

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059456.D
 Acq On : 6 Jul 2018 18:18
 Operator : VA/AP
 Sample : J3854-01
 Misc : 4.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S4

Quant Time: Jul 07 01:50:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.03
34) 1,4-Difluorobenzene	5.73	114	60	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	62	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	80	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	105	0.00	ug/l	0.00
Spiked Amount			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.40	95	66	107.79	ug/l	-0.11
Spiked Amount			Recovery	=	215.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.38	75	70	133.55	ug/l #	44
37) Ethyl Acetate	4.22	43	219	671.56	ug/l #	26
39) Methylcyclohexane	5.62	83	92	198.07	ug/l #	74
40) Benzene	4.77	78	69	59.37	ug/l #	51
41) Methacrylonitrile	4.90	41	278	1554.86	ug/l #	26
42) 1,2-Dichloroethane	5.02	62	104	153.15	ug/l	83
43) Isopropyl Acetate	7.05	43	59	135.14	ug/l #	52
44) Trichloroethene	5.54	130	73	183.11	ug/l	1
46) Dibromomethane	6.23	93	69	239.43	ug/l #	4
48) Methyl methacrylate	6.86	41	83	283.65	ug/l #	57
49) 1,4-Dioxane	6.97	88	64	42769.86	ug/l #	20
51) 4-Methyl-2-Pentanone	8.33	43	109	336.99	ug/l #	39
52) Toluene	7.63	92	115	132.24	ug/l #	1
53) t-1,3-Dichloropropene	8.38	75	67	105.37	ug/l #	43
54) cis-1,3-Dichloropropene	7.52	75	69	99.90	ug/l #	23
55) 1,1,2-Trichloroethane	8.65	97	80	236.94	ug/l #	13
57) 1,3-Dichloropropane	8.83	76	90	155.42	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.84	63	76	2422.77	ug/l	100
59) 2-Hexanone	9.54	43	76	317.32	ug/l #	30
61) 1,2-Dibromoethane	9.24	107	59	144.08	ug/l #	1
67) Ethyl Benzene	9.95	91	74	37.97	ug/l #	44
74) N-amyl acetate	11.45	43	106	62.67	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.81	83	62	52.67	ug/l #	24
76) 1,2,3-Trichloropropane	11.78	75	117	131.77	ug/l #	26
78) n-propylbenzene	11.78	91	70	12.51	ug/l #	52
79) 2-Chlorotoluene	11.78	91	70	20.47	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.00	75	64	121.11	ug/l #	14
82) 4-Chlorotoluene	12.04	91	64	17.47	ug/l #	38
83) tert-Butylbenzene	12.23	119	71	17.39	ug/l #	31
84) 1,2,4-Trimethylbenzene	12.30	105	88	20.47	ug/l #	31
85) sec-Butylbenzene	12.30	105	88	16.26	ug/l #	58
86) p-Isopropyltoluene	12.68	119	67	14.75	ug/l #	50
87) 1,3-Dichlorobenzene	12.53	146	66	28.98	ug/l #	23
88) 1,4-Dichlorobenzene	12.53	146	66	28.58	ug/l #	24

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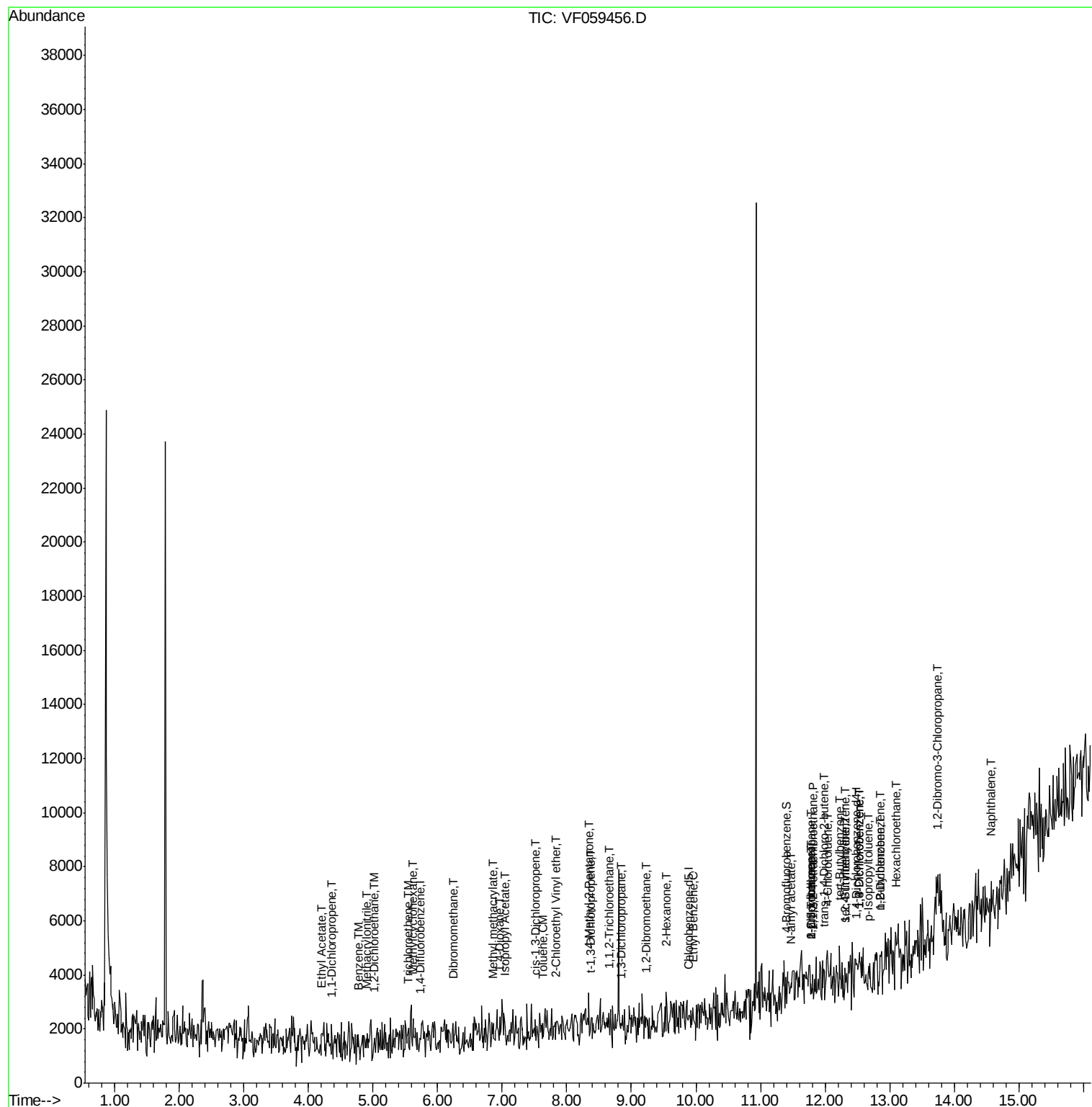
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.85	91	128	27.76	ug/l #	29
90) Hexachloroethane	13.10	117	72	63.60	ug/l #	10
91) 1,2-Dichlorobenzene	12.84	146	70	29.82	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.75	75	116	444.57	ug/l #	1
95) Naphthalene	14.57	128	62	17.07	ug/l #	69

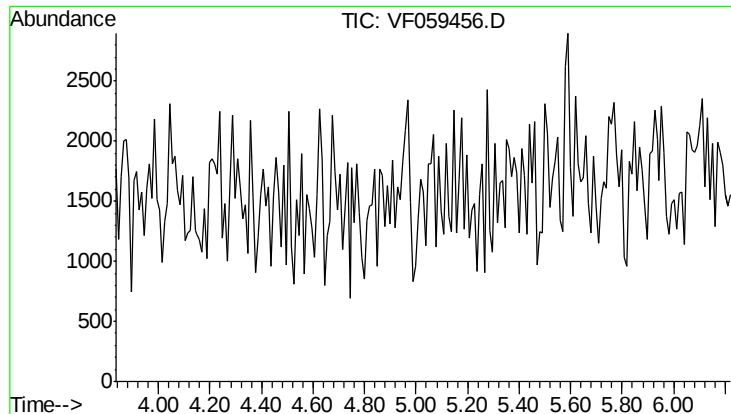
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Tot Ion: 168

Sig Exp Ratio

168 100

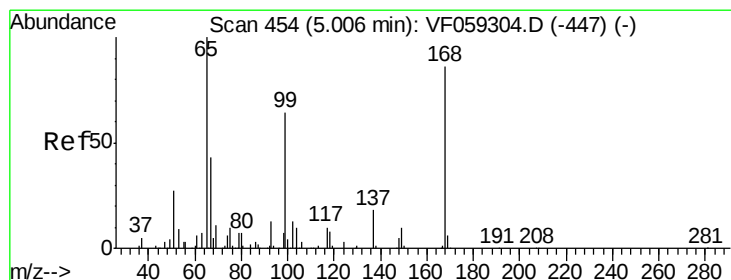
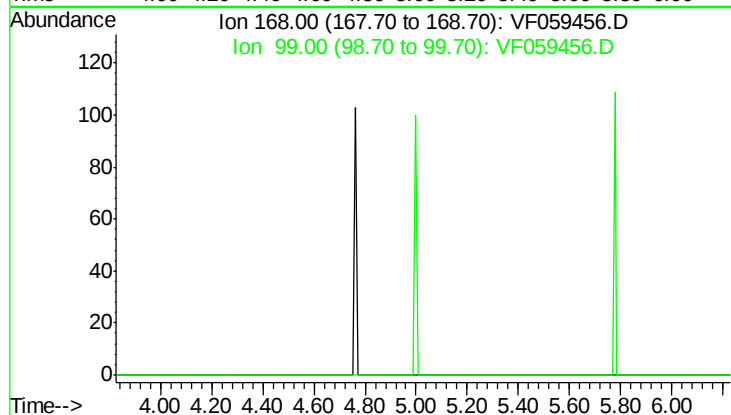
99 68.6

Instrument :

MSVOA_F

ClientSampleId :

