

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059803.D
 Acq On : 2 Aug 2018 16:26
 Operator : VA/AP
 Sample : J4231-07RE
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-4RE

Quant Time: Aug 02 16:43:20 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	5.73	114	62	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.83	117	60	50.00	ug/l	-0.09
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	60	0.00	ug/l	-0.02
Spiked Amount			Recovery	=	0.00%	
35) Dibromofluoromethane	4.35	113	60	93.17	ug/l	0.07
Spiked Amount			Recovery	=	186.34%	
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%	

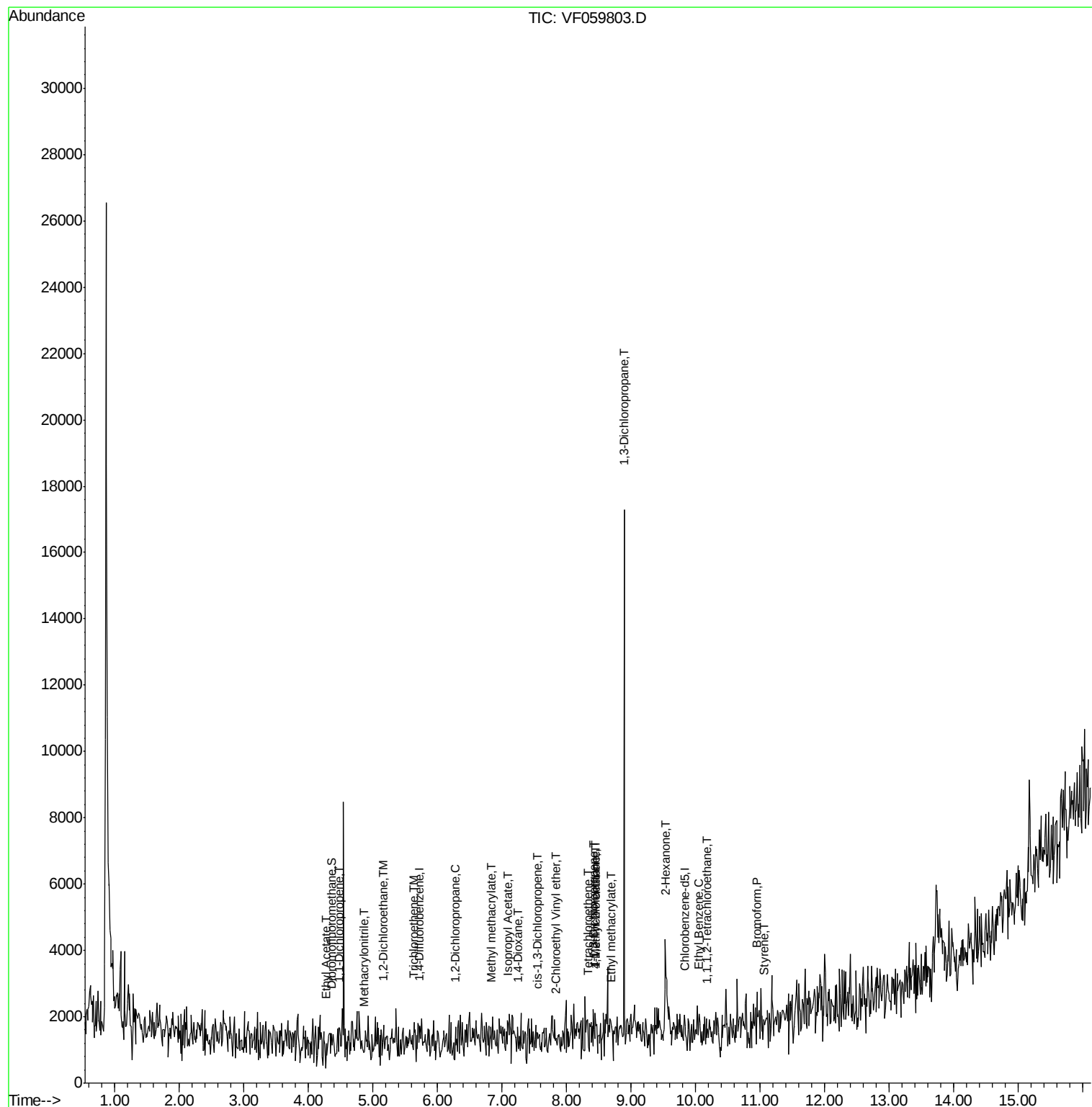
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.47	75	107	180.81	ug/l #	46
37) Ethyl Acetate	4.29	43	92	322.62	ug/l #	19
41) Methacrylonitrile	4.86	41	171	1157.84	ug/l #	24
42) 1,2-Dichloroethane	5.16	62	61	69.61	ug/l	85
43) Isopropyl Acetate	7.10	43	253	682.44	ug/l #	46
44) Trichloroethene	5.64	130	61	156.46	ug/l	2
45) 1,2-Dichloropropane	6.28	63	119	359.89	ug/l #	43
48) Methyl methacrylate	6.83	41	165	591.71	ug/l #	39
49) 1,4-Dioxane	7.23	88	70	13890.50	ug/l #	21
51) 4-Methyl-2-Pentanone	8.45	43	148	524.80	ug/l #	42
53) t-1,3-Dichloropropene	8.42	75	67	90.32	ug/l #	41
54) cis-1,3-Dichloropropene	7.56	75	83	115.52	ug/l #	18
55) 1,1,2-Trichloroethane	8.45	97	63	185.79	ug/l #	42
56) Ethyl methacrylate	8.70	69	80	226.22	ug/l #	89
57) 1,3-Dichloropropane	8.89	76	78	134.08	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.83	63	86	2106.26	ug/l	100
59) 2-Hexanone	9.52	43	90	398.24	ug/l #	30
64) Tetrachloroethene	8.33	164	76	200.98	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.19	131	64	114.21	ug/l #	9
67) Ethyl Benzene	10.05	91	86	41.41	ug/l #	46
70) Styrene	11.05	104	65	56.07	ug/l #	26
71) Bromoform	10.95	173	83	227.31	ug/l #	30

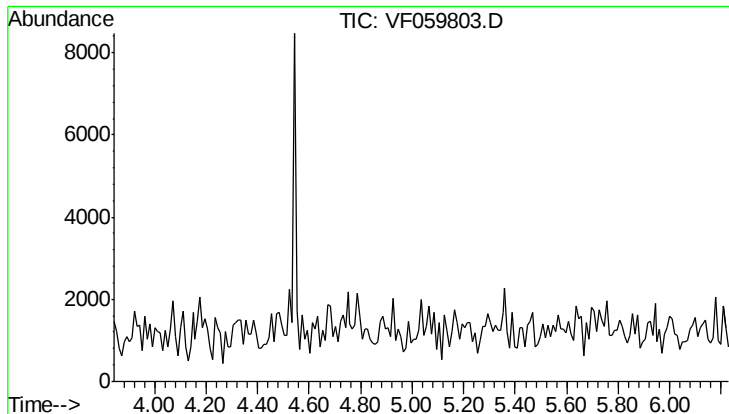
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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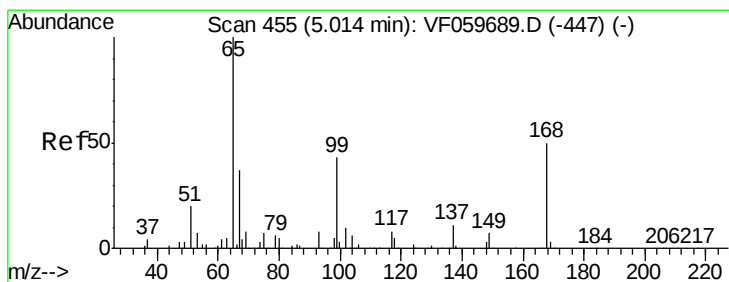
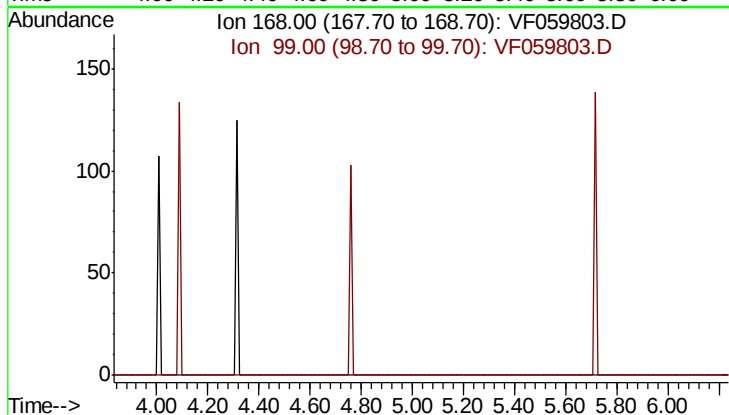




#1
 Pentafluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 5.03 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

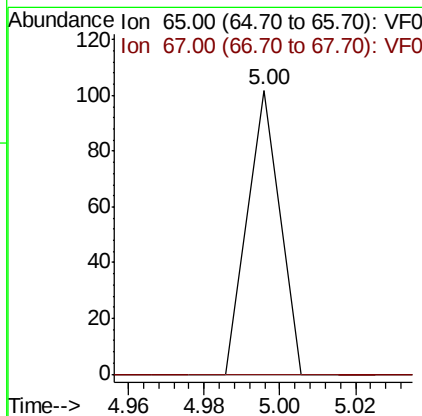
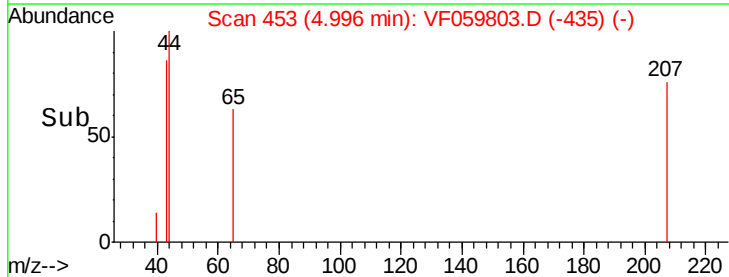
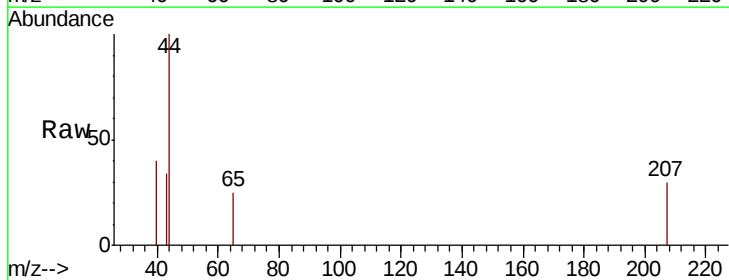
Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-4RE

