

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059921.D
 Acq On : 7 Aug 2018 14:25
 Operator : VA/AP
 Sample : J4347-01RE
 Misc : 3.79g/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 15:30:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 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	-5.04
34) 1,4-Difluorobenzene	5.63	114	70	50.00	ug/l	-0.15
63) Chlorobenzene-d5	9.69	117	61	50.00	ug/l	-0.24
72) 1,4-Dichlorobenzene-d4	12.57	152	72	50.00	ug/l	-0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.11	65	68	0.00	ug/l	0.09
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	11.25	95	73	87.67	ug/l	-0.26
Spiked Amount	50.000		Recovery	=	175.34%	

Target Compounds						Qvalue
36) 1,1-Dichloropropene	4.47	75	59	72.869	ug/l #	46
37) Ethyl Acetate	4.19	43	76	218.613	ug/l #	1
39) Methylcyclohexane	5.41	83	64	105.401	ug/l #	13
40) Benzene	4.69	78	70	50.476	ug/l #	49
41) Methacrylonitrile	4.80	41	140	763.079	ug/l #	62
42) 1,2-Dichloroethane	5.05	62	65	57.977	ug/l	88
43) Isopropyl Acetate	6.96	43	86	240.243	ug/l #	46
44) Trichloroethene	5.40	130	95	176.172	ug/l	1
45) 1,2-Dichloropropane	6.35	63	88	236.839	ug/l #	50
46) Dibromomethane	6.13	93	62	165.372	ug/l #	3
48) Methyl methacrylate	6.67	41	276	991.044	ug/l #	12
49) 1,4-Dioxane	6.82	88	72	33172.278	ug/l #	16
51) 4-Methyl-2-Pentanone	8.15	43	86	234.968	ug/l #	43
54) cis-1,3-Dichloropropene	7.20	75	66	81.986	ug/l #	61
56) Ethyl methacrylate	8.49	69	69	162.809	ug/l #	7
58) 2-Chloroethyl Vinyl ether	7.56	63	61	1252.512	ug/l	100
59) 2-Hexanone	9.40	43	60	232.065	ug/l #	34
60) Dibromochloromethane	8.64	129	60	86.876	ug/l #	13
64) Tetrachloroethene	8.25	164	106	201.436	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.13	131	66	107.160	ug/l #	10
67) Ethyl Benzene	10.16	91	67	31.061	ug/l #	48
73) Isopropylbenzene	11.36	105	93	20.738	ug/l #	51
74) N-ethyl acetate	11.43	43	62	55.521	ug/l #	1
76) 1,2,3-Trichloropropane	11.86	75	150	207.418	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.80	105	67	16.089	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.86	75	150	577.461	ug/l #	13
82) 4-Chlorotoluene	12.01	91	60	16.494	ug/l #	43
83) tert-Butylbenzene	12.19	119	71	17.516	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.23	105	66	15.410	ug/l #	34
85) sec-Butylbenzene	12.36	105	59	10.954	ug/l #	59
86) p-Isopropyltoluene	12.52	119	76	16.788	ug/l #	49
89) n-Butylbenzene	12.82	91	138	31.986	ug/l #	31
90) Hexachloroethane	13.06	117	72	57.637	ug/l #	13
91) 1,2-Dichlorobenzene	13.04	146	72	32.378	ug/l #	22

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QLast Update : Sat Aug 04 07:08:36 2018
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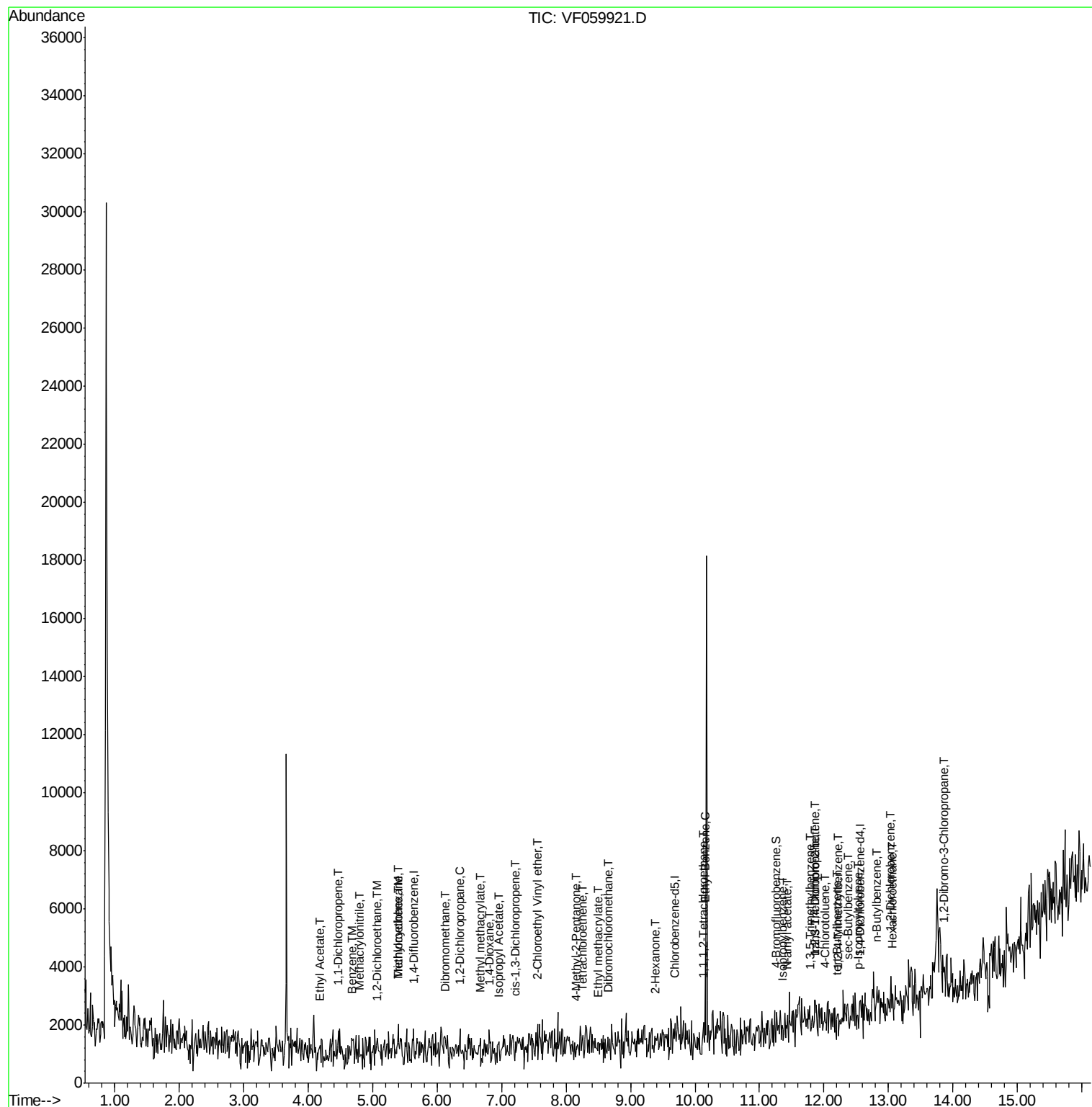
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.87	75	81	381.610	ug/l #	1

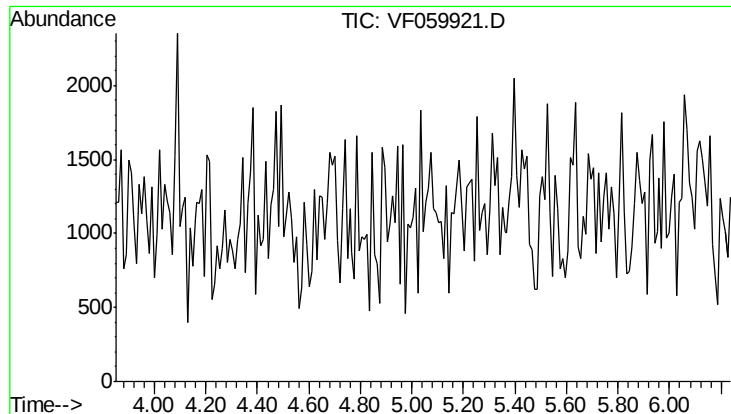
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 5.04 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Tot Ion: 168

Sig Exp Ratio

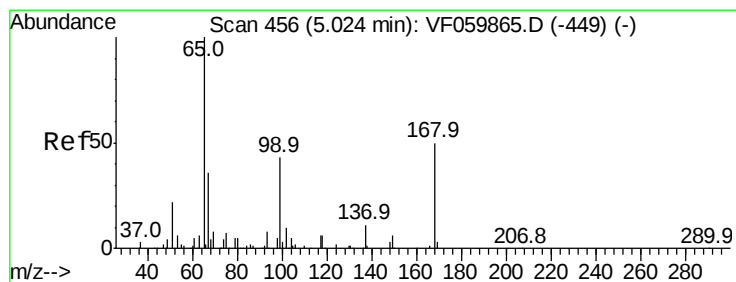
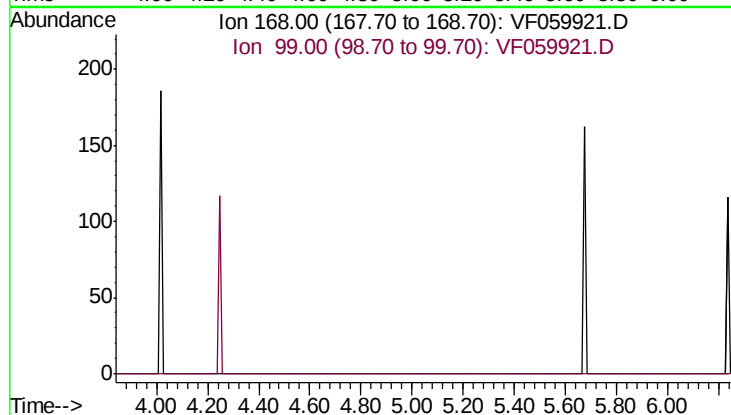
168 100

99 82.9

Instrument :

MSVOA_F

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.09 min

Lab File: VF059921.D

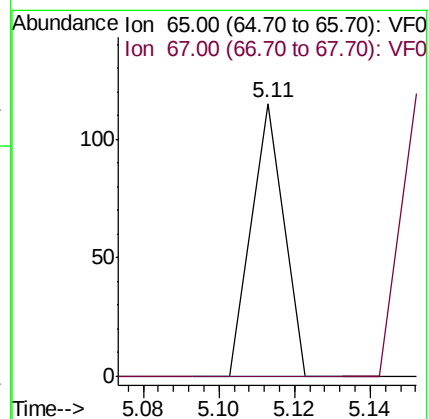
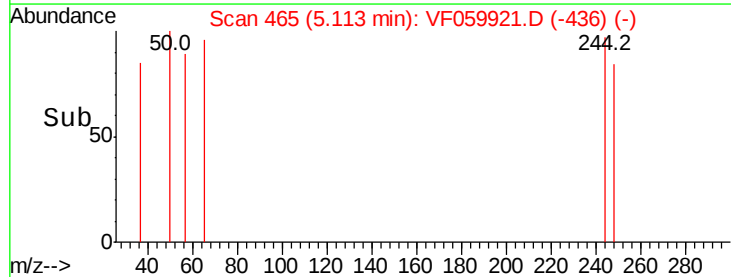
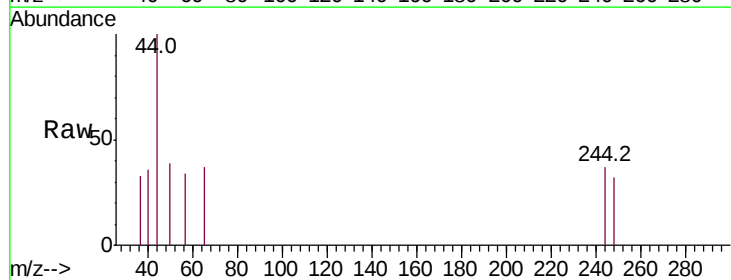
Acq: 7 Aug 2018 14:25

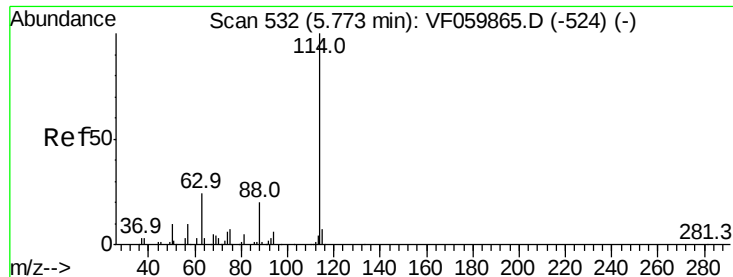
Tgt Ion: 65 Resp: 68

Ion Ratio Lower Upper

65 100

67 0.0 0.0 77.2

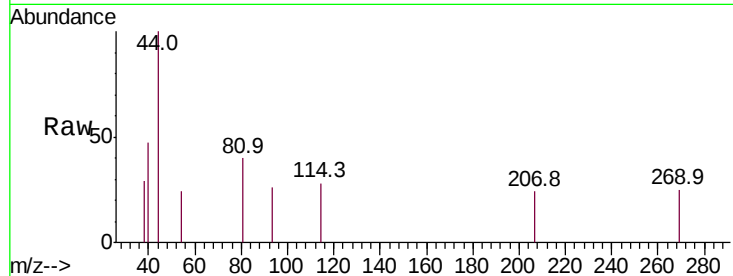




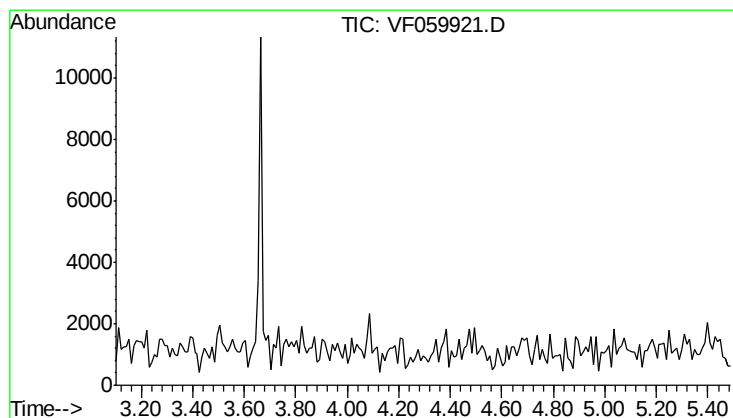
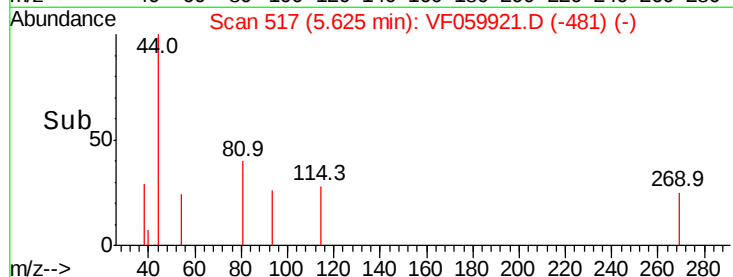
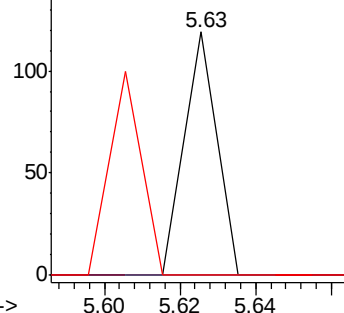
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.15 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	48.0
88	0.0	0.0	39.4