S4



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059456.D

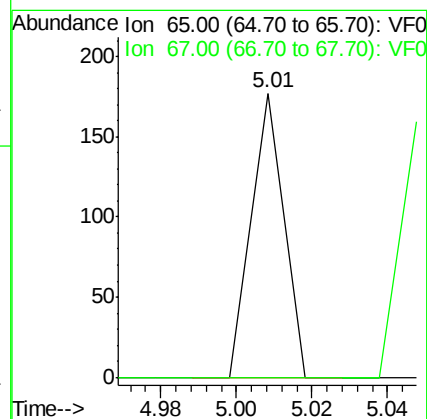
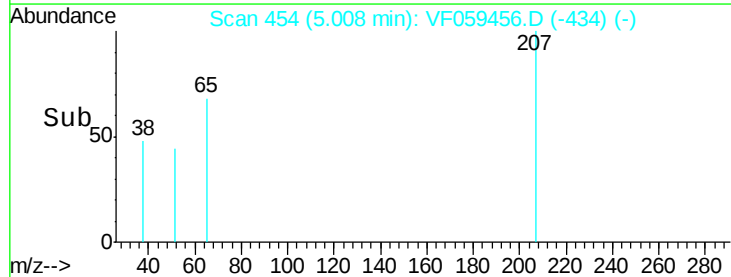
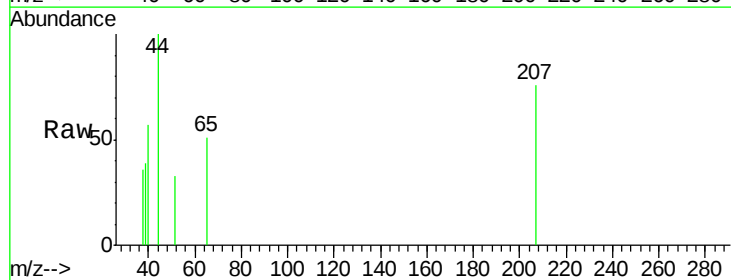
Acq: 6 Jul 2018 18:18

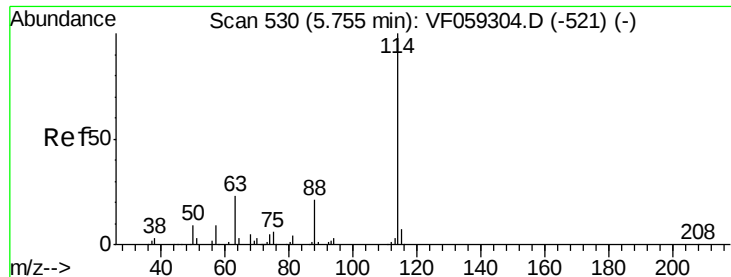
Tgt Ion: 65 Resp: 105

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampleId :

S4

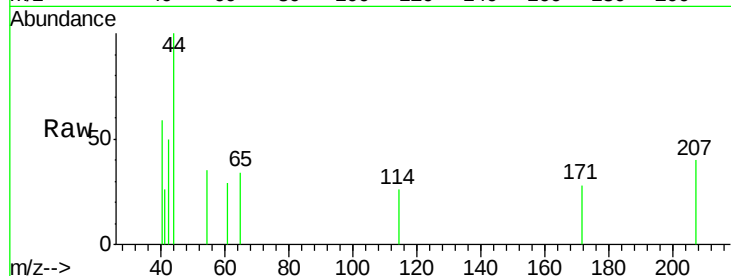
Tot Ion:114 Resp: 60

Ion Ratio Lower Upper

114 100

63 0.0 0.0 45.8

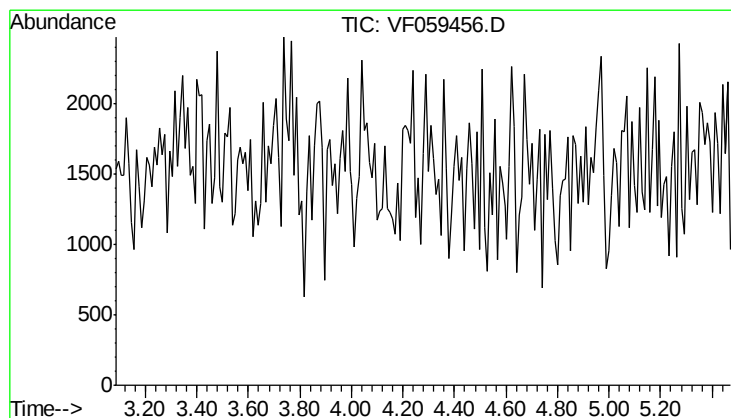
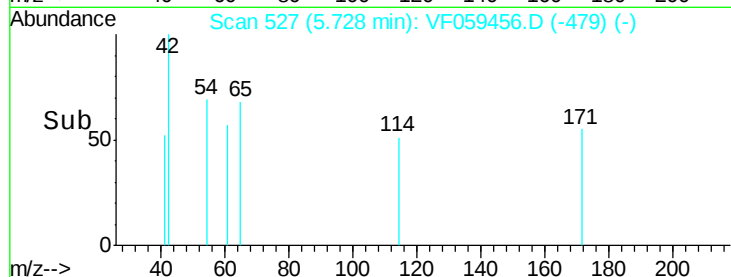
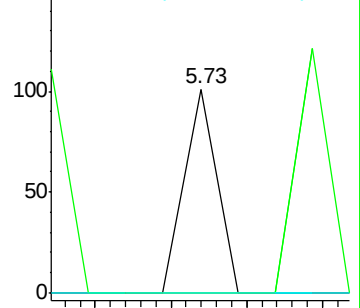
88 0.0 0.0 41.2



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: VF059456.D

Acq: 6 Jul 2018 18:18

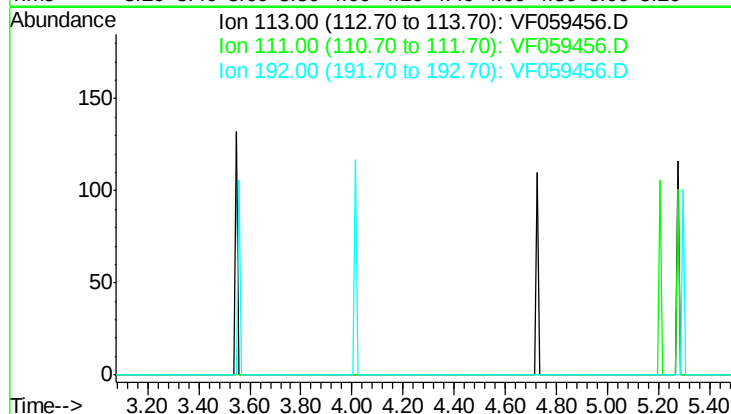
Tgt Ion: 113

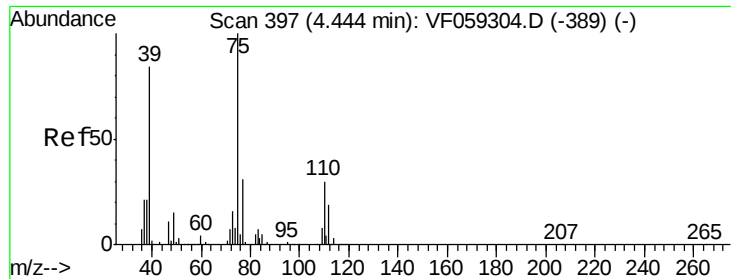
Sig Exp Ratio

113 100

111 102.6

192 16.3





#36

1,1-Dichloropropene

Concen: 133.55 ug/l

RT: 4.38 min Scan# 390

Delta R.T. -0.07 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

S4

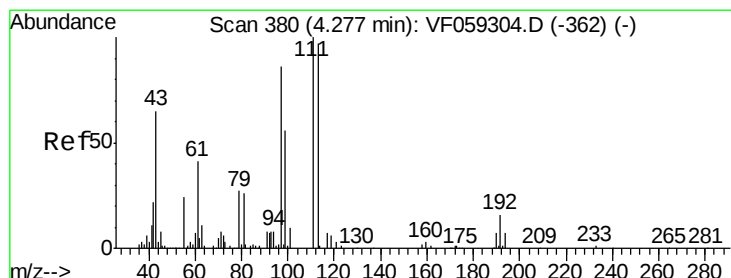
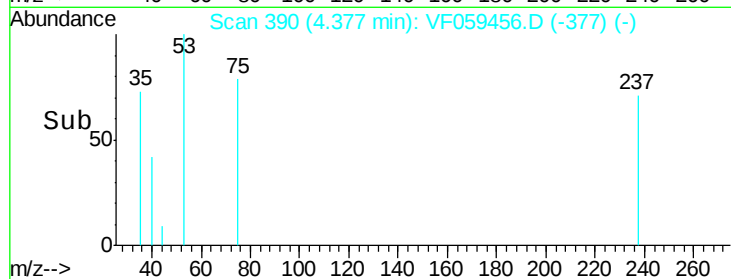
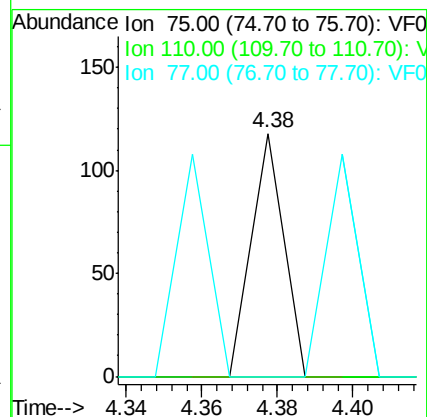
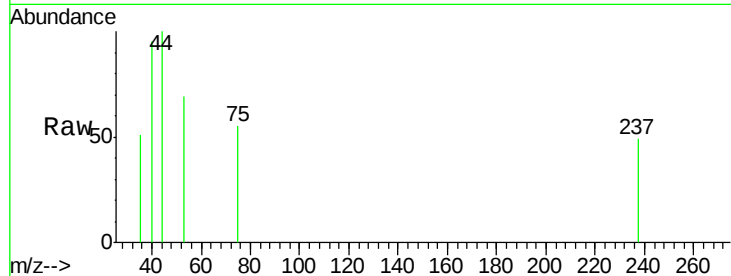
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

110 0.0 14.8 44.4#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 671.56 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.06 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