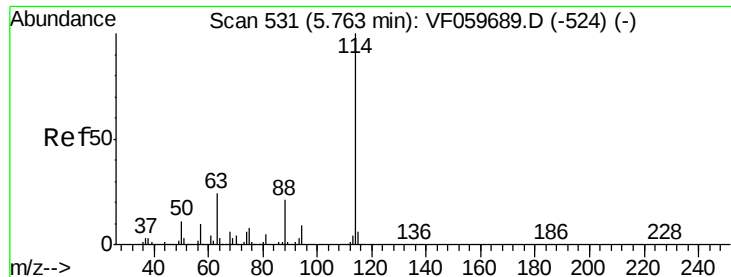
Tot Ion: 168
 Sig Exp Ratio
 168 100
 99 79.1



#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

Tgt Ion: 65 Resp: 60
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 84.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.73 min Scan# 528

Delta R.T. -0.03 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

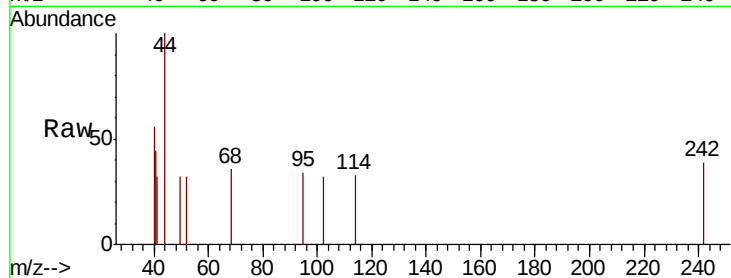
Tot Ion:114 Resp: 62

Ion Ratio Lower Upper

114 100

63 0.0 0.0 47.4

88 0.0 0.0 41.2



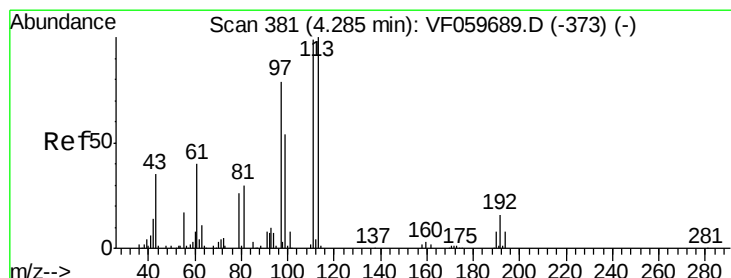
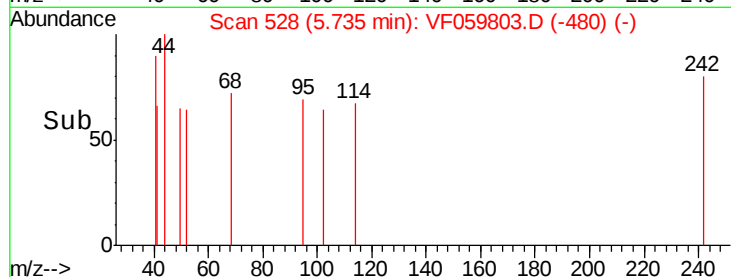
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.73

Time-->



#35

Dibromofluoromethane

Concen: 93.17 ug/l

RT: 4.35 min Scan# 388

Delta R.T. 0.07 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

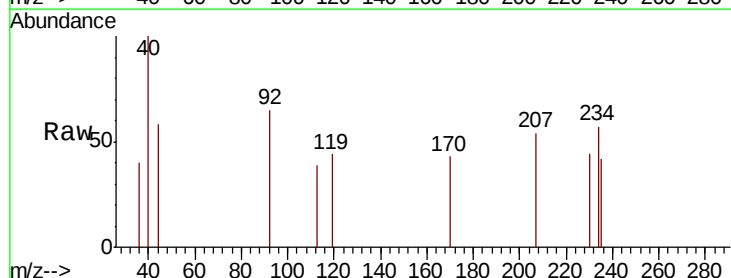
Tgt Ion:113 Resp: 60

Ion Ratio Lower Upper

113 100

111 0.0 79.0 118.4#

192 0.0 13.2 19.8#



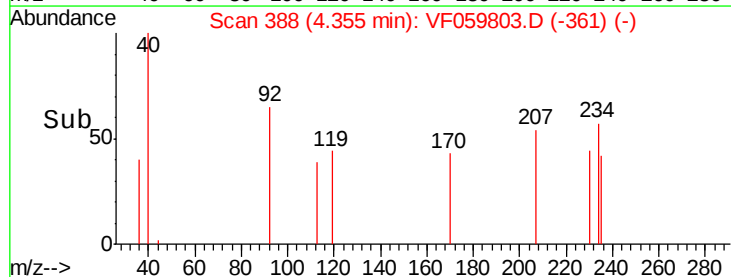
Abundance Ion 113.00 (112.70 to 113.70): V

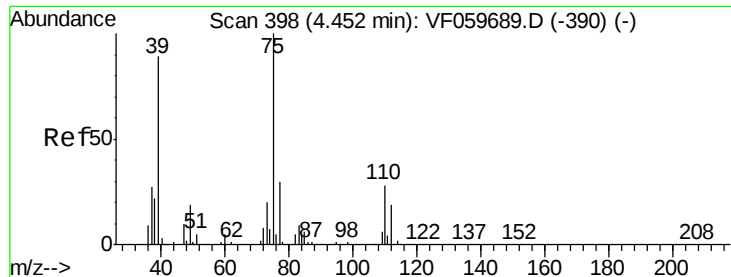
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.35

Time-->





#36

1,1-Dichloropropene

Concen: 180.81 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.02 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

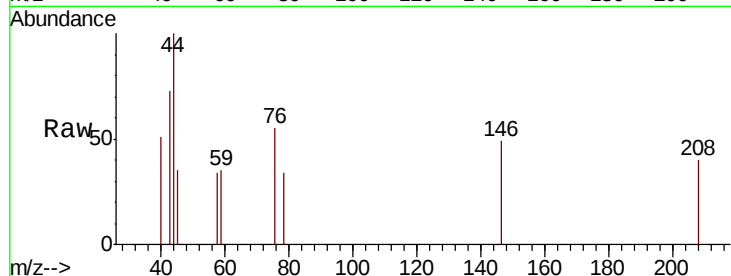
Tot Ion: 75 Resp: 107

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

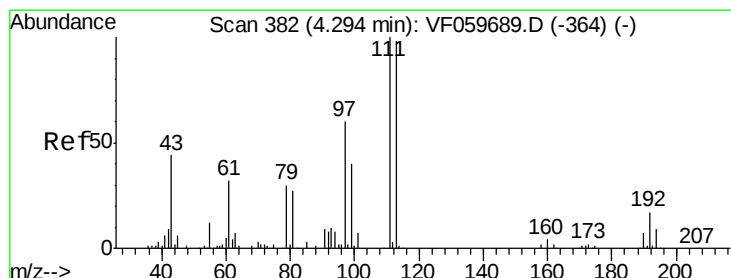
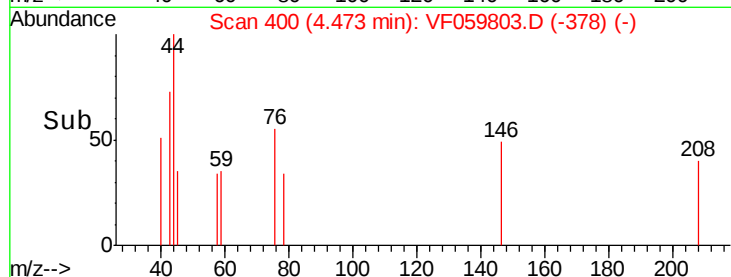
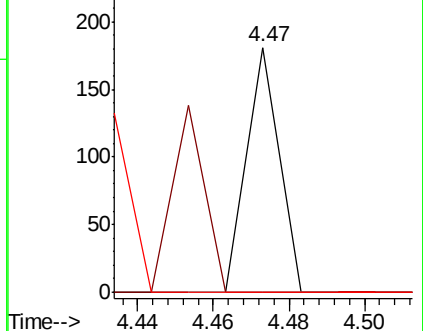
77 0.0 24.2 36.2#



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: 322.62 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

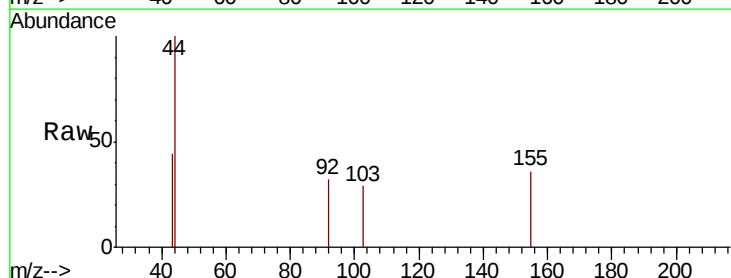
Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

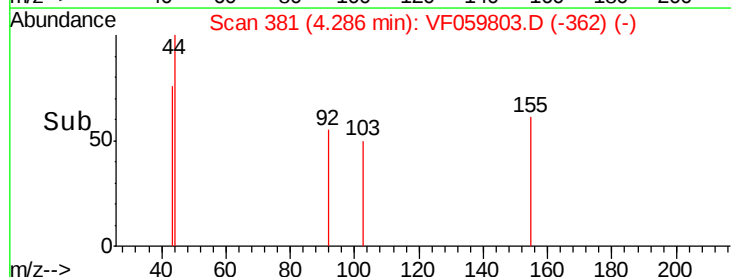
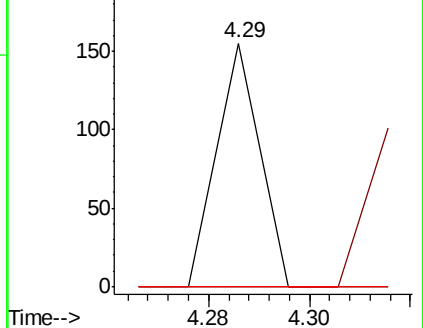
70 0.0 6.0 9.0#