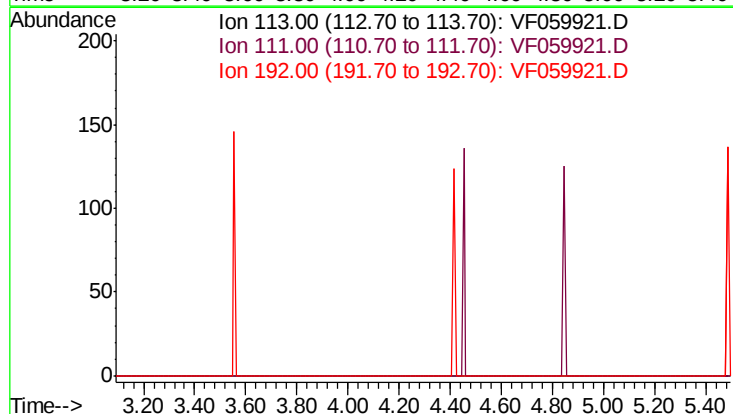
Abundance Ion 114.00 (113.70 to 114.70): VF059921.D
Ion 63.00 (62.70 to 63.70): VF059921.D
Ion 88.00 (87.70 to 88.70): VF059921.D

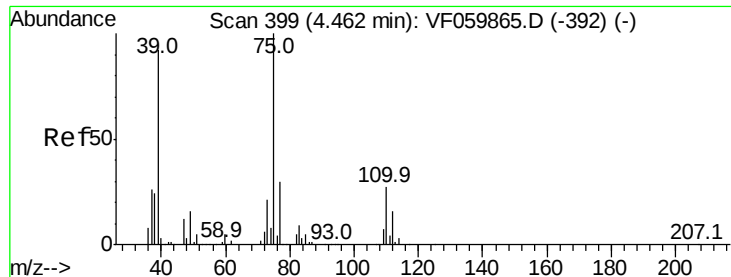


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.29 min

Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion	Exp Ratio
113	100
111	102.3
192	15.5

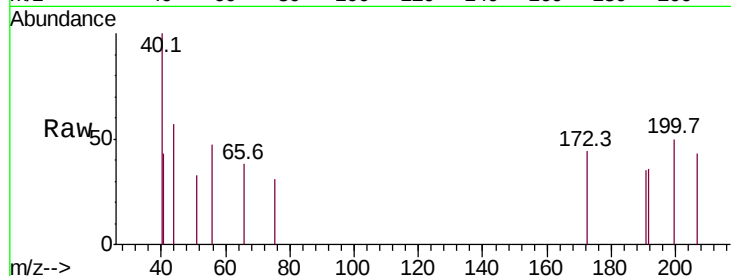




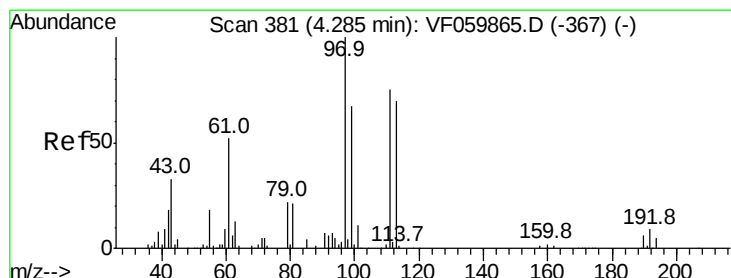
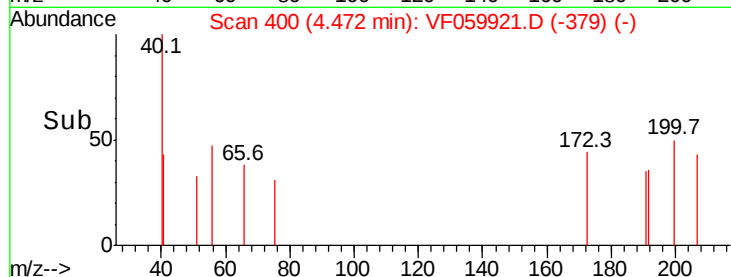
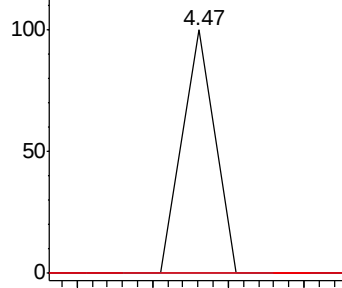
#36
 1,1-Dichloropropene
 Concen: 72.869 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF059921.D
 Acq: 7 Aug 2018 14:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 110 0.0 13.6 40.7#
 77 0.0 23.7 35.5#

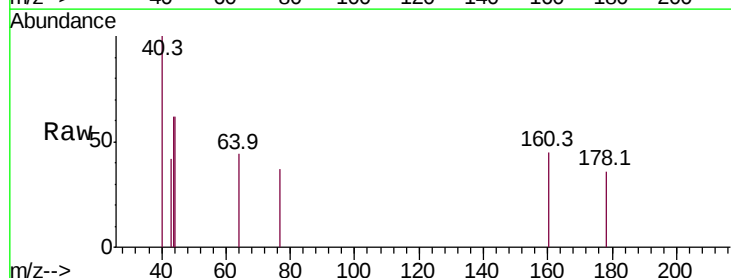


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): VF0
 Ion 77.00 (76.70 to 77.70): VF0

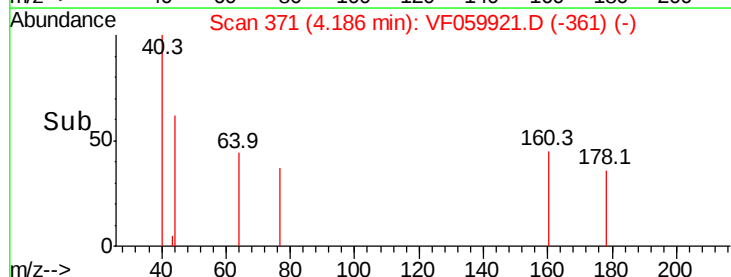
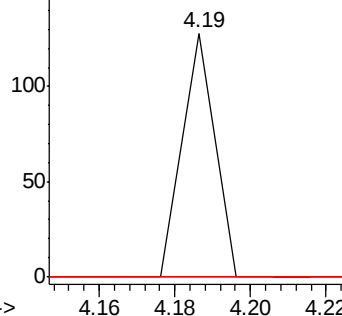


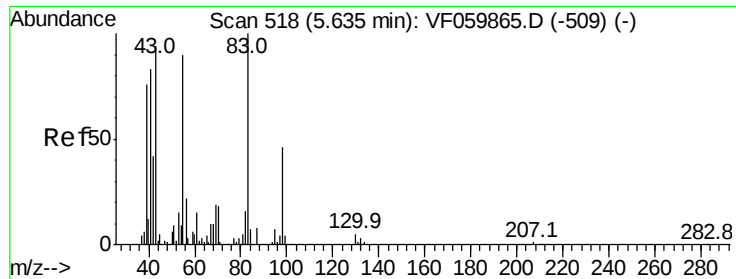
#37
 Ethyl Acetate
 Concen: 218.613 ug/l
 RT: 4.19 min Scan# 371
 Delta R.T. -0.10 min
 Lab File: VF059921.D
 Acq: 7 Aug 2018 14:25

Tgt Ion: 43 Resp: 76
 Ion Ratio Lower Upper
 43 100
 61 0.0 123.7 185.5#
 70 0.0 7.8 11.8#



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

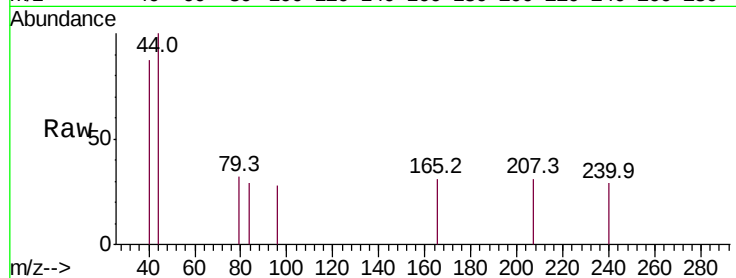




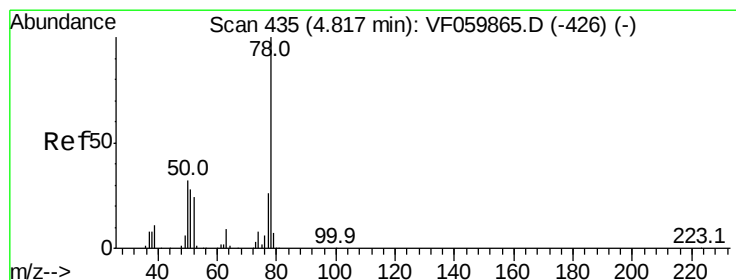
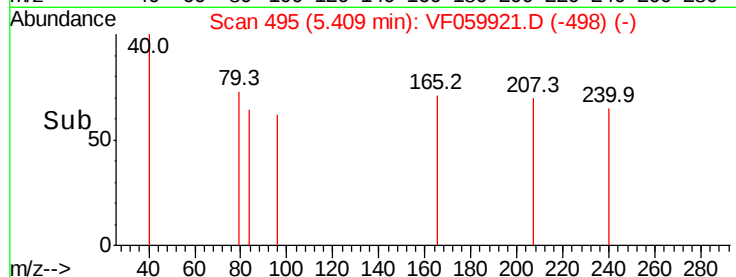
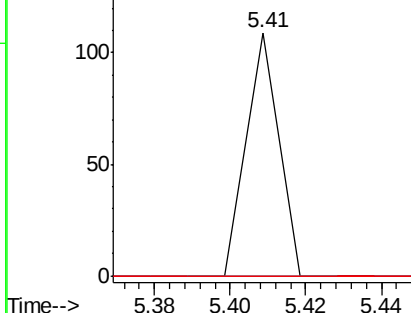
#39
Methylcyclohexane
Concen: 105.401 ug/l
RT: 5.41 min Scan# 495
Delta R.T. -0.23 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 54.8#

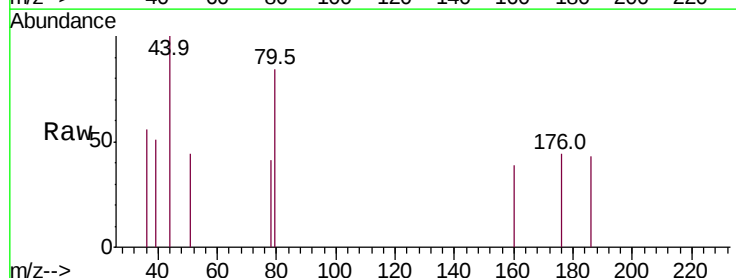


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

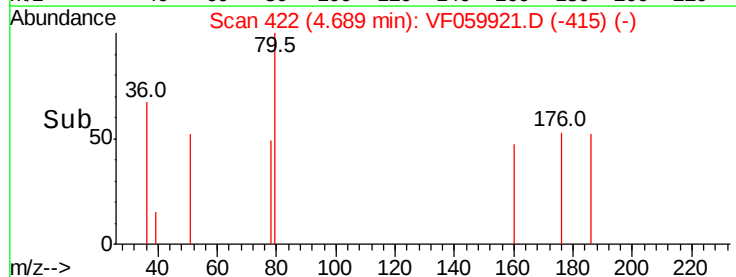
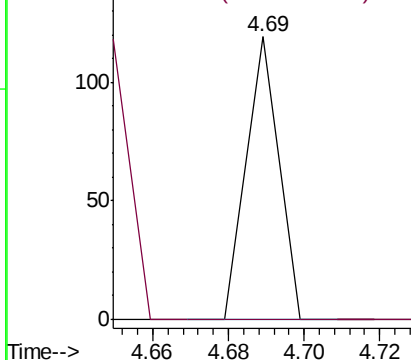


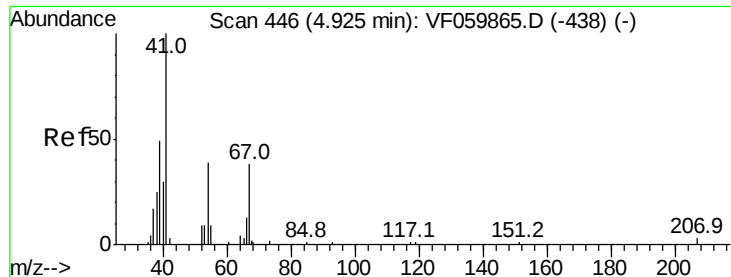
#40
Benzene
Concen: 50.476 ug/l
RT: 4.69 min Scan# 422
Delta R.T. -0.13 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion: 78 Resp: 70
Ion Ratio Lower Upper
78 100
77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 763.079 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.13 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 41 Resp: 140

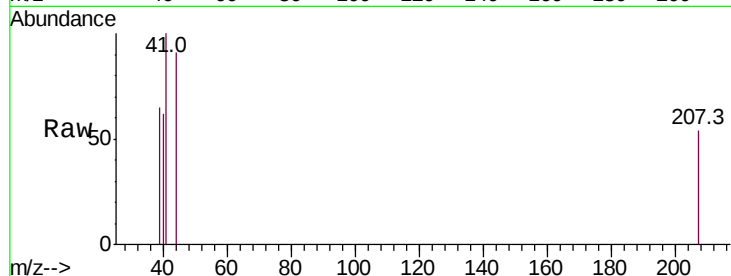
Ion Ratio Lower Upper

41 100

39 65.4 55.1 82.7

67 0.0 30.3 45.5#

52 0.0 36.0 54.0#

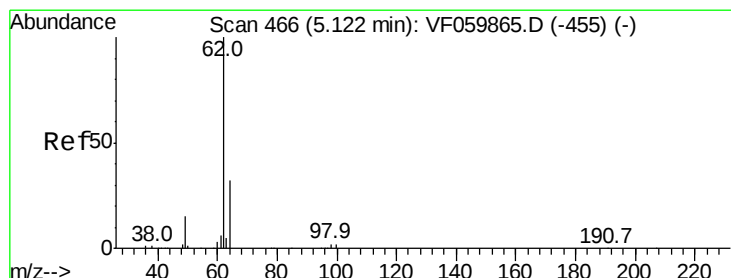
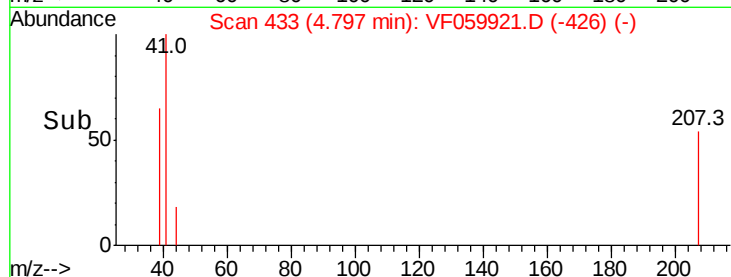
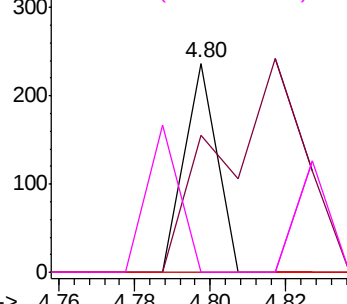