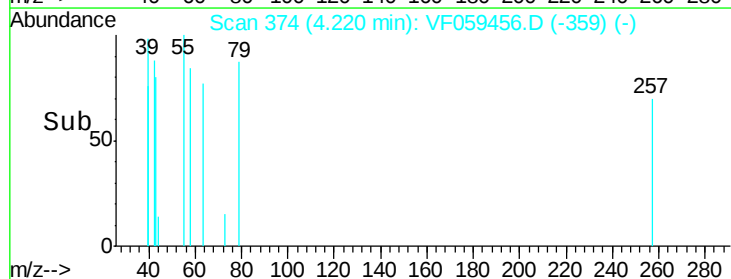
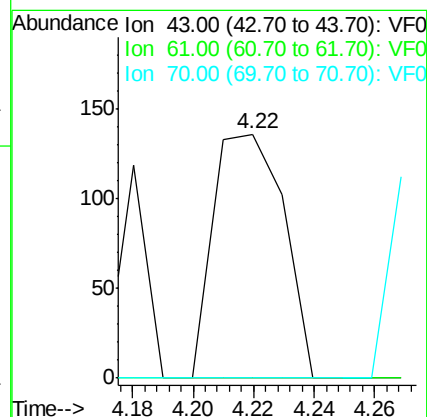
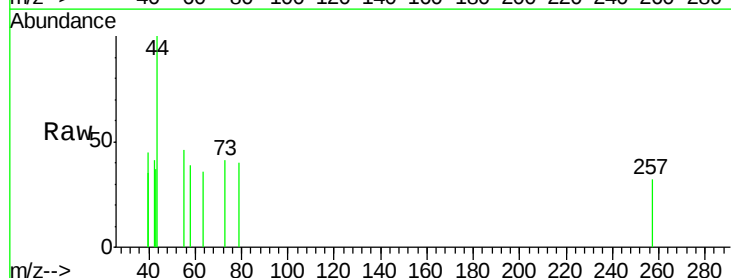
Tgt Ion: 43 Resp: 219

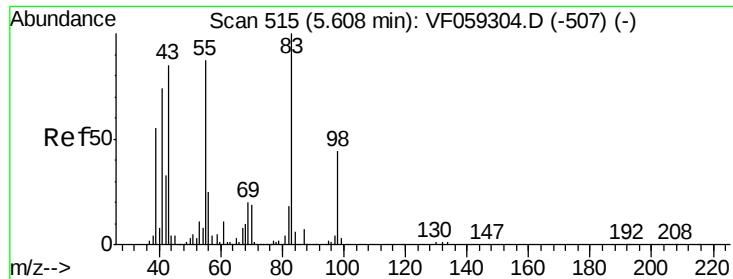
Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

70 0.0 6.2 9.4#

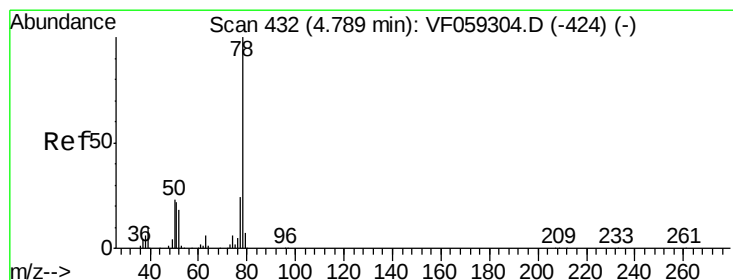
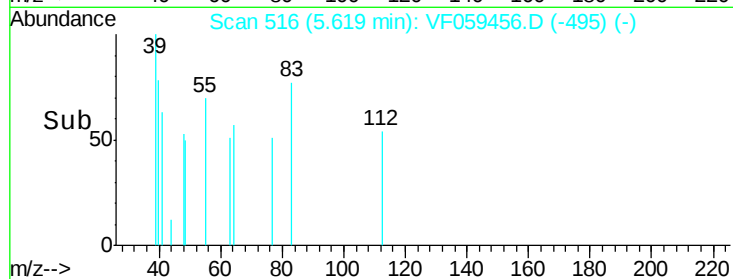
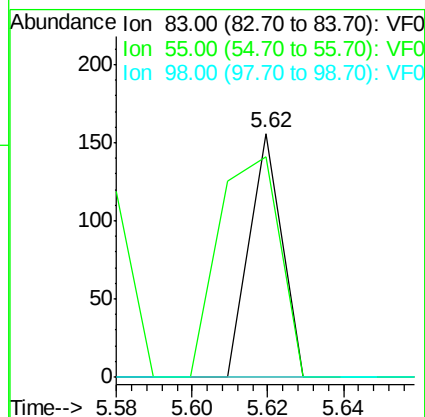
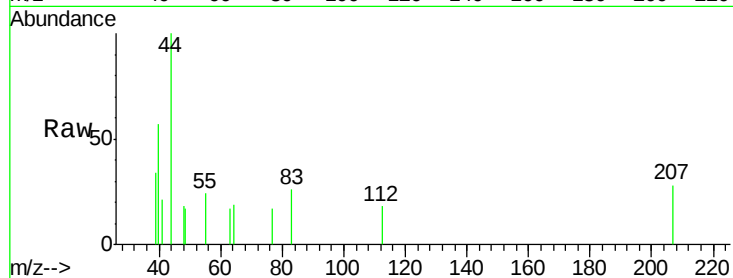




#39
Methylcyclohexane
Concen: 198.07 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

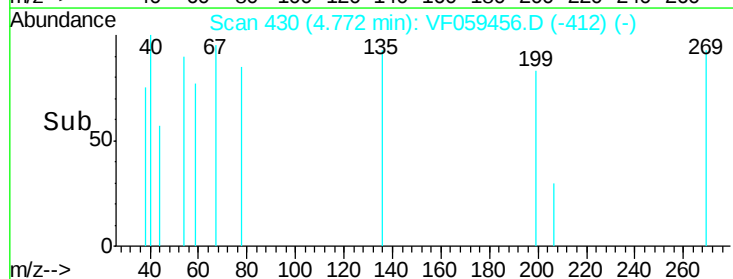
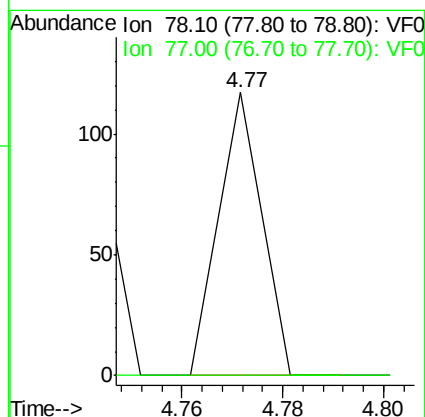
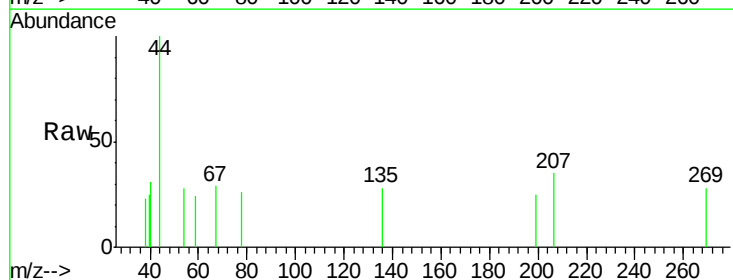
Instrument :
MSVOA_F
ClientSampled :
S4

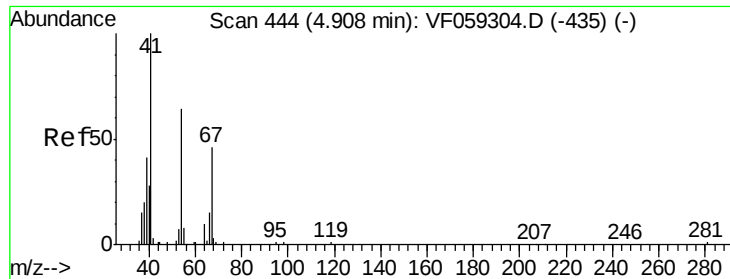
Tot Ion: 83 Resp: 92
Ion Ratio Lower Upper
83 100
55 90.4 69.2 103.8
98 0.0 35.0 52.6#



#40
Benzene
Concen: 59.37 ug/l
RT: 4.77 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Tgt Ion: 78 Resp: 69
Ion Ratio Lower Upper
78 100
77 0.0 19.6 29.4#

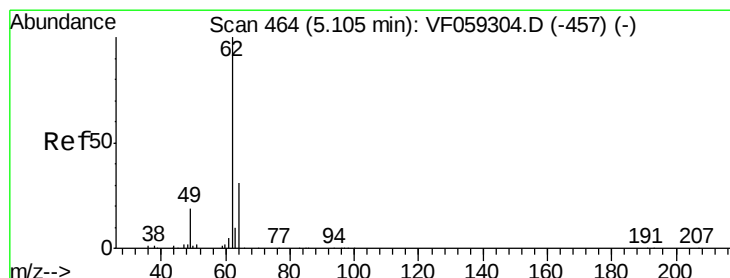
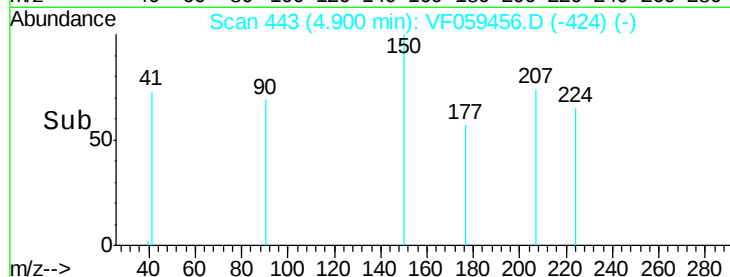
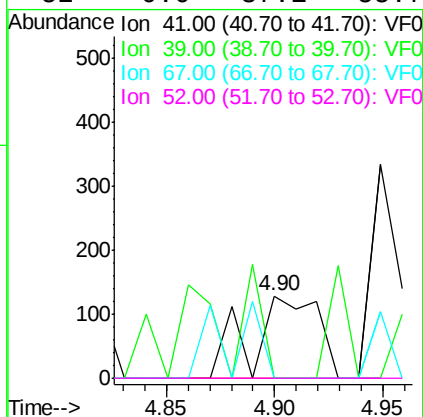
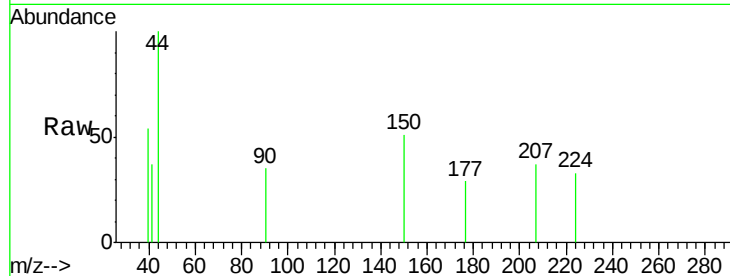