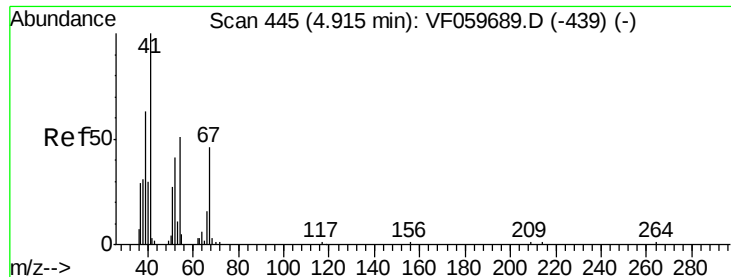


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

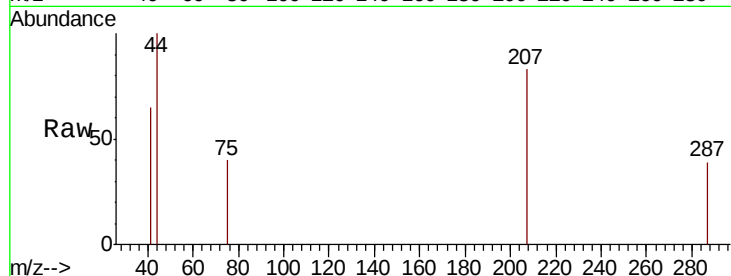




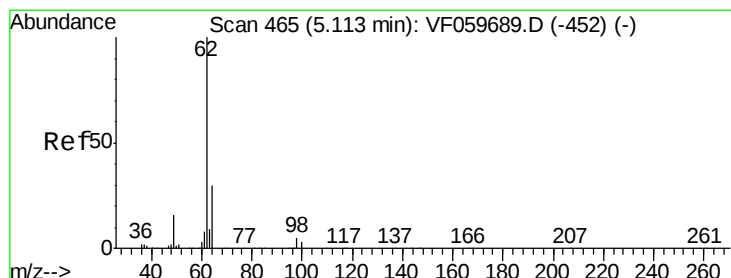
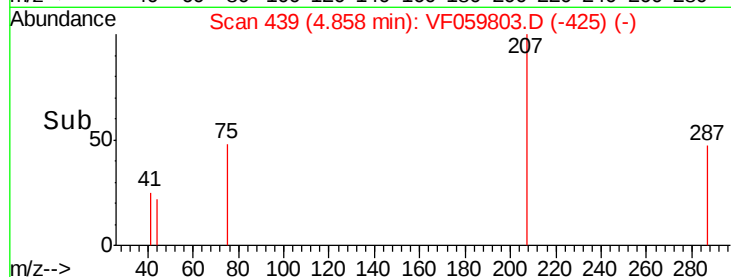
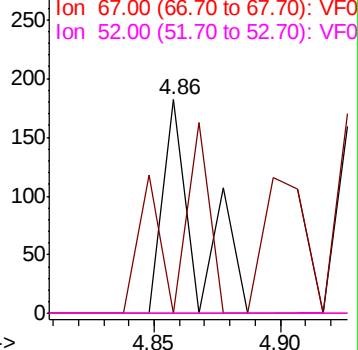
#41
Methacrylonitrile
Concen: 1157.84 ug/l
RT: 4.86 min Scan# 439
Delta R.T. -0.06 min
Lab File: VF059803.D
Acq: 2 Aug 2018 16:26

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MSVOA_F
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2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion:	41	Resp:	171
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#

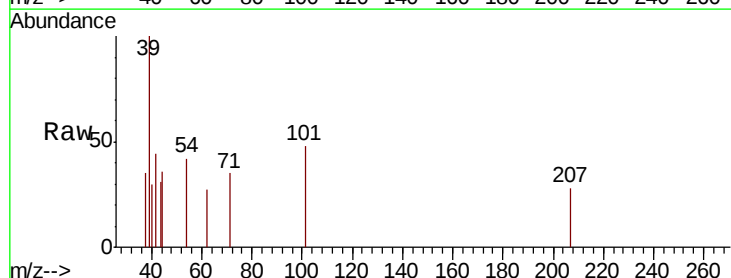


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

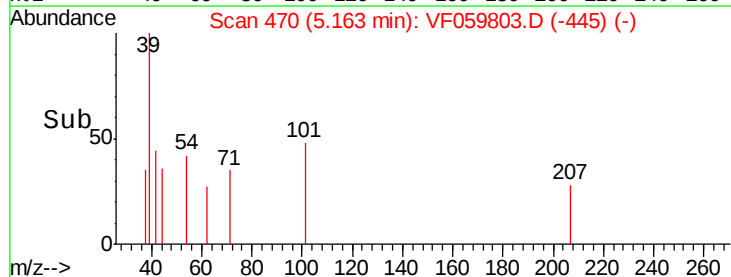
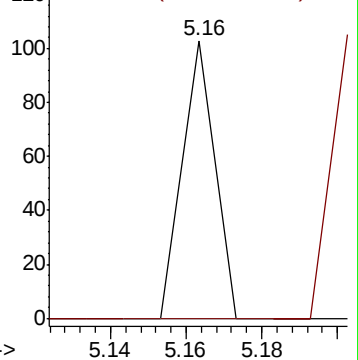


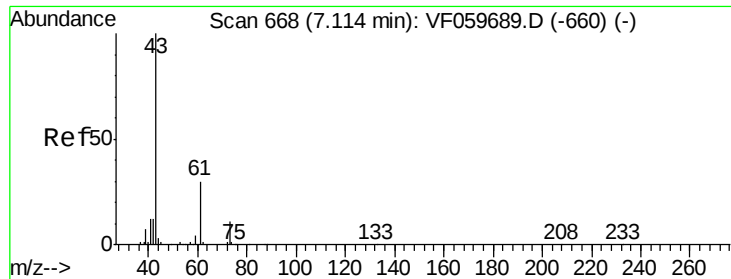
#42
1,2-Dichloroethane
Concen: 69.61 ug/l
RT: 5.16 min Scan# 470
Delta R.T. 0.05 min
Lab File: VF059803.D
Acq: 2 Aug 2018 16:26

Tgt Ion:	62	Resp:	61
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



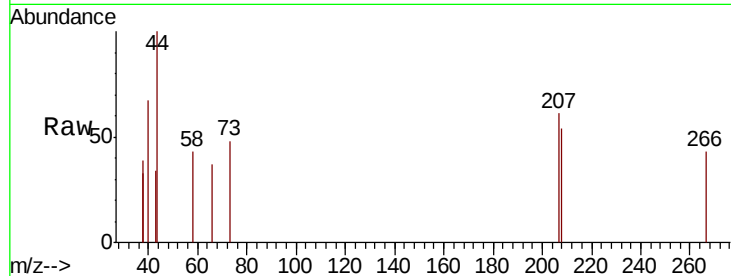


#43

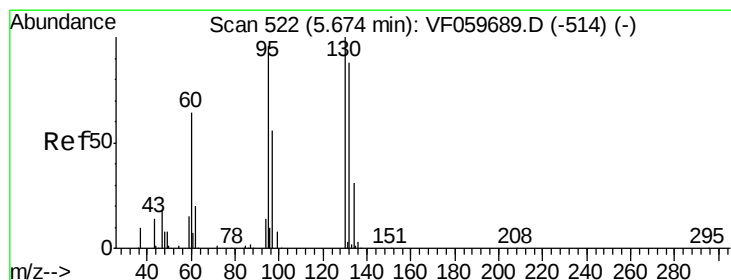
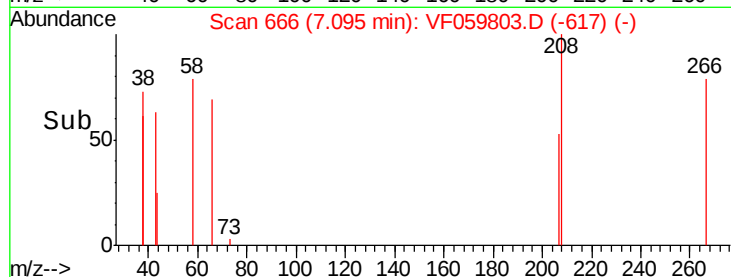
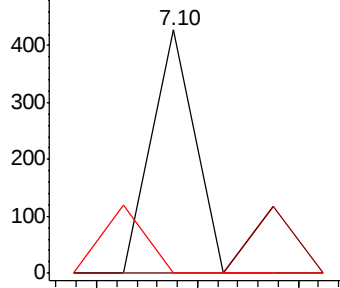
Isopropyl Acetate
 Concen: 682.44 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

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Tot Ion: 43 Resp: 253
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.8 35.8#
 87 0.0 0.6 1.0#



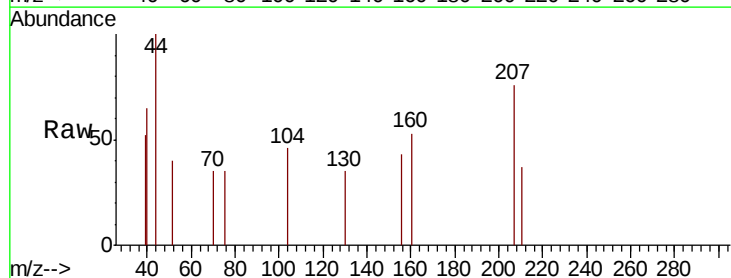
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



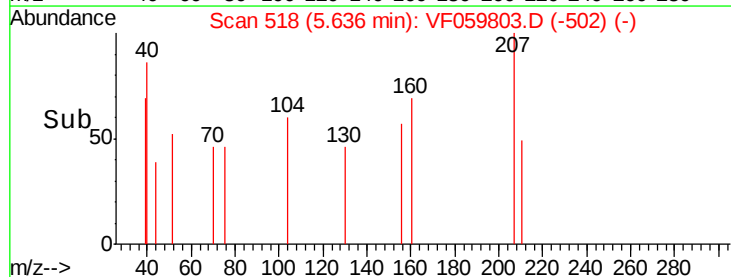
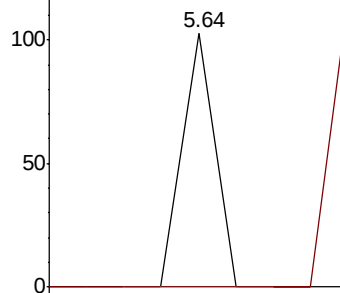
#44