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 57.977 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.07 min

Lab File: VF059921.D

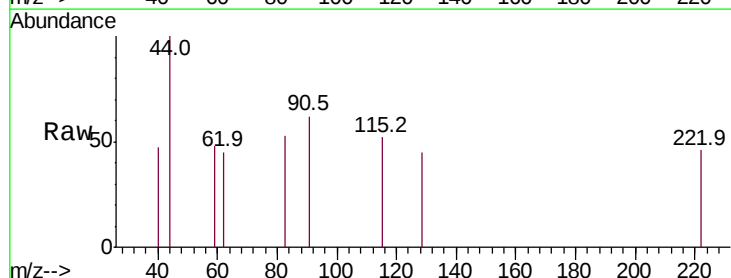
Acq: 7 Aug 2018 14:25

Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

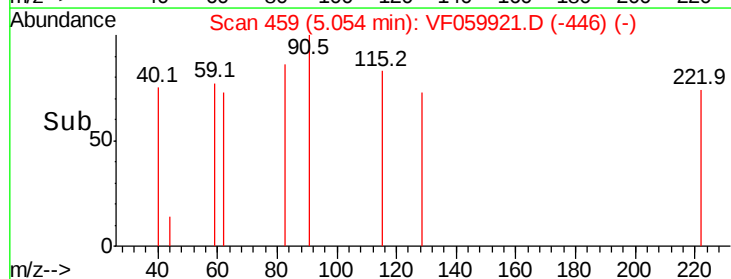
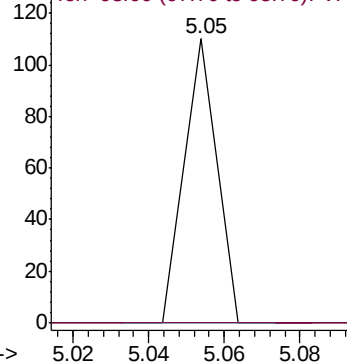
62 100

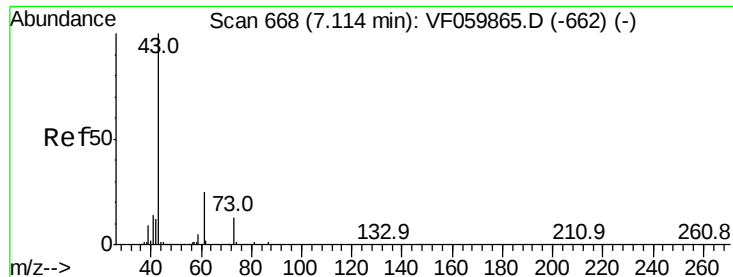
98 0.0 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



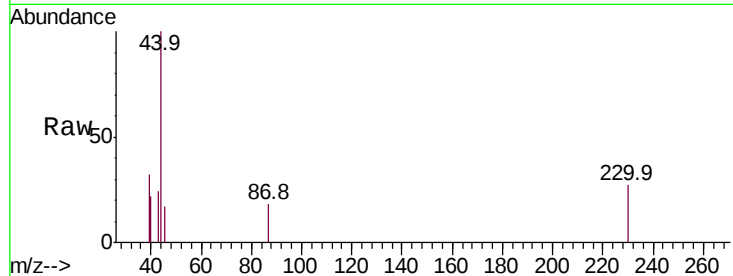


#43

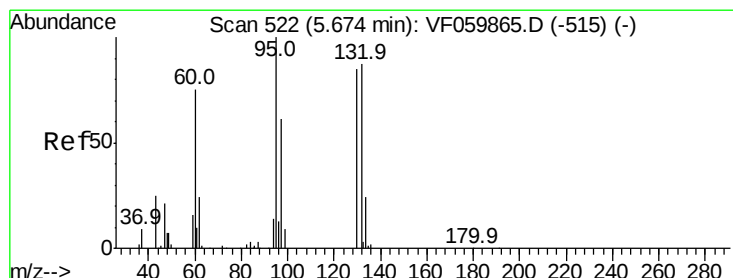
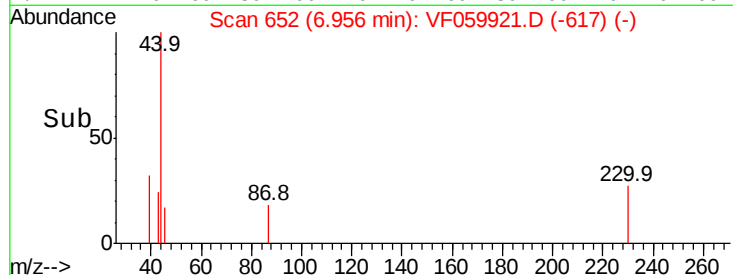
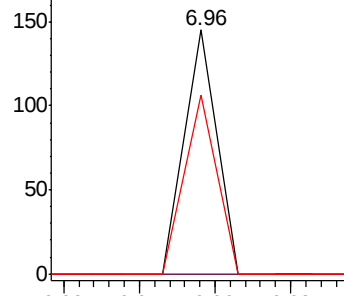
Isopropyl Acetate
 Concen: 240.243 ug/l
 RT: 6.96 min Scan# 652
 Delta R.T. -0.16 min
 Lab File: VF059921.D
 Acq: 7 Aug 2018 14:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 86
 Ion Ratio Lower Upper
 43 100
 61 0.0 20.3 30.5#
 87 73.1 0.7 1.1#



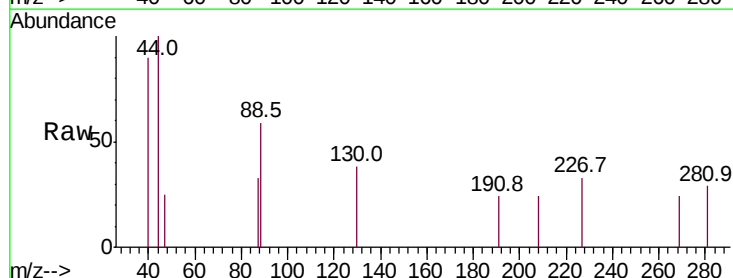
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



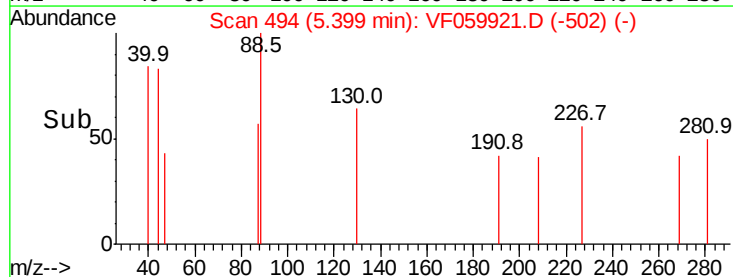
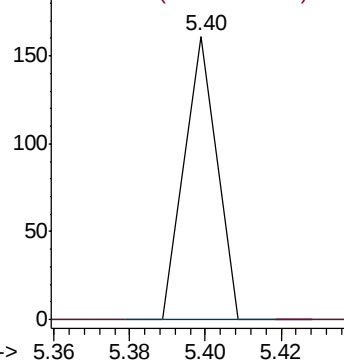
#44

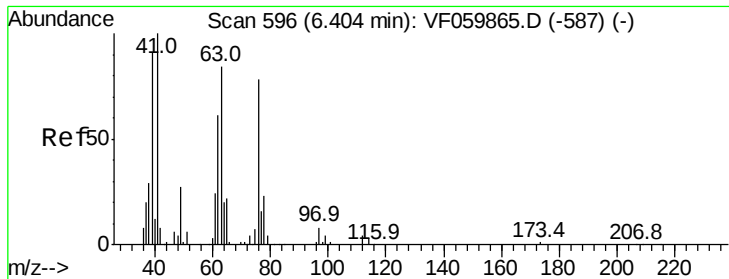
Trichloroethene
 Concen: 176.172 ug/l
 RT: 5.40 min Scan# 494
 Delta R.T. -0.28 min
 Lab File: VF059921.D
 Acq: 7 Aug 2018 14:25

Tgt Ion:130 Resp: 95
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 236.8



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





#45

1,2-Dichloropropane

Concen: 236.839 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.05 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

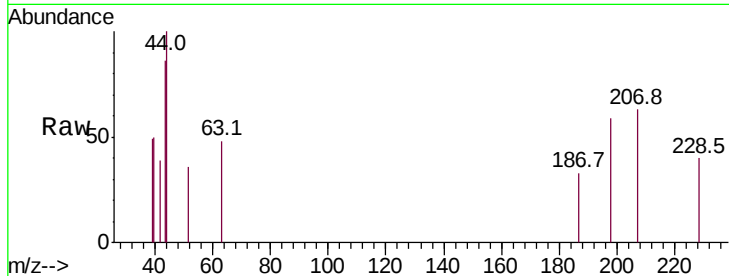
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 88

Ion Ratio Lower Upper

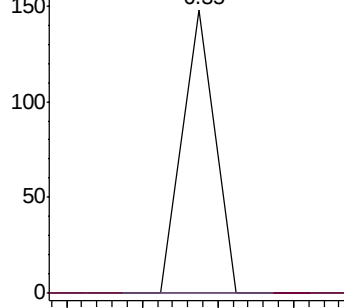
63 100

65 0.0 20.4 30.6#

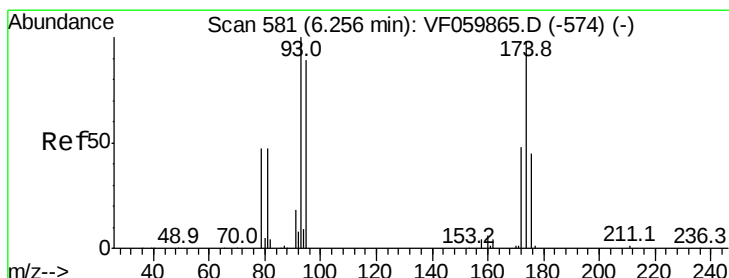
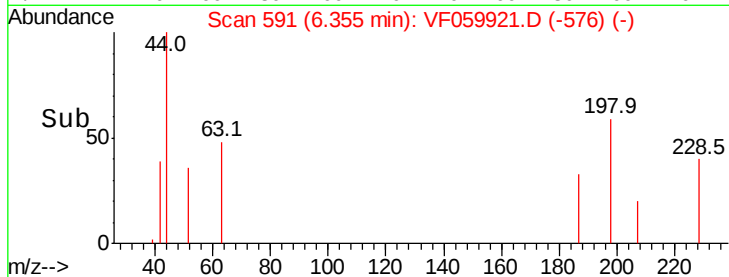


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#46

Dibromomethane

Concen: 165.372 ug/l

RT: 6.13 min Scan# 568

Delta R.T. -0.13 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

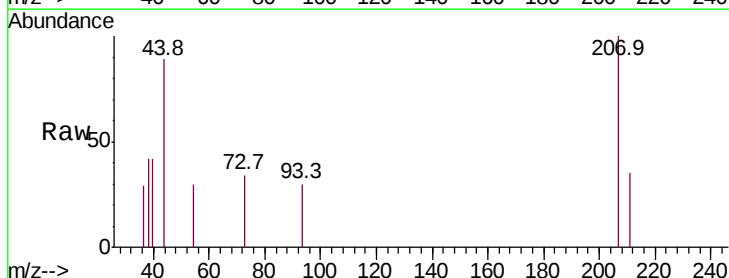
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

93 100

95 0.0 71.4 107.2#

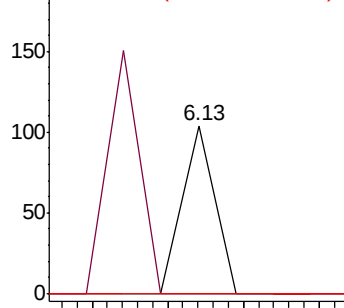
174 0.0 78.1 117.1#



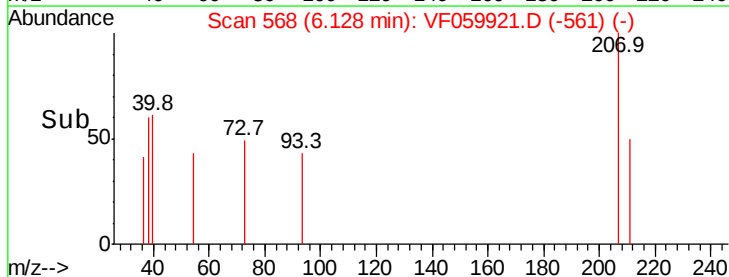
Abundance Ion 93.00 (92.70 to 93.70): VF0

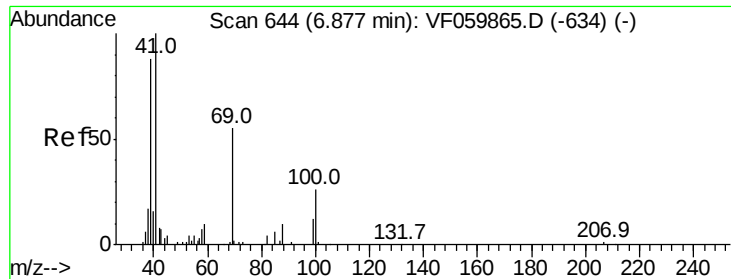
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->