#41
Methacrylonitrile
Concen: 1554.86 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

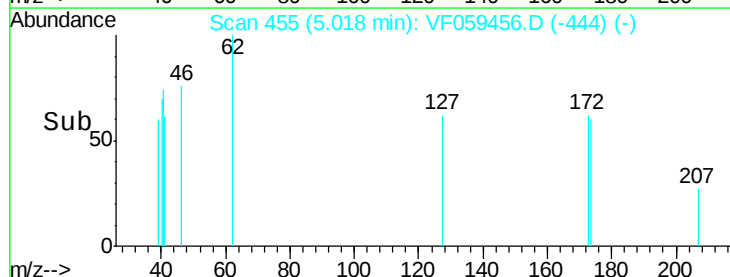
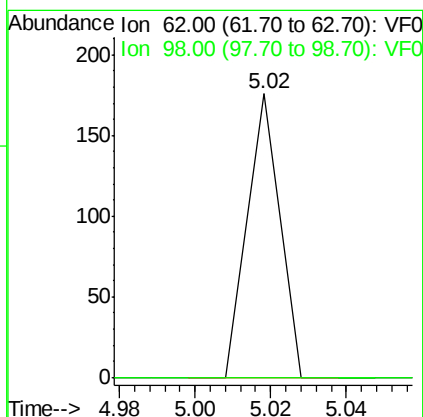
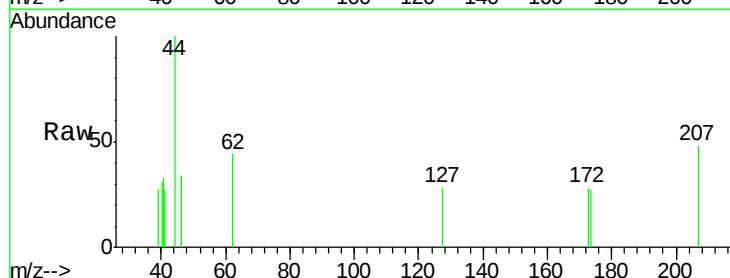
Instrument :
MSVOA_F
ClientSampled :
S4

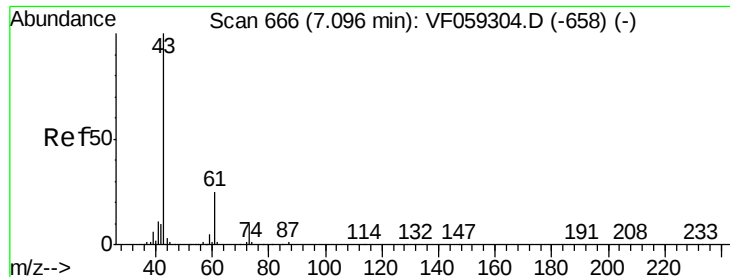
Tot Ion: 41 Resp: 278
Ion Ratio Lower Upper
41 100
39 0.0 50.0 75.0#
67 0.0 37.0 55.6#
52 0.0 37.1 55.7#



#42
1,2-Dichloroethane
Concen: 153.15 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.09 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Tgt Ion: 62 Resp: 104
Ion Ratio Lower Upper
62 100
98 0.0 0.0 11.4



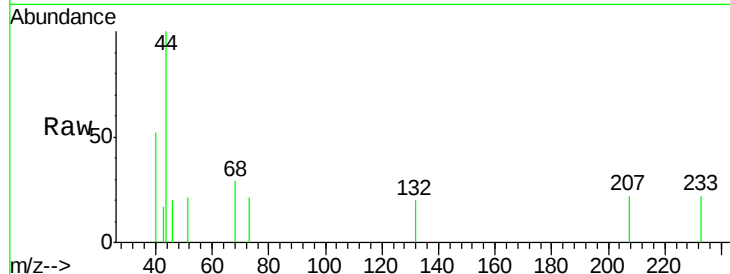


#43

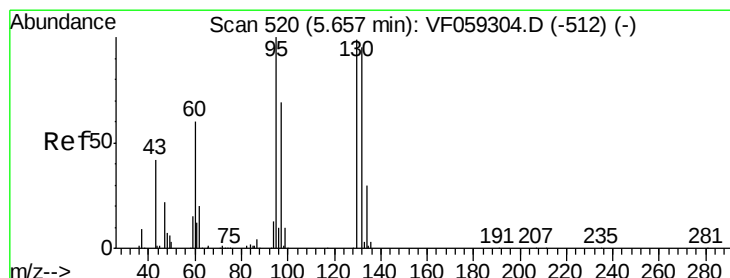
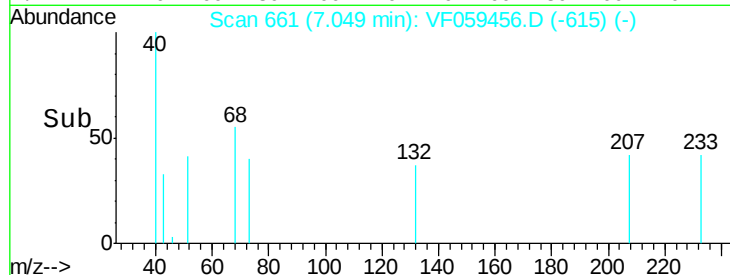
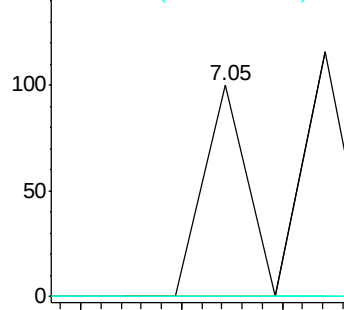
Isopropyl Acetate
 Concen: 135.14 ug/l
 RT: 7.05 min Scan# 661
 Delta R.T. -0.05 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Instrument :
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 ClientSampled :
 S4

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	0.5	0.7#



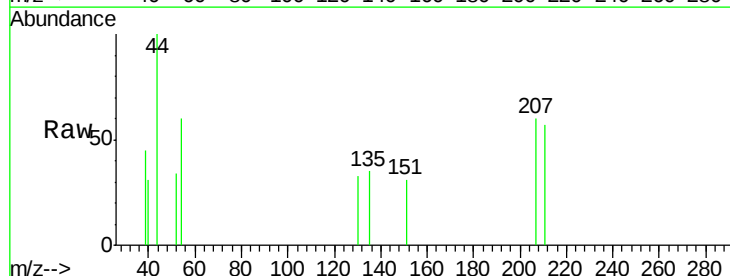
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



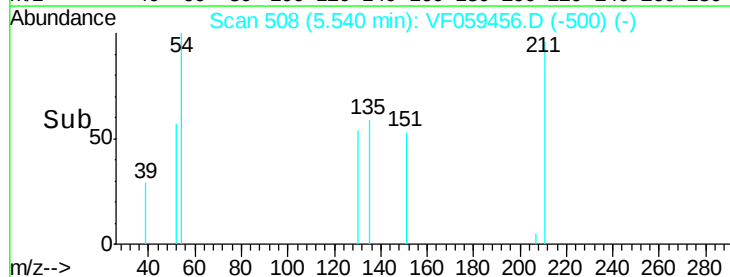
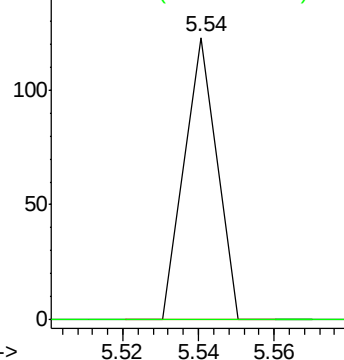
#44

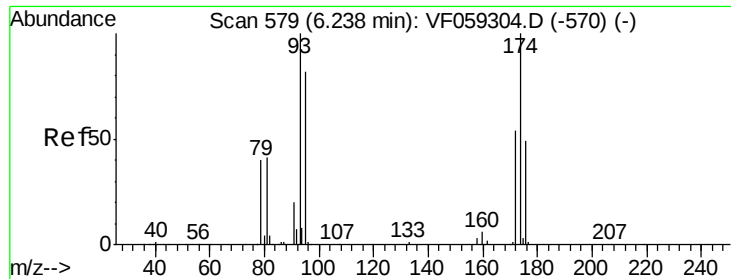
Trichloroethene
 Concen: 183.11 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. -0.12 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	0.0	0.0	202.4



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

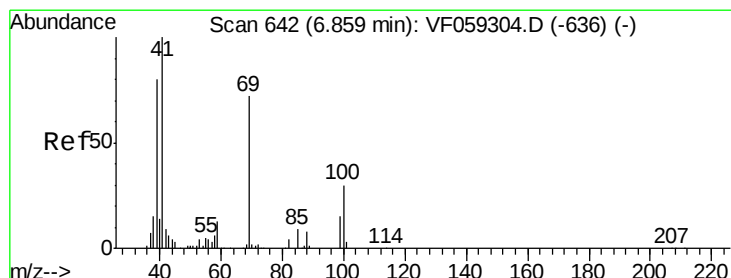
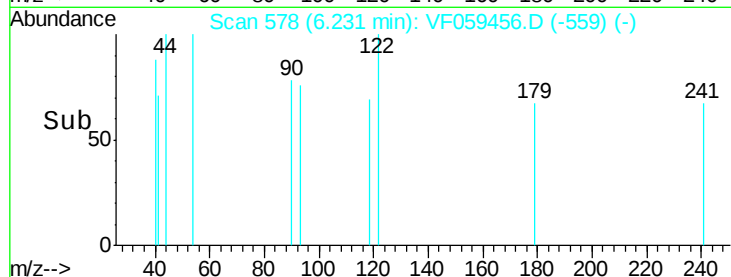
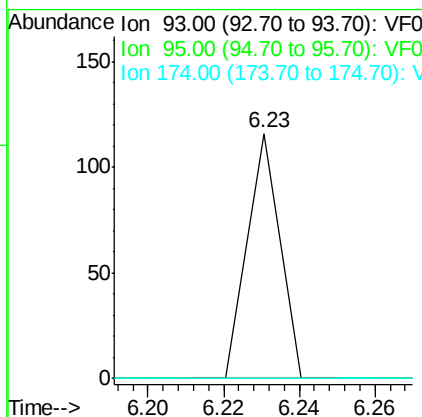
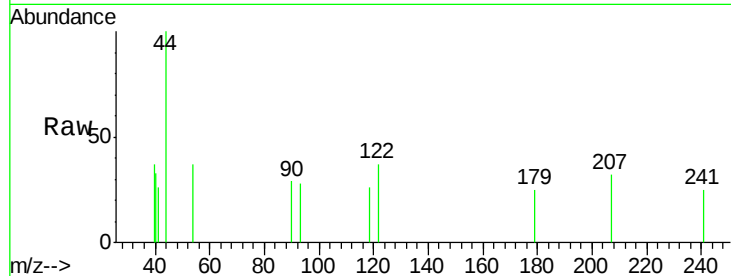