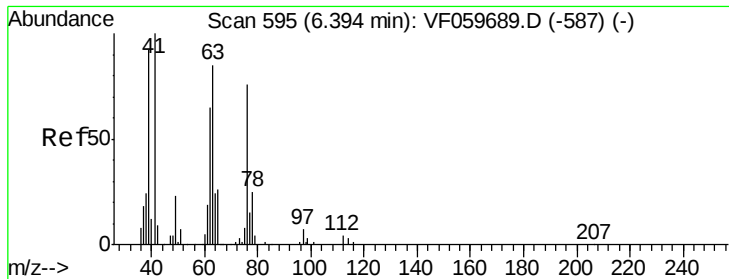
Trichloroethene
 Concen: 156.46 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. -0.04 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

Tgt Ion: 130 Resp: 61
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 359.89 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.12 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

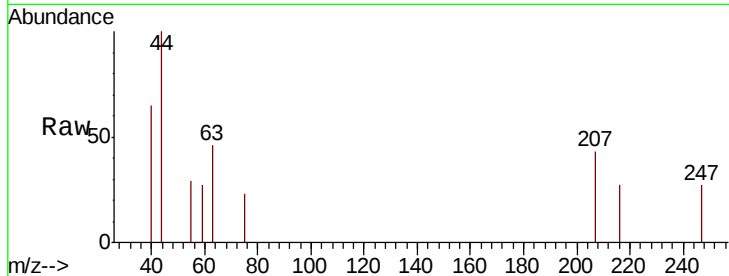
2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion: 63 Resp: 119

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

6.28

200

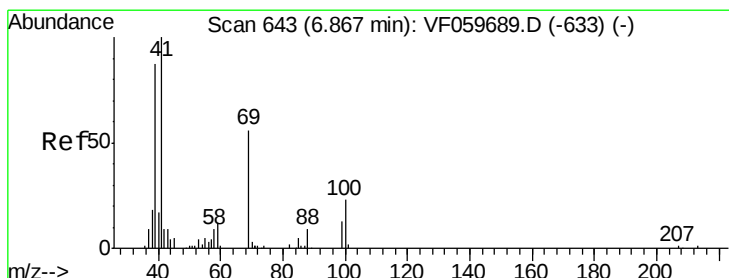
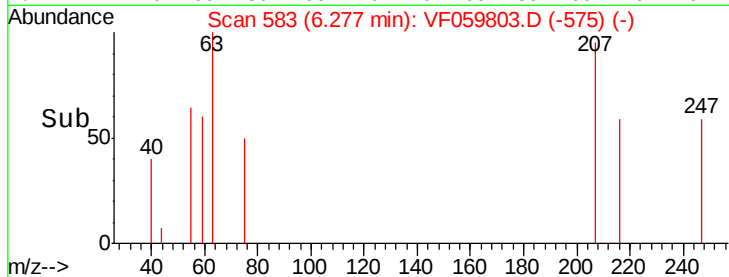
150

100

50

0

Time-->



#48

Methyl methacrylate

Concen: 591.71 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.04 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

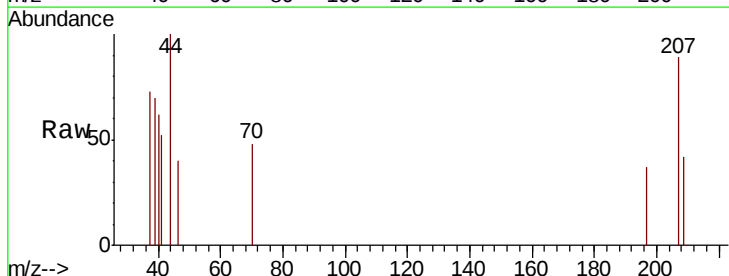
Tgt Ion: 41 Resp: 165

Ion Ratio Lower Upper

41 100

69 0.0 44.4 66.6#

39 133.3 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

250

200

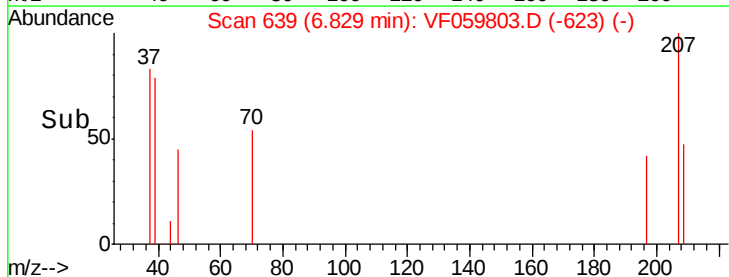
150

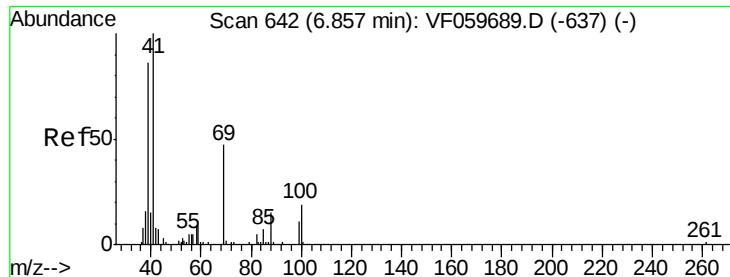
100

50

0

Time-->

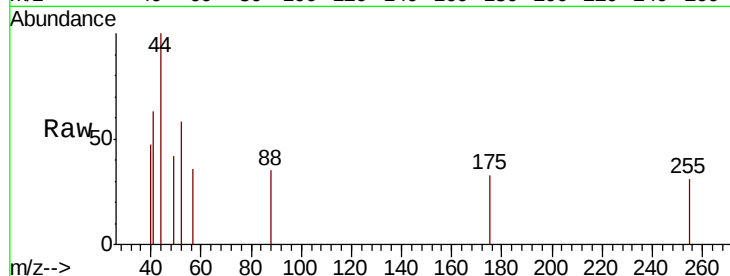




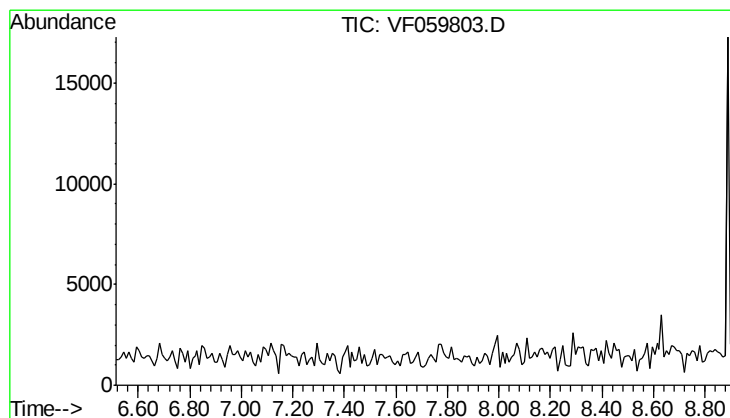
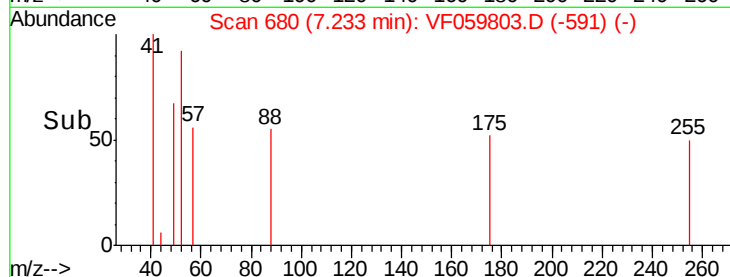
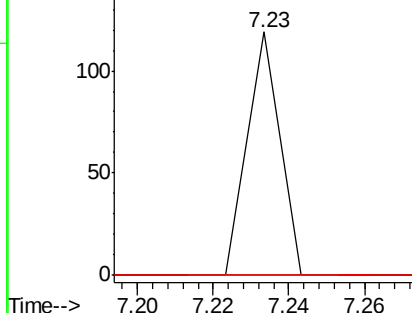
#49
1,4-Dioxane
Concen: 13890.50 ug/l
RT: 7.23 min Scan# 680
Delta R.T. 0.38 min
Lab File: VF059803.D
Acq: 2 Aug 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 45.2 67.8#
58 0.0 49.0 73.6#

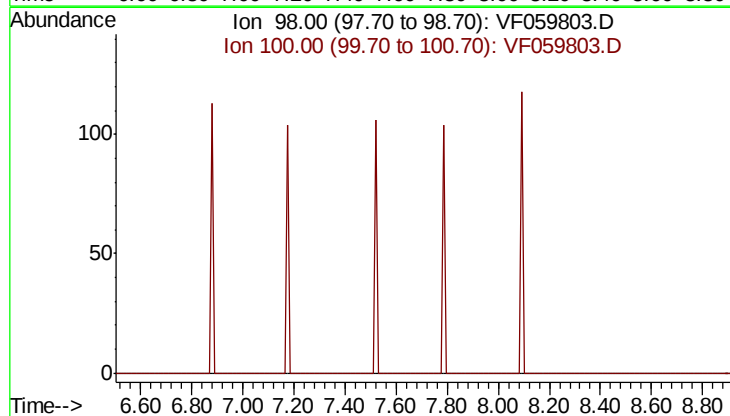


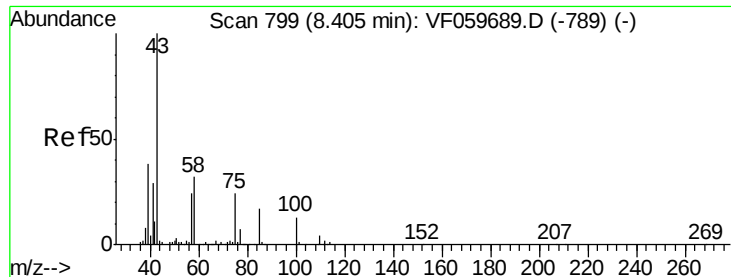
Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.71 min
Lab File: VF059803.D
Acq: 2 Aug 2018 16:26

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.0





#51

4-Methyl-2-Pentanone

Concen: 524.80 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.04 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

