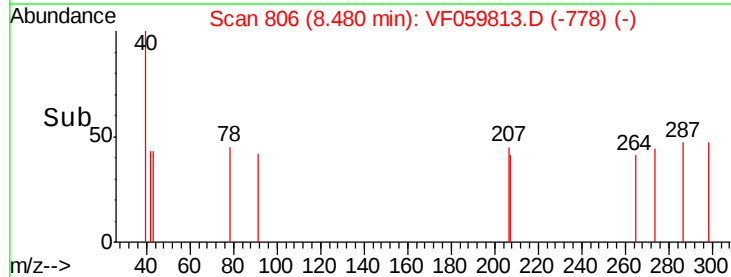
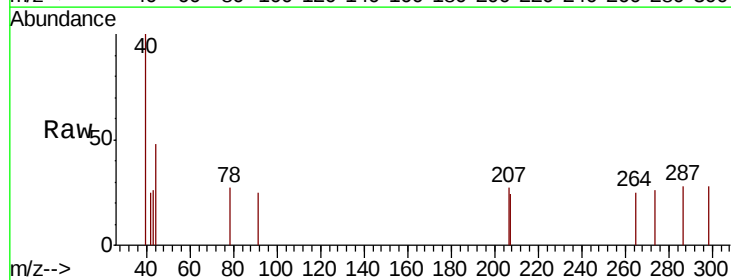
Instrument :
MSVOA_F
ClientSampleId :
SB-2(3-5)

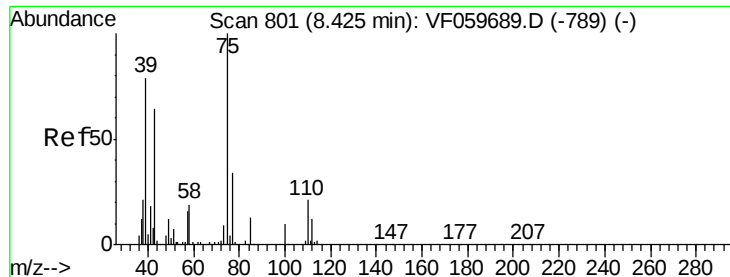
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.0



#51
4-Methyl-2-Pentanone
Concen: 213.18 ug/l
RT: 8.48 min Scan# 806
Delta R.T. 0.08 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#53

t-1,3-Dichloropropene

Concen: 111.44 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.09 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

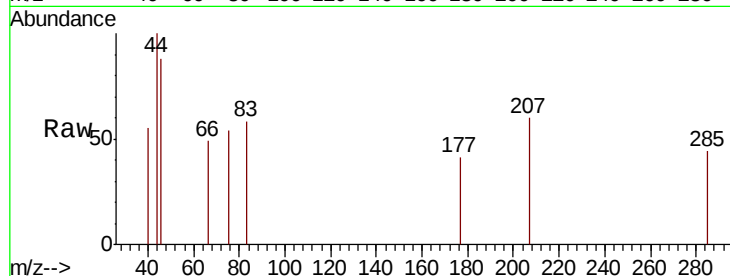
SB-2(3-5)

Tot Ion: 75 Resp: 88

Ion Ratio Lower Upper

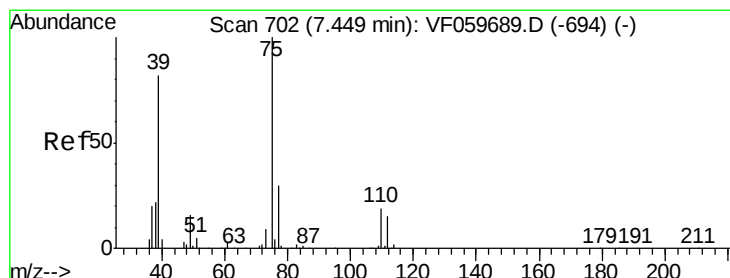
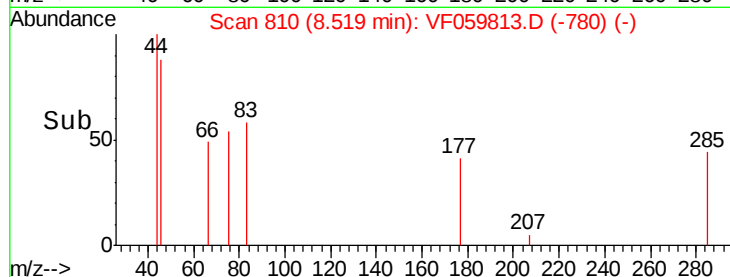
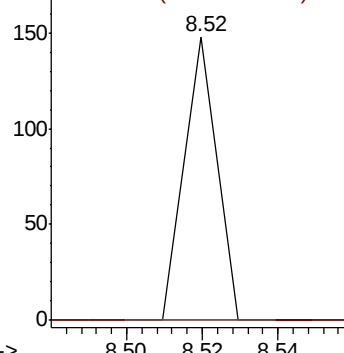
75 100