#46
Dibromomethane
Concen: 239.43 ug/l
RT: 6.23 min Scan# 578
Delta R.T. -0.01 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

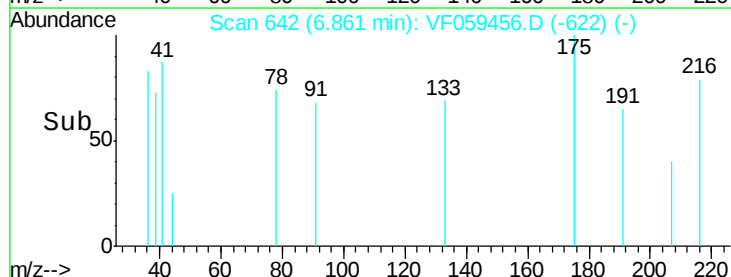
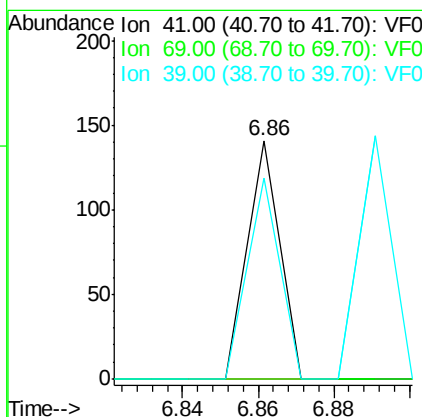
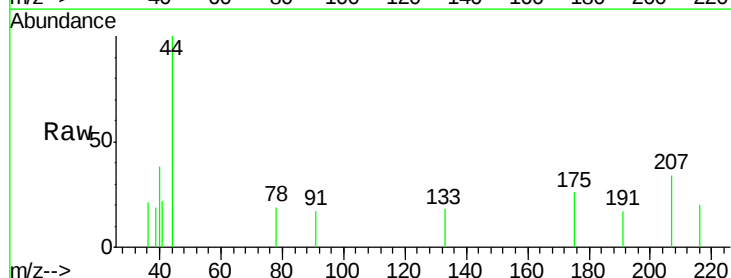
Instrument :
MSVOA_F
ClientSampled :
S4

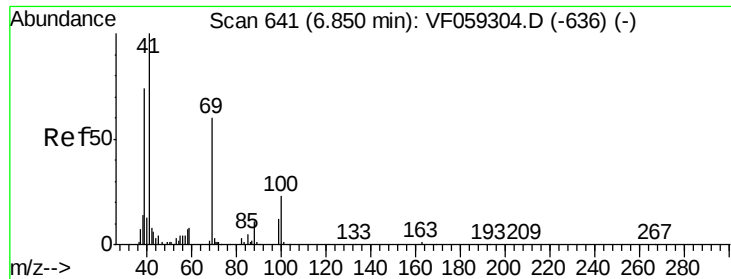
Tot Ion: 93 Resp: 69
Ion Ratio Lower Upper
93 100
95 0.0 65.6 98.4#
174 0.0 80.0 120.0#



#48
Methyl methacrylate
Concen: 283.65 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Tgt Ion: 41 Resp: 83
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 84.4 64.4 96.6





#49

1,4-Dioxane

Concen: 42769.86 ug/l

RT: 6.97 min Scan# 653

Delta R.T. 0.12 min

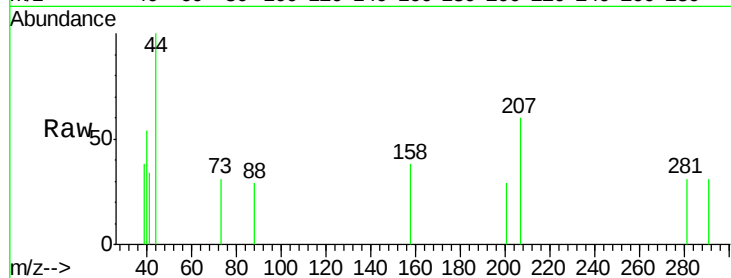
Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :
MSVOA_F
ClientSampled :
S4

Tot Ion: 88 Resp: 64

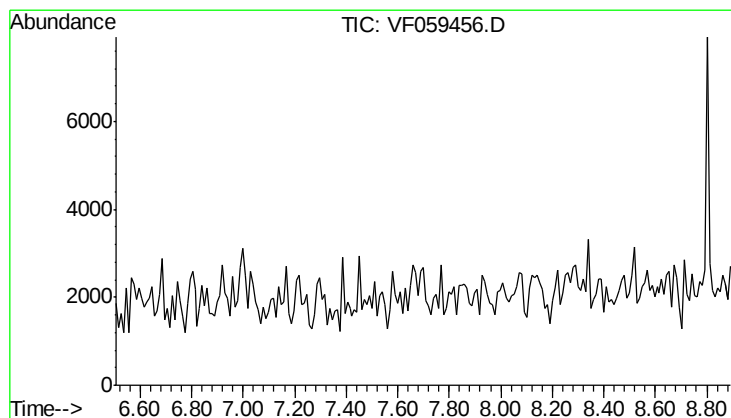
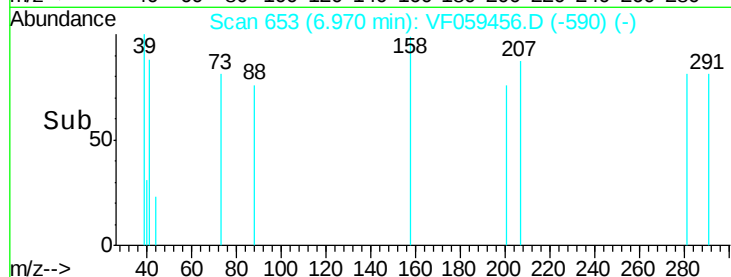
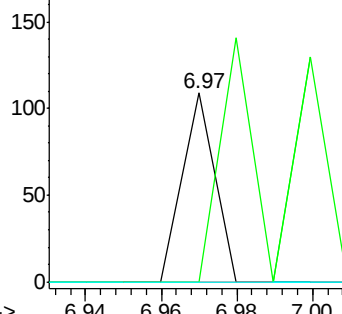
Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#



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: 7.70 min

Lab File: VF059456.D

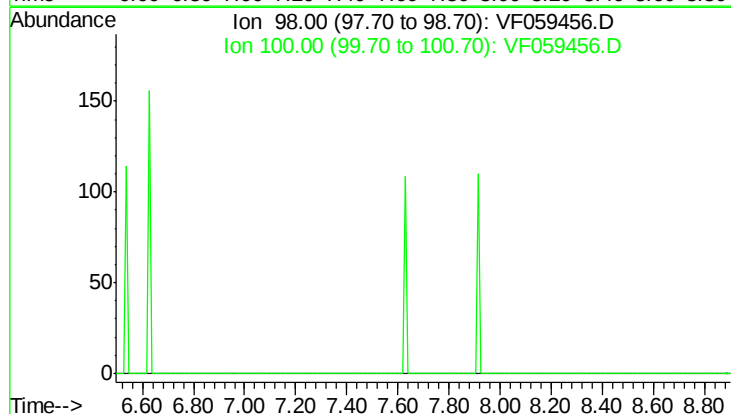
Acq: 6 Jul 2018 18:18

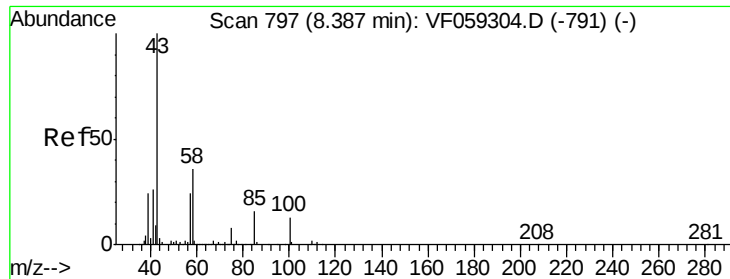
Tgt Ion: 98

Sig Exp Ratio

98 100

100 68.3





#51

4-Methyl-2-Pentanone

Concen: 336.99 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.06 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

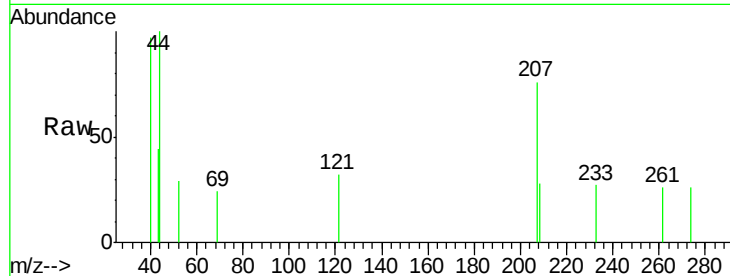
S4

Tot Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.33

200

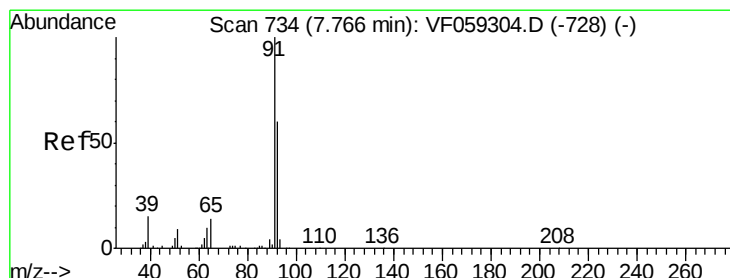
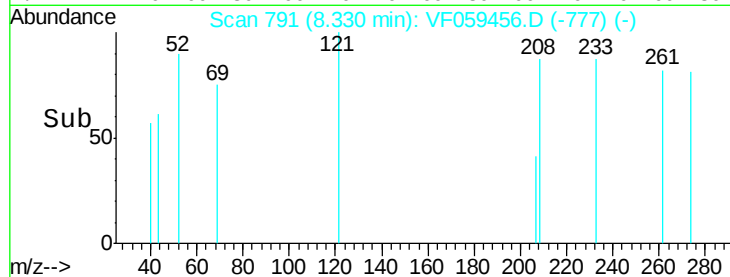
150

