

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059804.D
 Acq On : 2 Aug 2018 16:53
 Operator : VA/AP
 Sample : J4231-15RE
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8RE

Quant Time: Aug 02 18:12:53 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	5.56	114	95	50.00	ug/l	-0.21
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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	68	0.00	ug/l	0.01
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	11.03	95	63	49.46	ug/l	-0.48
Spiked Amount 50.000			Recovery =	98.92%		

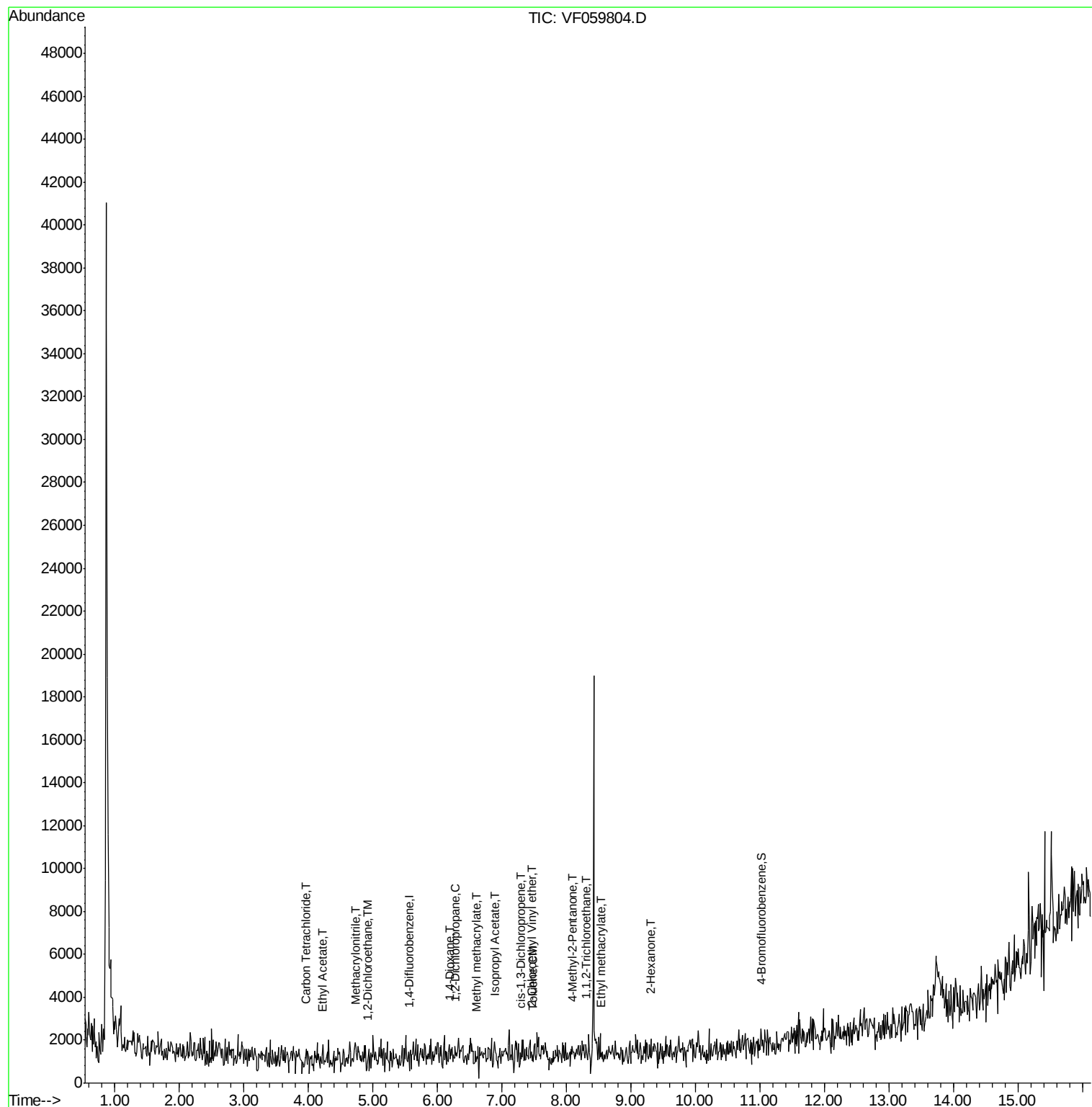
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.21	43	96	218.08	ug/l #	19
38) Carbon Tetrachloride	3.98	117	70	46.34	ug/l #	14
41) Methacrylonitrile	4.75	41	77	338.16	ug/l #	1
42) 1,2-Dichloroethane	4.91	62	91	67.78	ug/l	85
43) Isopropyl Acetate	6.90	43	82	144.35	ug/l #	46
45) 1,2-Dichloropropane	6.28	63	199	392.78	ug/l #	43
48) Methyl methacrylate	6.61	41	111	259.79	ug/l #	13
49) 1,4-Dioxane	6.20	88	77	11439.97	ug/l #	21
51) 4-Methyl-2-Pentanone	8.10	43	73	168.93	ug/l #	42
52) Toluene	7.48	92	64	50.11	ug/l #	1
54) cis-1,3-Dichloropropene	7.29	75	104	94.47	ug/l #	49
55) 1,1,2-Trichloroethane	8.30	97	64	123.17	ug/l #	14
56) Ethyl methacrylate	8.54	69	83	153.17	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.46	63	66	1054.93	ug/l	100
59) 2-Hexanone	9.30	43	161	464.94	ug/l #	30

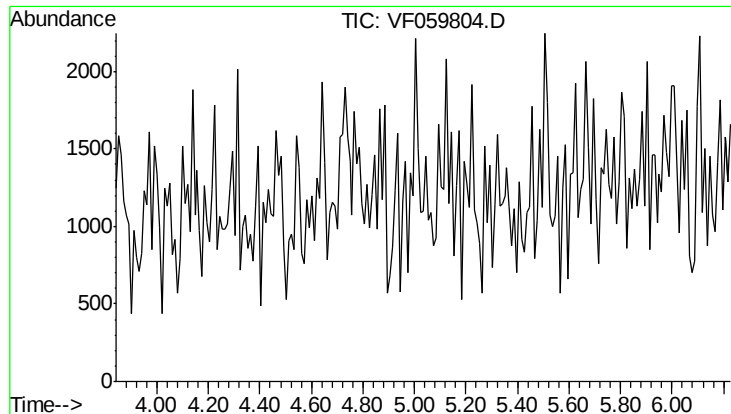
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Tot Ion: 168

Sig Exp Ratio

168 100

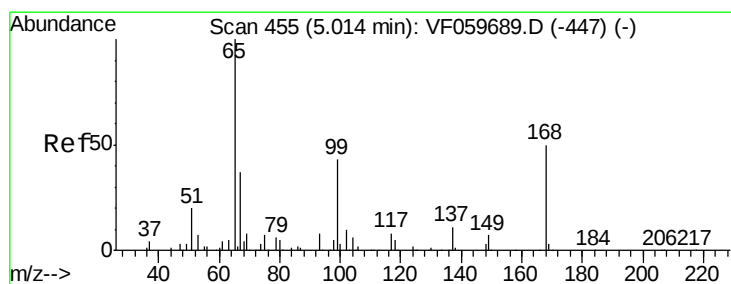
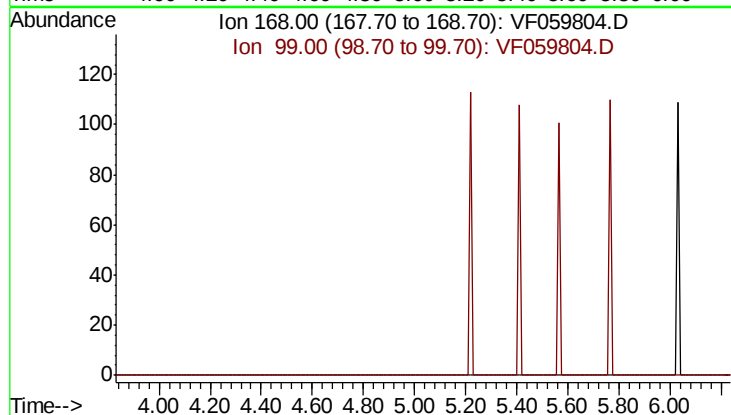
99 79.1