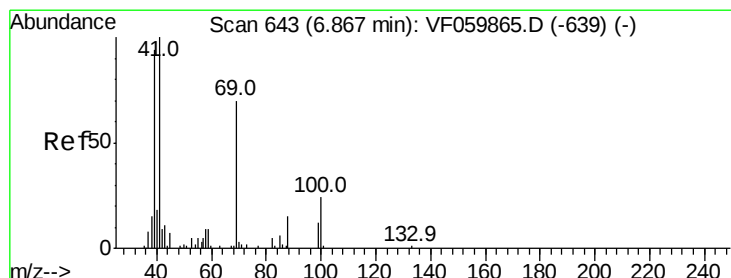
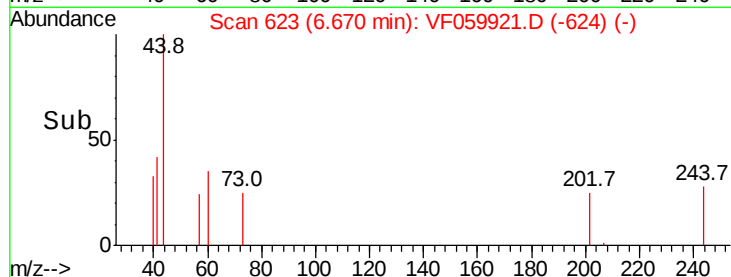
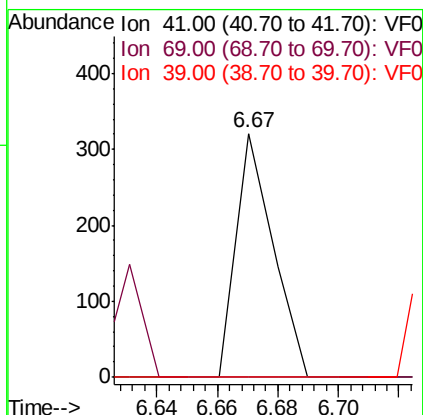
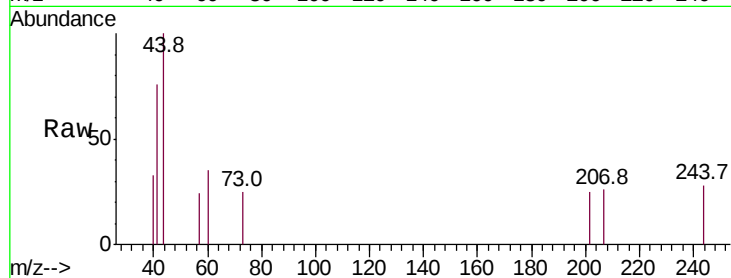




#48
Methvl methacrylate
Concen: 991.044 ug/l
RT: 6.67 min Scan# 623
Delta R.T. -0.21 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

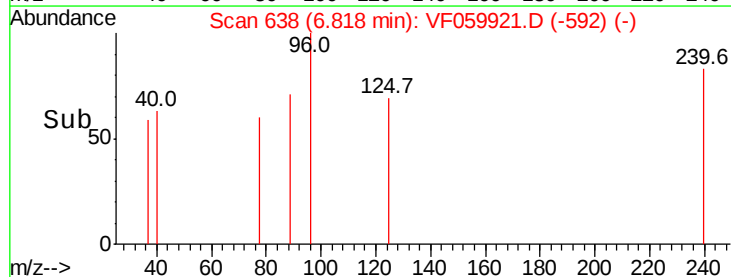
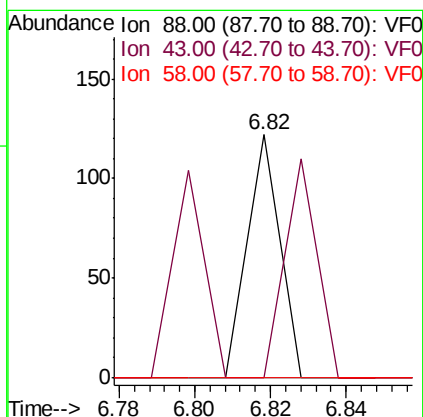
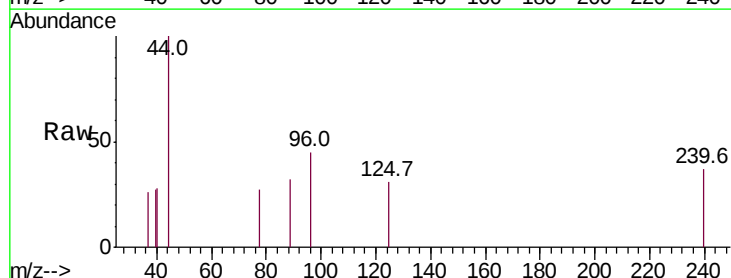
Instrument :
MSVOA_F
ClientSampleId :

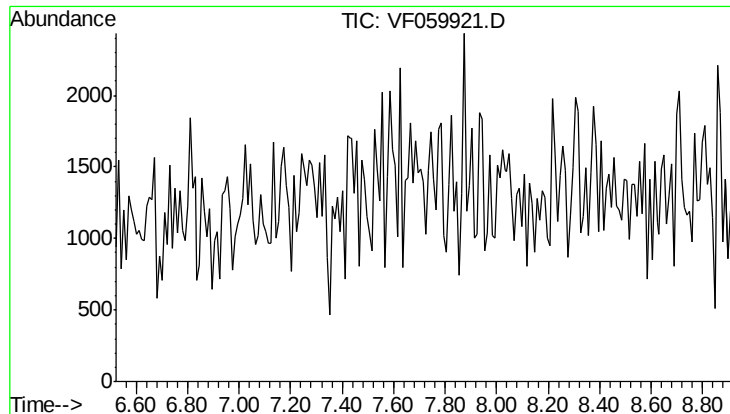
Tot Ion: 41 Resp: 276
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 70.6 106.0#



#49
1,4-Dioxane
Concen: 33172.278 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.05 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 58.3 87.5#
58 0.0 49.4 74.2#

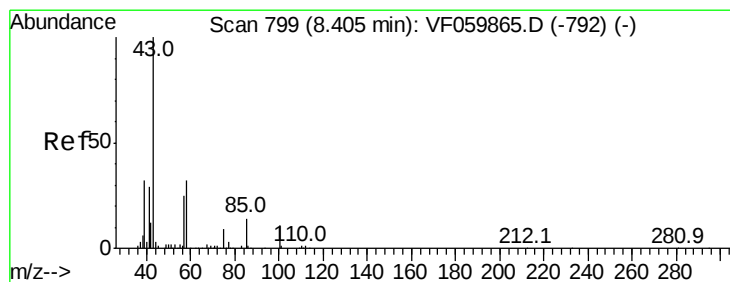
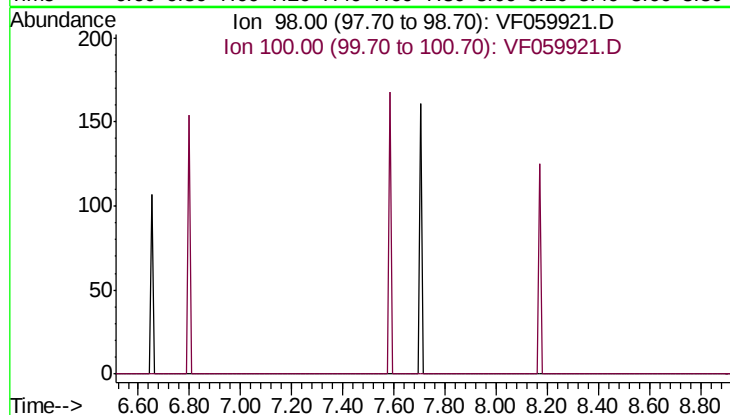




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.71 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

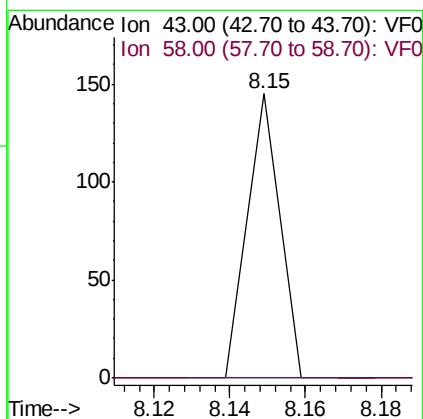
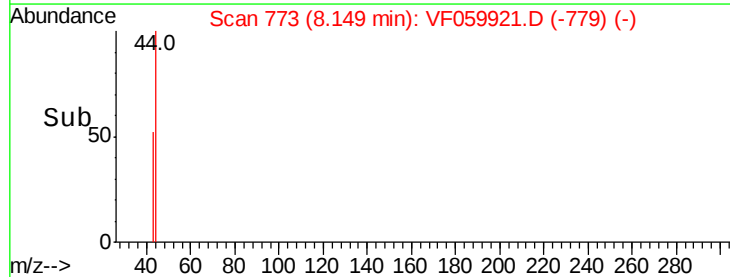
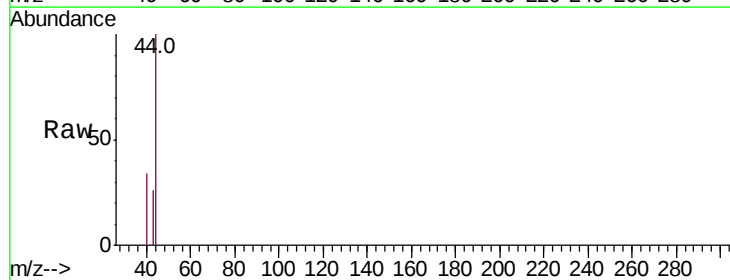
Instrument :
MSVOA_F
ClientSampleId :

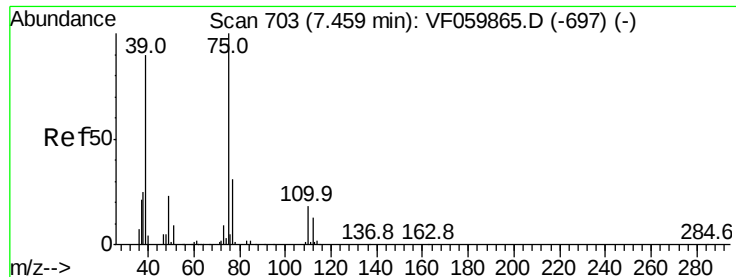
Tot Ion: 98
Sig Exp Ratio
98 100
100 68.8



#51
4-Methyl-2-Pentanone
Concen: 234.968 ug/l
RT: 8.15 min Scan# 773
Delta R.T. -0.26 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 81.986 ug/l

RT: 7.20 min Scan# 677

Delta R.T. -0.26 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

ClientSampleId :

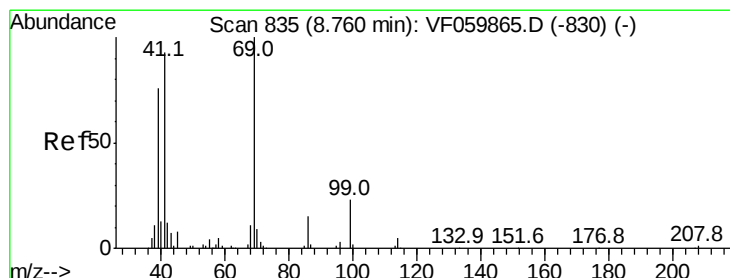
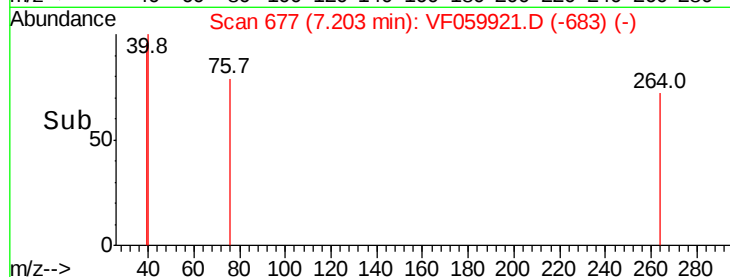
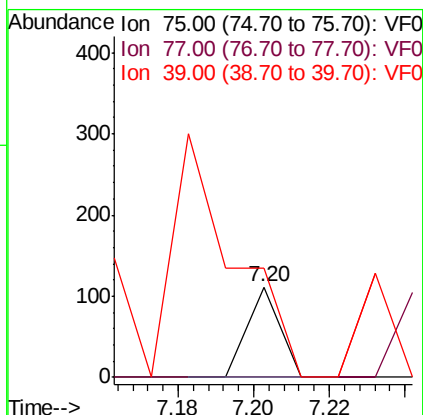
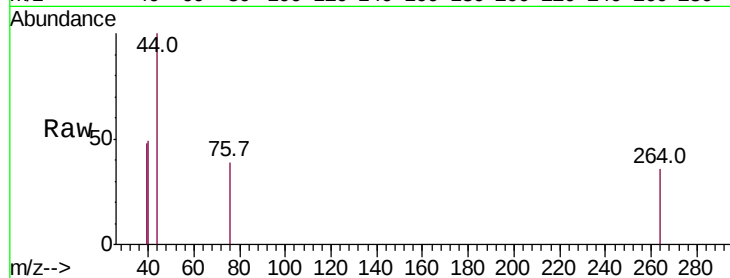
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 121.6 72.0 108.0#



#56

Ethyl methacrylate

Concen: 162.809 ug/l

RT: 8.49 min Scan# 808

Delta R.T. -0.27 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

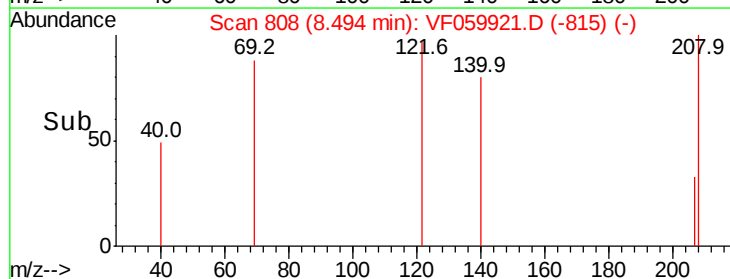
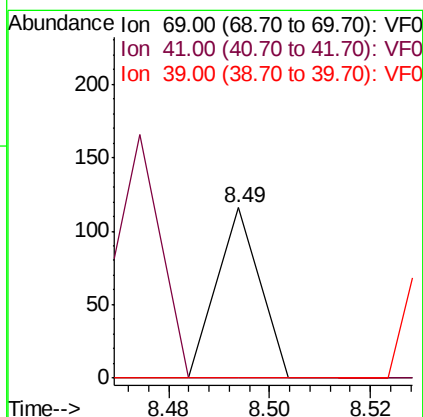
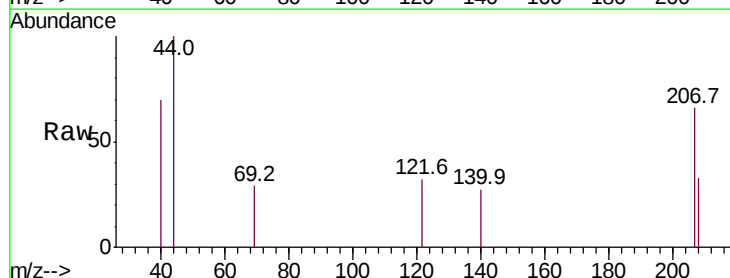
Tgt Ion: 69 Resp: 69