77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 82.37 ug/l

RT: 7.61 min Scan# 718

Delta R.T. 0.16 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

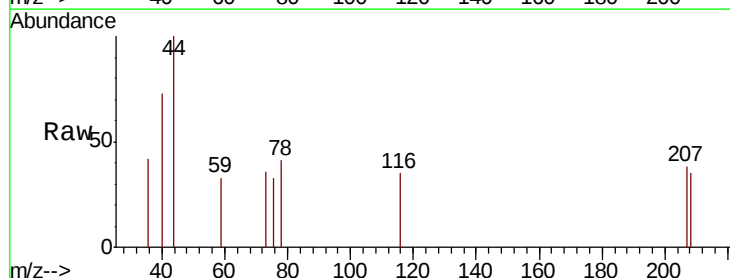
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

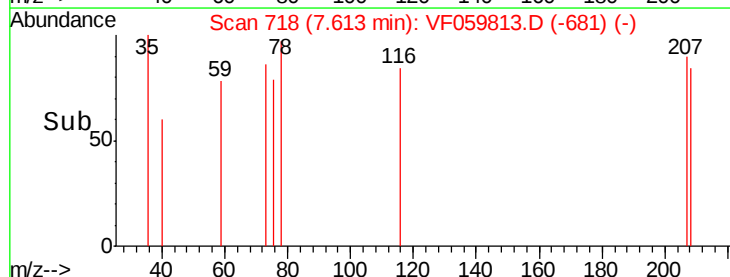
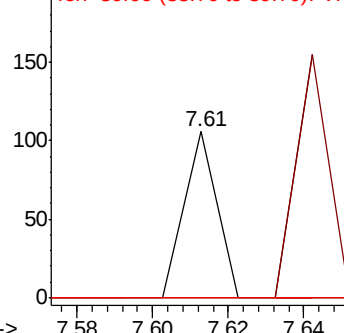
39 0.0 65.4 98.2#

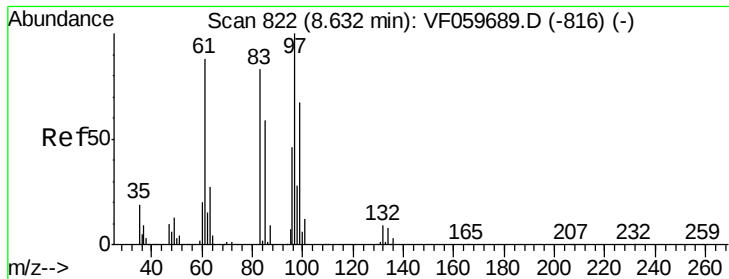


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 182.84 ug/l

RT: 8.72 min Scan# 830

Delta R.T. 0.09 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

SB-2(3-5)

Tot Ion: 97 Resp: 66

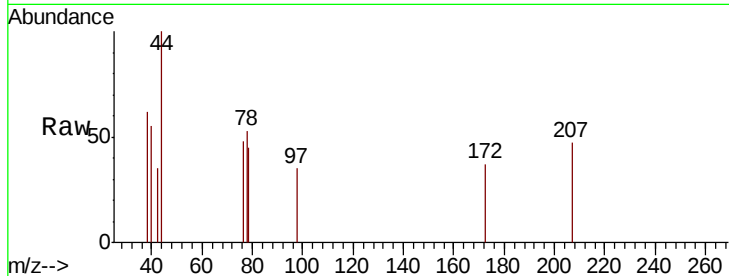
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 47.4 71.0#