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8RE



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059804.D

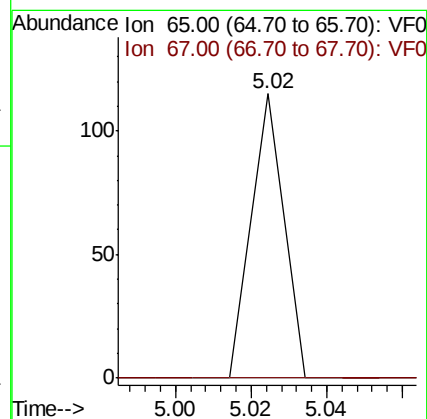
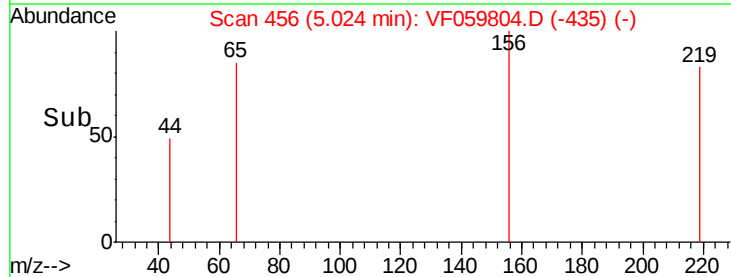
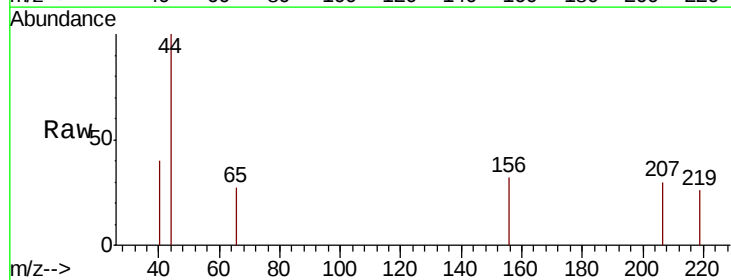
Acq: 2 Aug 2018 16:53

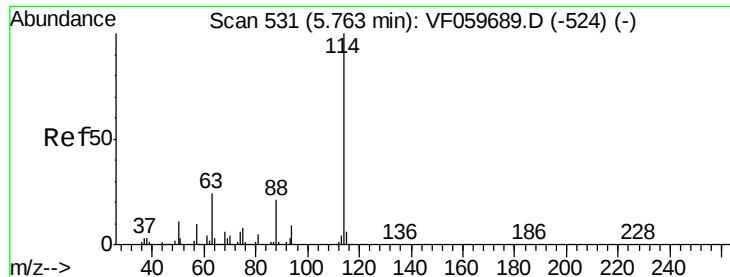
Tgt Ion: 65 Resp: 68

Ion Ratio Lower Upper

65 100

67 0.0 0.0 84.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.56 min Scan# 510

Delta R.T. -0.21 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8RE

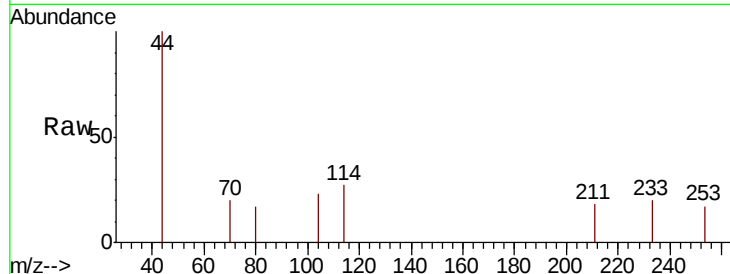
Tot Ion:114 Resp: 95

Ion Ratio Lower Upper

114 100

63 0.0 0.0 47.4

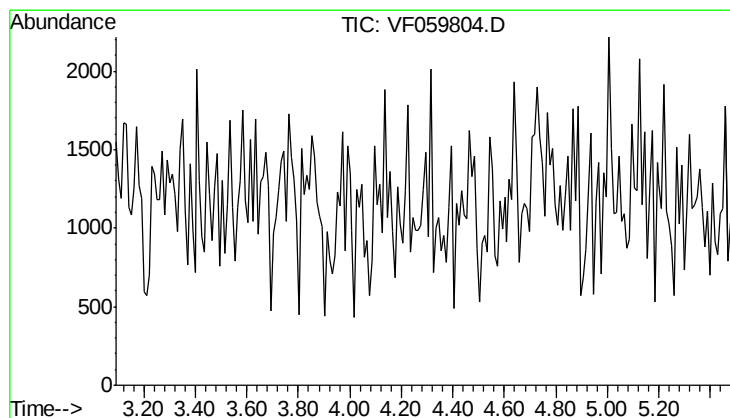
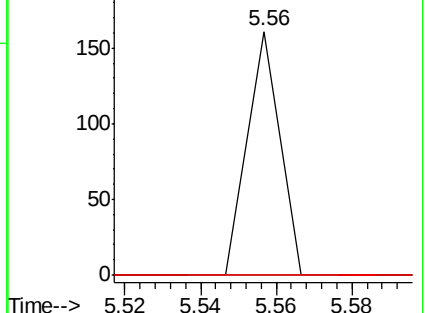
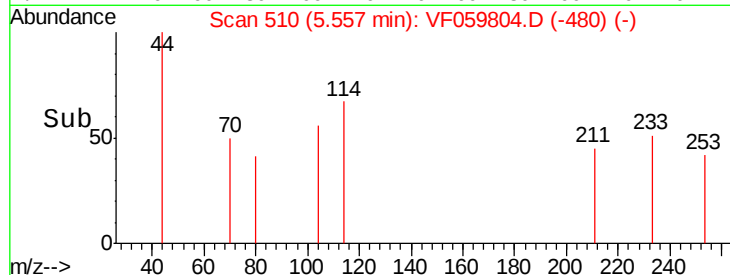
88 0.0 0.0 41.2



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



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 4.28 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

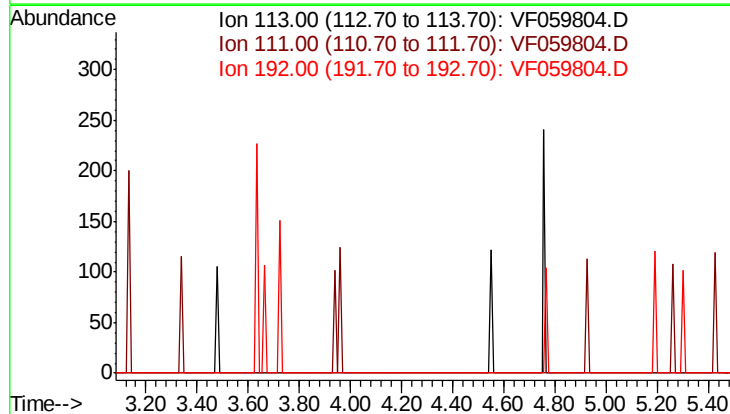
Tgt Ion: 113

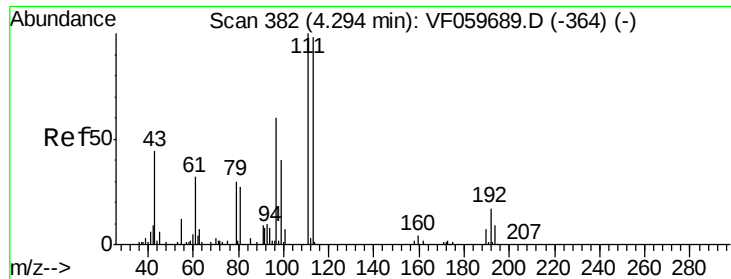
Sig Exp Ratio

113 100

111 98.7

192 16.5





#37

Ethyl Acetate

Concen: 218.08 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.09 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8RE