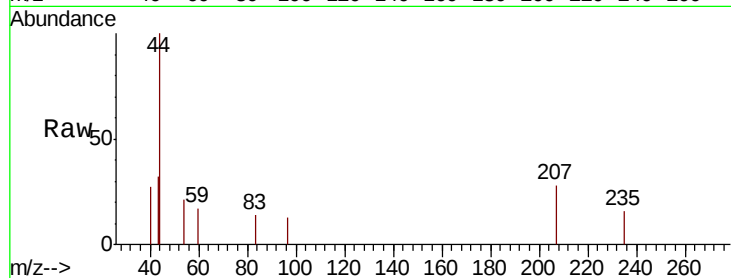
2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion: 43 Resp: 148

Ion Ratio Lower Upper

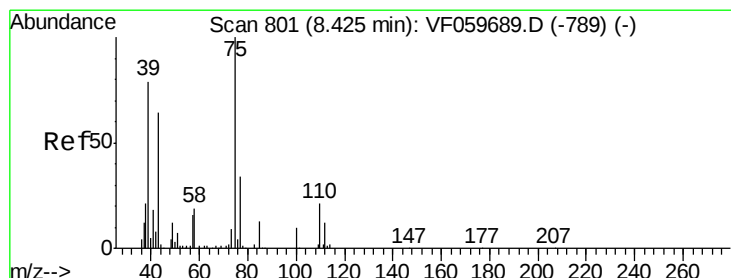
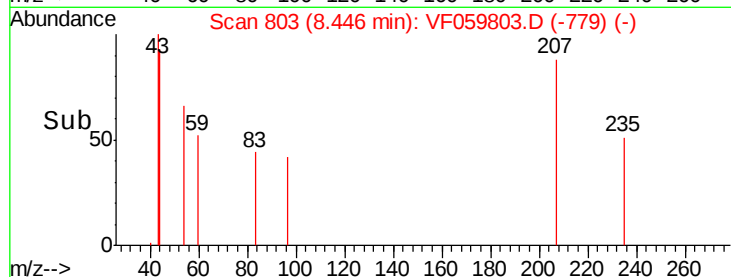
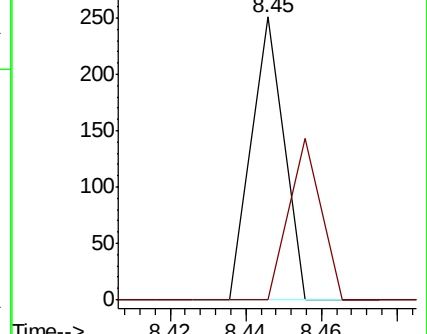
43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 90.32 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059803.D

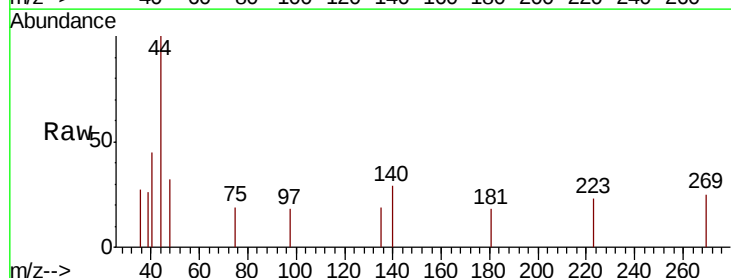
Acq: 2 Aug 2018 16:26

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

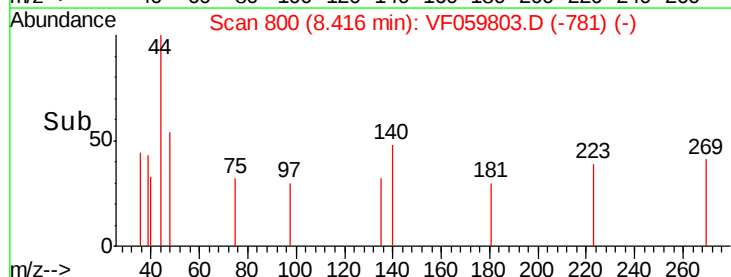
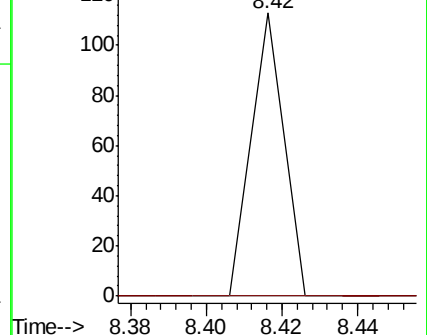
75 100

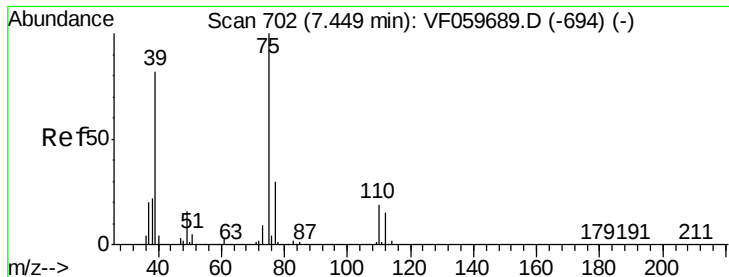
77 0.0 27.0 40.4#



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: 115.52 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.11 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

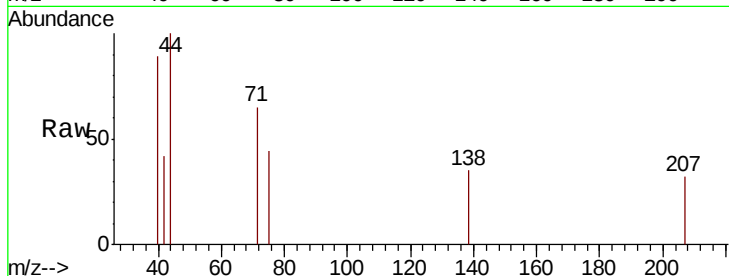
Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

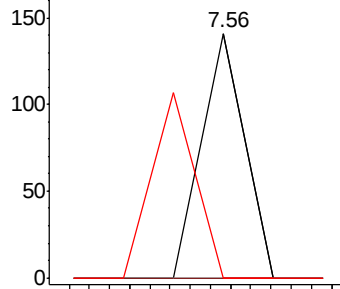
39 0.0 65.4 98.2#



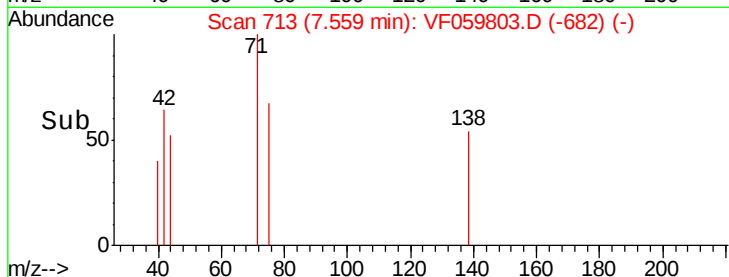
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#55

1,1,2-Trichloroethane

Concen: 185.79 ug/l

RT: 8.45 min Scan# 803

Delta R.T. -0.19 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Tgt Ion: 97 Resp: 63

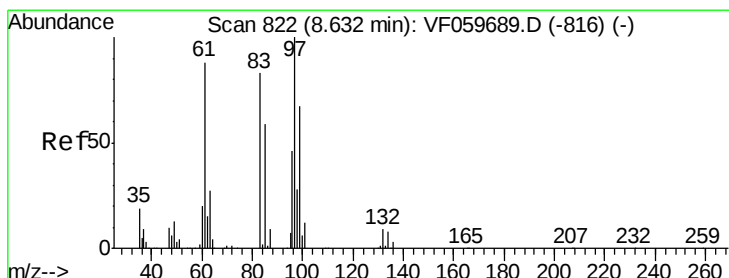
Ion Ratio Lower Upper

97 100

83 103.8 66.6 100.0#

85 0.0 47.4 71.0#

99 0.0 53.2 79.8#

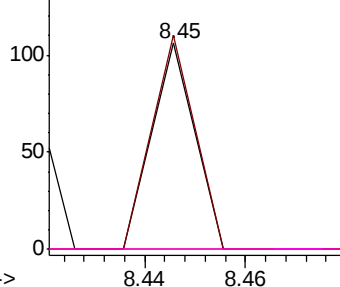


Abundance Ion 97.00 (96.70 to 97.70): VF0

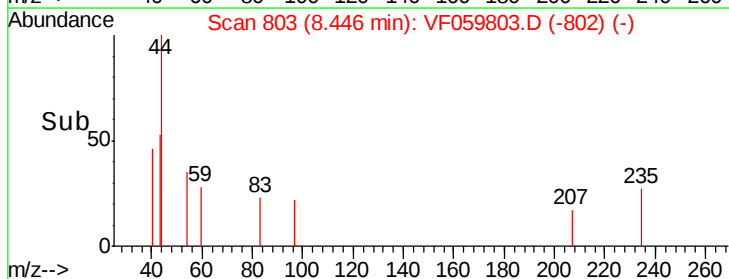
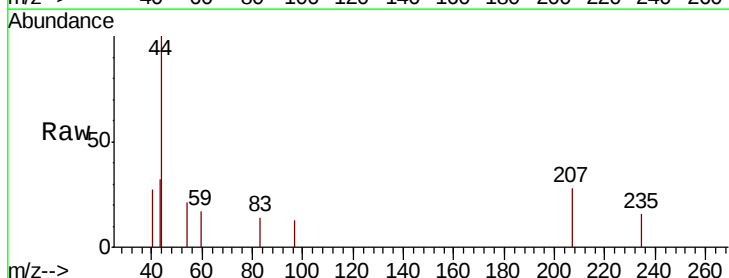
Ion 82.95 (82.65 to 83.65): VF0

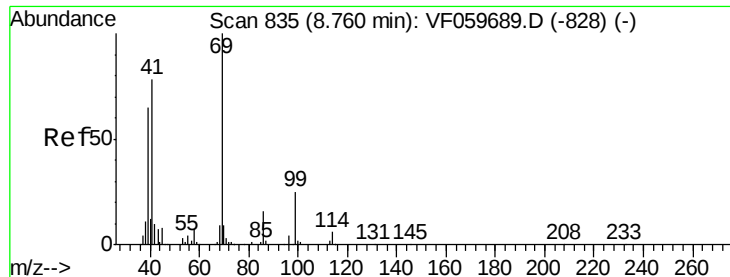
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->