100

50

0

Time-->



#52

Toluene

Concen: 132.24 ug/l

RT: 7.63 min Scan# 720

Delta R.T. -0.14 min

Lab File: VF059456.D

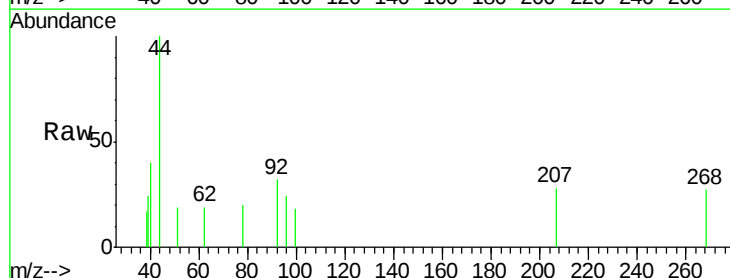
Acq: 6 Jul 2018 18:18

Tgt Ion: 92 Resp: 115

Ion Ratio Lower Upper

92 100

91 0.0 132.8 199.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

200

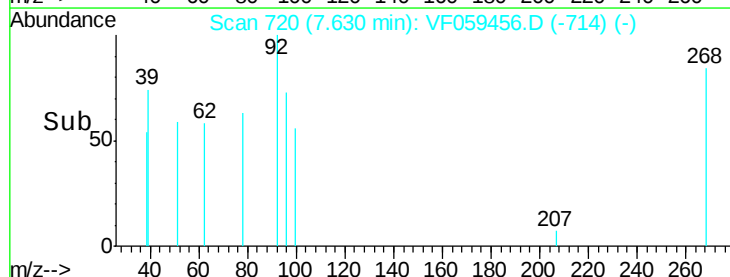
150

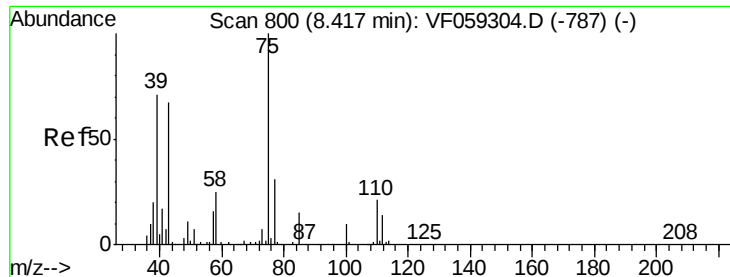
100

50

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 105.37 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.04 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

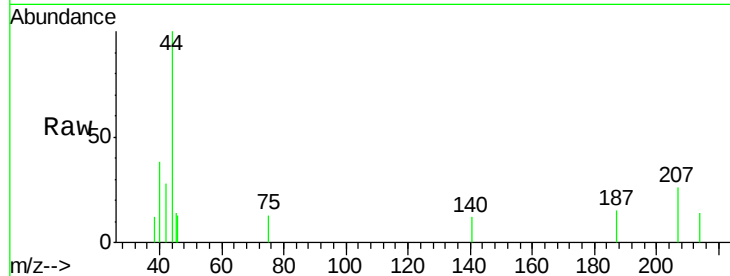
S4

Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150

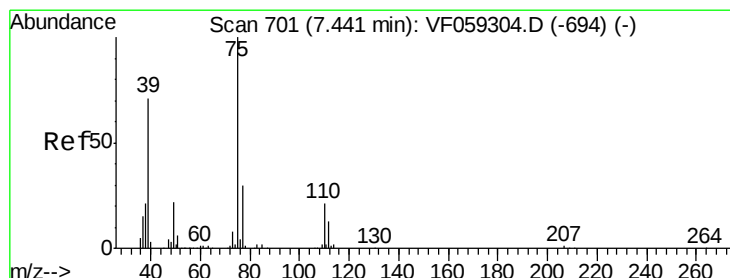
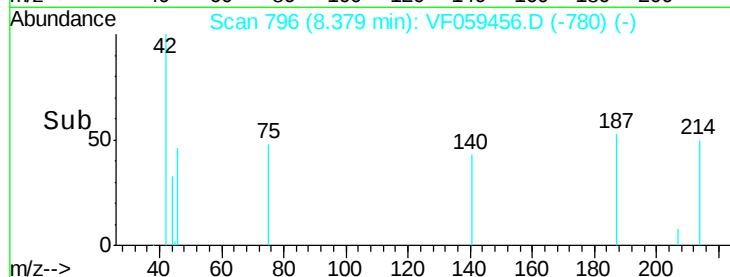
100

50

0

8.36 8.38 8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 99.90 ug/l

RT: 7.52 min Scan# 709

Delta R.T. 0.08 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

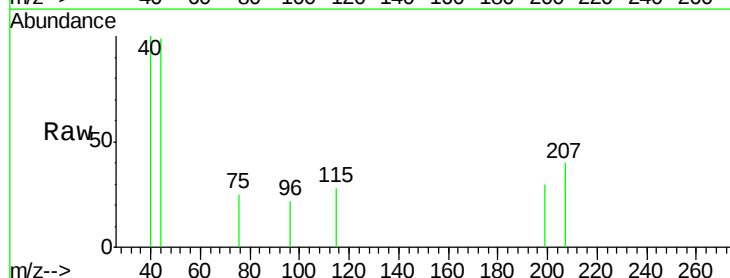
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

39 0.0 57.2 85.8#



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

300

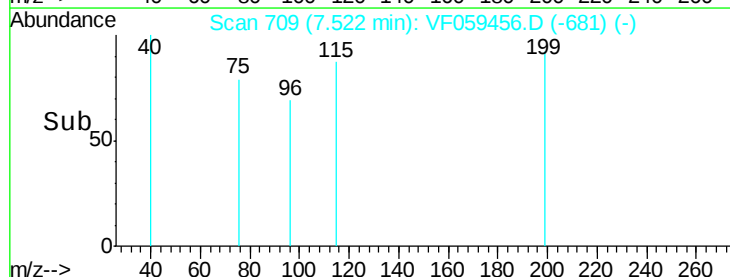
200

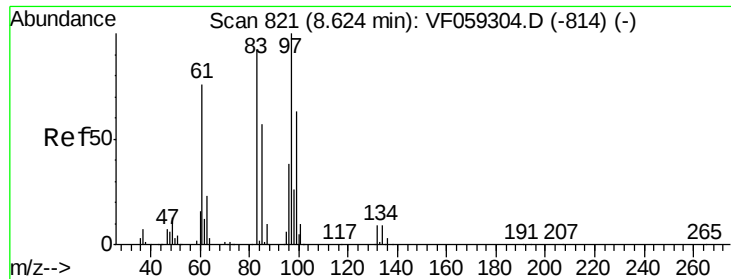
100

0

7.50 7.52 7.54

Time-->





#55

1,1,2-Trichloroethane

Concen: 236.94 ug/l

RT: 8.65 min Scan# 823

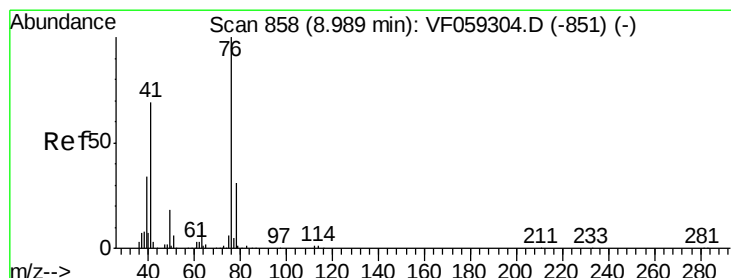
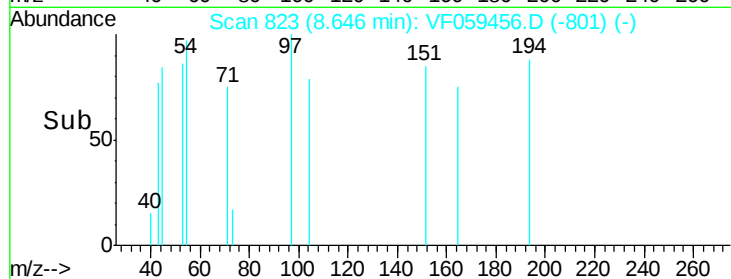
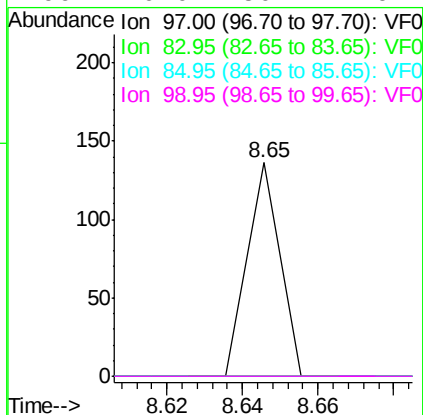
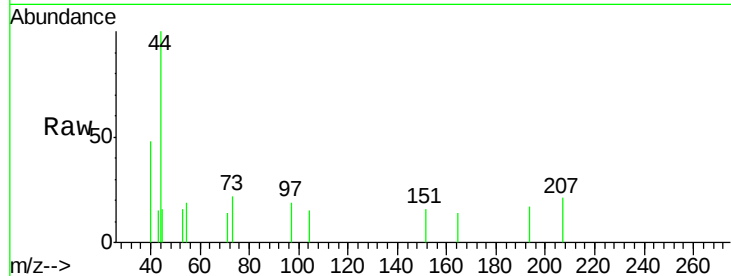
Delta R.T. 0.02 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :
MSVOA_F
ClientSampleId :
S4

Tot Ion:	97	Resp:	80
Ion	Ratio	Lower	Upper
97	100		
83	0.0	73.8	110.8#
85	0.0	45.5	68.3#
99	0.0	50.7	76.1#