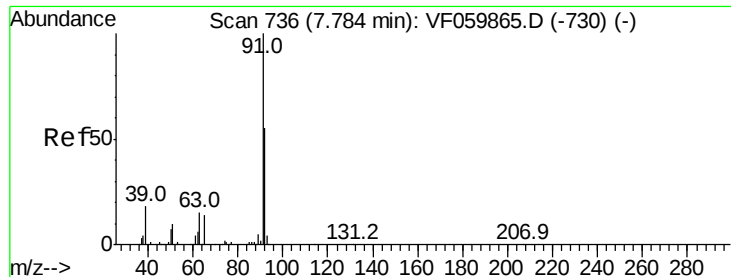
Ion Ratio Lower Upper

69 100

41 0.0 74.7 112.1#

39 0.0 61.1 91.7#





#58

2-Chloroethyl Vinyl ether

Concen: 1252.512 ug/l

RT: 7.56 min Scan# 713

Delta R.T. -0.23 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

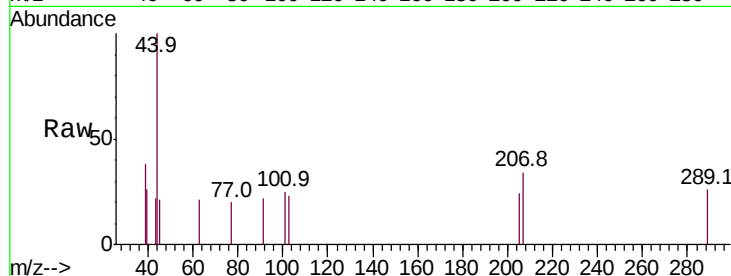
ClientSampled :

Tot Ion: 63 Resp: 61

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

120

100

80

60

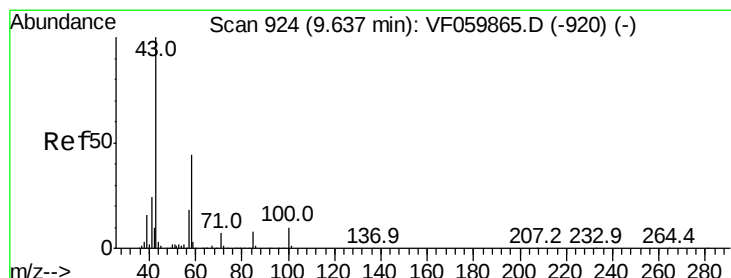
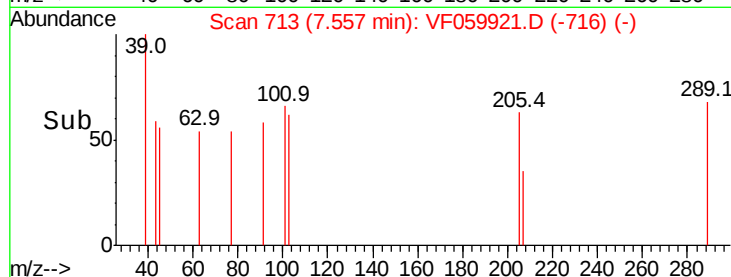
40

20

0

7.52 7.54 7.56 7.58

Time-->



#59

2-Hexanone

Concen: 232.065 ug/l

RT: 9.40 min Scan# 900

Delta R.T. -0.24 min

Lab File: VF059921.D

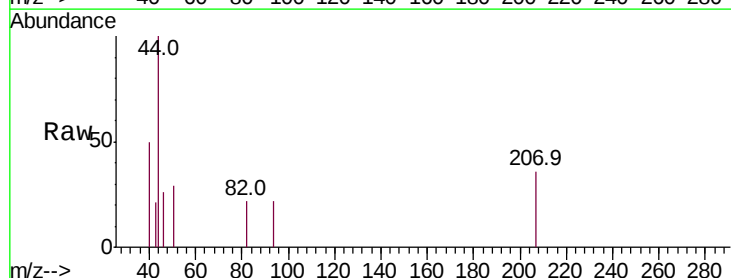
Acq: 7 Aug 2018 14:25

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 0.0 20.8 62.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120

100

80

60

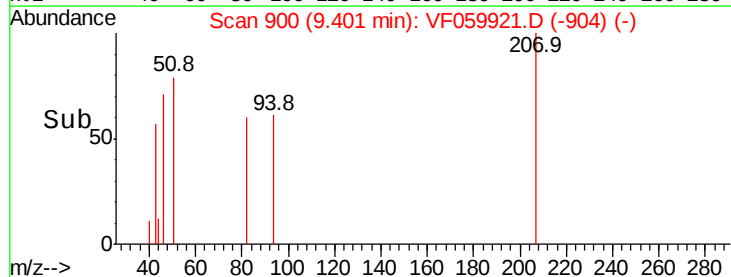
40

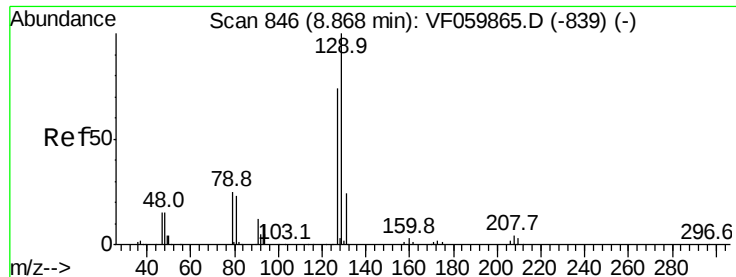
20

0

9.38 9.40 9.42

Time-->





#60

Dibromochloromethane

Concen: 86.876 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.23 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

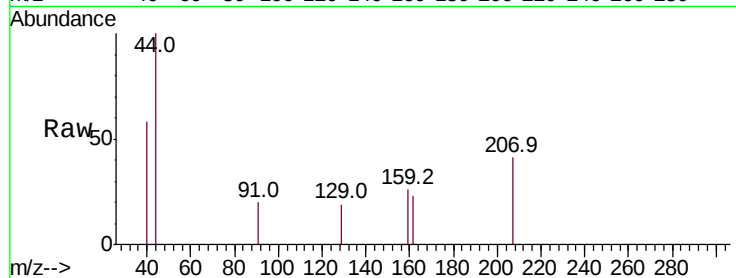
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:129 Resp: 60

Ion Ratio Lower Upper

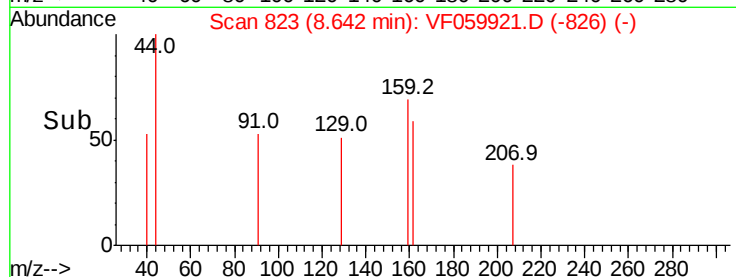
129 100

127 0.0 36.9 110.7#

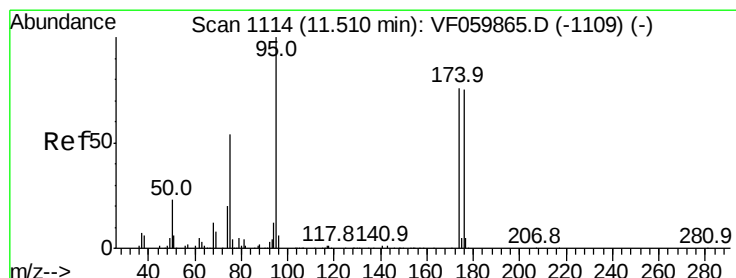


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

8.64



Time--> 8.62 8.64 8.66



#62

4-Bromofluorobenzene

Concen: 87.665 ug/l

RT: 11.25 min Scan# 1088

Delta R.T. -0.26 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

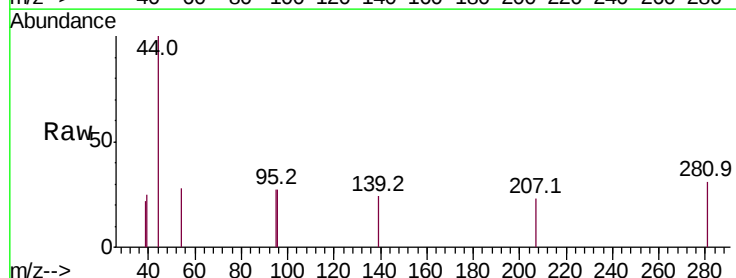
Tgt Ion: 95 Resp: 73

Ion Ratio Lower Upper

95 100

174 0.0 0.0 151.6

176 0.0 0.0 149.8

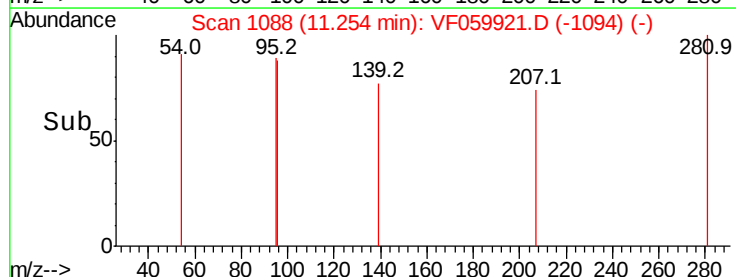


Abundance Ion 95.00 (94.70 to 95.70): VF0

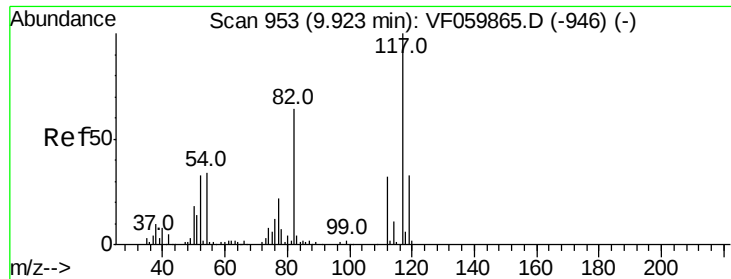
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.25



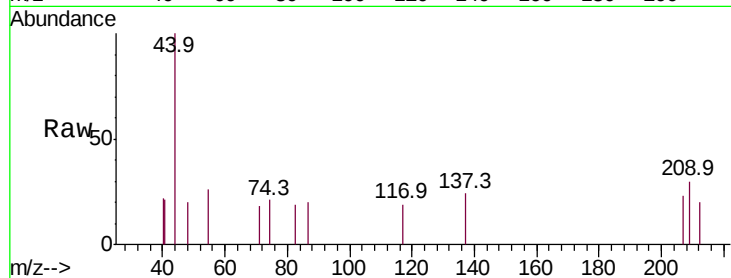
Time--> 11.22 11.24 11.26 11.28



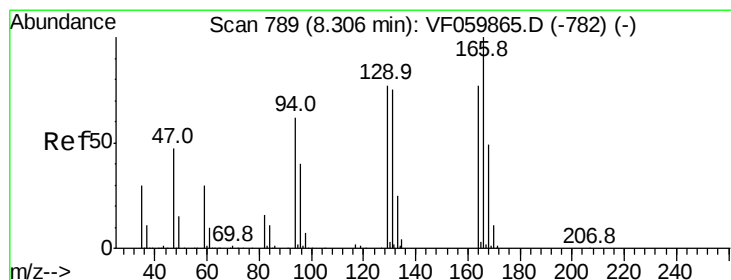
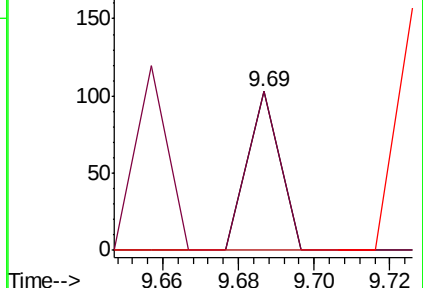
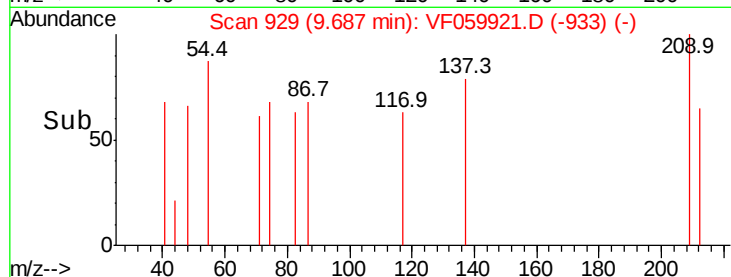
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.69 min Scan# 929
Delta R.T. -0.24 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 61
Ion Ratio Lower Upper
117 100
82 100.0 51.3 76.9#
119 0.0 26.4 39.6#

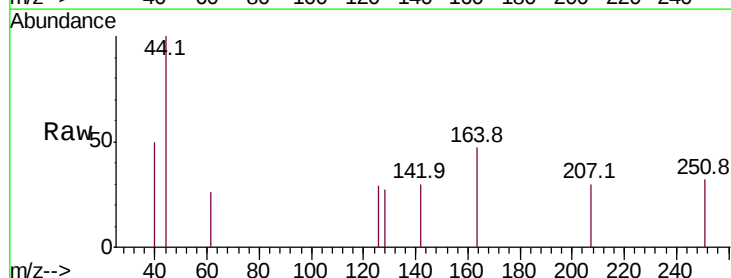


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

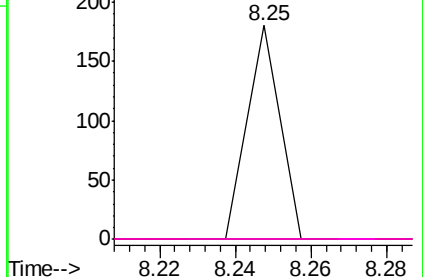
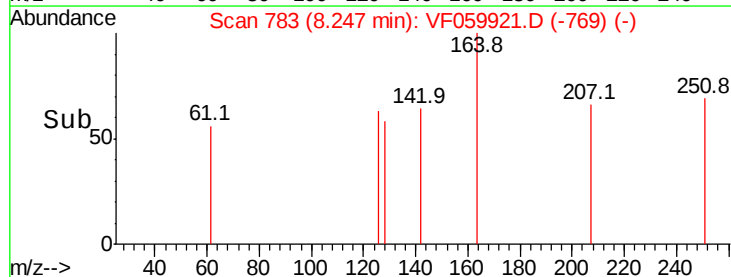


