

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059793.D
 Acq On : 2 Aug 2018 11:10
 Operator : VA/AP
 Sample : J4231-21
 Misc : 5.06µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-7

Quant Time: Aug 02 11:59:18 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	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	9.86	117	80	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.76	152	70	50.00	ug/l	0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	118	0.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	7.80	98	75	0.00	ug/l	0.09
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%	

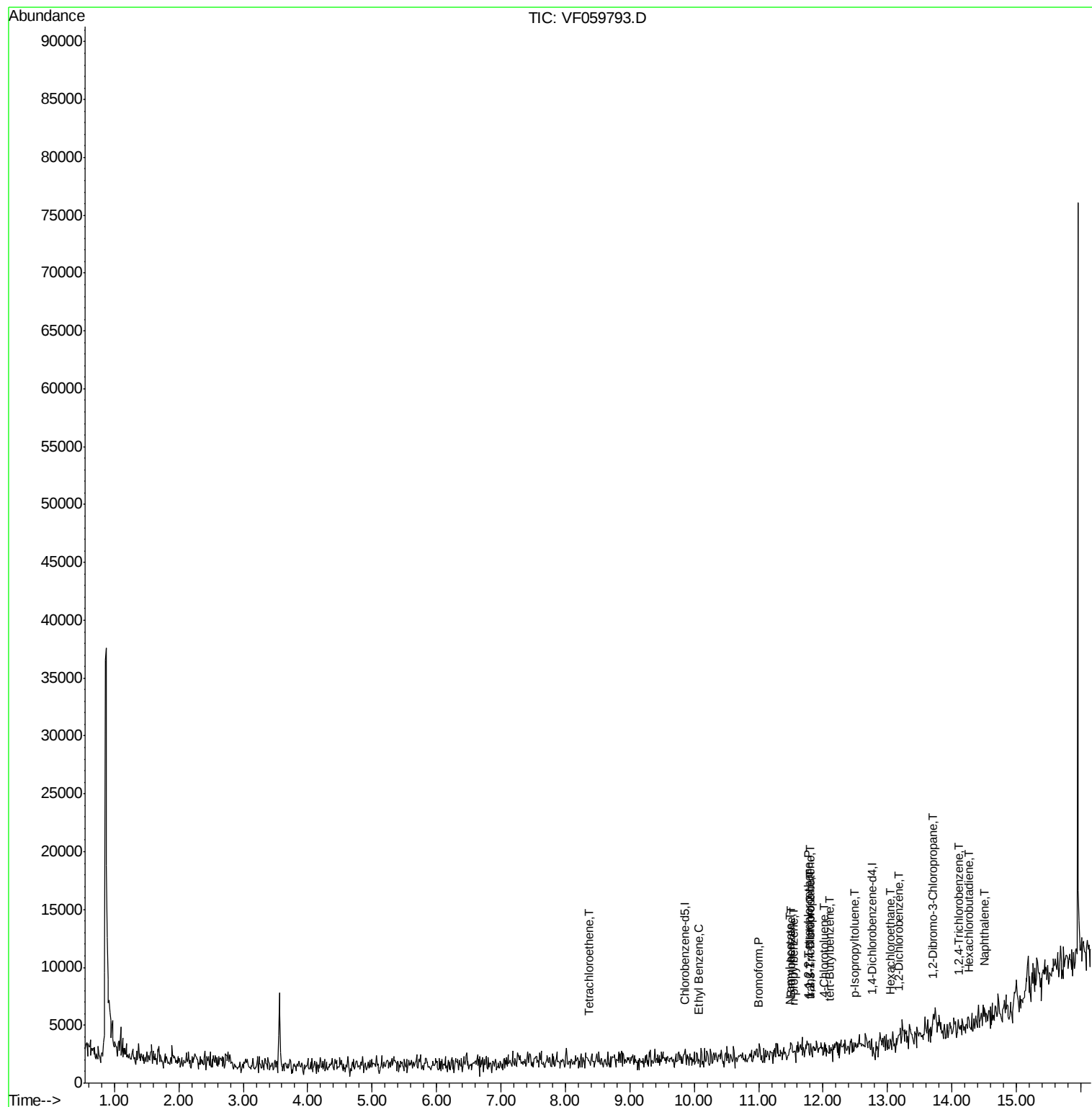
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	8.36	164	75	147.49	ug/l #	1
67) Ethyl Benzene	10.07	91	72	26.00	ug/l #	46
71) Bromoform	10.99	173	63	129.40	ug/l #	30
74) N-amyl acetate	11.48	43	156	134.62	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.77	83	64	74.02	ug/l #	25
76) 1,2,3-Trichloropropane	11.80	75	92	125.14	ug/l #	39
77) Bromobenzene	11.50	156	67	55.86	ug/l #	1
78) n-propylbenzene	11.55	91	64	9.54	ug/l #	54
81) trans-1,4-Dichloro-2-buten	11.80	75	92	302.16	ug/l #	9
82) 4-Chlorotoluene	12.03	91	69	19.34	ug/l #	44
83) tert-Butylbenzene	12.10	119	87	21.10	ug/l #	26
86) p-Isopropyltoluene	12.49	119	102	21.78	ug/l #	49
90) Hexachloroethane	13.04	117	102	88.05	ug/l #	18
91) 1,2-Dichlorobenzene	13.16	146	75	38.11	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	69	326.46	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.11	180	78	51.28	ug/l #	12
94) Hexachlorobutadiene	14.26	225	71	61.84	ug/l #	19
95) Naphthalene	14.52	128	331	109.67	ug/l #	70

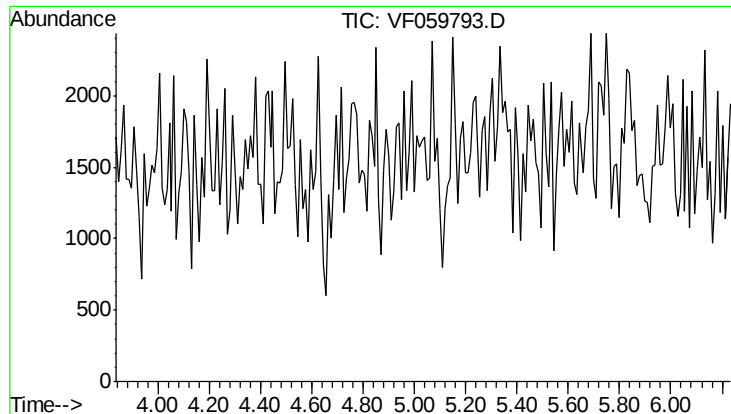
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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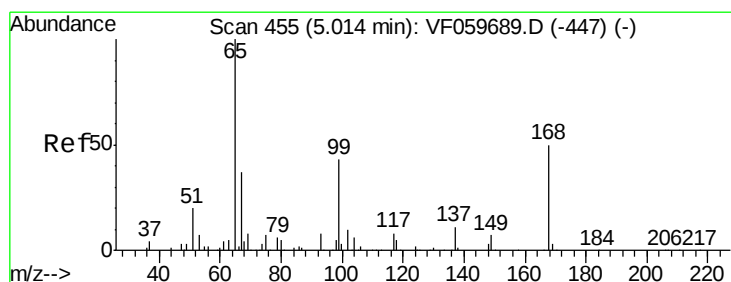
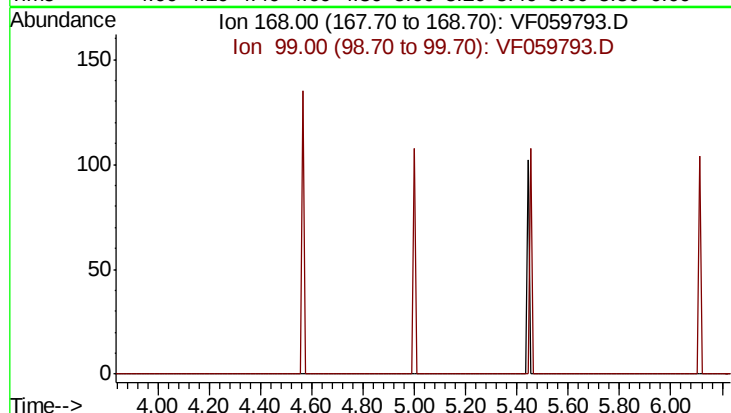