#57

1,3-Dichloropropane

Concen: 155.42 ug/l

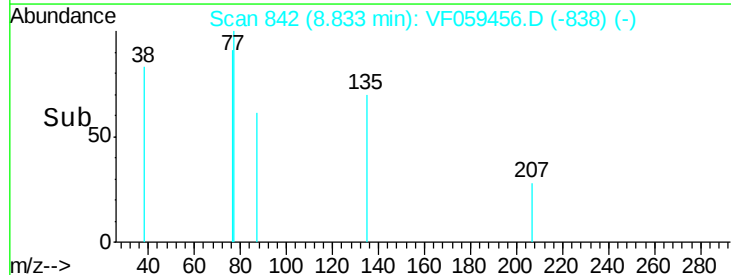
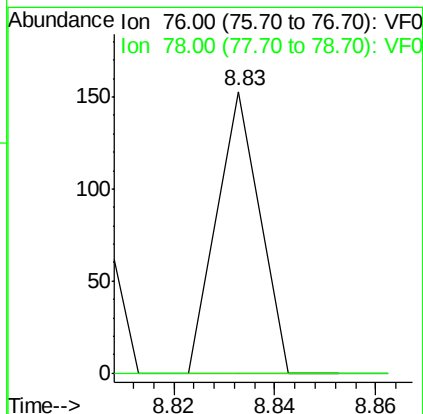
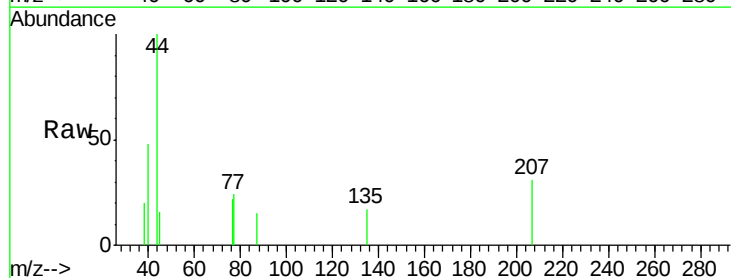
RT: 8.83 min Scan# 842

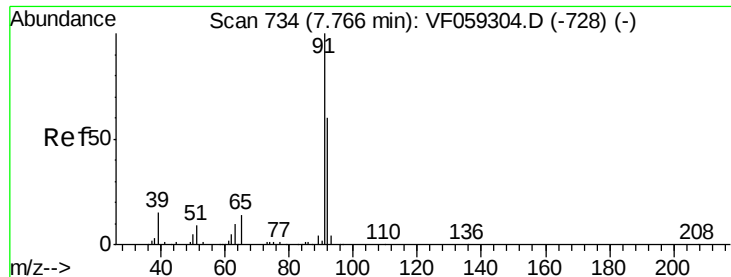
Delta R.T. -0.16 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Tgt Ion:	76	Resp:	90
Ion	Ratio	Lower	Upper
76	100		
78	0.0	24.9	37.3#

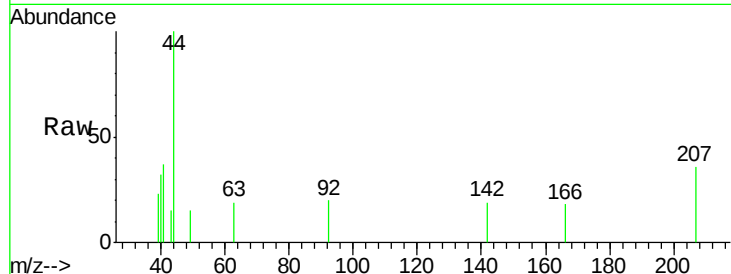




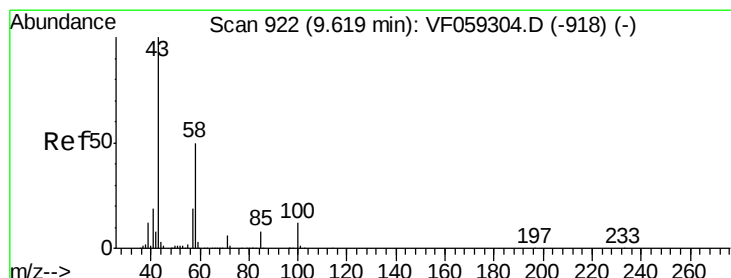
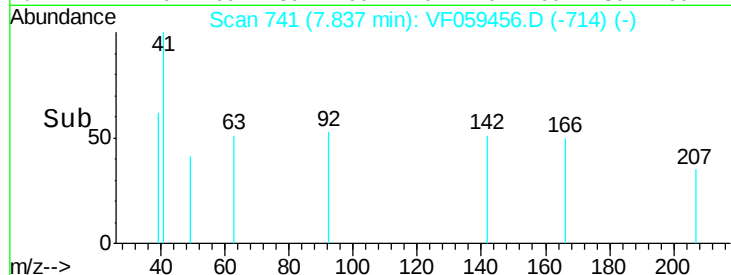
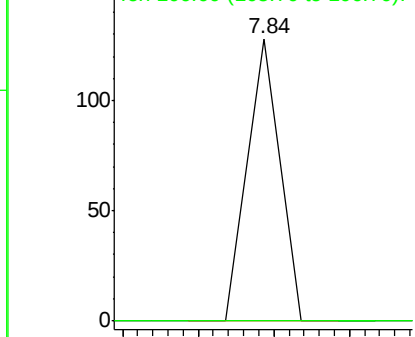
#58
 2-Chloroethyl Vinyl ether
 Concen: 2422.77 ug/l
 RT: 7.84 min Scan# 741
 Delta R.T. 0.07 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Instrument :
 MSVOA_F
 ClientSampled :
 S4

Tot Ion: 63 Resp: 76
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

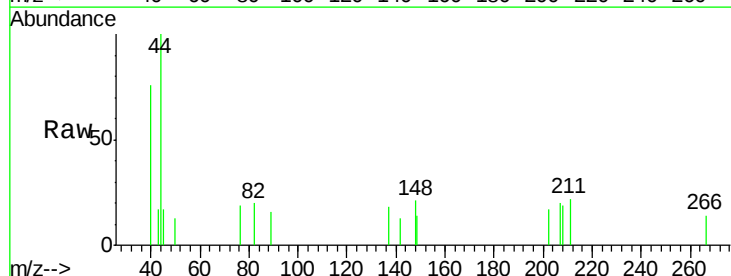


Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 106.00 (105.70 to 106.70): V

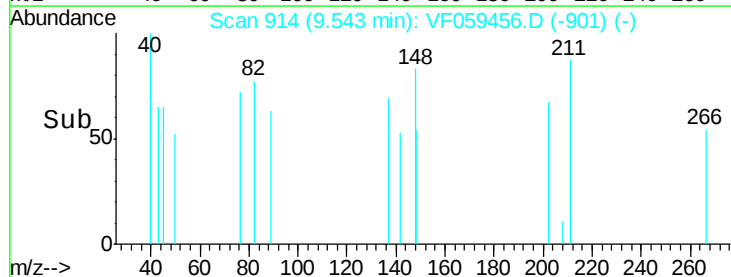
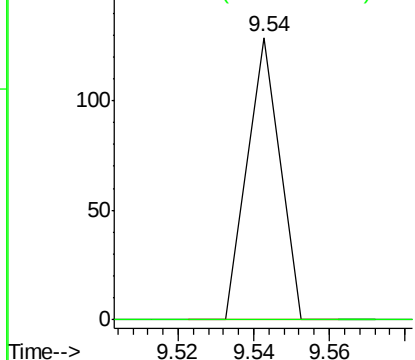


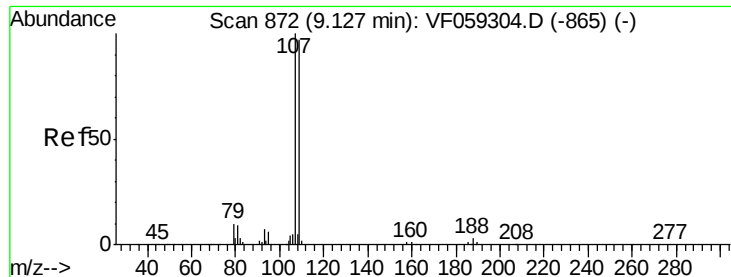
#59
 2-Hexanone
 Concen: 317.32 ug/l
 RT: 9.54 min Scan# 914
 Delta R.T. -0.08 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Tgt Ion: 43 Resp: 76
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.9#



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





#61

1,2-Dibromoethane

Concen: 144.08 ug/l

RT: 9.24 min Scan# 883

Delta R.T. 0.11 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

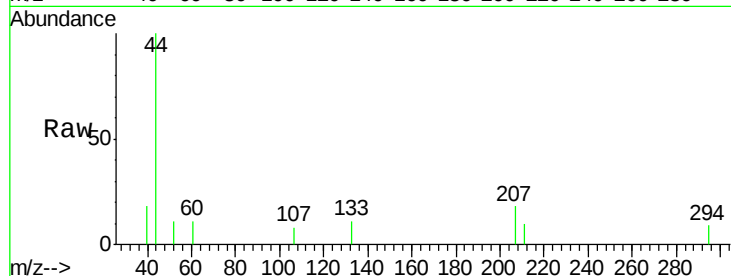
S4

Tot Ion:107 Resp: 59

Ion Ratio Lower Upper

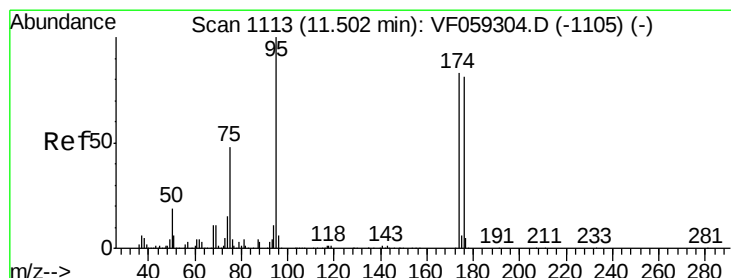
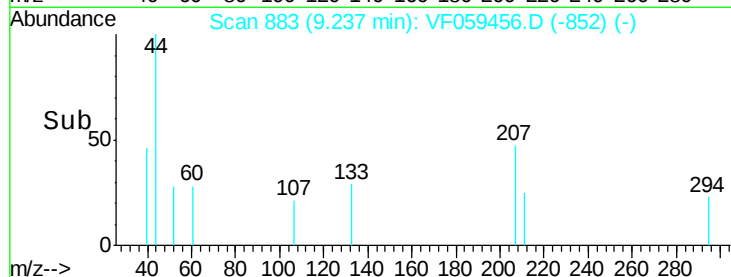
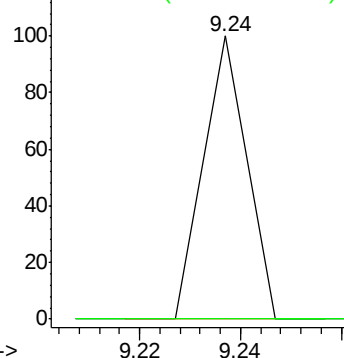
107 100