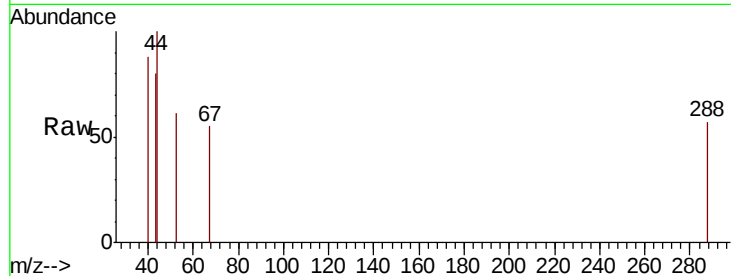
Tot Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

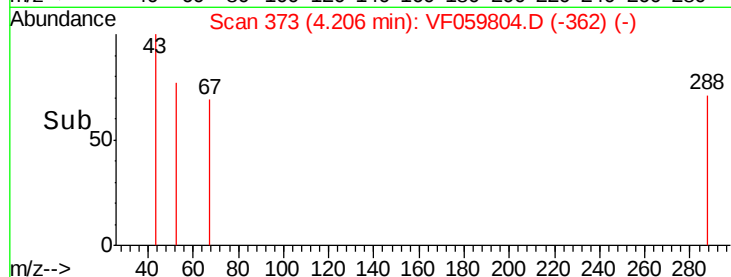
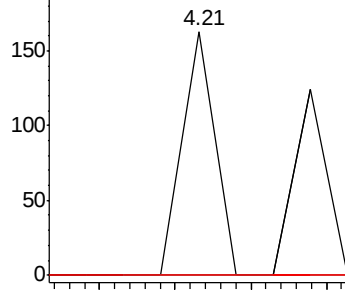
70 0.0 6.0 9.0#



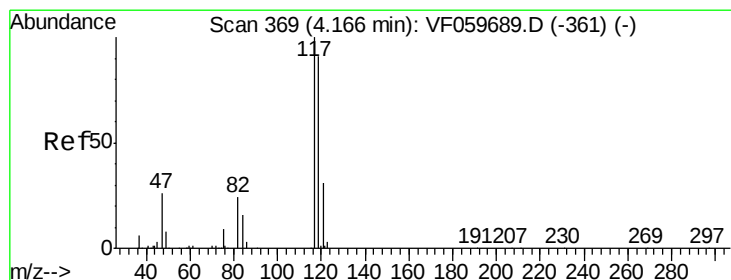
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#38

Carbon Tetrachloride

Concen: 46.34 ug/l

RT: 3.98 min Scan# 350

Delta R.T. -0.19 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

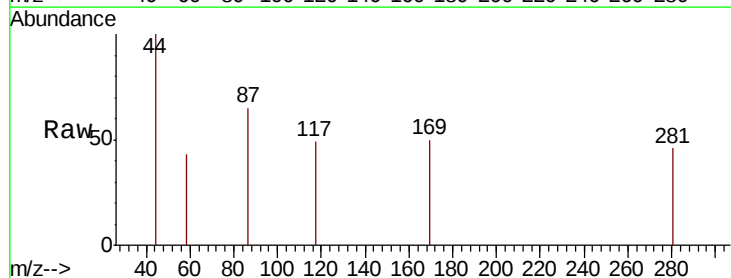
Tgt Ion: 117 Resp: 70

Ion Ratio Lower Upper

117 100

119 0.0 72.9 109.3#

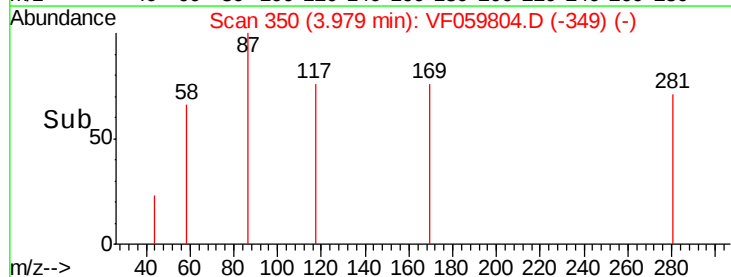
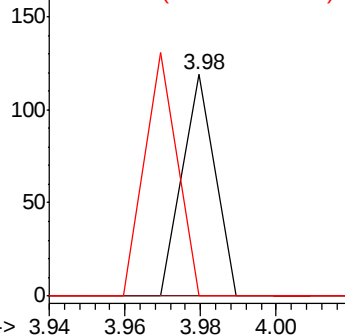
121 0.0 25.0 37.4#

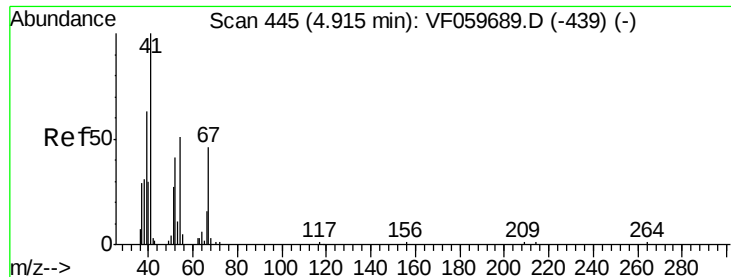


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#41

Methacrylonitrile

Concen: 338.16 ug/l

RT: 4.75 min Scan# 428

Delta R.T. -0.17 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 41 Resp: 77

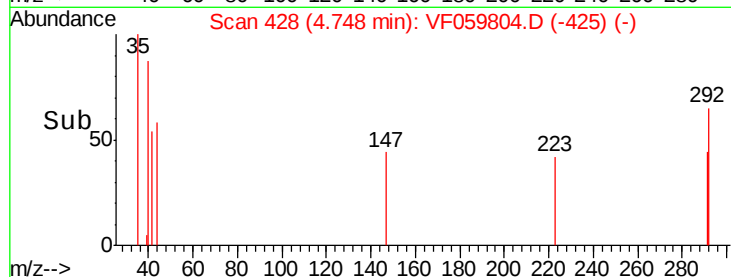
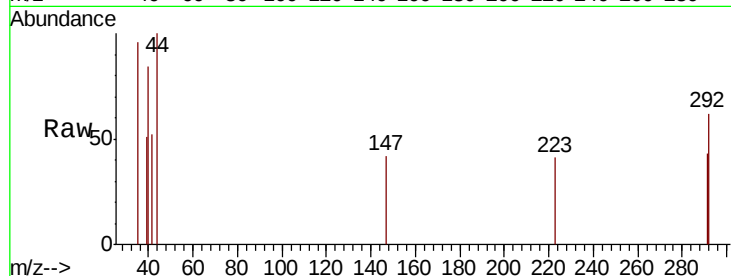
Ion Ratio Lower Upper