#56

Ethyl methacrylate

Concen: 226.22 ug/l

RT: 8.70 min Scan# 829

Delta R.T. -0.06 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

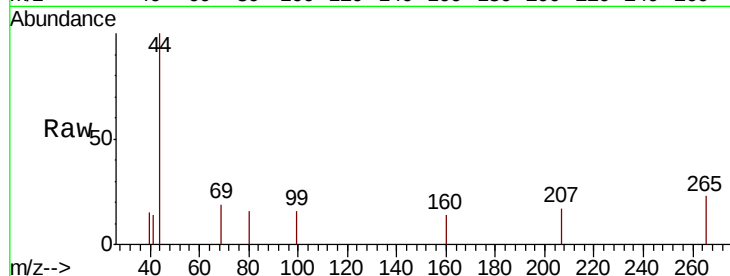
Tot Ion: 69 Resp: 80

Ion Ratio Lower Upper

69 100

41 75.6 62.3 93.5

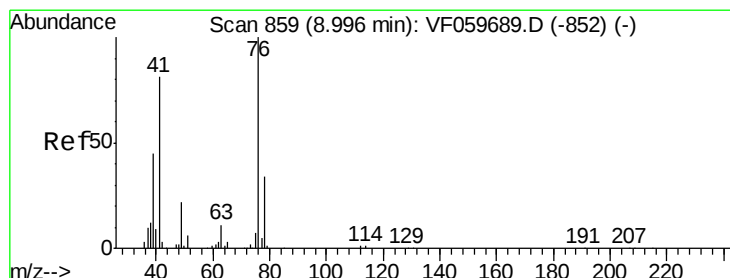
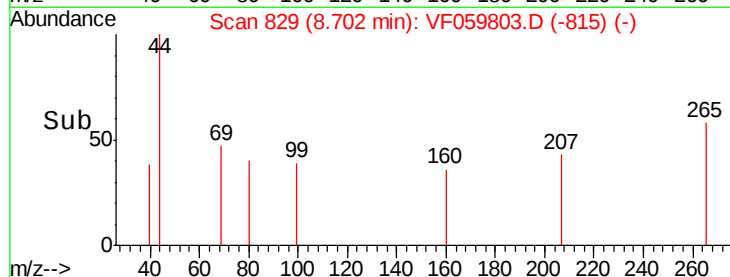
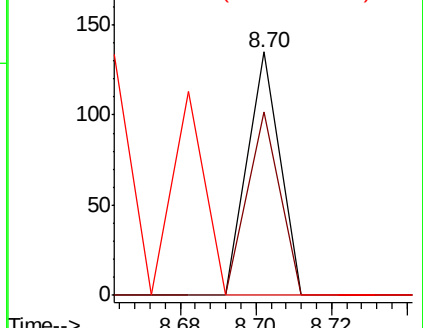
39 81.5 52.4 78.6#



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: 134.08 ug/l

RT: 8.89 min Scan# 848

Delta R.T. -0.11 min

Lab File: VF059803.D

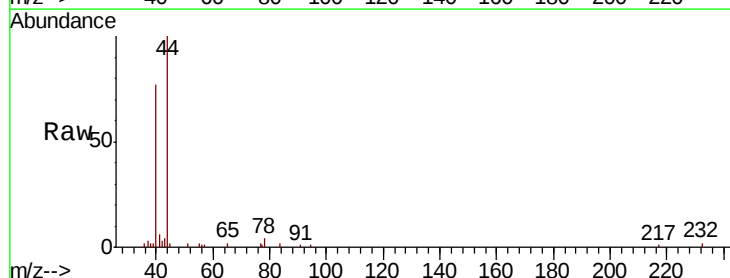
Acq: 2 Aug 2018 16:26

Tgt Ion: 76 Resp: 78

Ion Ratio Lower Upper

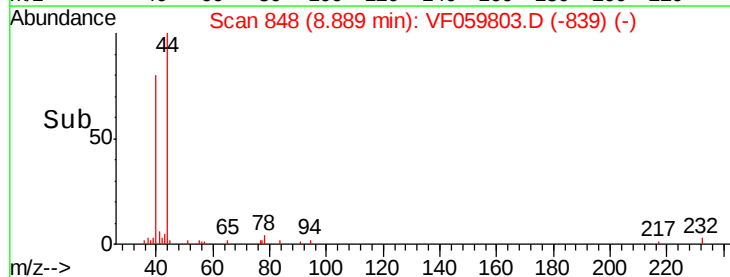
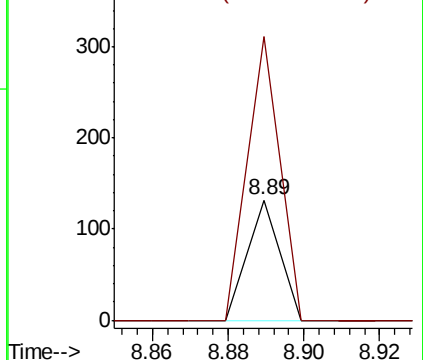
76 100

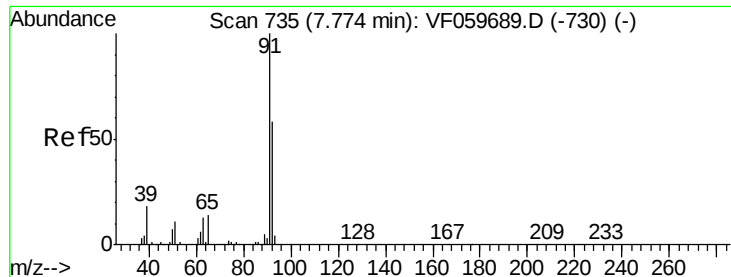
78 235.6 27.2 40.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

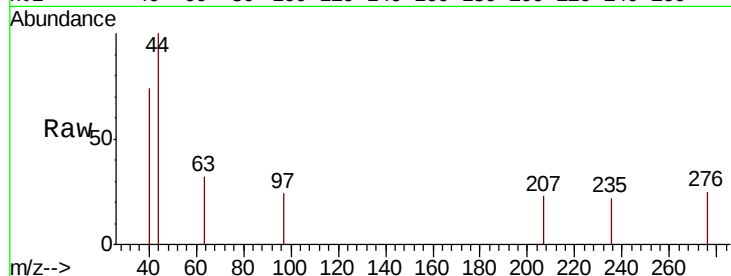




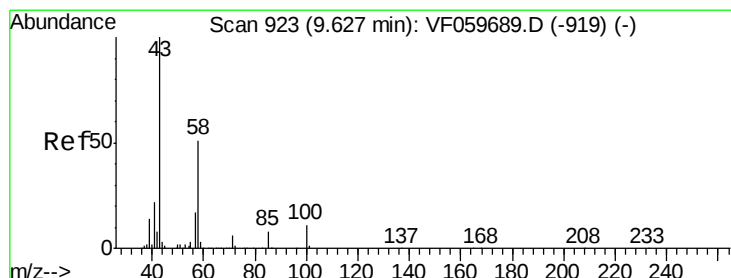
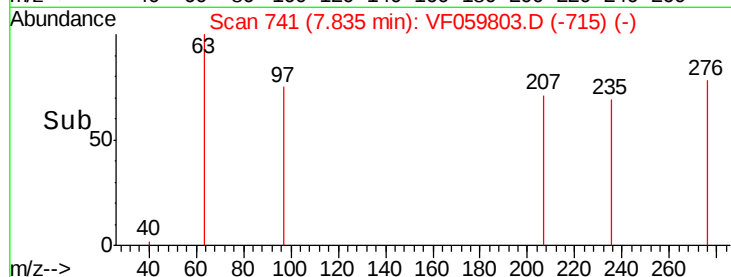
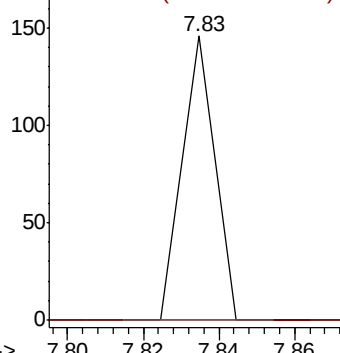
#58
 2-Chloroethyl Vinyl ether
 Concen: 2106.26 ug/l
 RT: 7.83 min Scan# 741
 Delta R.T. 0.06 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion: 63 Resp: 86
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

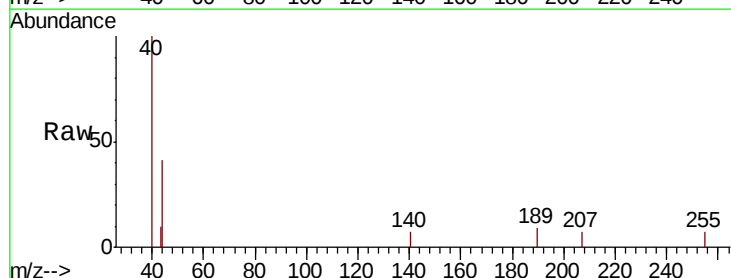


Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 106.00 (105.70 to 106.70): V

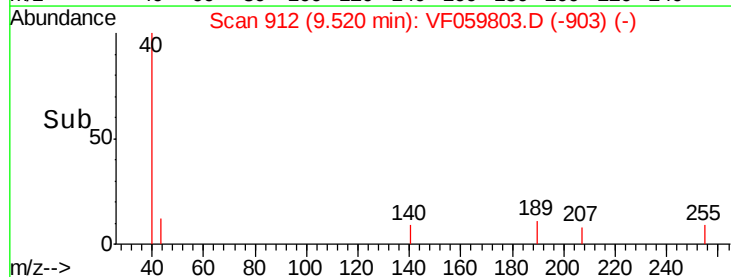
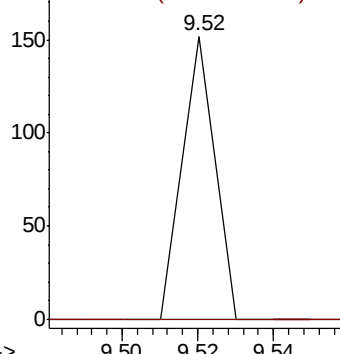