99 0.0 53.2 79.8#

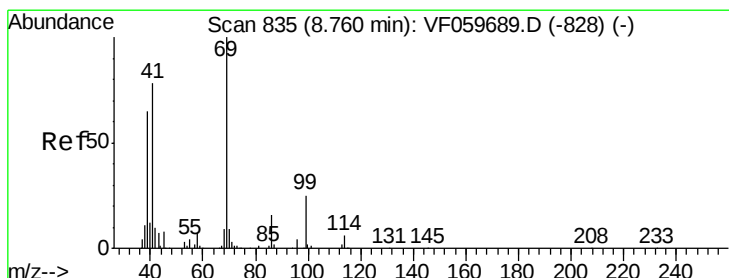
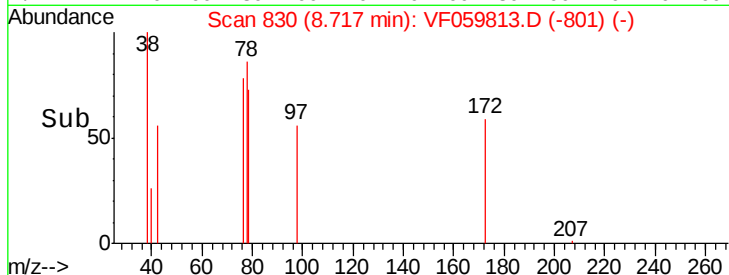
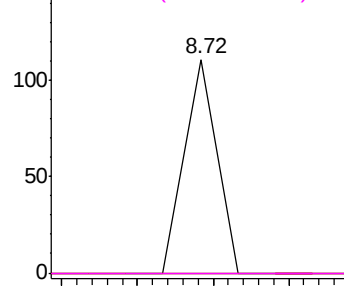


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 164.69 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.11 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

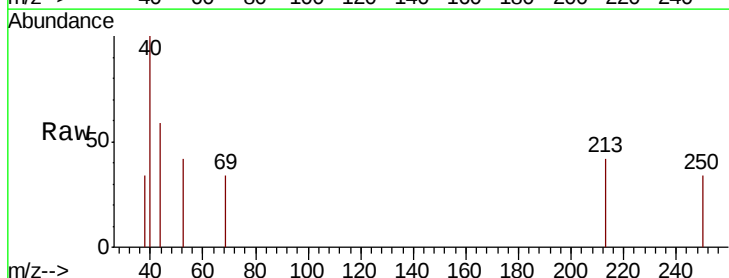
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

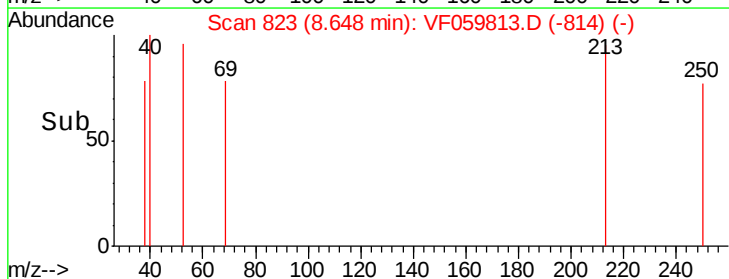
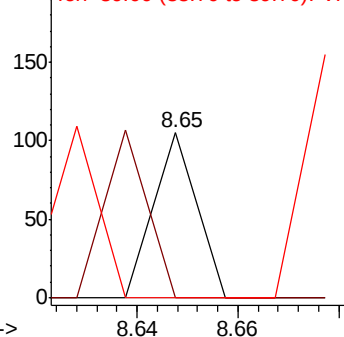
39 0.0 52.4 78.6#