#1
Pentafluorobenzene
Concen: 0.00 ug/l
Expected RT: 5.03 min

Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

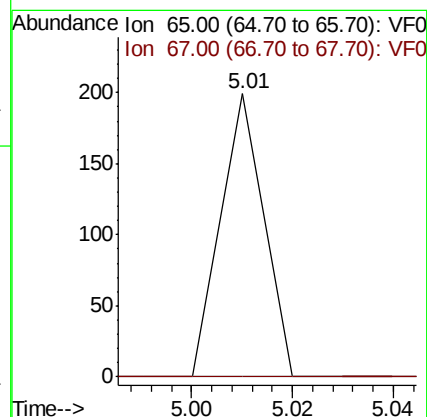
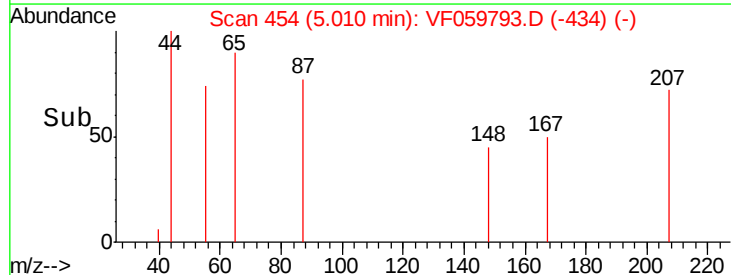
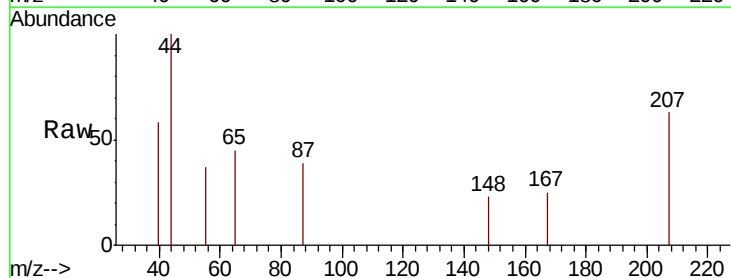
Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-7

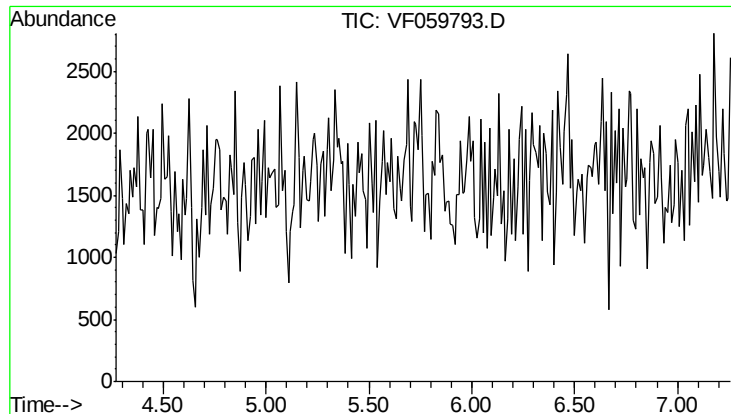
Tot Ion: 168
Sig Exp Ratio
168 100
99 79.1



#33
1,2-Dichloroethane-d4
Concen: 0.00 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

Tgt Ion: 65 Resp: 118
Ion Ratio Lower Upper
65 100
67 0.0 0.0 84.6

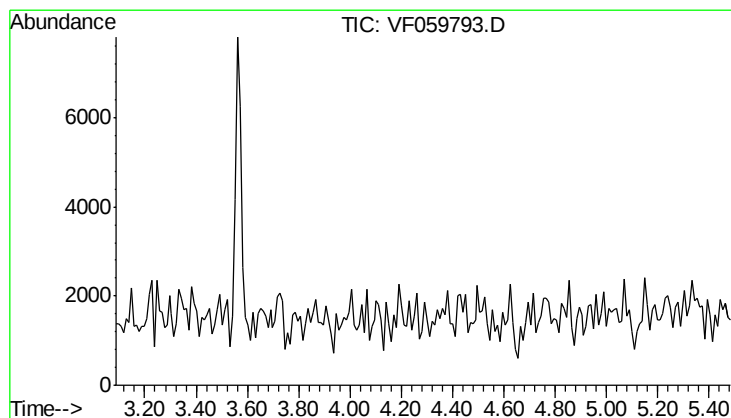
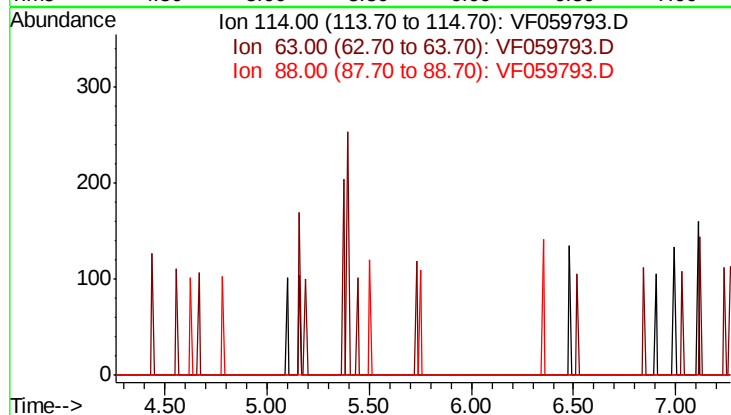




#34
 1,4-Difluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 5.76 min
 Lab File: VF059793.D
 Acq: 2 Aug 2018 11:10

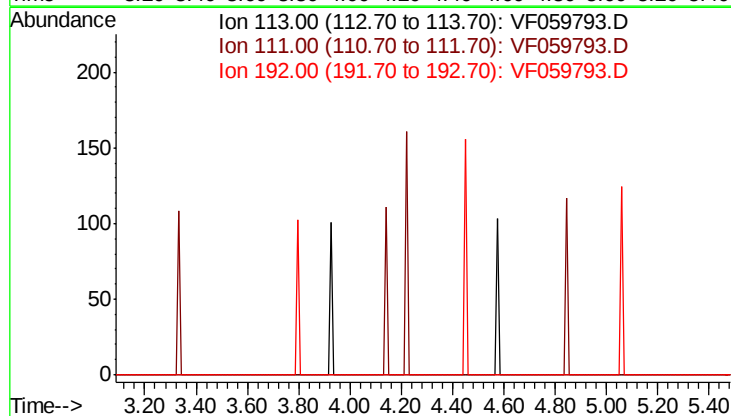
Instrument :
 MSVOA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-7

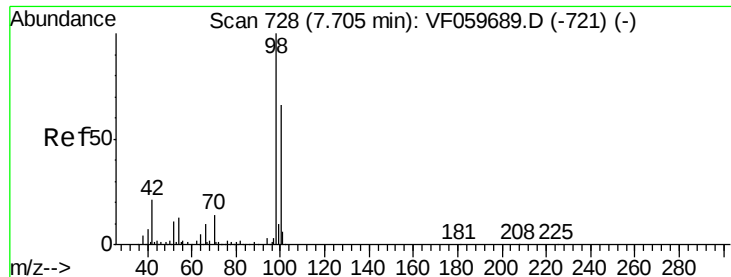
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 23.7
 88 20.6



#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.28 min
 Lab File: VF059793.D
 Acq: 2 Aug 2018 11:10

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 98.7
 192 16.5





#50

Toluene-d8

Concen: 0.00 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.09 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

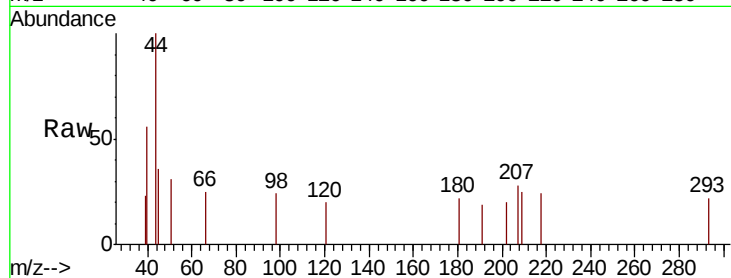
2018-NYSEG-CLARK-AREA-7

Tot Ion: 98 Resp: 75

Ion Ratio Lower Upper

98 100

100 0.0 52.8 79.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.80

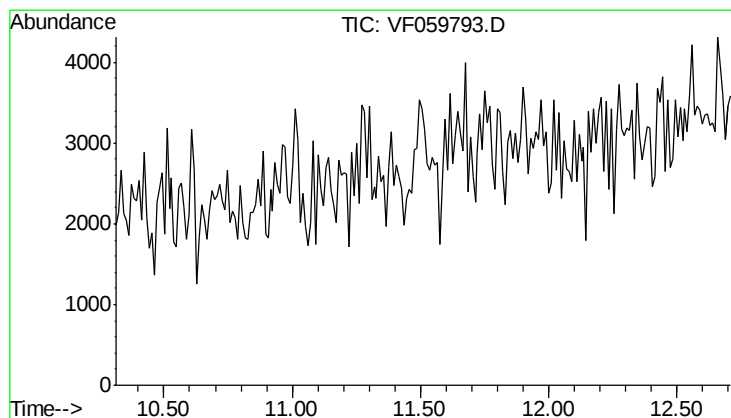
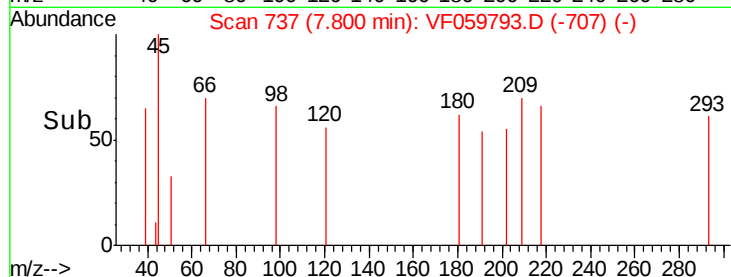
100