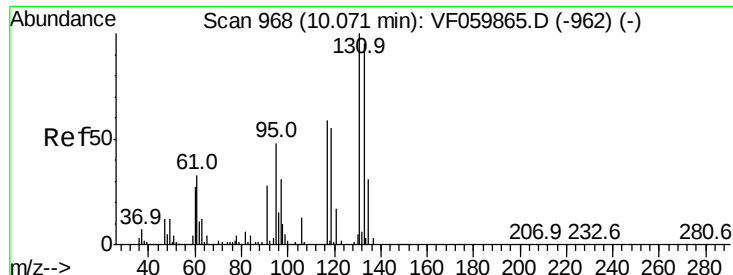
#64
Tetrachloroethene
Concen: 201.436 ug/l
RT: 8.25 min Scan# 783
Delta R.T. -0.06 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion:164 Resp: 106
Ion Ratio Lower Upper
164 100
166 0.0 104.4 156.6#
129 0.0 80.3 120.5#
131 0.0 78.5 117.7#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 107.160 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.06 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

ClientSampled :

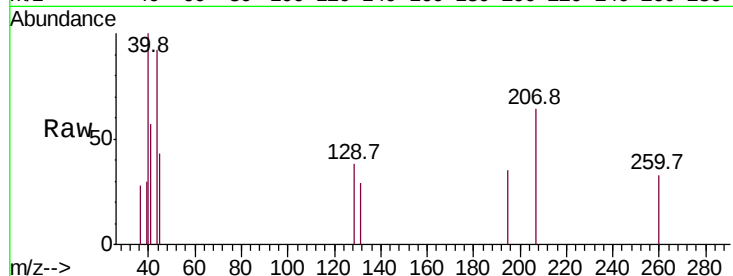
Tot Ion:131 Resp: 66

Ion Ratio Lower Upper

131 100

133 0.0 47.4 142.2#

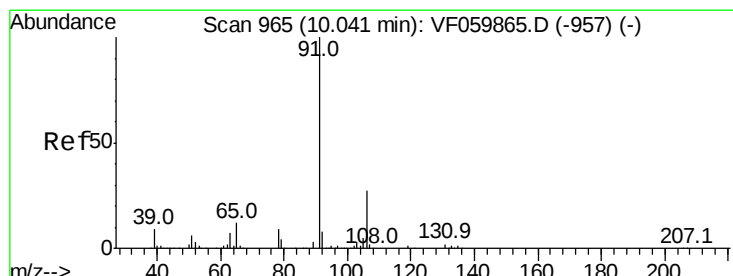
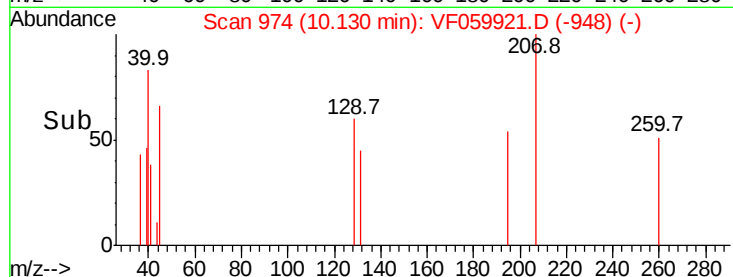
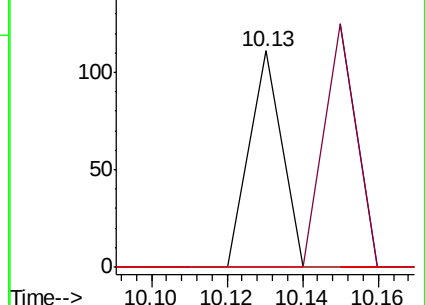
119 0.0 27.7 83.1#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 31.061 ug/l

RT: 10.16 min Scan# 977

Delta R.T. 0.12 min

Lab File: VF059921.D

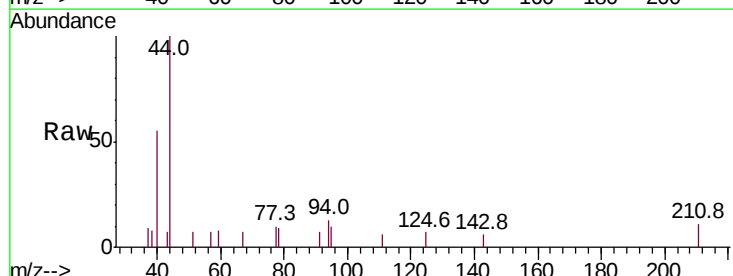
Acq: 7 Aug 2018 14:25

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

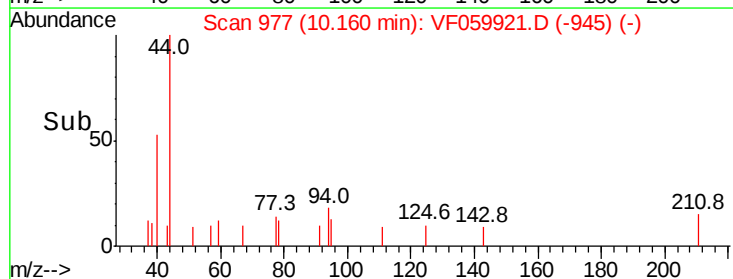
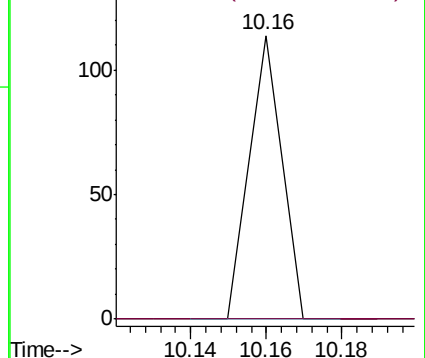
91 100

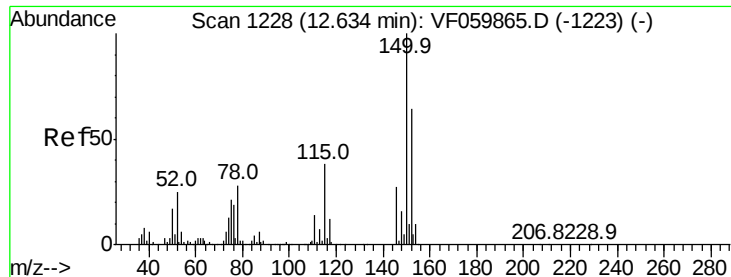
106 0.0 21.5 32.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



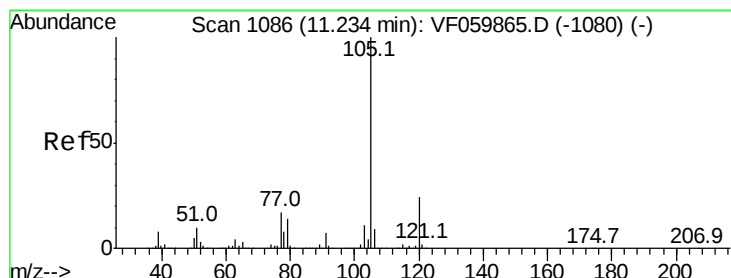
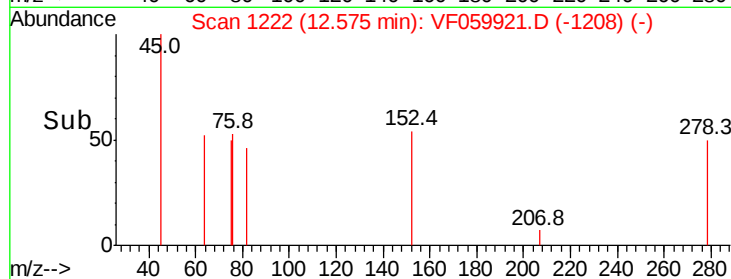
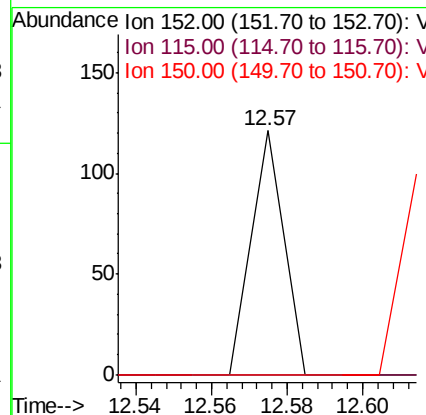
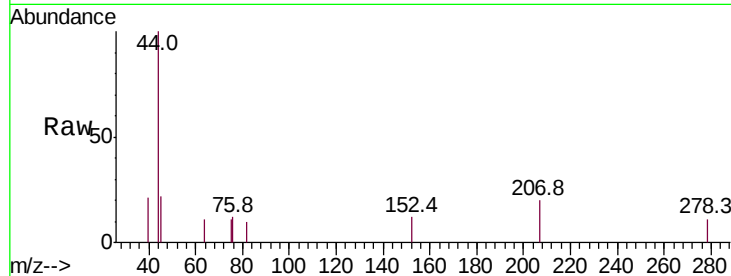


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1222
Delta R.T. -0.06 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Instrument :
MSVOA_F
ClientSampleId :

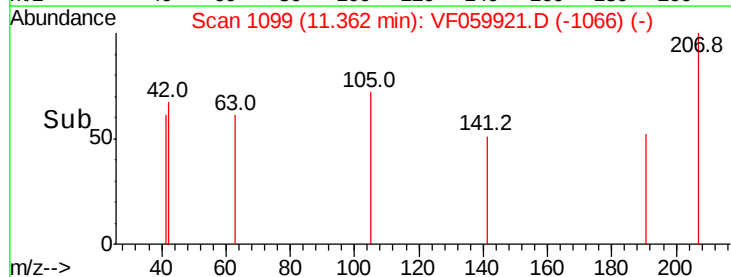
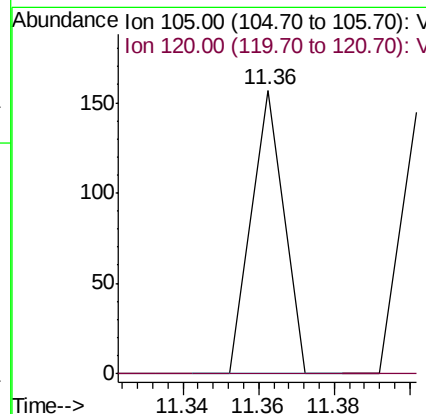
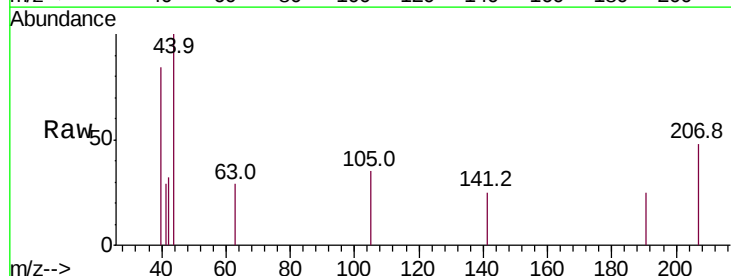
Tot Ion:152 Resp: 72
Ion Ratio Lower Upper
152 100
115 0.0 29.8 89.4#
150 0.0 0.0 315.6

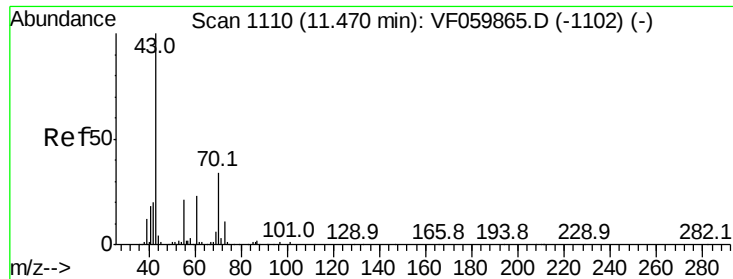


#73

Isopropylbenzene
Concen: 20.738 ug/l
RT: 11.36 min Scan# 1099
Delta R.T. 0.13 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion:105 Resp: 93
Ion Ratio Lower Upper
105 100
120 0.0 12.1 36.3#





#74

N-amvl acetate

Concen: 55.521 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.04 min

Lab File: VF059921.D

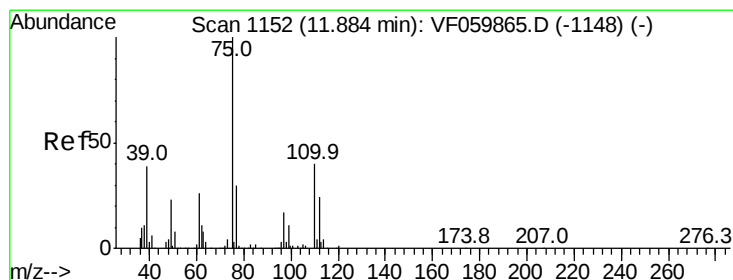
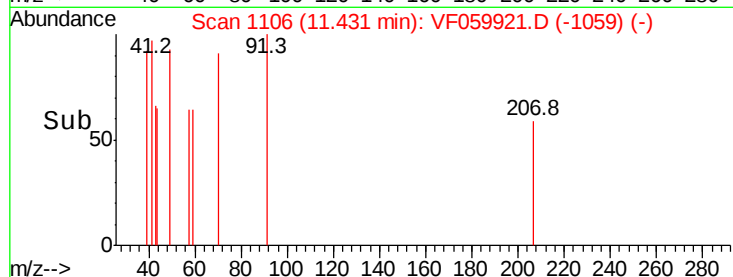
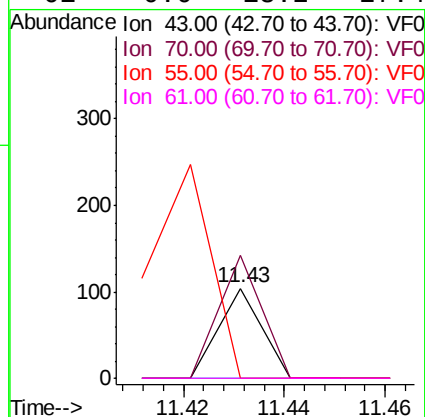
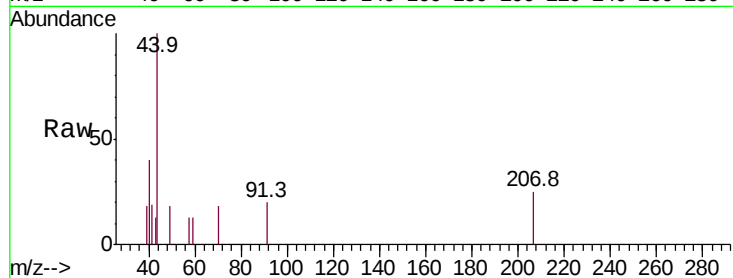
Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
70	137.5	27.5	41.3#
55	0.0	16.6	25.0#
61	0.0	18.2	27.4#