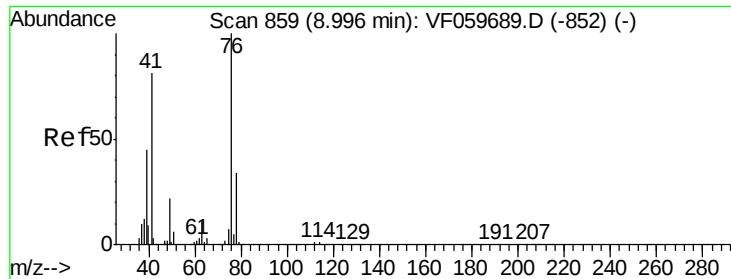


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 101.73 ug/l

RT: 8.89 min Scan# 848

Delta R.T. -0.10 min

Lab File: VF059813.D

Acq: 2 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

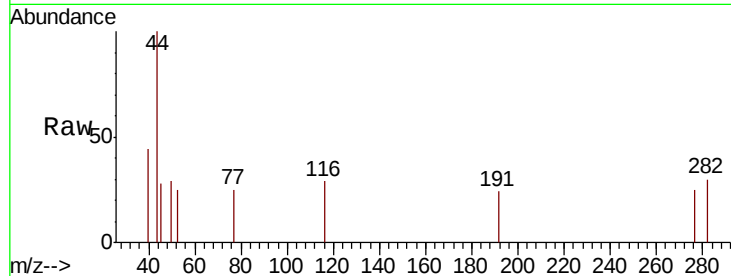
SB-2(3-5)

Tot Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 0.0 27.2 40.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.89

120

100

80

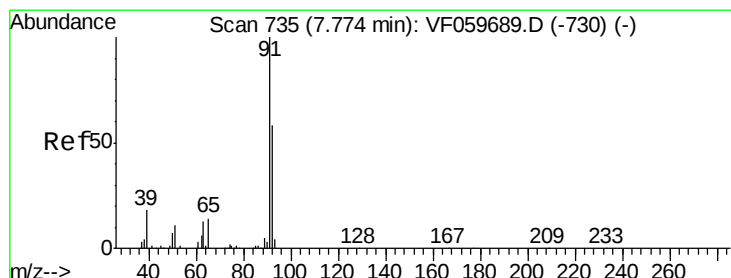
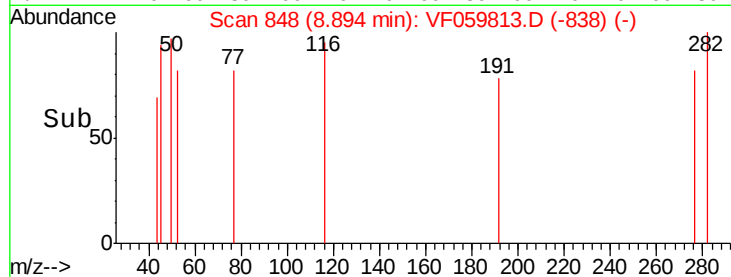
60

40

20

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1426.44 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.07 min