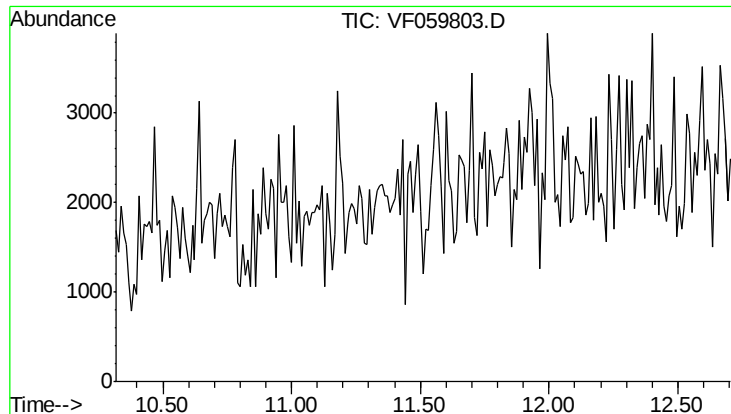
#59
 2-Hexanone
 Concen: 398.24 ug/l
 RT: 9.52 min Scan# 912
 Delta R.T. -0.11 min
 Lab File: VF059803.D
 Acq: 2 Aug 2018 16:26

Tgt Ion: 43 Resp: 90
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.8#



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





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.51 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Tot Ion: 95

Sig Exp Ratio

95 100

174 89.2

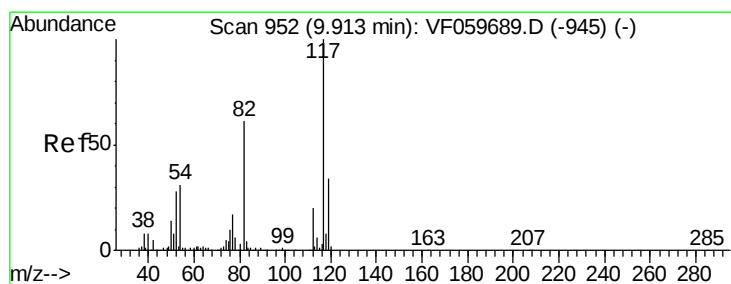
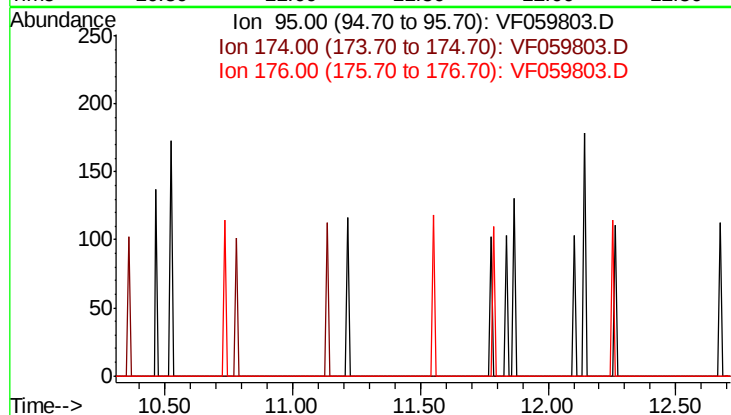
176 86.5

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.83 min Scan# 943

Delta R.T. -0.09 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

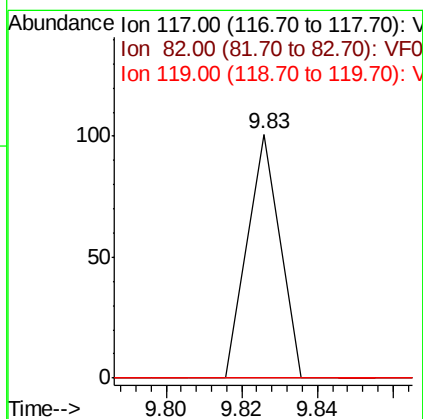
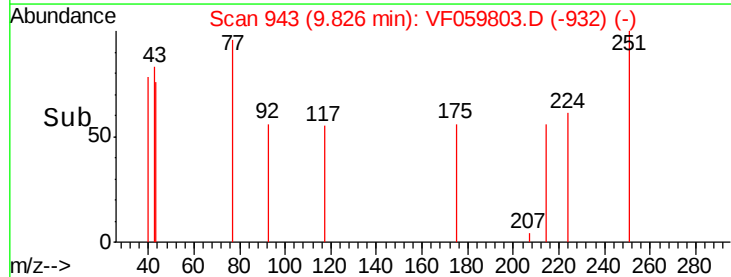
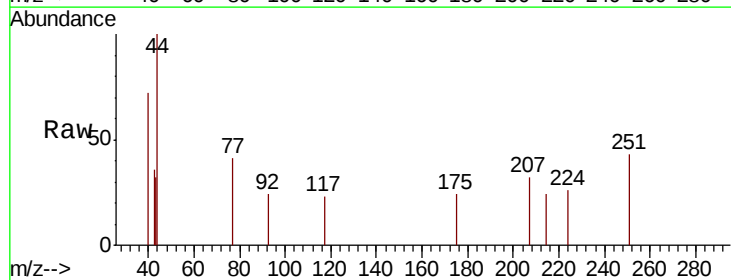
Tgt Ion:117 Resp: 60

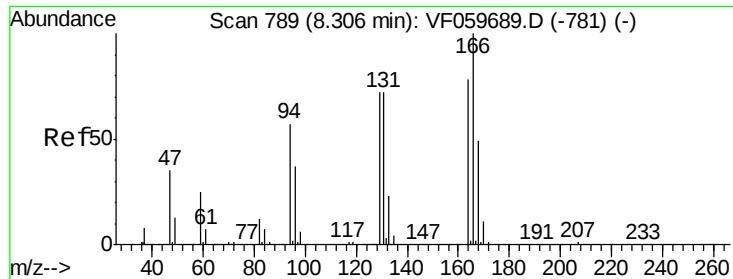
Ion Ratio Lower Upper

117 100

82 0.0 49.0 73.4#

119 0.0 27.3 40.9#





#64

Tetrachloroethene

Concen: 200.98 ug/l

RT: 8.33 min Scan# 791

Delta R.T. 0.02 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion:164 Resp: 76

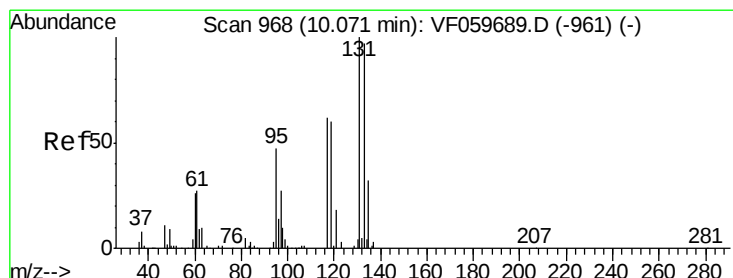
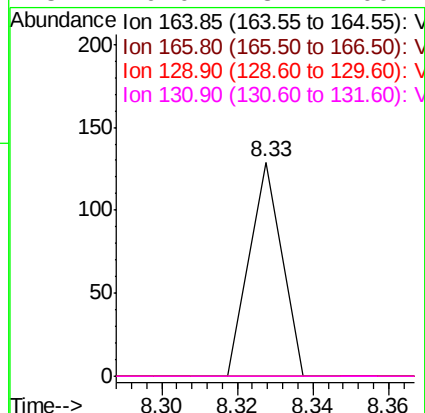
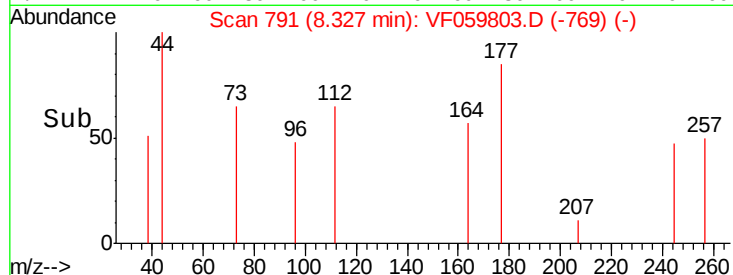
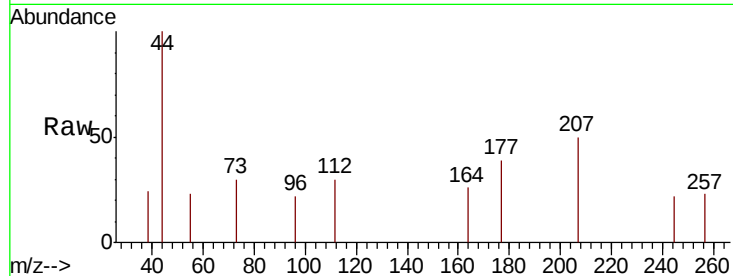
Ion Ratio Lower Upper

164 100

166 0.0 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#



#66

1,1,1,2-Tetrachloroethane

Concen: 114.21 ug/l

RT: 10.19 min Scan# 980

Delta R.T. 0.12 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

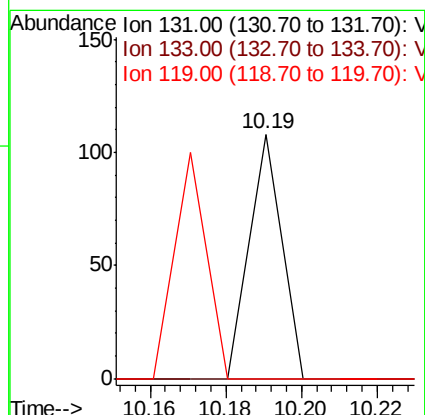
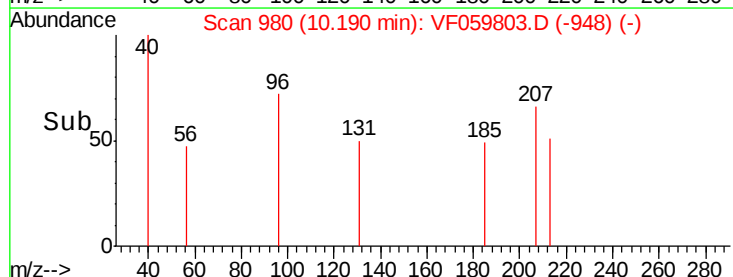
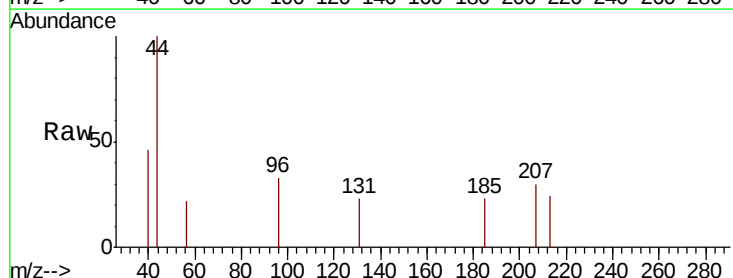
Tgt Ion:131 Resp: 64