#76

1,2,3-Trichloropropane

Concen: 207.418 ug/l

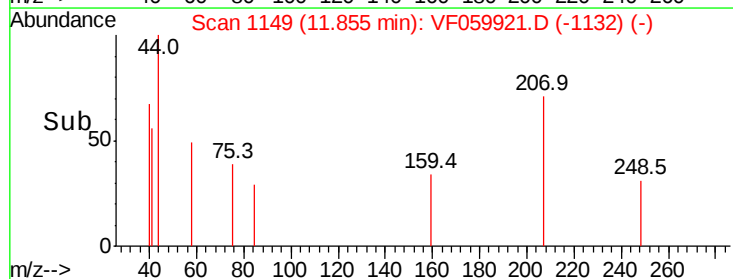
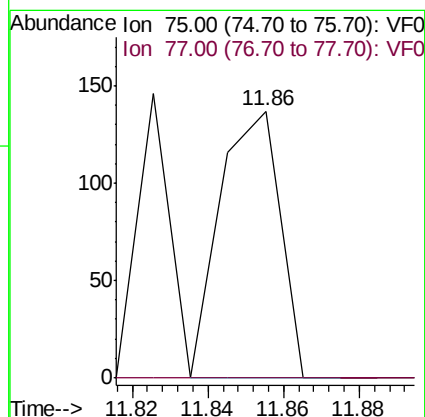
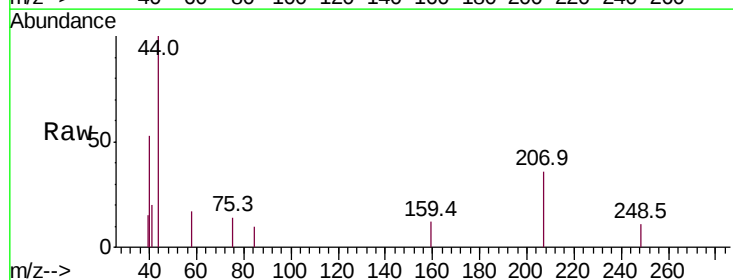
RT: 11.86 min Scan# 1149

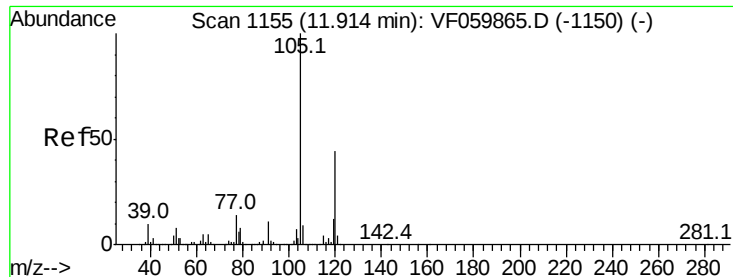
Delta R.T. -0.03 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Tgt Ion:	75	Resp:	150
Ion	Ratio	Lower	Upper
75	100		
77	0.0	15.4	46.2#





#80

1,3,5-Trimethylbenzene

Concen: 16.089 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.12 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

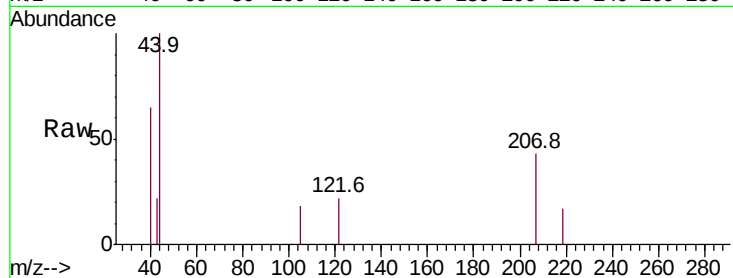
ClientSampled :

Tot Ion:105 Resp: 67

Ion Ratio Lower Upper

105 100

120 0.0 21.9 65.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

100

80

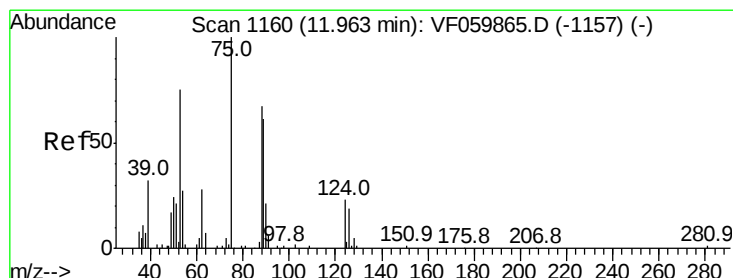
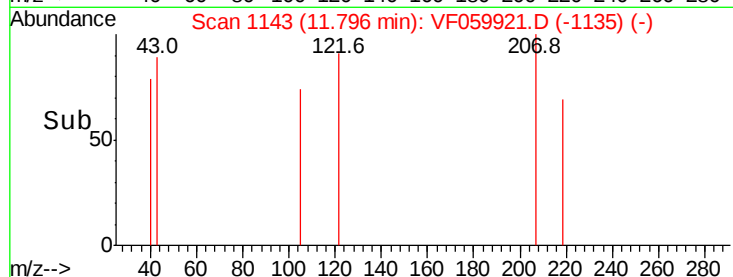
60

40

20

0

Time--> 11.76 11.78 11.80 11.82



#81

trans-1,4-Dichloro-2-butene

Concen: 577.461 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.11 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

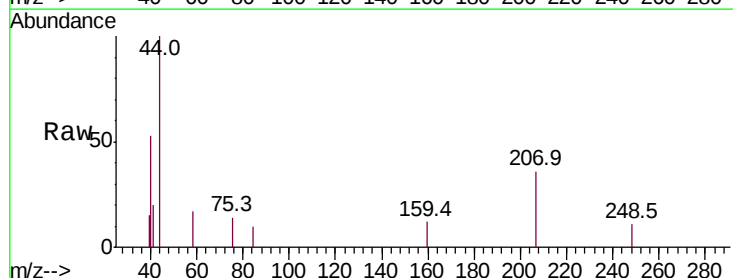
Tgt Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

53 0.0 65.9 98.9#

89 0.0 50.6 76.0#



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

200

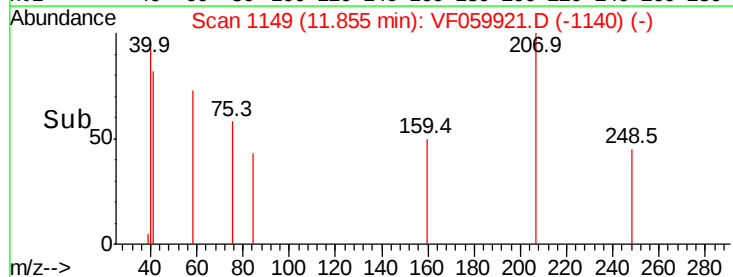
150

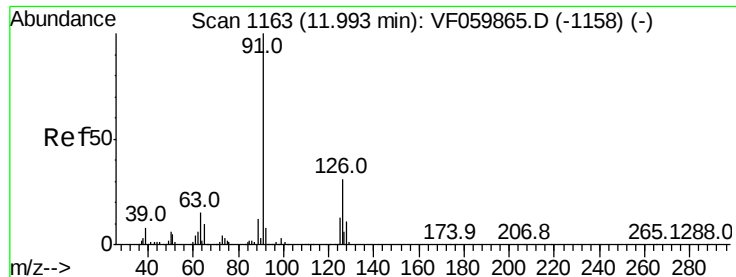
100

50

0

Time--> 11.82 11.84 11.86 11.88





#82

4-Chlorotoluene

Concen: 16.494 ug/l

RT: 12.01 min Scan# 1165

Delta R.T. 0.02 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

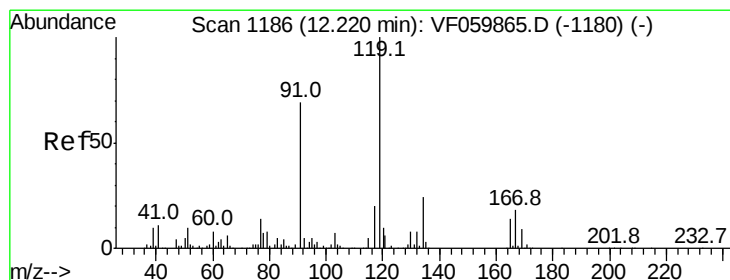
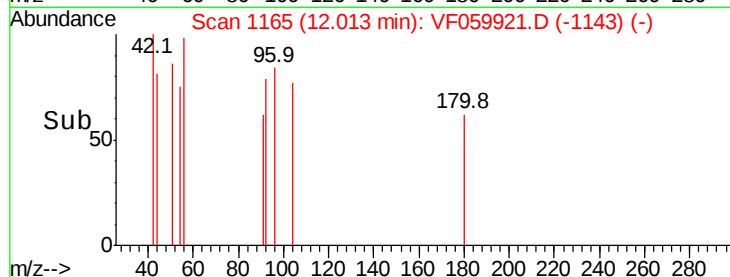
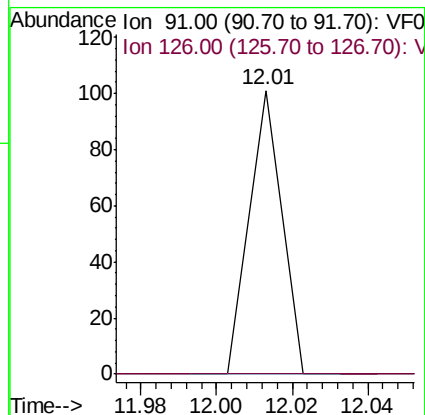
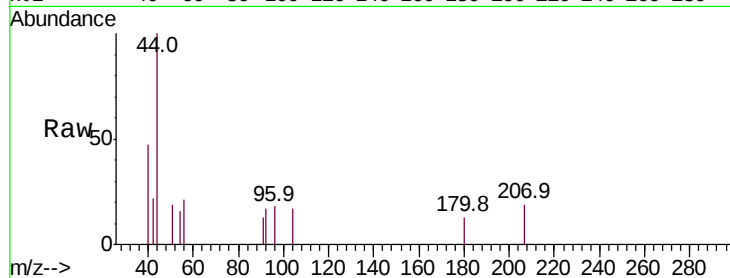
ClientSampled :

Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.0#



#83

tert-Butylbenzene

Concen: 17.516 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

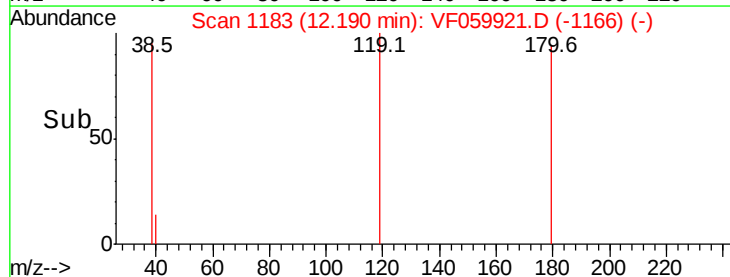
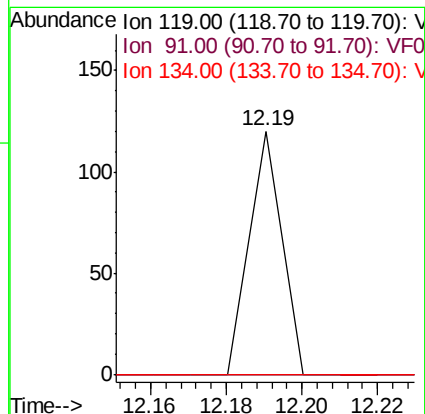
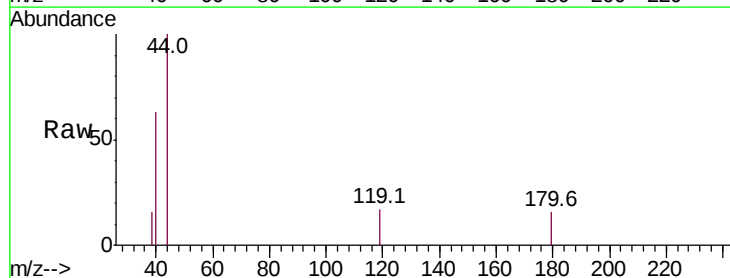
Tgt Ion: 119 Resp: 71

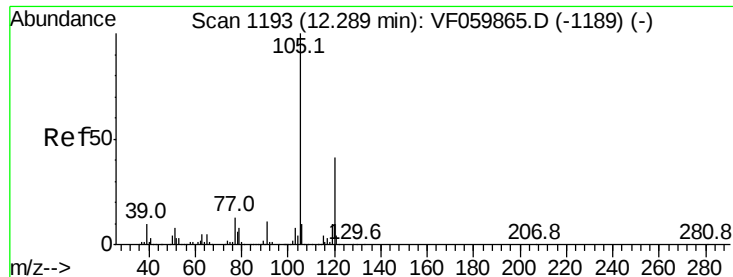
Ion Ratio Lower Upper

119 100

91 0.0 34.4 103.2#

134 0.0 12.1 36.3#



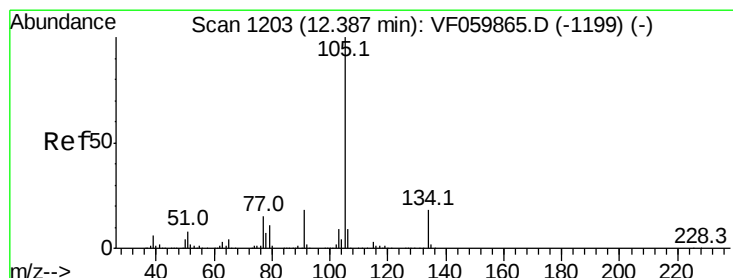
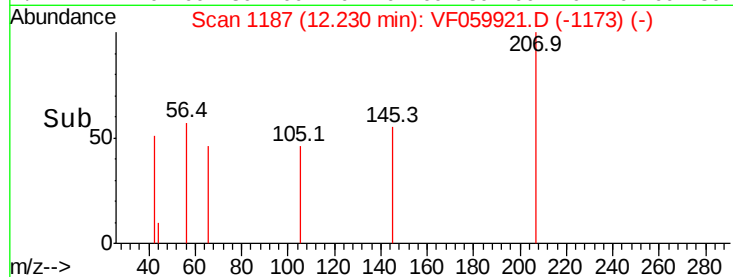
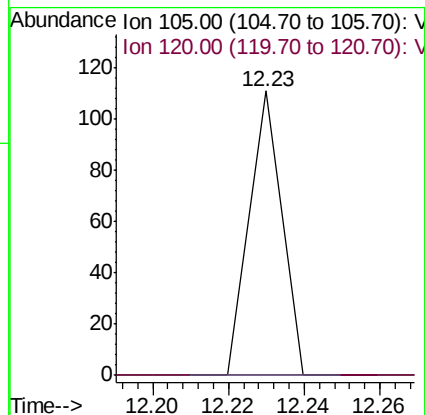
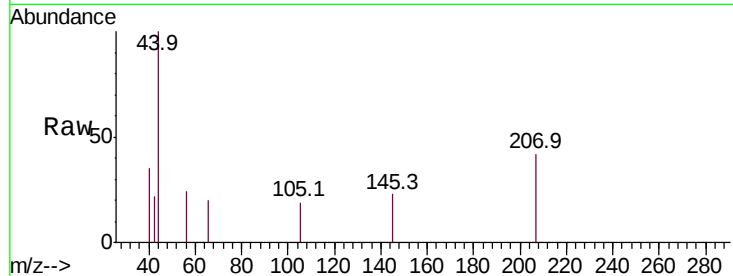