Lab File: VF059813.D

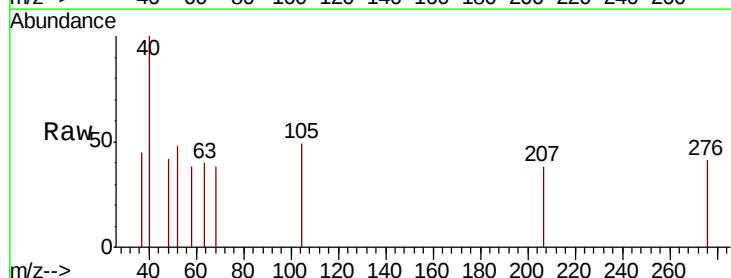
Acq: 2 Aug 2018 21:03

Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.70

120

100

80

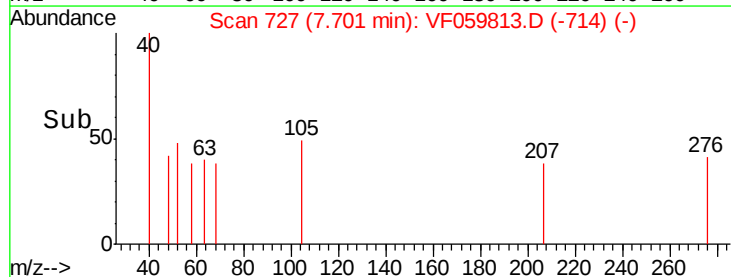
60

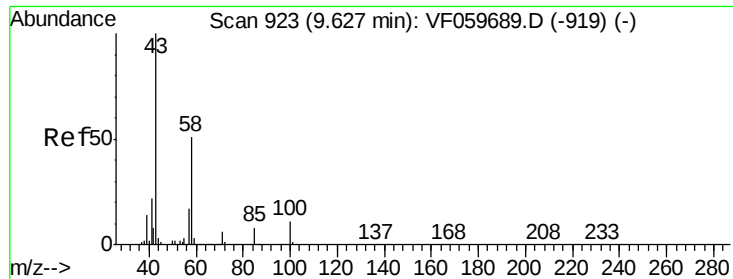
40

20

0

Time-->

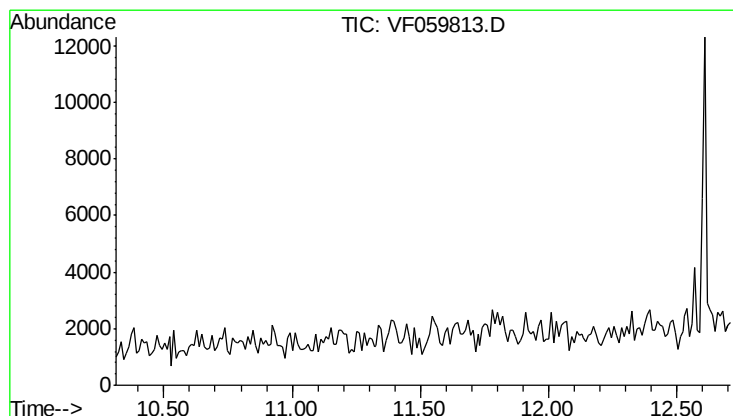
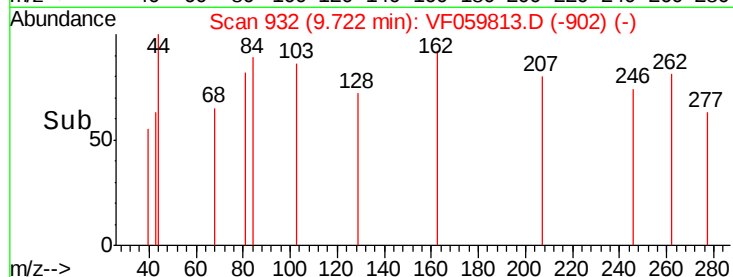
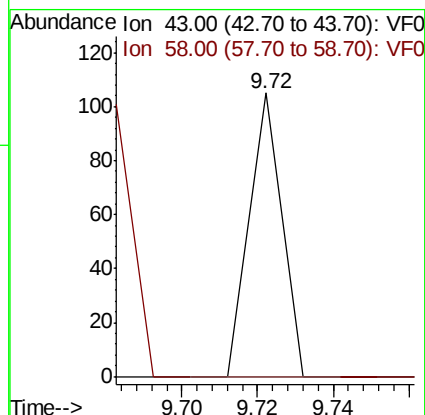
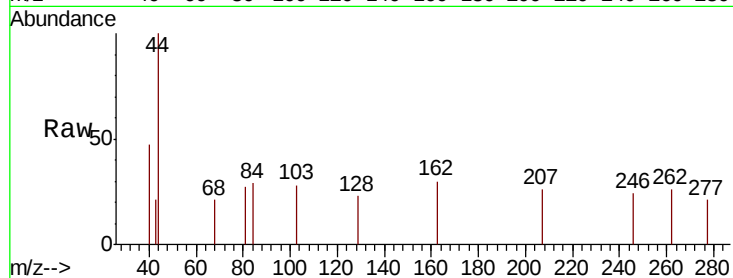




#59
2-Hexanone
Concen: 257.72 ug/l
RT: 9.72 min Scan# 932
Delta R.T. 0.09 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

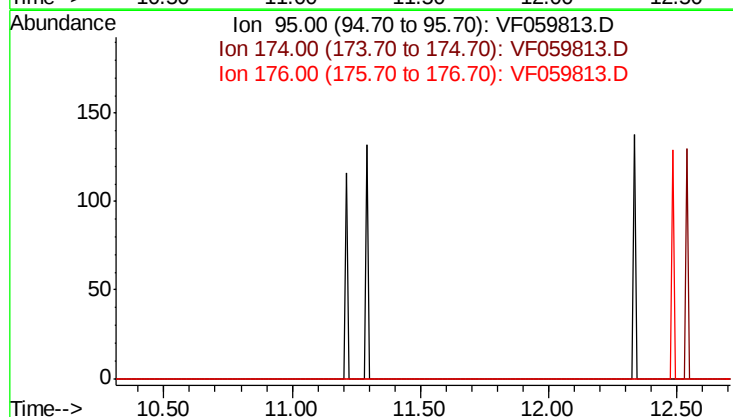
Instrument :
MSVOA_F
ClientSampleId :
SB-2(3-5)