50

0

Time-->

7.78 7.80 7.82



#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.51 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

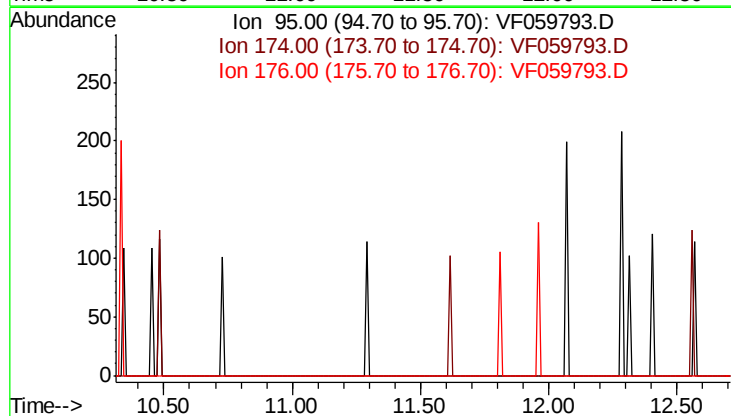
Tgt Ion: 95

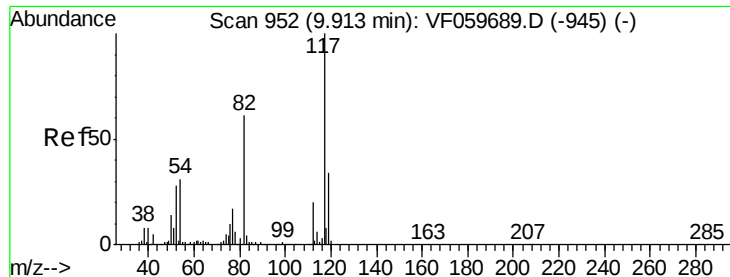
Sig Exp Ratio

95 100

174 89.2

176 86.5

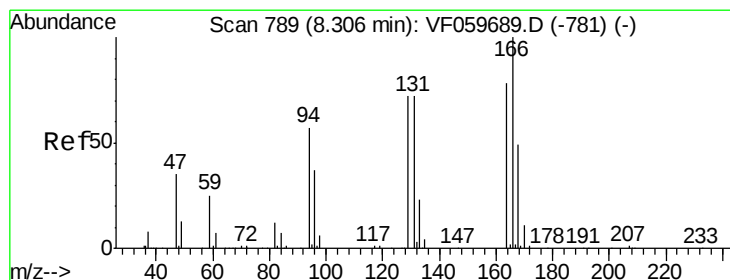
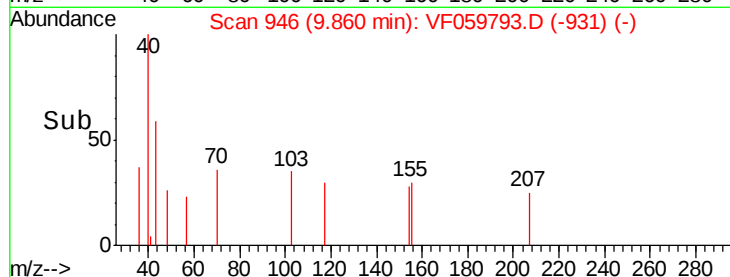
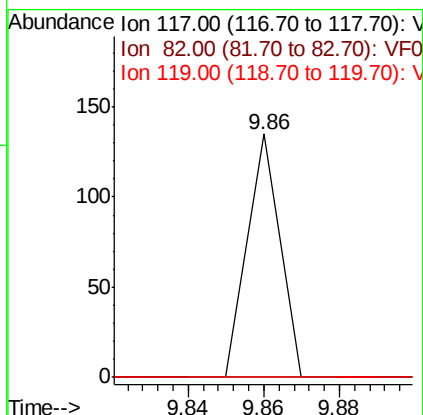
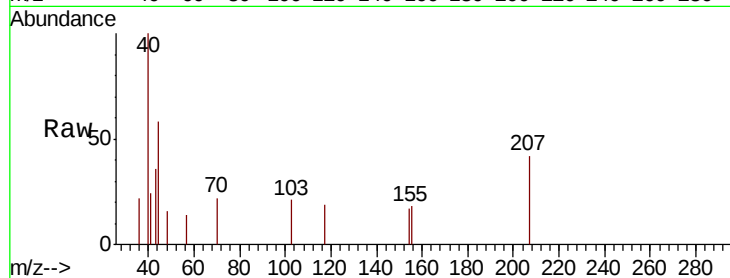




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.86 min Scan# 946
Delta R.T. -0.05 min
Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

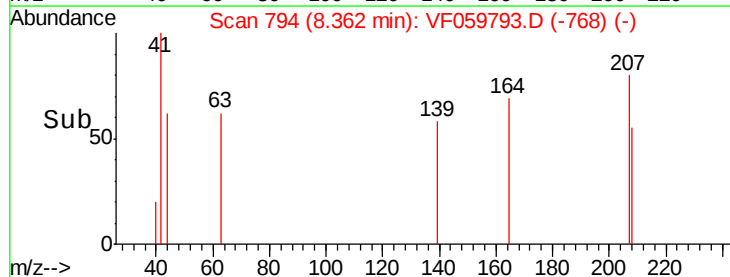
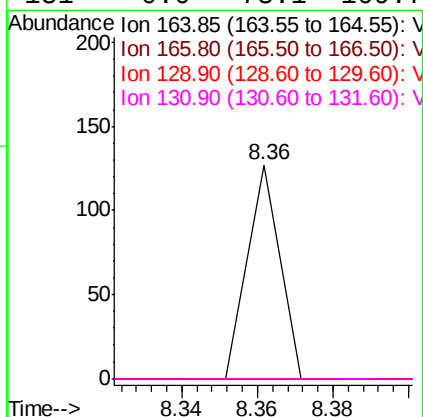
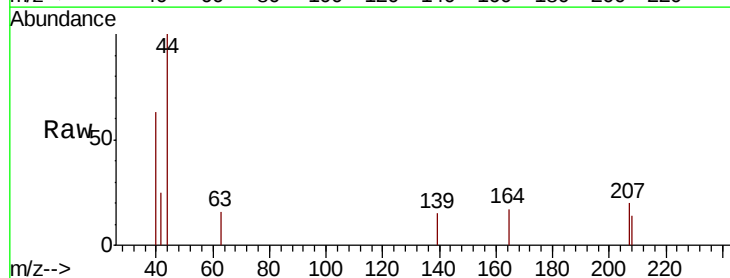
Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-7

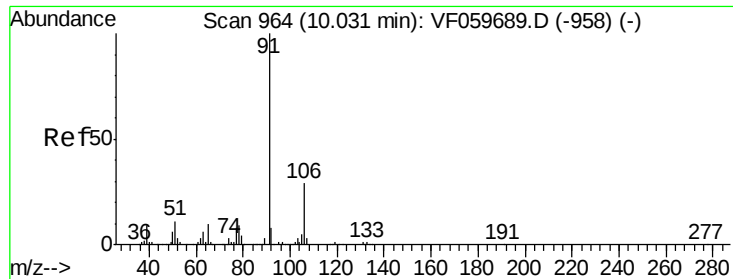
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	49.0	73.4#
119	0.0	27.3	40.9#



#64
Tetrachloroethene
Concen: 147.49 ug/l
RT: 8.36 min Scan# 794
Delta R.T. 0.06 min
Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

Tgt 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#





#67

Ethyl Benzene

Concen: 26.00 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.04 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