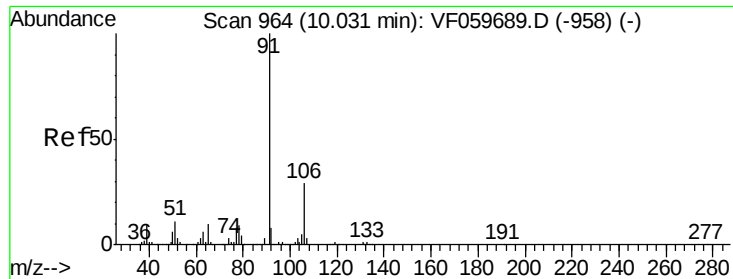
Ion Ratio Lower Upper

131 100

133 0.0 48.5 145.5#

119 0.0 30.3 90.8#





#67

Ethyl Benzene

Concen: 41.41 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

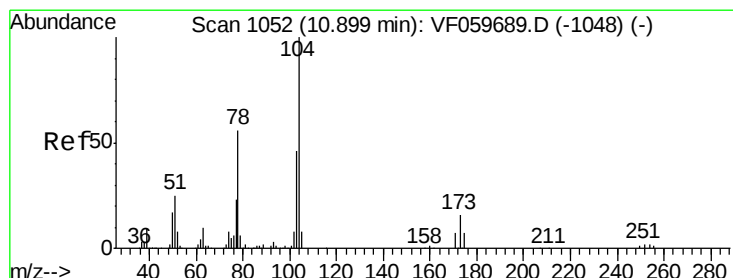
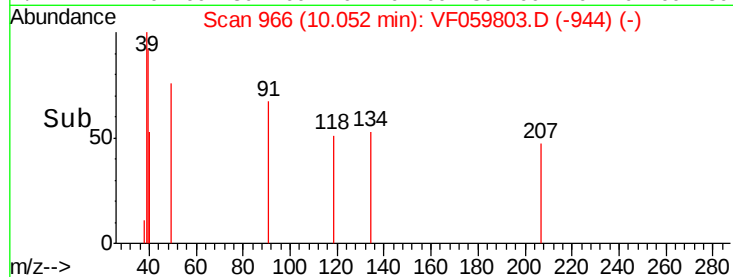
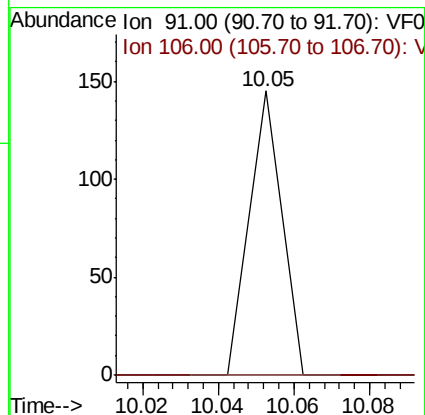
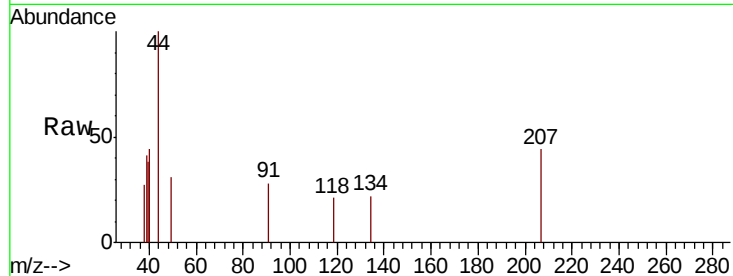
2018-NYSEG-CLARK-AREA-14-4RE

Tot Ion: 91 Resp: 86

Ion Ratio Lower Upper

91 100

106 0.0 22.9 34.3#



#70

Styrene

Concen: 56.07 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. 0.15 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

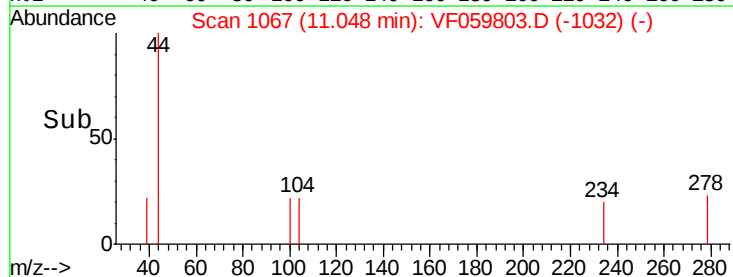
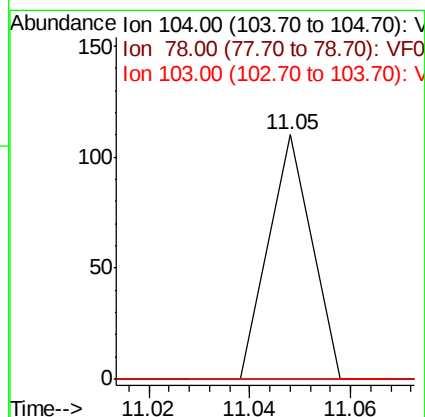
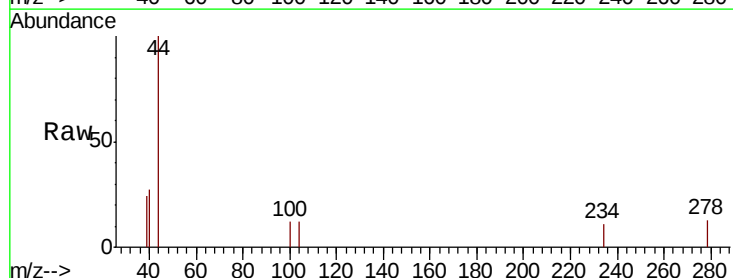
Tgt Ion: 104 Resp: 65

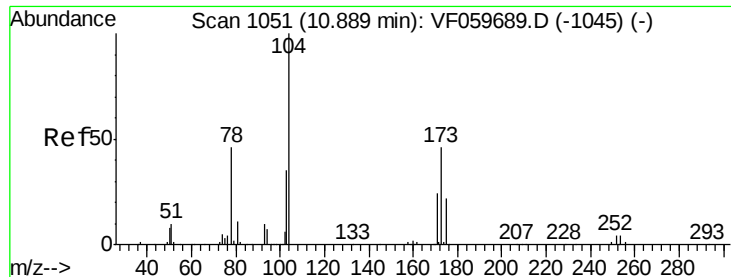
Ion Ratio Lower Upper

104 100

78 0.0 45.3 67.9#

103 0.0 36.6 54.8#





#71

Bromoform

Concen: 227.31 ug/l

RT: 10.95 min Scan# 1057

Delta R.T. 0.06 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-4RE

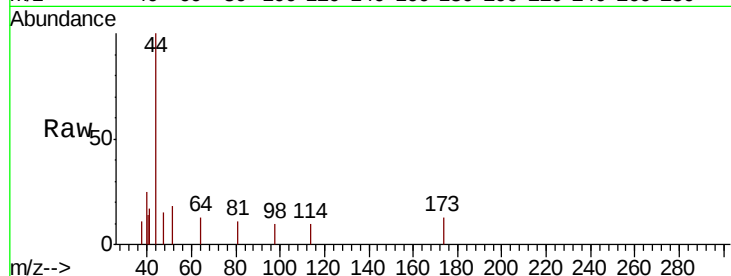
Tot Ion:173 Resp: 83

Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.0#

254 0.0 0.0 0.0

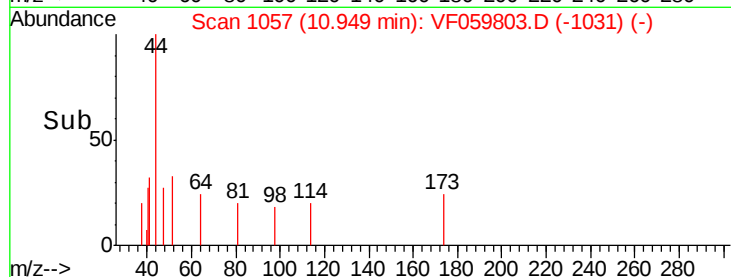
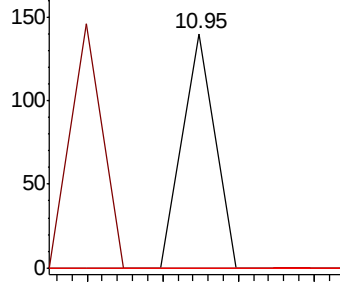


Abundance

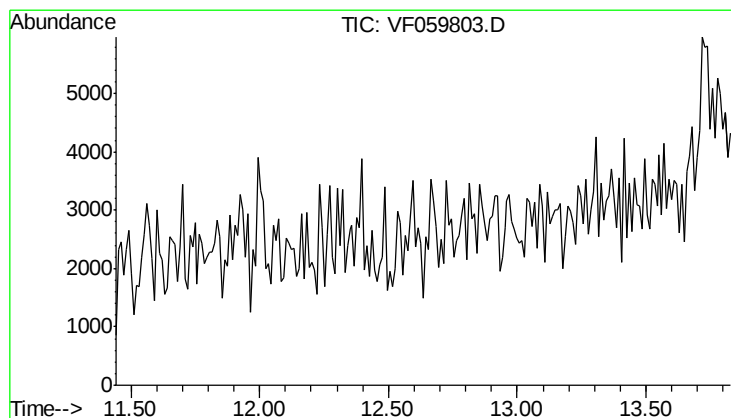
Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 0.00 ug/l

Expected RT: 12.63 min

Lab File: VF059803.D

Acq: 2 Aug 2018 16:26

Tgt Ion: 152

Sig Exp Ratio

152 100

115 56.4

150 158.1