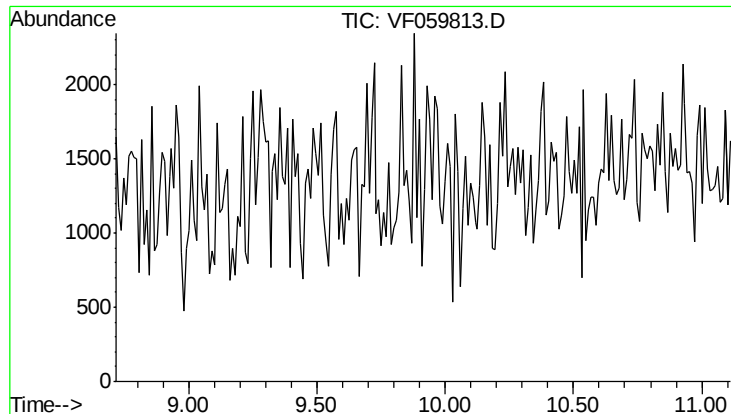
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 11.51 min
Lab File: VF059813.D
Acq: 2 Aug 2018 21:03

Tgt Ion: 95
Sig Exp Ratio
95 100
174 89.2
176 86.5

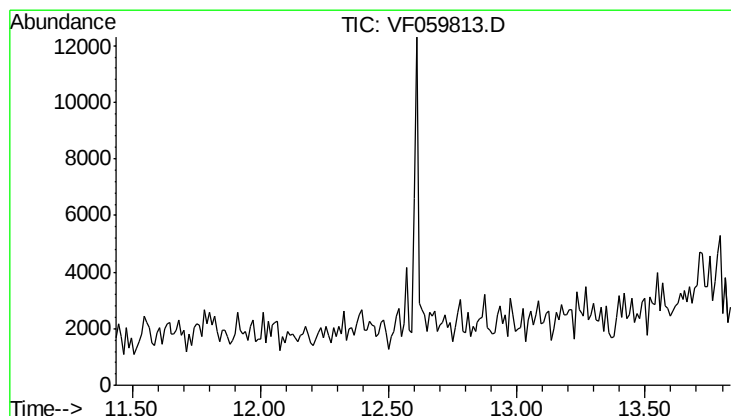
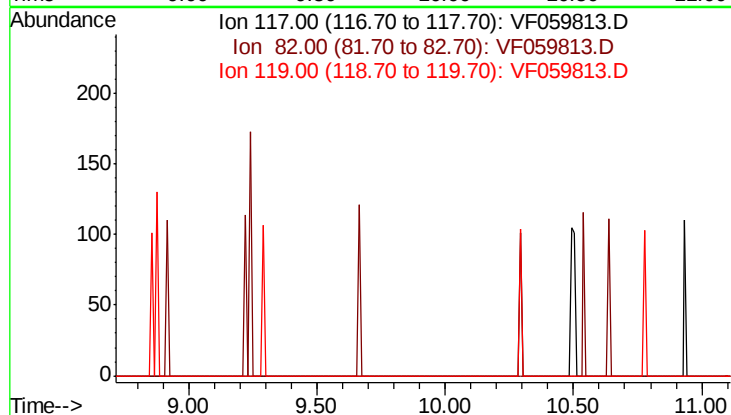




#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 9.91 min
 Lab File: VF059813.D
 Acq: 2 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2(3-5)

Tot Ion	117
Sig	Exp Ratio
117	100
82	61.2
119	34.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ug/l
 Expected RT: 12.63 min
 Lab File: VF059813.D
 Acq: 2 Aug 2018 21:03

Tgt Ion	152
Sig	Exp Ratio
152	100
115	56.4
150	158.1