41 100

39 257.7 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

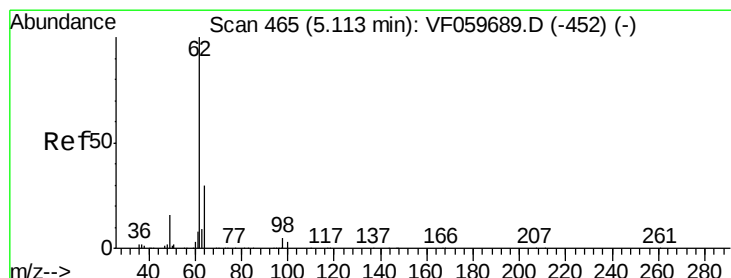
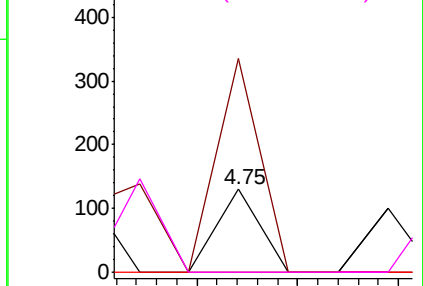


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 67.78 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.21 min

Lab File: VF059804.D

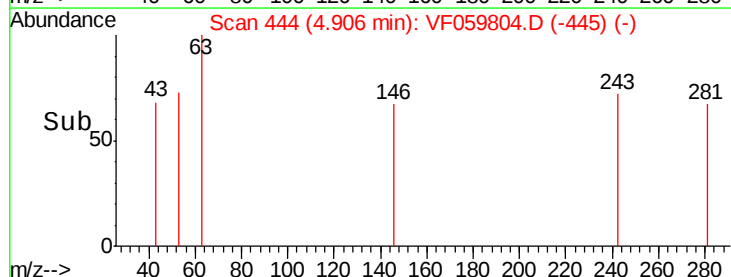
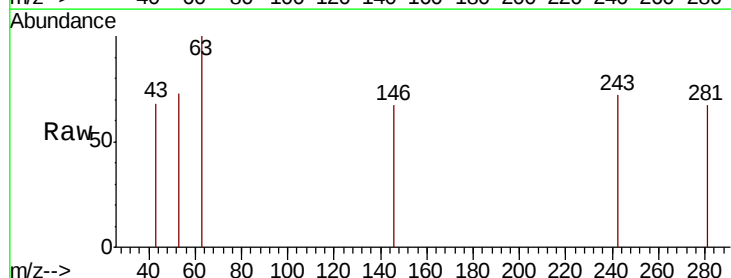
Acq: 2 Aug 2018 16:53

Tgt Ion: 62 Resp: 91

Ion Ratio Lower Upper

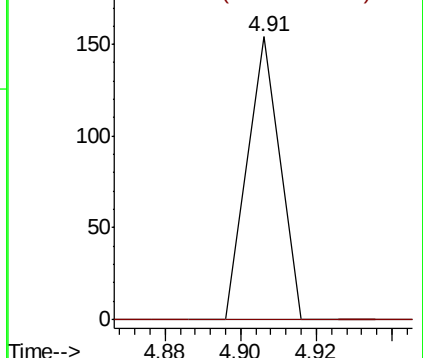
62 100

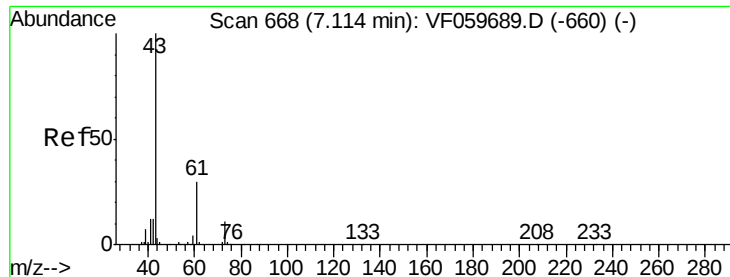
98 0.0 0.0 9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



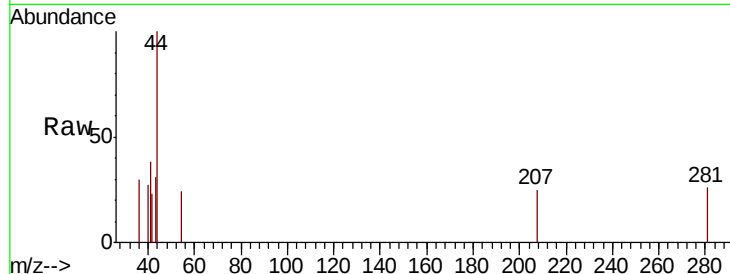


#43

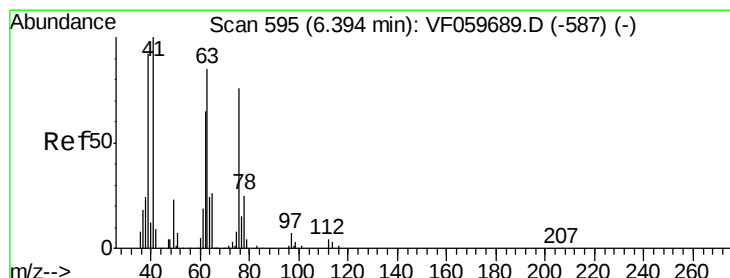
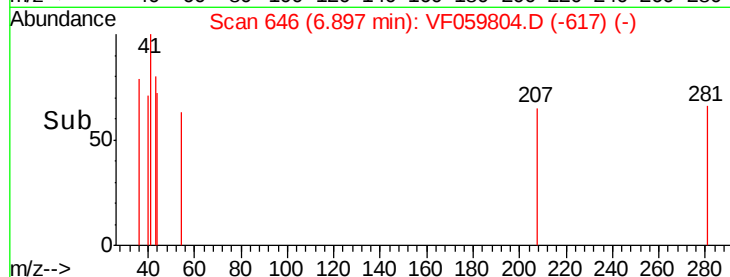
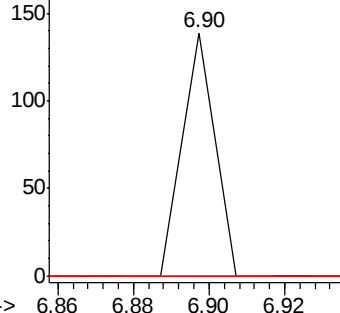
Isopropyl Acetate
 Concen: 144.35 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. -0.22 min
 Lab File: VF059804.D
 Acq: 2 Aug 2018 16:53

Instrument :
 MSVOA_F
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 2018-NYSEG-CLARK-AREA-14-8RE

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



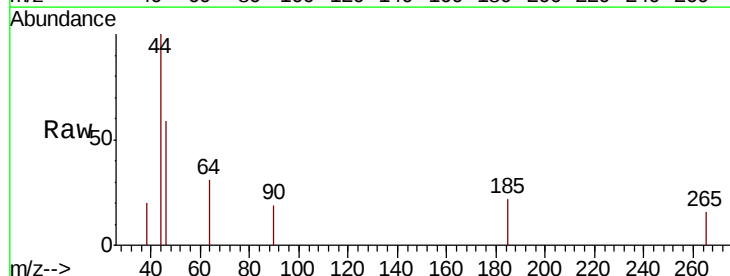
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



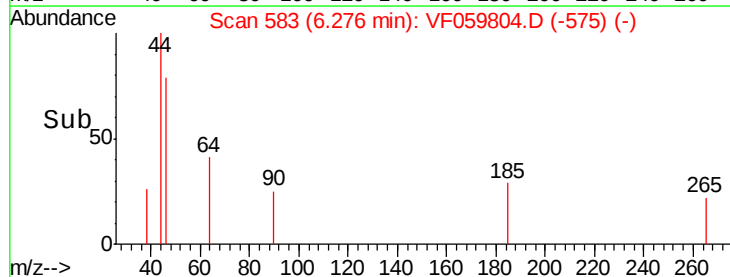
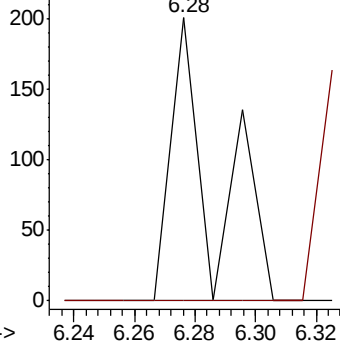
#45