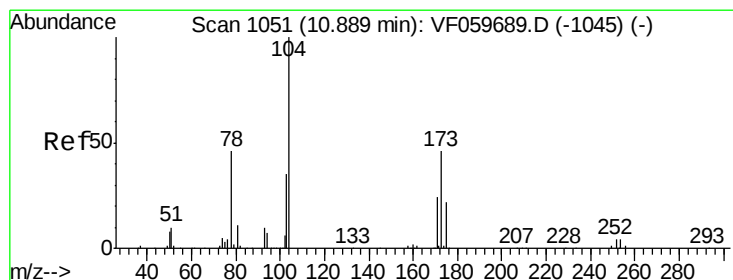
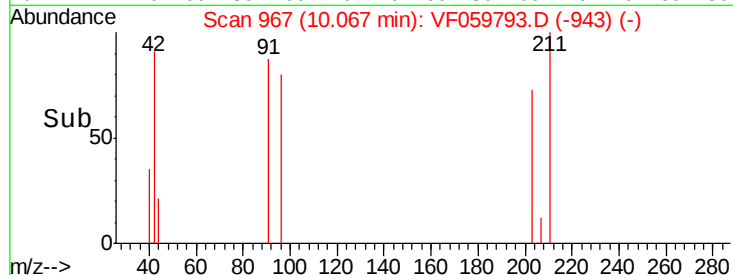
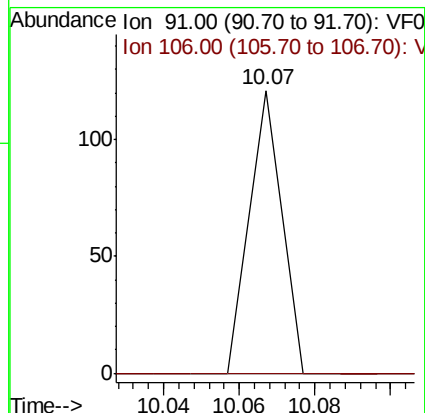
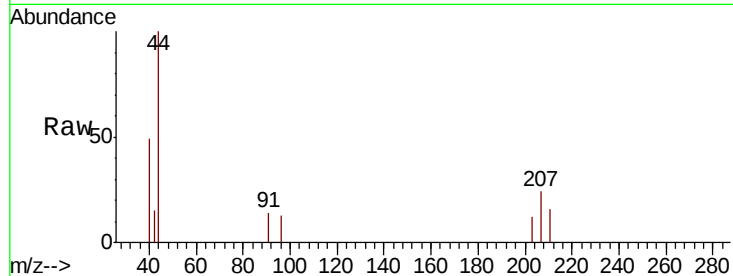
2018-NYSEG-CLARK-AREA-7

Tot Ion: 91 Resp: 72

Ion Ratio Lower Upper

91 100

106 0.0 22.9 34.3#



#71

Bromoform

Concen: 129.40 ug/l

RT: 10.99 min Scan# 1061

Delta R.T. 0.10 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

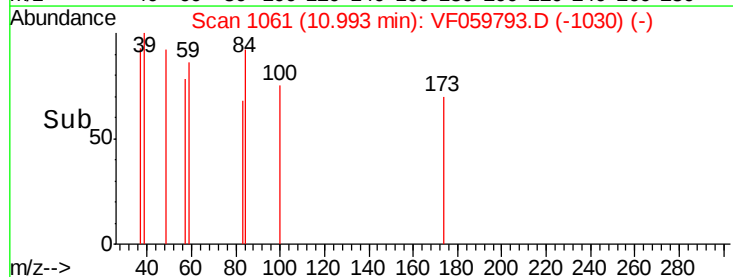
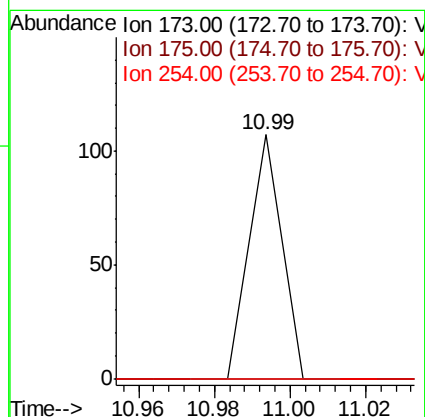
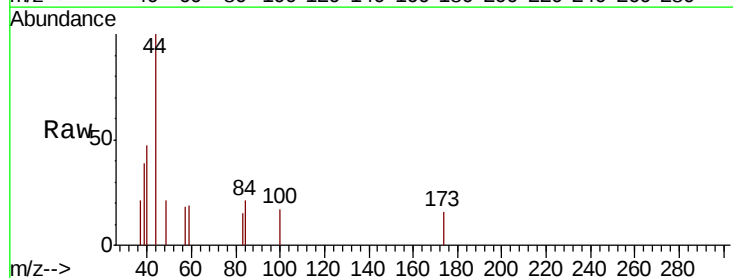
Tgt Ion: 173 Resp: 63

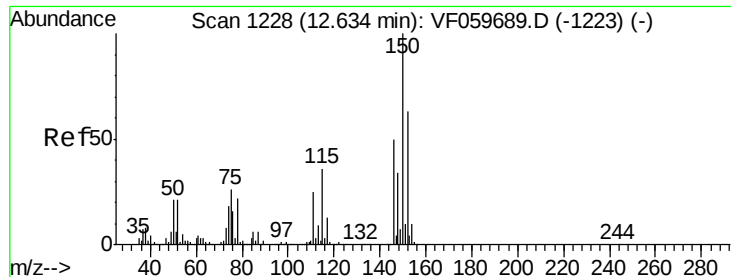
Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.76 min Scan# 1240

Delta R.T. 0.12 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

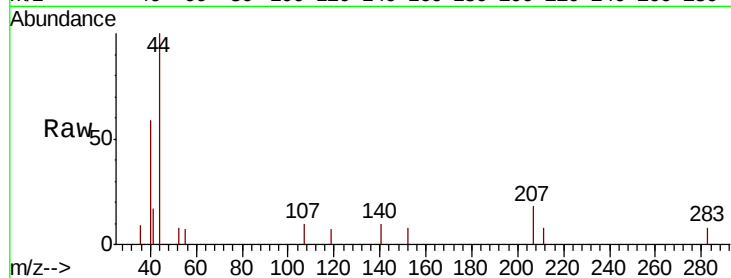
Tot Ion:152 Resp: 70

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.6#

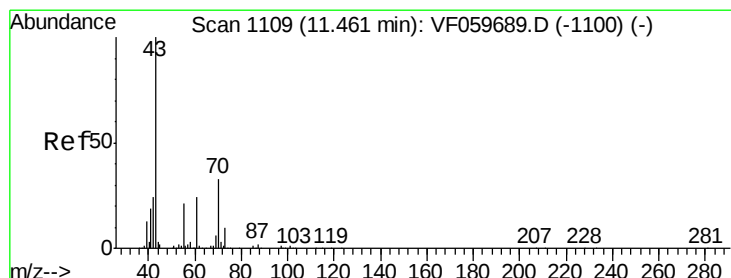
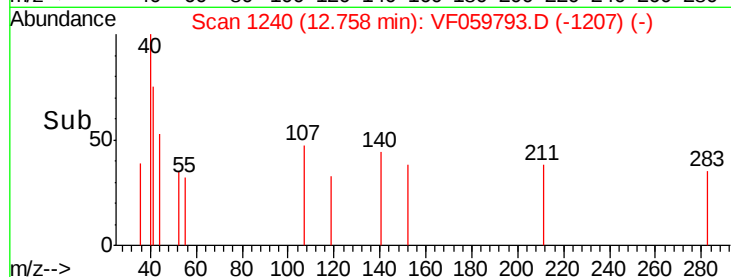
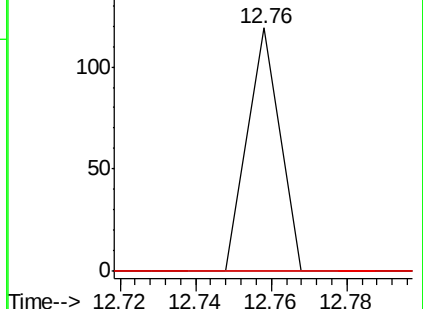
150 0.0 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 134.62 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Tgt Ion: 43 Resp: 156

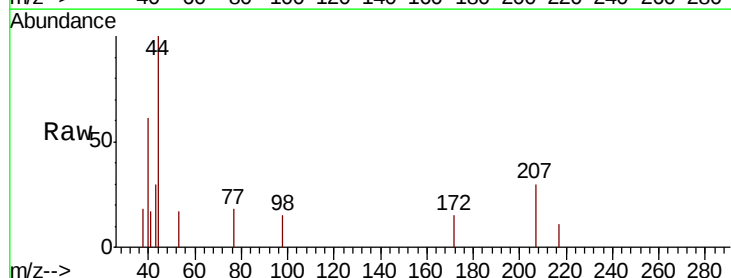
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