#84

1,2,4-Trimethylbenzene
Concen: 15.410 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Instrument :
MSVOA_F
ClientSampleId :

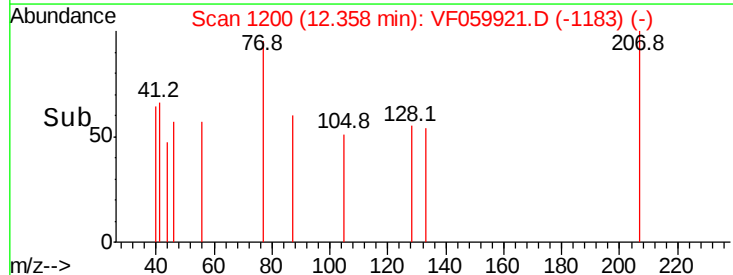
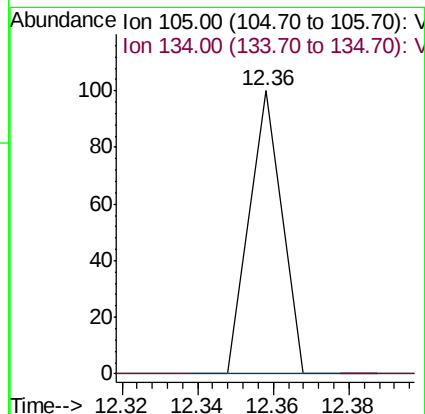
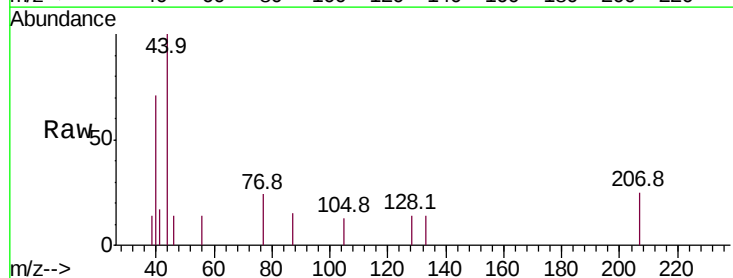
Tot Ion:105 Resp: 66
Ion Ratio Lower Upper
105 100
120 0.0 20.8 62.5#

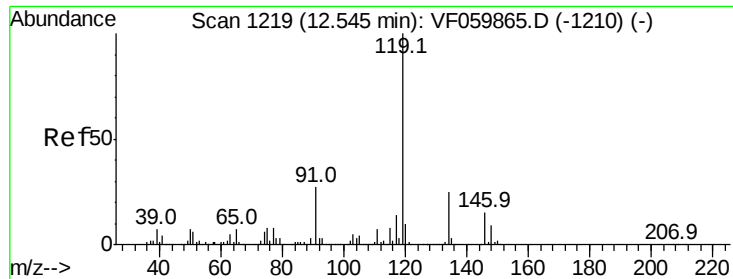


#85

sec-Butylbenzene
Concen: 10.954 ug/l
RT: 12.36 min Scan# 1200
Delta R.T. -0.03 min
Lab File: VF059921.D
Acq: 7 Aug 2018 14:25

Tgt Ion:105 Resp: 59
Ion Ratio Lower Upper
105 100
134 0.0 9.1 27.3#





#86

p-Isopropyltoluene

Concen: 16.788 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.03 min

Lab File: VF059921.D

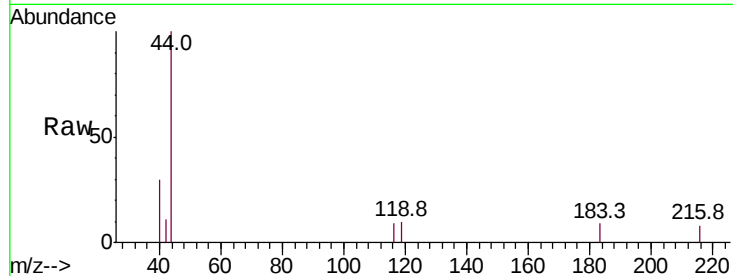
Acq: 7 Aug 2018 14:25

Instrument :

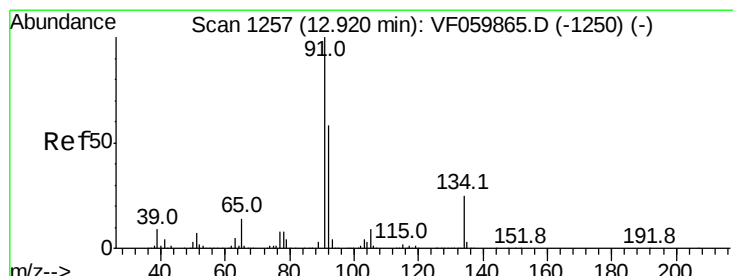
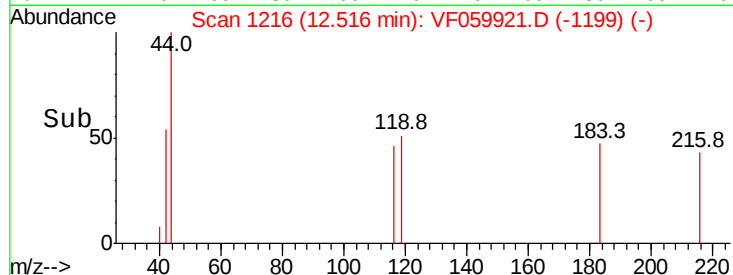
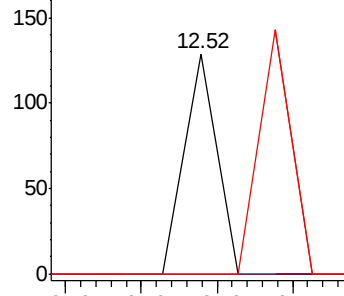
MSVOA_F

ClientSampleId :

Tot Ion:	119	Resp:	76
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.4	37.0#
91	0.0	13.6	40.7#



Abundance Ion 119.00 (118.70 to 119.70): V



#89

n-Butylbenzene

Concen: 31.986 ug/l

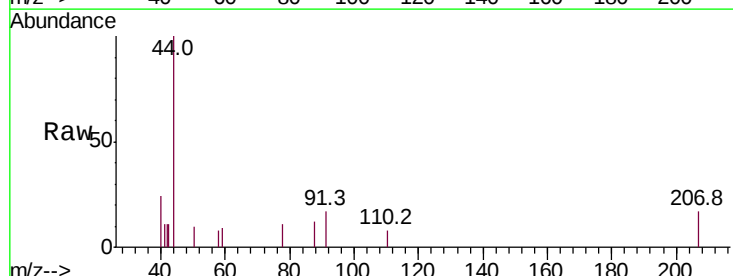
RT: 12.82 min Scan# 1247

Delta R.T. -0.10 min

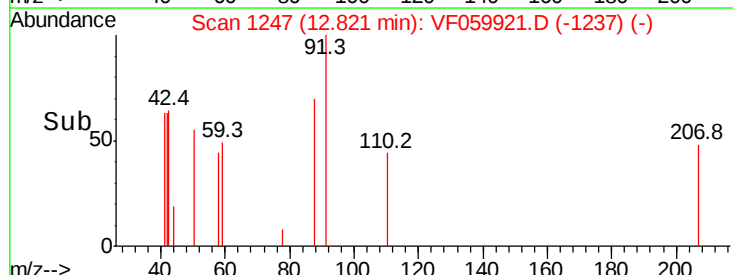
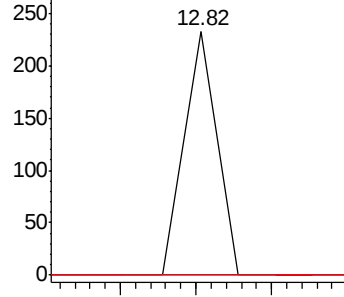
Lab File: VF059921.D

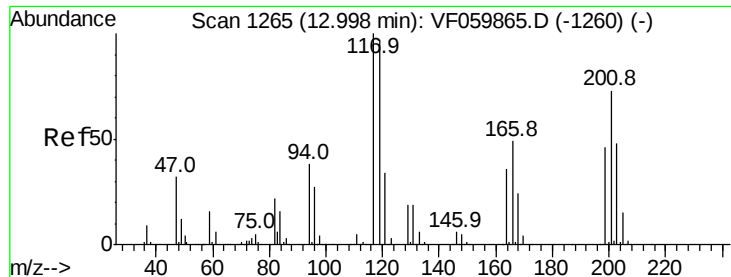
Acq: 7 Aug 2018 14:25

Tgt Ion:	91	Resp:	138
Ion	Ratio	Lower	Upper
91	100		
92	0.0	28.8	86.5#
134	0.0	12.6	37.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0





#90

Hexachloroethane

Concen: 57.637 ug/l

RT: 13.06 min Scan# 1271

Delta R.T. 0.06 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

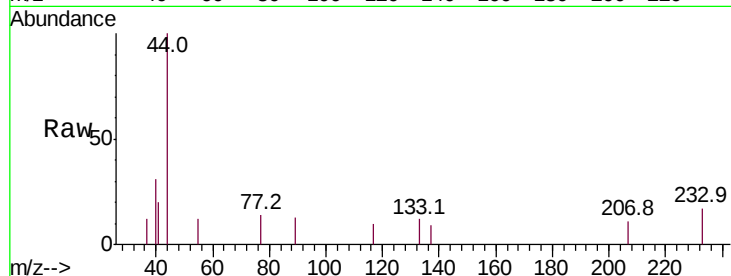
ClientSampleId :

Tot Ion:117 Resp: 72

Ion Ratio Lower Upper

117 100

201 0.0 36.6 109.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

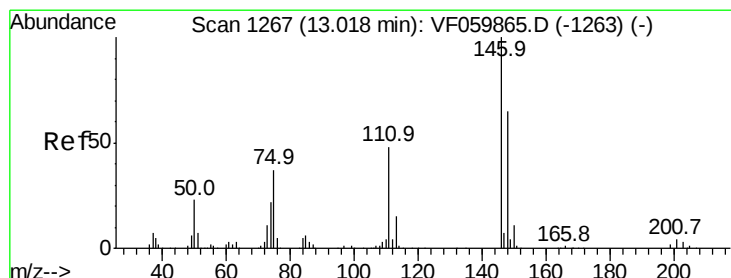
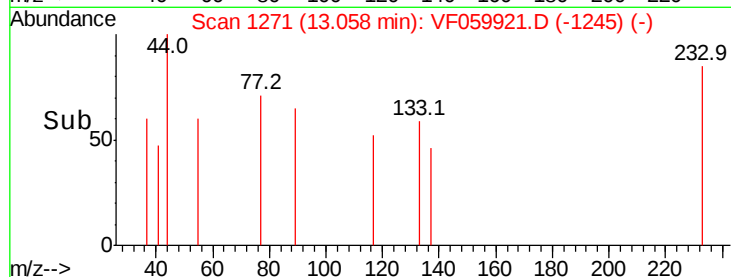
13.06

100

50

0

Time--> 13.02 13.04 13.06 13.08



#91

1,2-Dichlorobenzene

Concen: 32.378 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

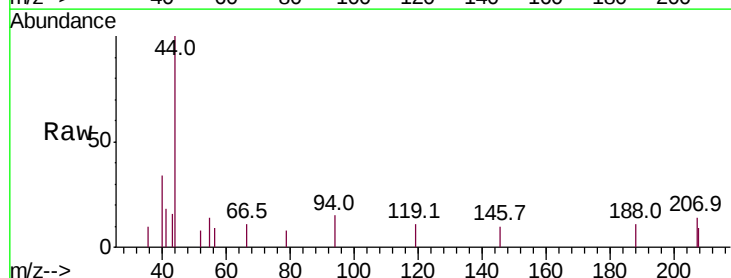
Tgt Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

148 0.0 32.8 98.3#



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

13.04

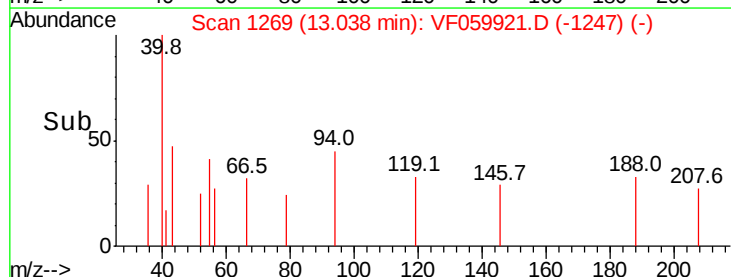
150

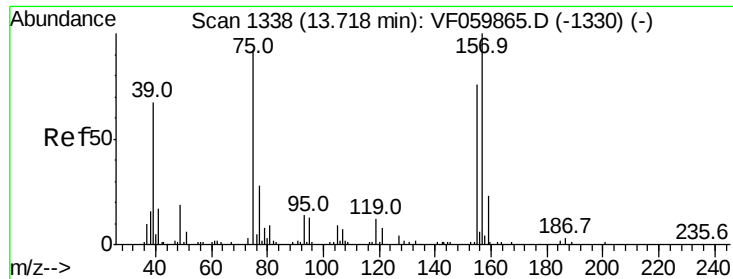
100

50

0

Time--> 13.00 13.02 13.04 13.06





#92

1,2-Dibromo-3-Chloropropane

Concen: 381.610 ug/l

RT: 13.87 min Scan# 1353

Delta R.T. 0.15 min

Lab File: VF059921.D

Acq: 7 Aug 2018 14:25

Instrument :

MSVOA_F

ClientSampleId :

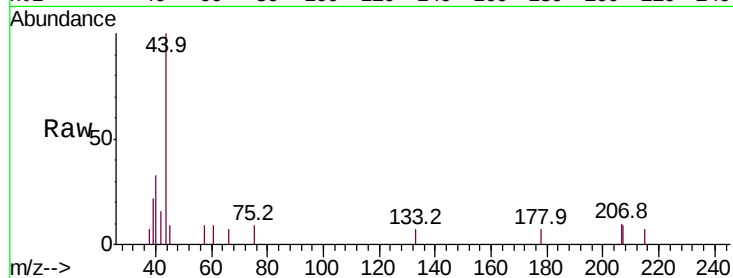
Tot Ion: 75 Resp: 81

Ion Ratio Lower Upper

75 100

155 0.0 41.2 123.6#

157 0.0 54.5 163.6#



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