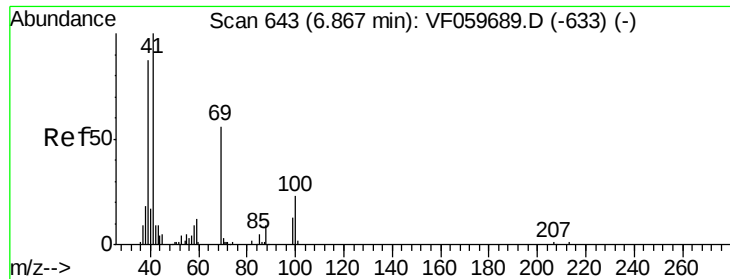
1,2-Dichloropropane
 Concen: 392.78 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. -0.12 min
 Lab File: VF059804.D
 Acq: 2 Aug 2018 16:53

Tgt 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

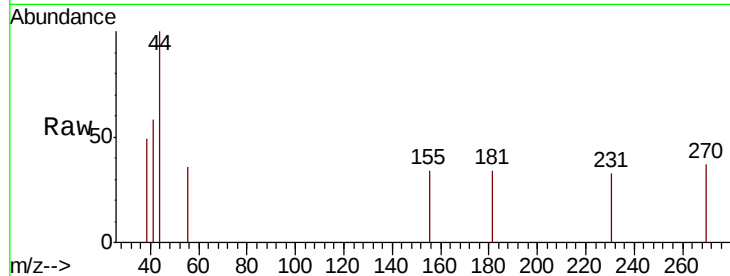




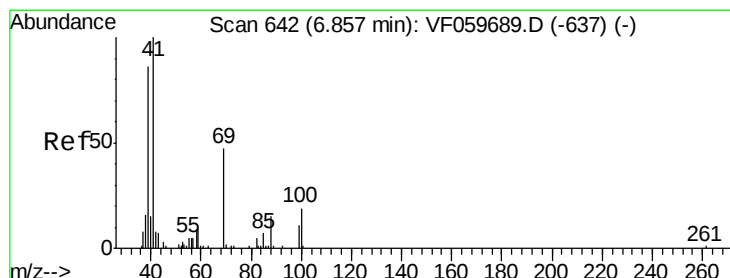
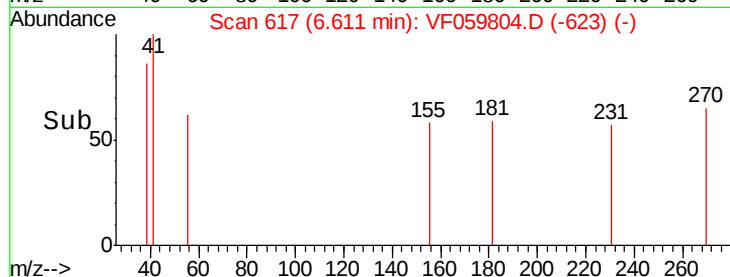
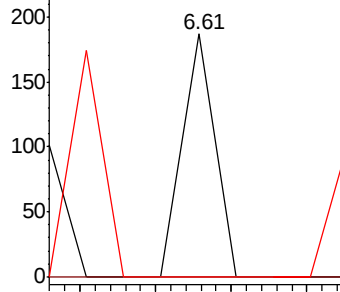
#48
Methvl methacrylate
Concen: 259.79 ug/l
RT: 6.61 min Scan# 617
Delta R.T. -0.26 min
Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 41 Resp: 111
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 69.4 104.2#

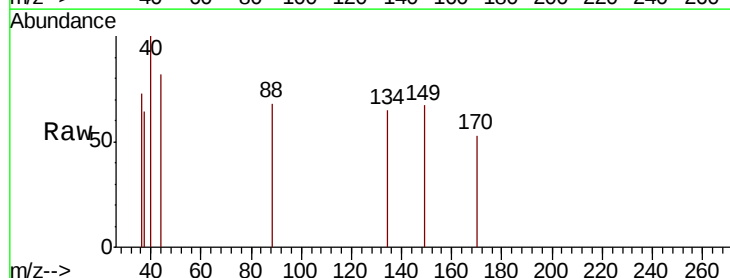


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

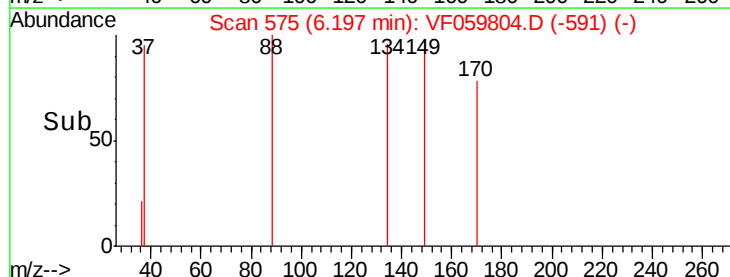
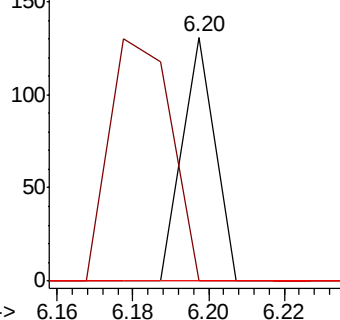


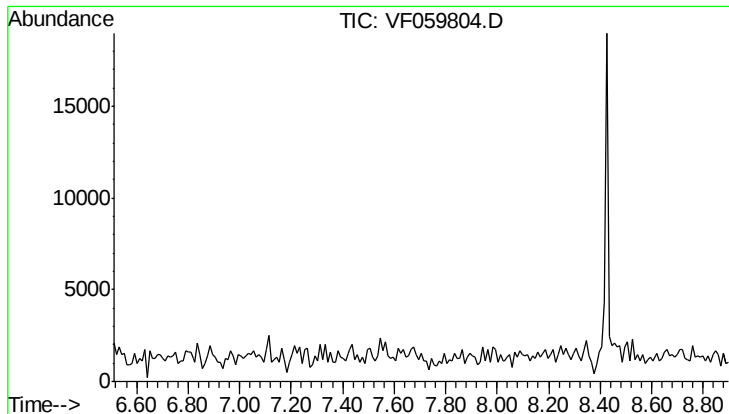
#49
1,4-Dioxane
Concen: 11439.97 ug/l
RT: 6.20 min Scan# 575
Delta R.T. -0.66 min
Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

Tgt Ion: 88 Resp: 77
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

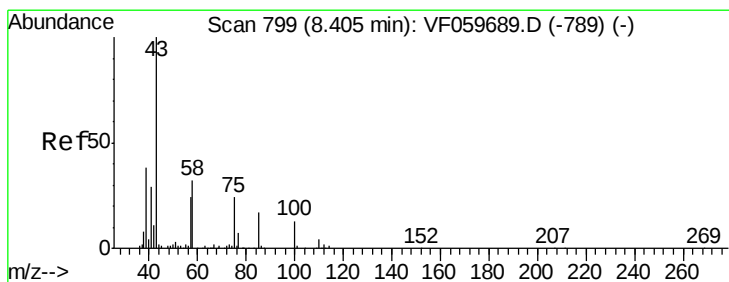
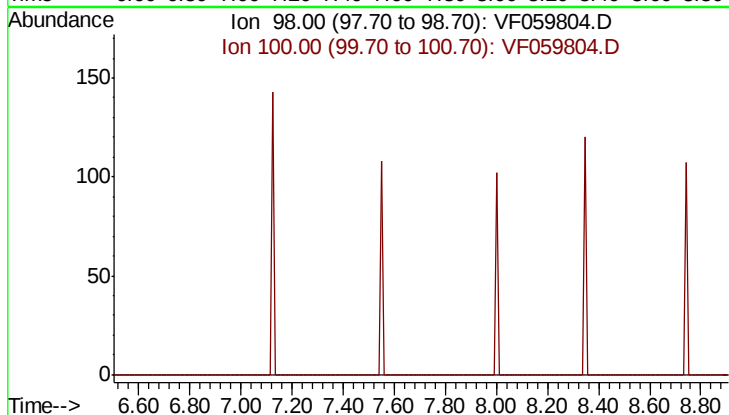