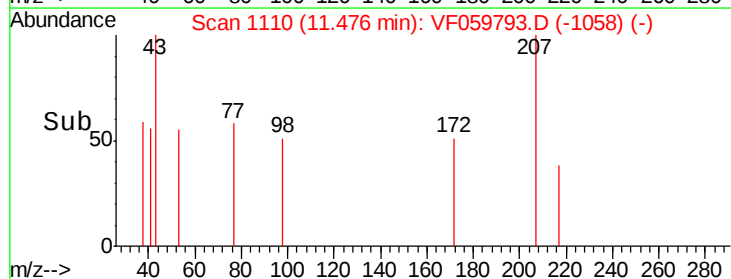
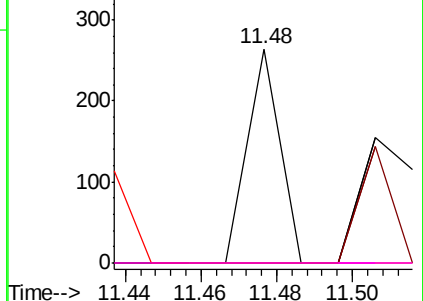


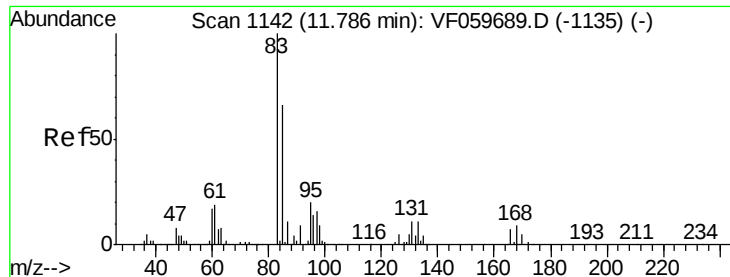
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 74.02 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

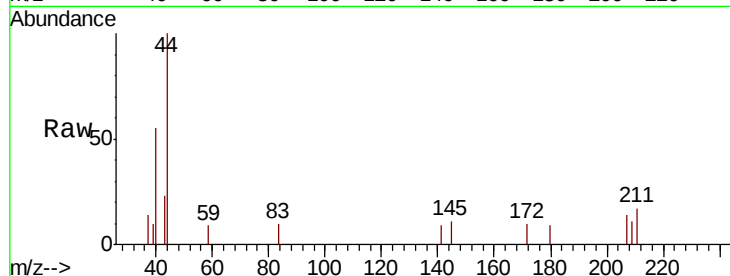
Tot Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

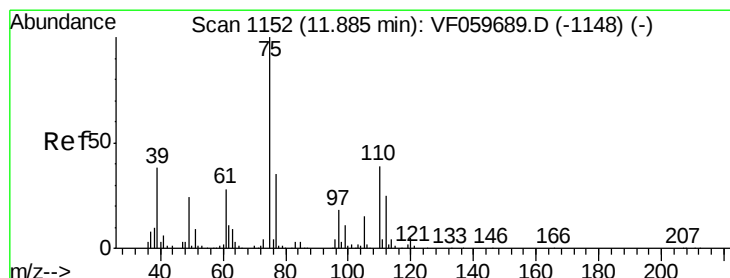
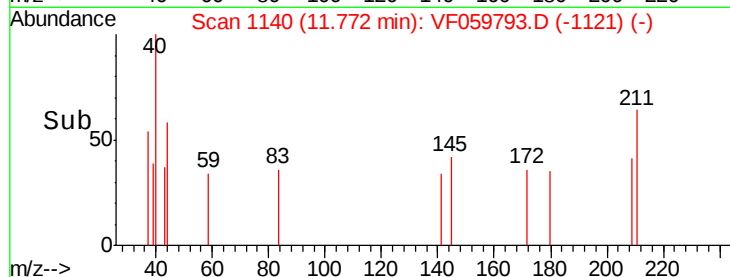
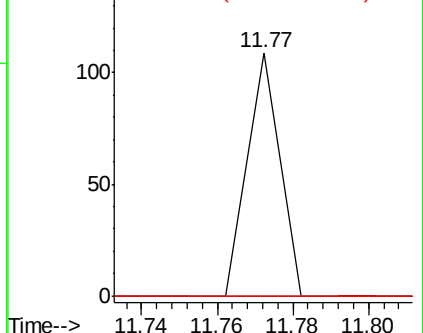
85 0.0 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 125.14 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.08 min

Lab File: VF059793.D

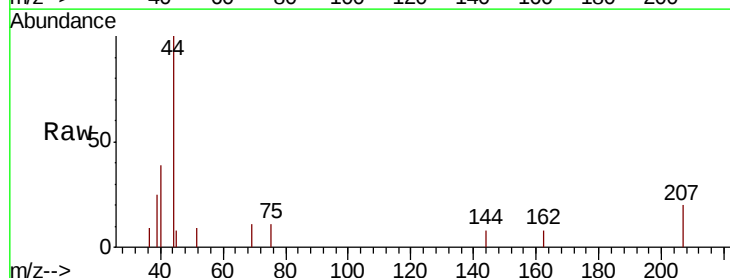
Acq: 2 Aug 2018 11:10

Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

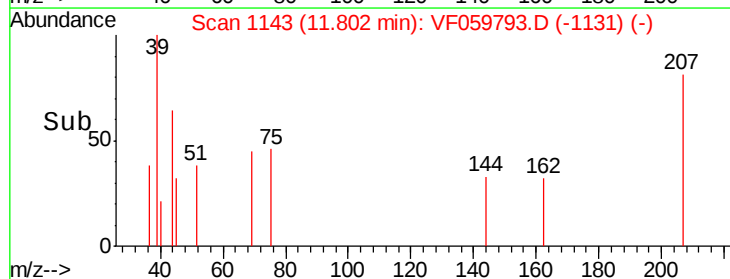
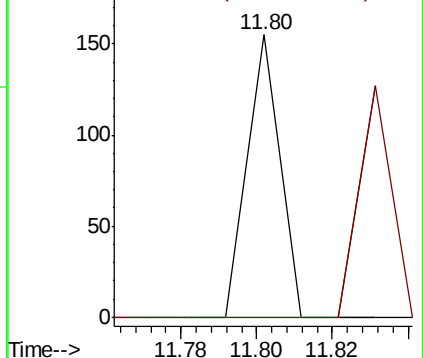
75 100

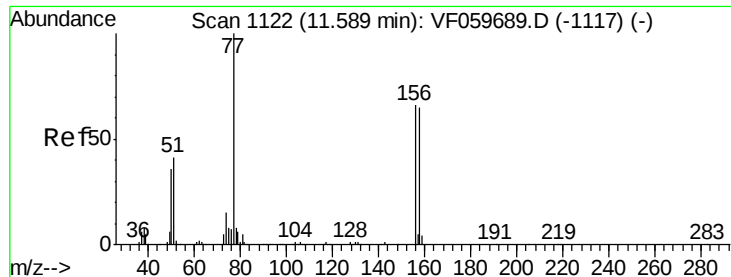
77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.86 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.09 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

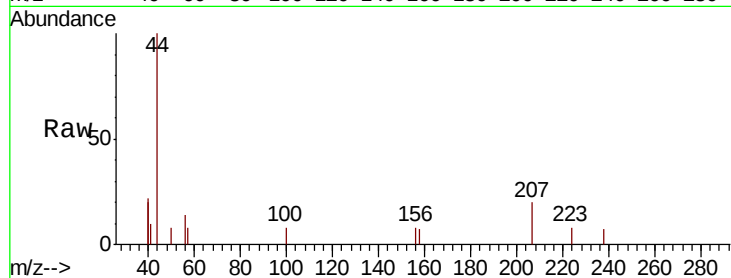
Tot Ion:156 Resp: 67

Ion Ratio Lower Upper

156 100

77 0.0 75.2 225.6#

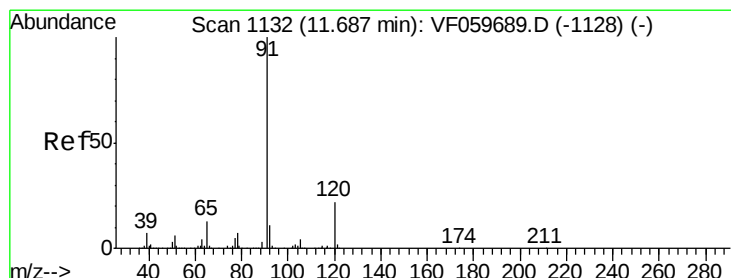
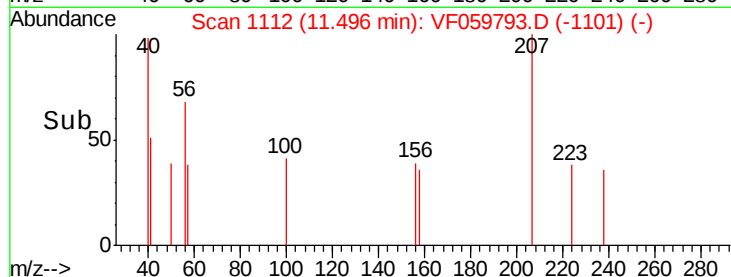
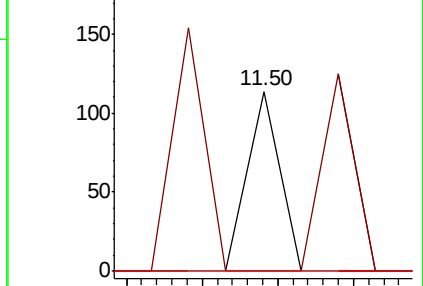
158 0.0 49.1 147.3#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 9.54 ug/l

RT: 11.55 min Scan# 1117

Delta R.T. -0.14 min

Lab File: VF059793.D

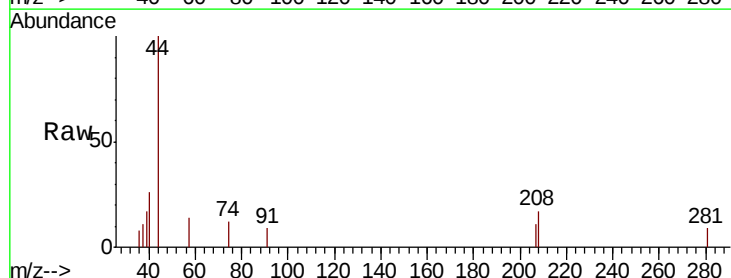
Acq: 2 Aug 2018 11:10

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

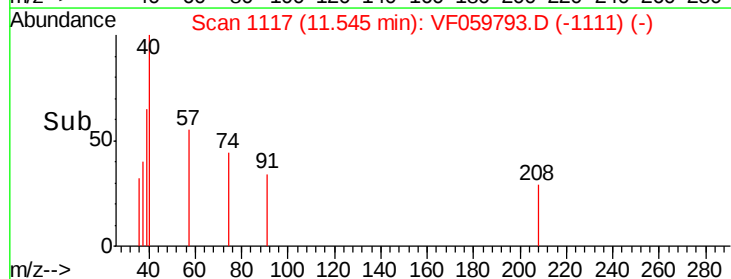
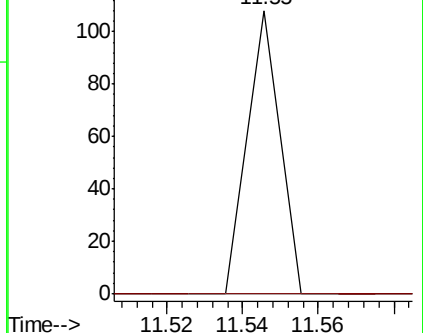
91 100

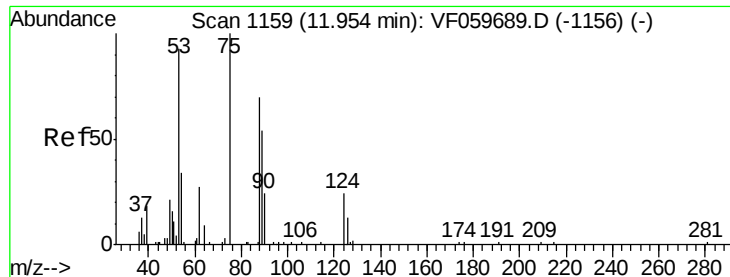
120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 302.16 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.15 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

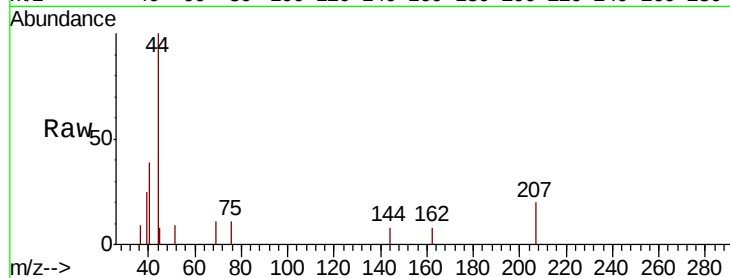
Tot Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

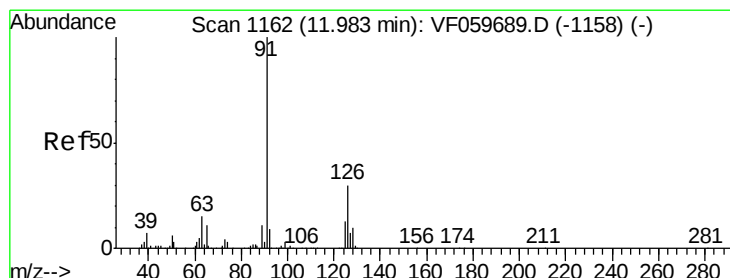
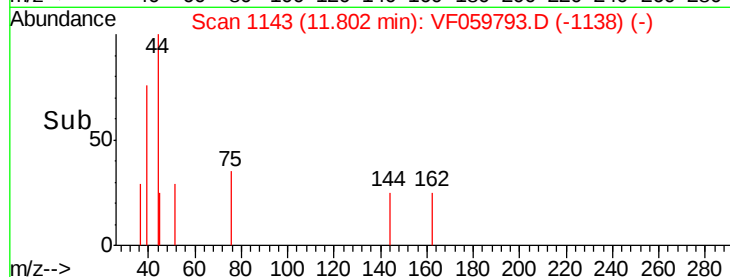
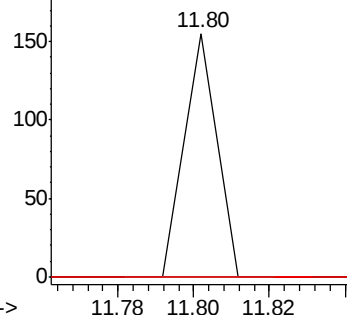
89 0.0 45.4 68.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.34 ug/l

RT: 12.03 min Scan# 1166

Delta R.T. 0.05 min

Lab File: VF059793.D

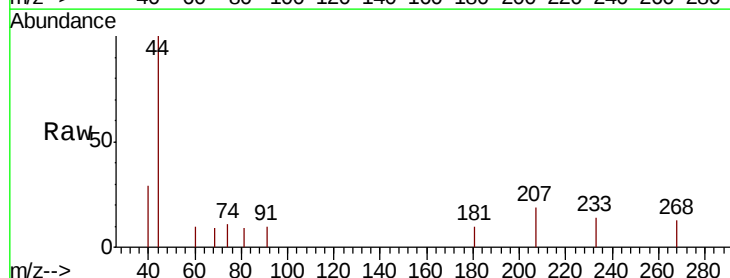
Acq: 2 Aug 2018 11:10

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

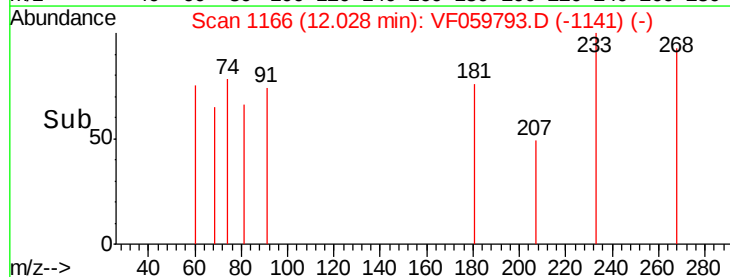
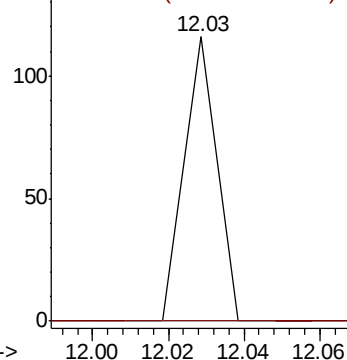
91 100

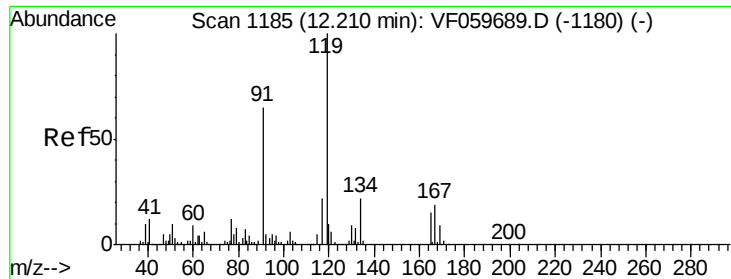
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.10 ug/l