#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.71 min
Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

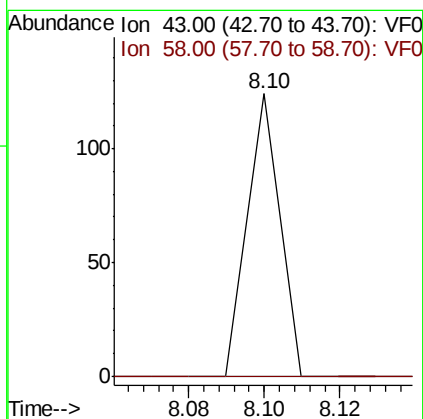
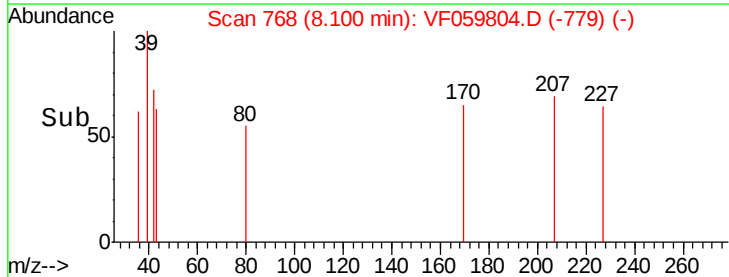
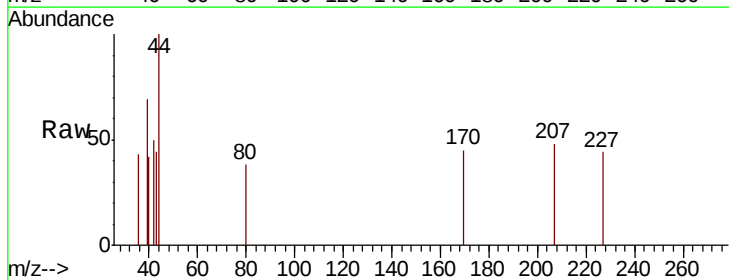
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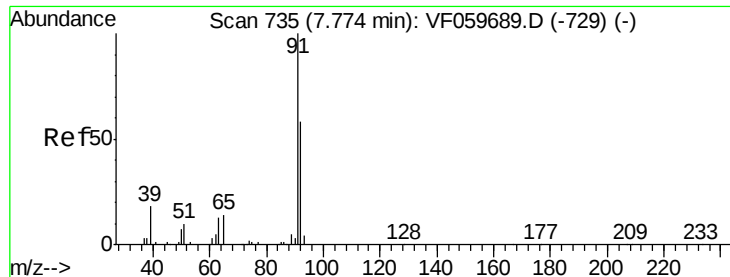
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.0



#51
4-Methyl-2-Pentanone
Concen: 168.93 ug/l
RT: 8.10 min Scan# 768
Delta R.T. -0.31 min
Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#52

Toluene

Concen: 50.11 ug/l

RT: 7.48 min Scan# 705

Delta R.T. -0.30 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

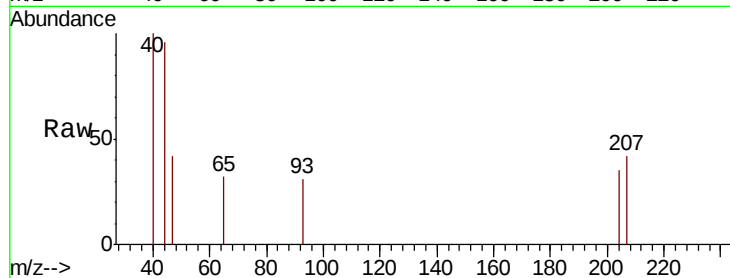
2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 92 Resp: 64

Ion Ratio Lower Upper

92 100

91 0.0 139.0 208.4#

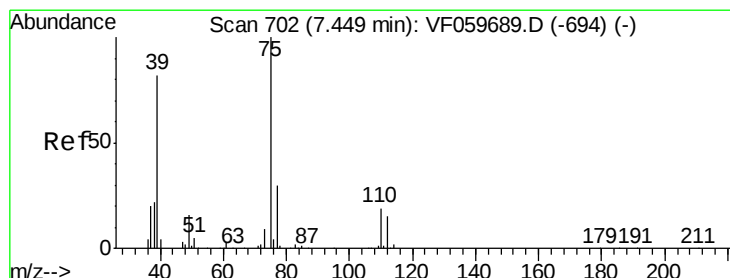
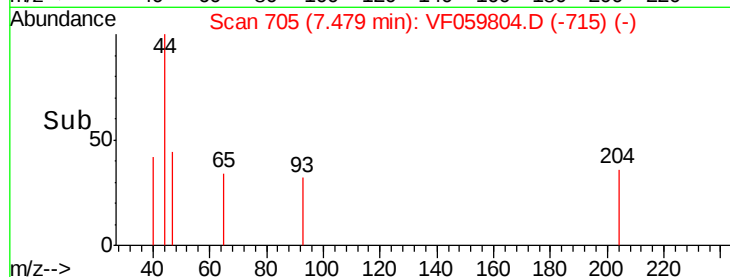


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.48

Time-->



#54

cis-1,3-Dichloropropene

Concen: 94.47 ug/l

RT: 7.29 min Scan# 686

Delta R.T. -0.16 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

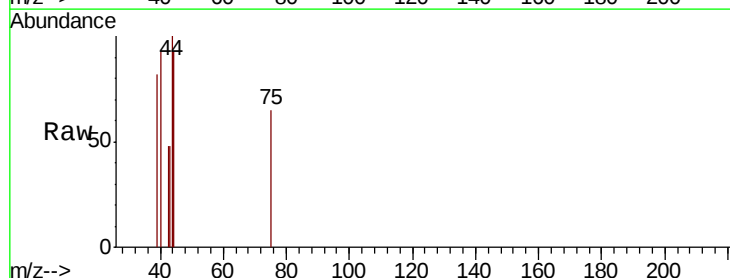
Tgt Ion: 75 Resp: 104

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 125.6 65.4 98.2#



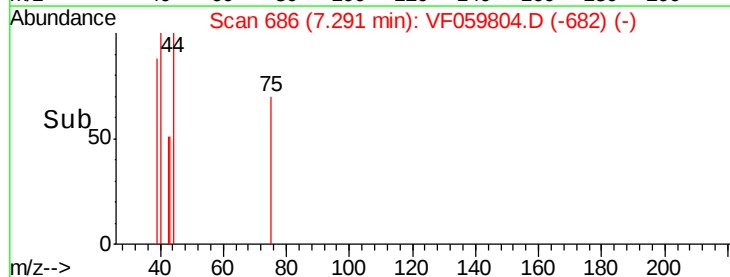
Abundance Ion 75.00 (74.70 to 75.70): VF0

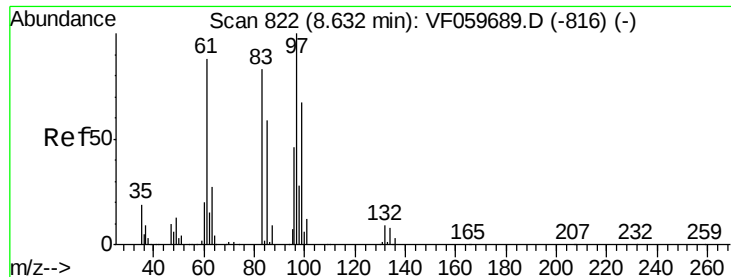
Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.29