RT: 12.10 min Scan# 1173

Delta R.T. -0.11 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

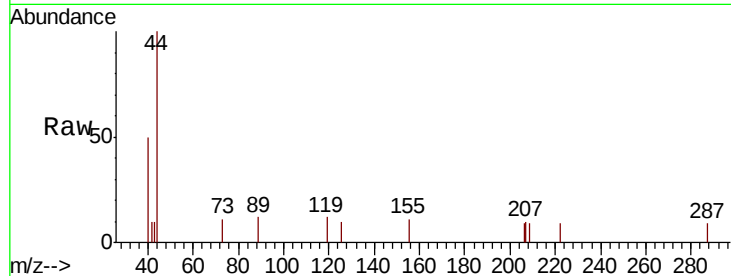
Tot Ion:119 Resp: 87

Ion Ratio Lower Upper

119 100

91 0.0 32.8 98.4#

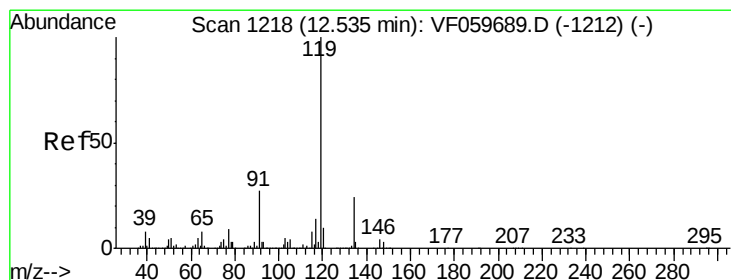
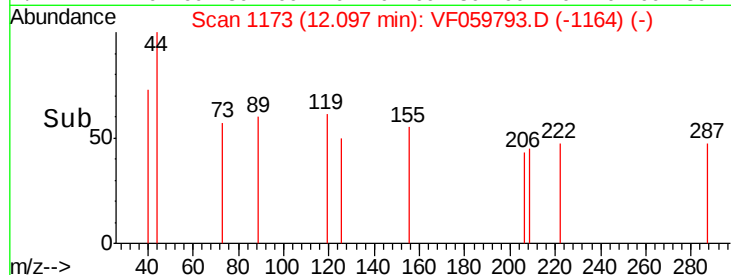
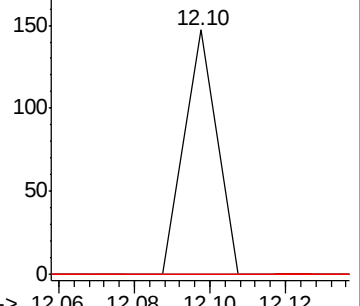
134 0.0 10.9 32.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.78 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.04 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

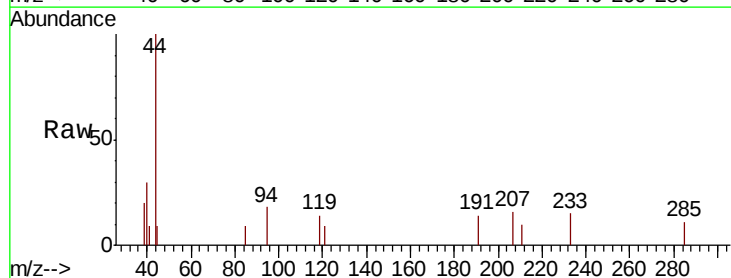
Tgt Ion:119 Resp: 102

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

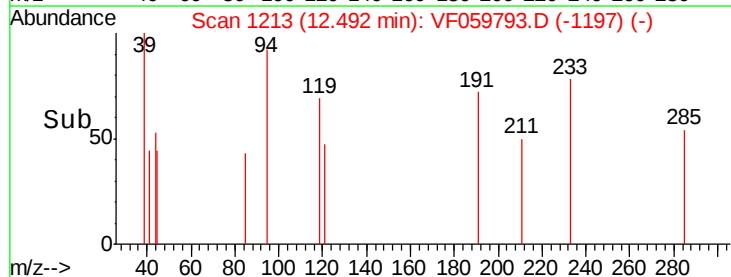
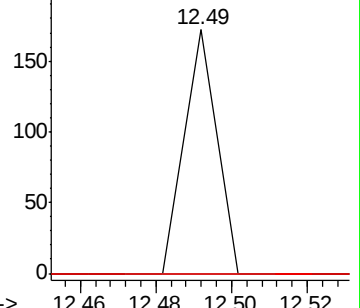
91 0.0 13.4 40.2#

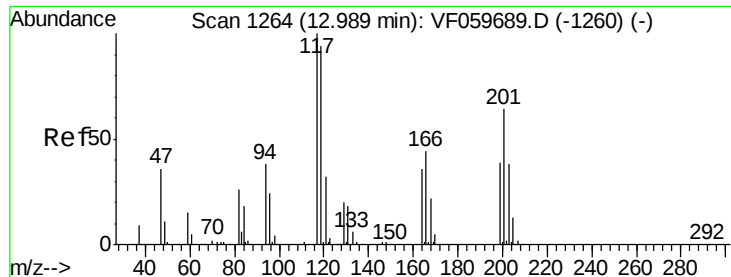


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#90

Hexachloroethane

Concen: 88.05 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.06 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

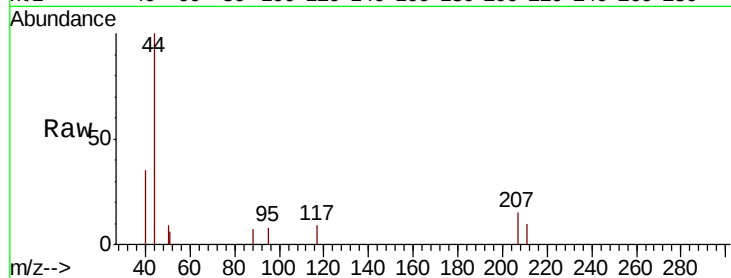
2018-NYSEG-CLARK-AREA-7

Tot Ion:117 Resp: 102

Ion Ratio Lower Upper

117 100

201 0.0 31.9 95.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.04

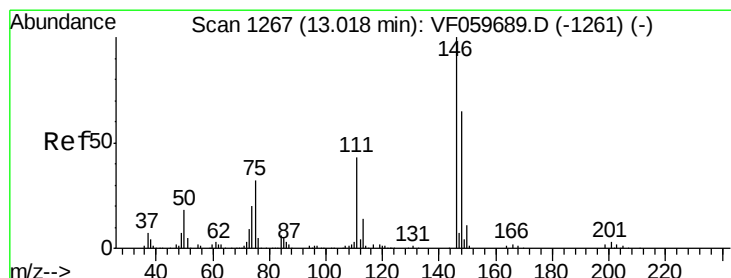
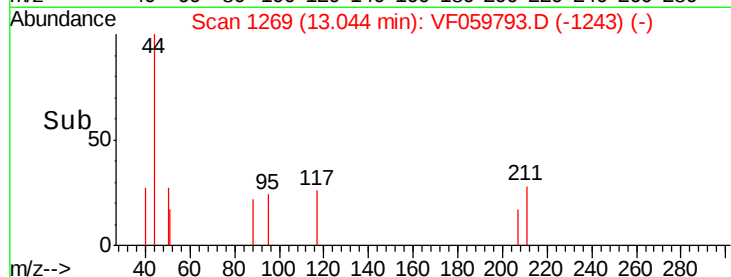
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 38.11 ug/l

RT: 13.16 min Scan# 1281

Delta R.T. 0.14 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

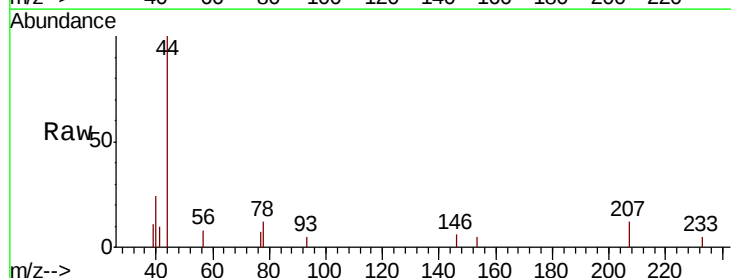
Tgt Ion:146 Resp: 75

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

148 0.0 32.3 96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.16

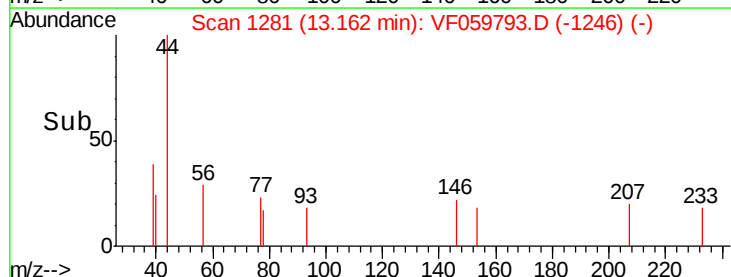
150

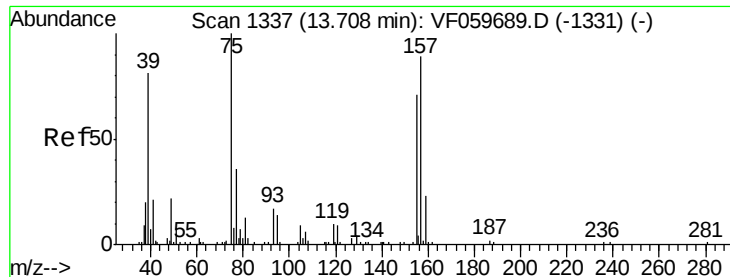
100

50

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 326.46 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