Time-->





#55

1,1,2-Trichloroethane

Concen: 123.17 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.33 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 97 Resp: 64

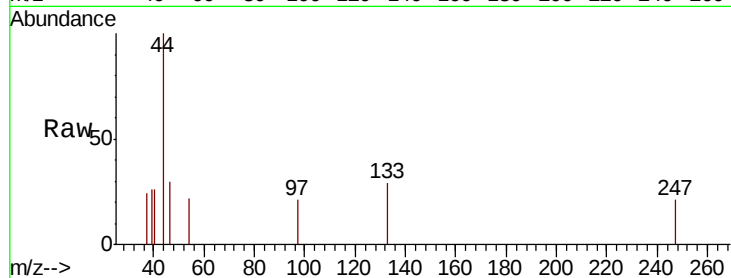
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 47.4 71.0#

99 0.0 53.2 79.8#

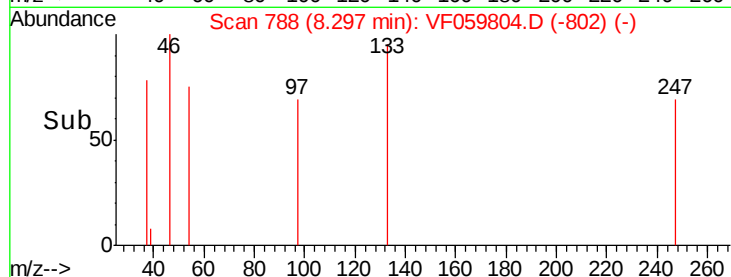
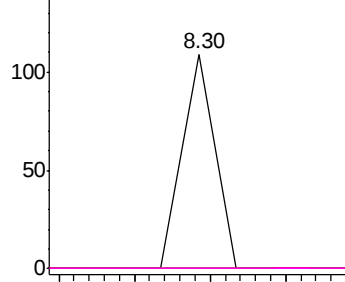


Abundance Ion 97.00 (96.70 to 97.70): VF0

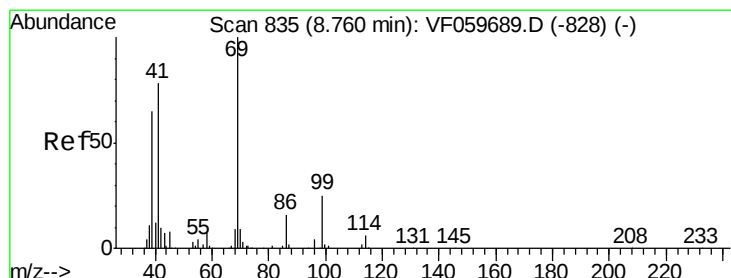
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#56

Ethyl methacrylate

Concen: 153.17 ug/l

RT: 8.54 min Scan# 813

Delta R.T. -0.22 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

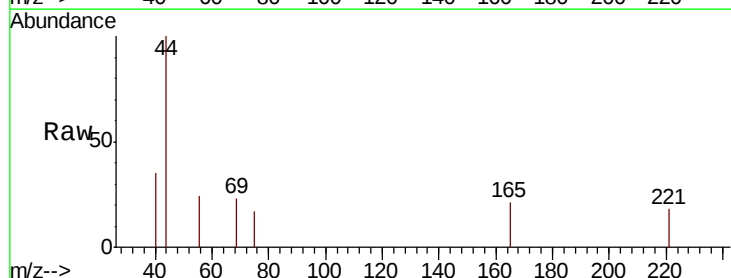
Tgt Ion: 69 Resp: 83

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

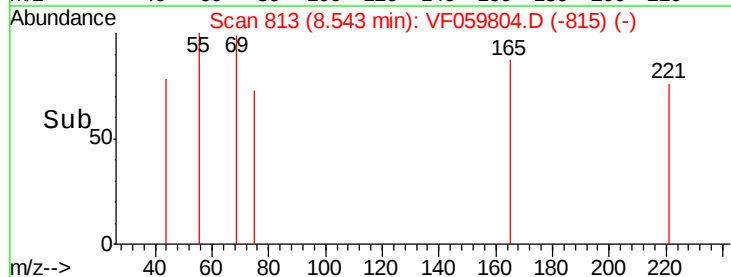
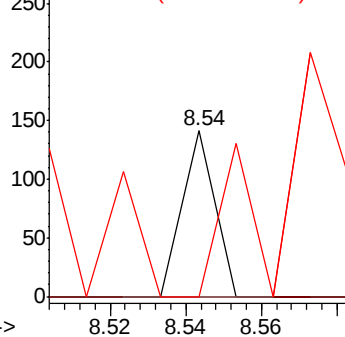
39 0.0 52.4 78.6#

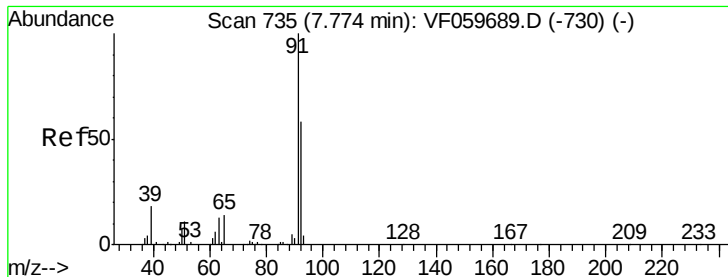


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 1054.93 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.32 min

Lab File: VF059804.D

Acq: 2 Aug 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

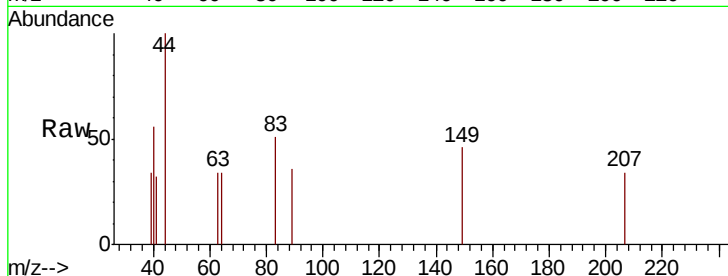
2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 63 Resp: 66

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

7.46

120

100

80

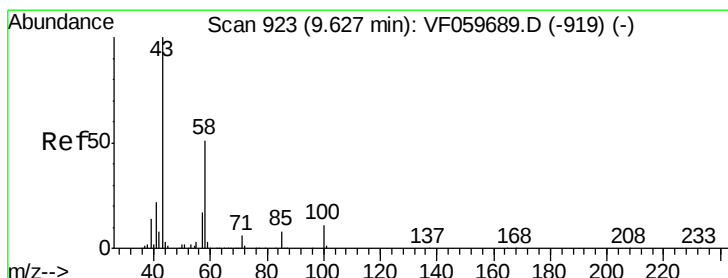
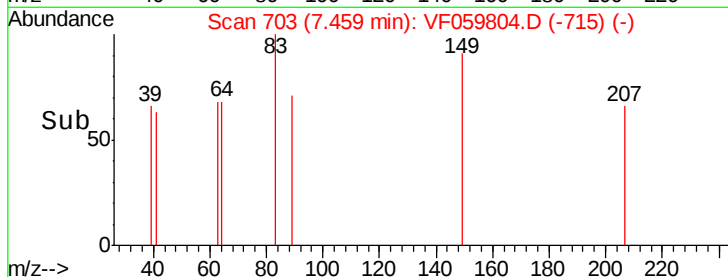
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 464.94 ug/l