Instrument :

MSVOA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-7

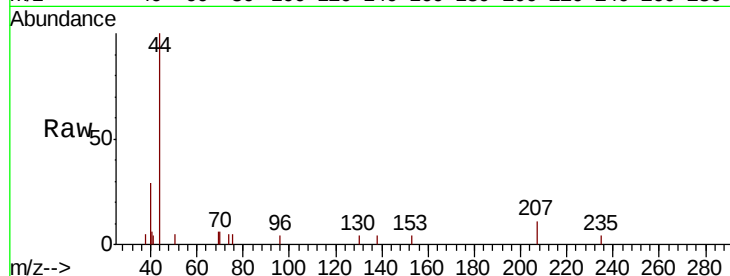
Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

157 0.0 44.4 133.2#

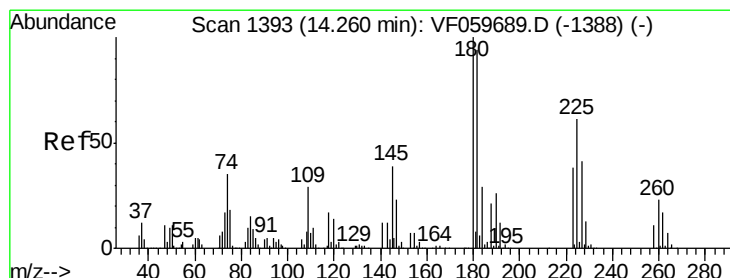
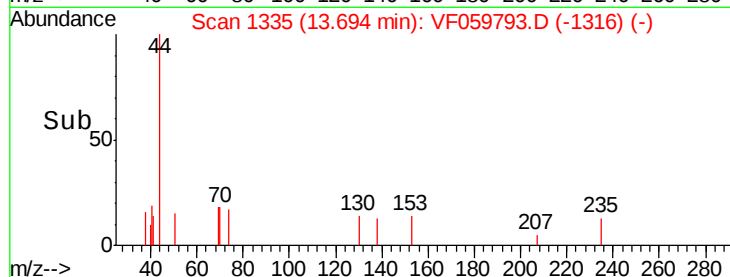
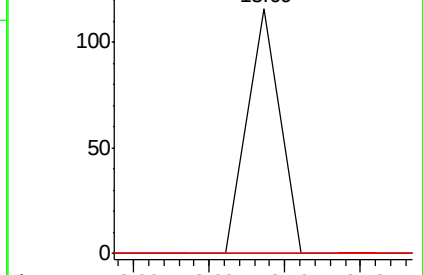


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.69



#93

1,2,4-Trichlorobenzene

Concen: 51.28 ug/l

RT: 14.11 min Scan# 1377

Delta R.T. -0.15 min

Lab File: VF059793.D

Acq: 2 Aug 2018 11:10

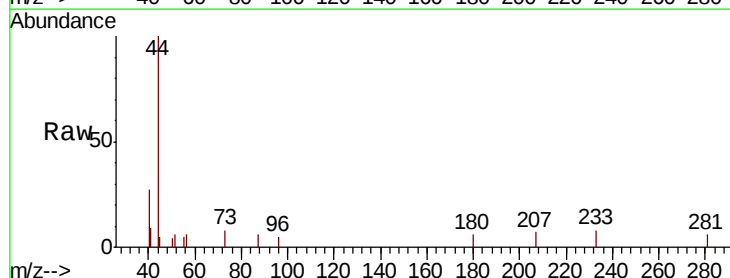
Tgt Ion: 180 Resp: 78

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 0.0 19.3 57.9#

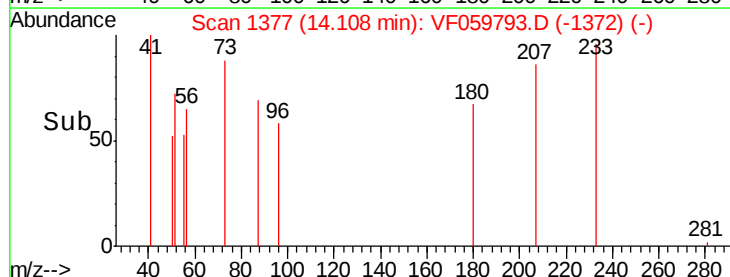
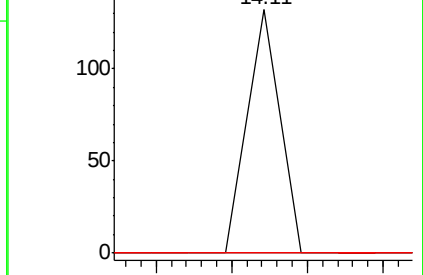


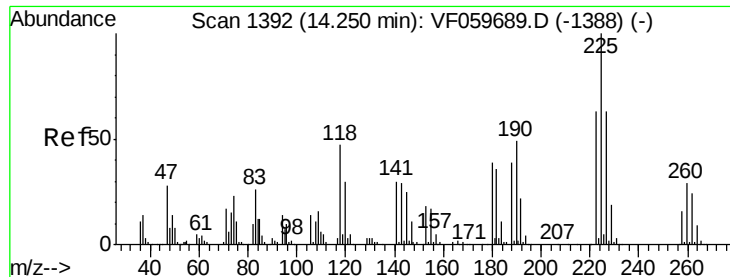
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.11

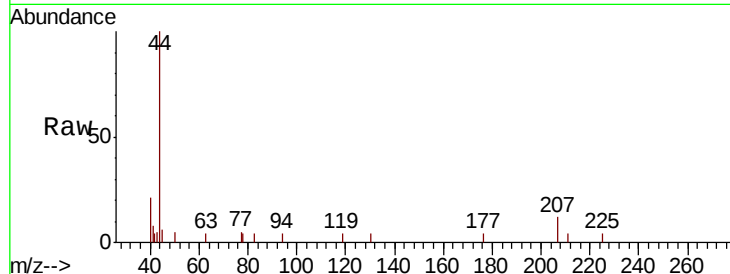




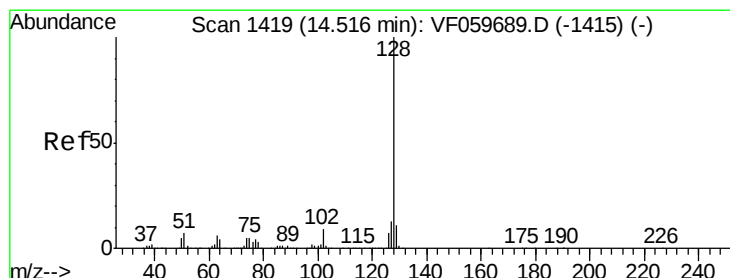
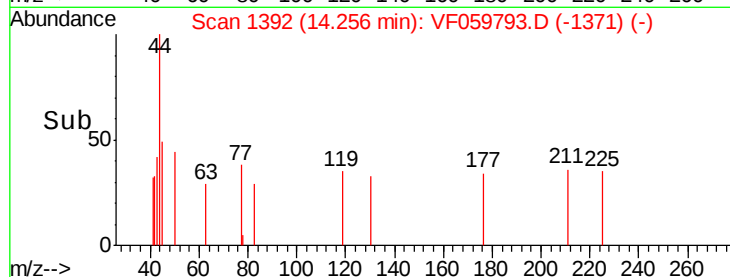
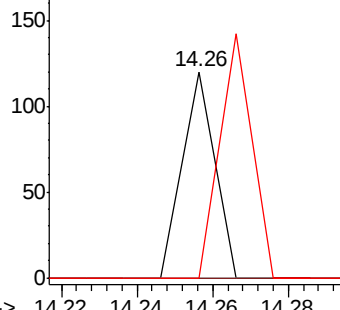
#94
Hexachlorobutadiene
Concen: 61.84 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-7

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.4	94.2#
227	0.0	31.5	94.5#

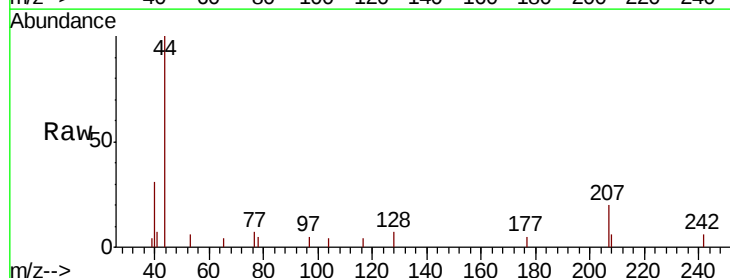


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#95
Naphthalene
Concen: 109.67 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059793.D
Acq: 2 Aug 2018 11:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