RT: 9.30 min Scan# 890

Delta R.T. -0.32 min

Lab File: VF059804.D

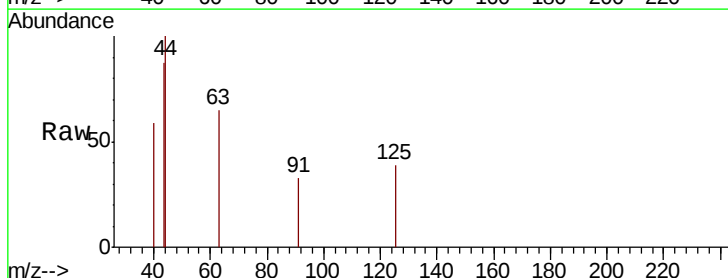
Acq: 2 Aug 2018 16:53

Tgt Ion: 43 Resp: 161

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

9.30

300

250

200

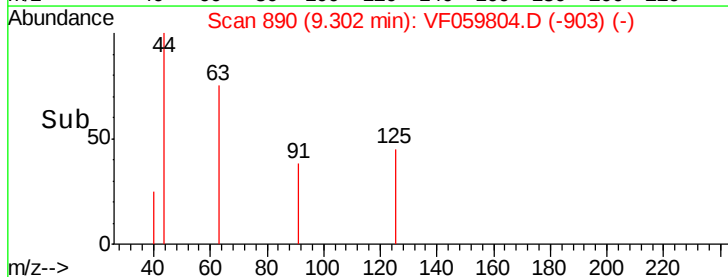
150

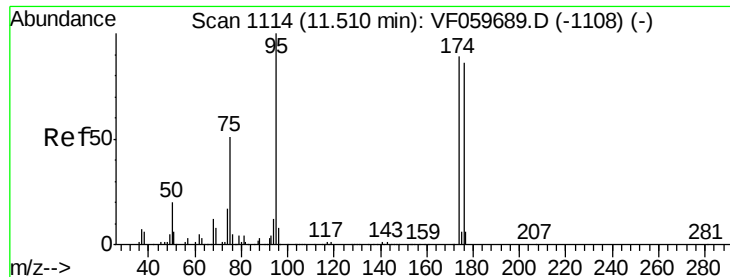
100

50

0

Time-->

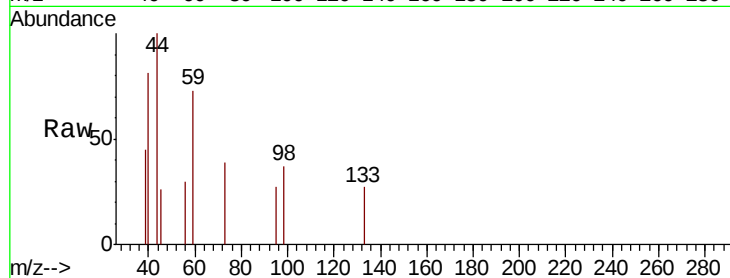




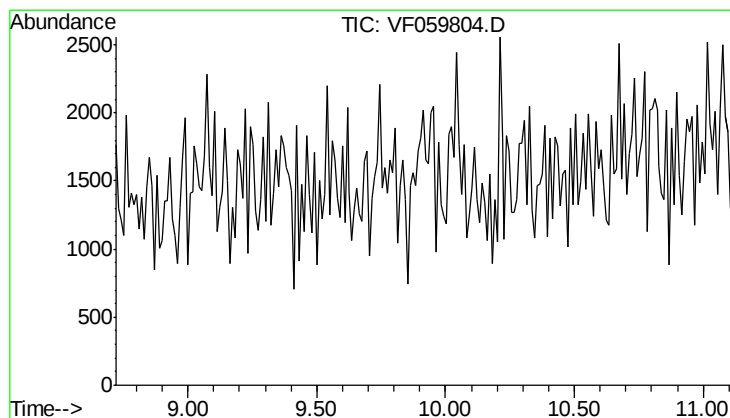
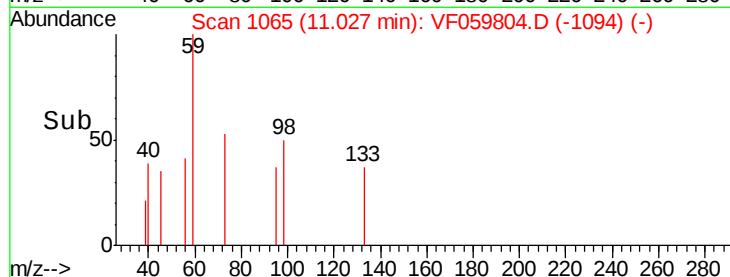
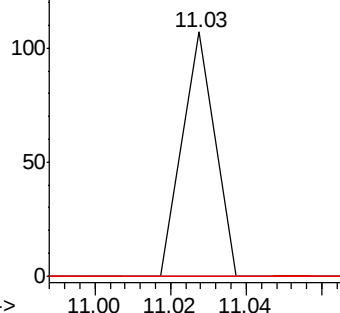
#62
4-Bromofluorobenzene
Concen: 49.46 ug/l
RT: 11.03 min Scan# 1065
Delta R.T. -0.48 min
Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	178.4
176	0.0	0.0	173.0



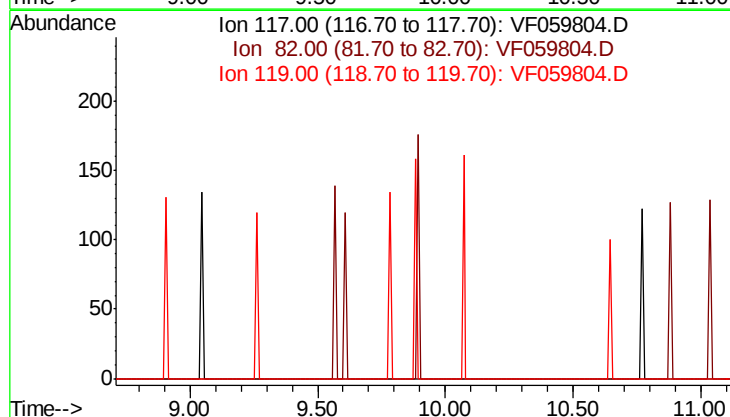
Abundance Ion 95.00 (94.70 to 95.70): VF059804.D
Ion 174.00 (173.70 to 174.70): VF059804.D
Ion 176.00 (175.70 to 176.70): VF059804.D

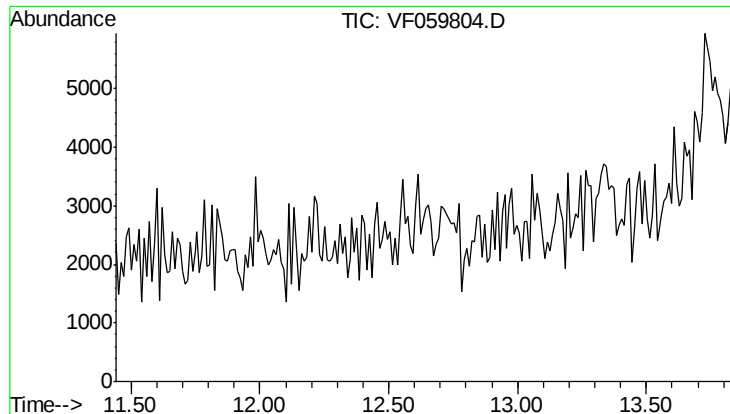


#63
Chlorobenzene-d5
Concen: 0.00 ug/l
Expected RT: 9.91 min

Lab File: VF059804.D
Acq: 2 Aug 2018 16:53

Tgt Ion	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: VF059804.D
 Acq: 2 Aug 2018 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8RE

Tot Ion: 152
 Sig Exp Ratio
 152 100
 115 56.4
 150 158.1