109 0.0 77.3 115.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 107.79 ug/l

RT: 11.40 min Scan# 1102

Delta R.T. -0.11 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

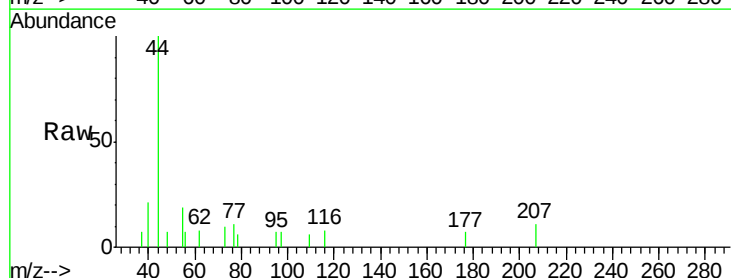
Tgt Ion: 95 Resp: 66

Ion Ratio Lower Upper

95 100

174 0.0 0.0 165.2

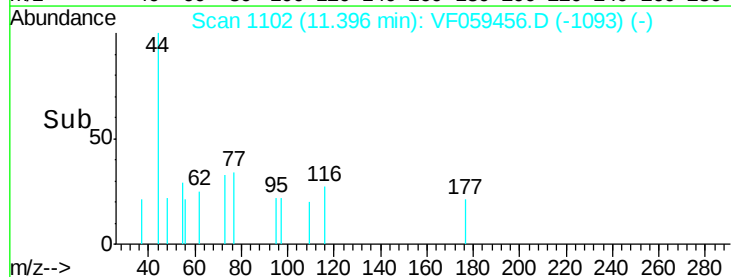
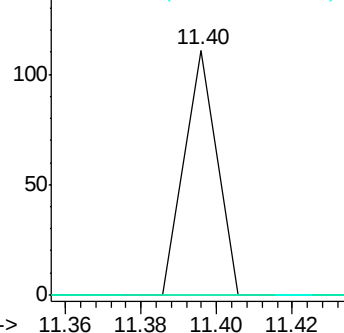
176 0.0 0.0 161.0

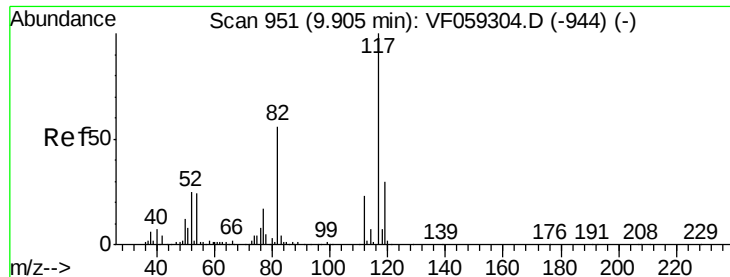


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

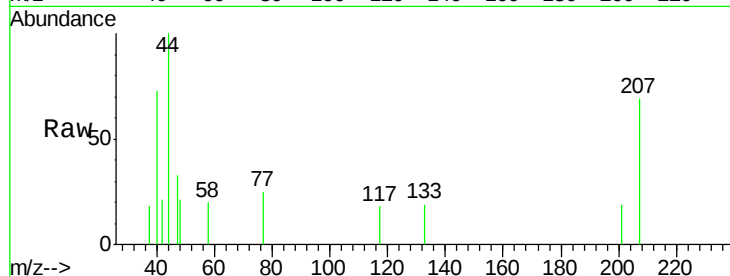




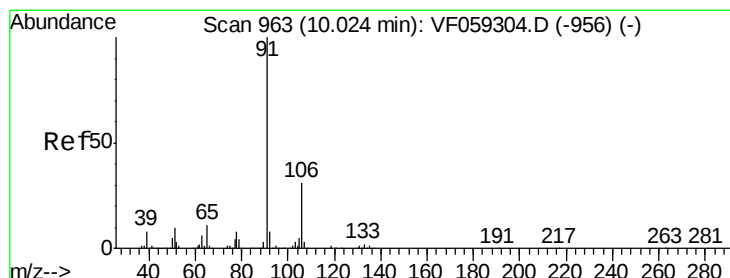
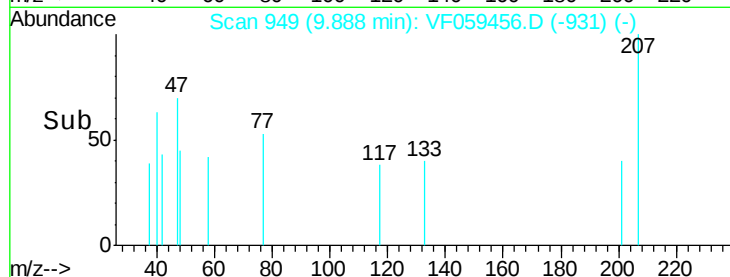
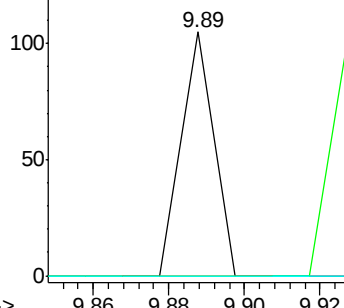
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Instrument :
MSVOA_F
ClientSampled :
S4

Tot Ion:117 Resp: 62
Ion Ratio Lower Upper
117 100
82 0.0 44.6 66.8#
119 0.0 24.1 36.1#

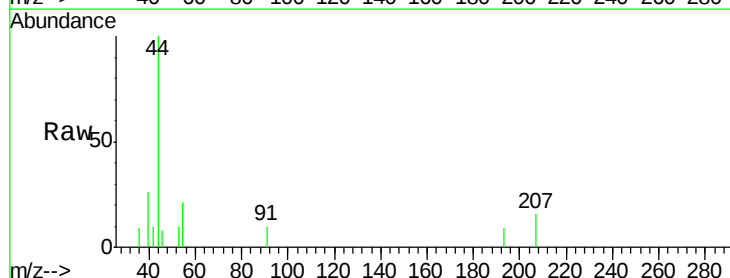


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

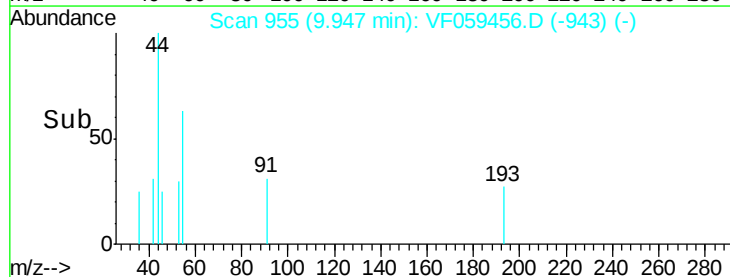
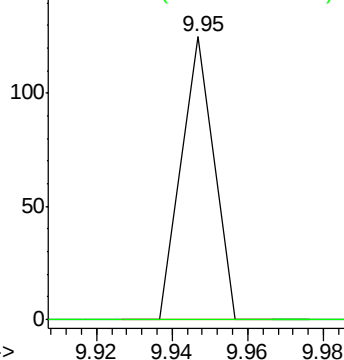


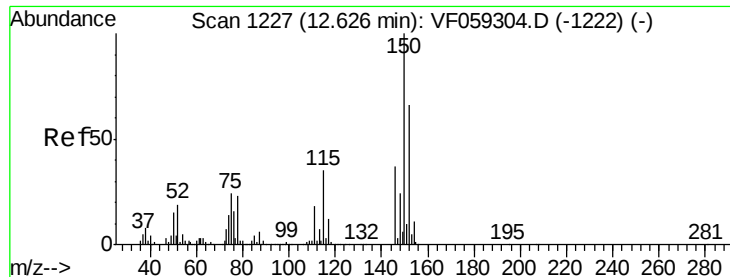
#67
Ethyl Benzene
Concen: 37.97 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.08 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Tgt Ion: 91 Resp: 74
Ion Ratio Lower Upper
91 100
106 0.0 24.8 37.2#



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: 50.00 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.14 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampleId :

S4

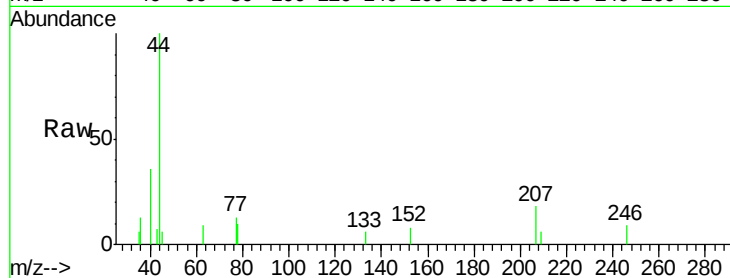
Tot Ion:152 Resp: 80

Ion Ratio Lower Upper

152 100

115 0.0 27.1 81.3#

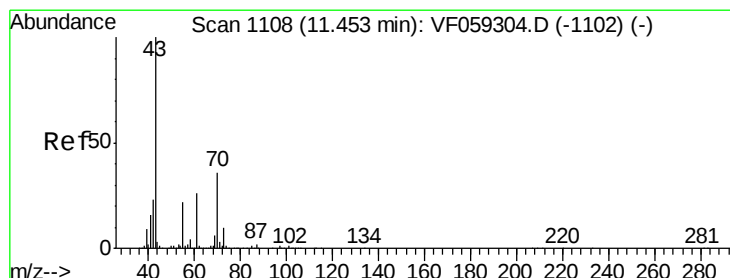
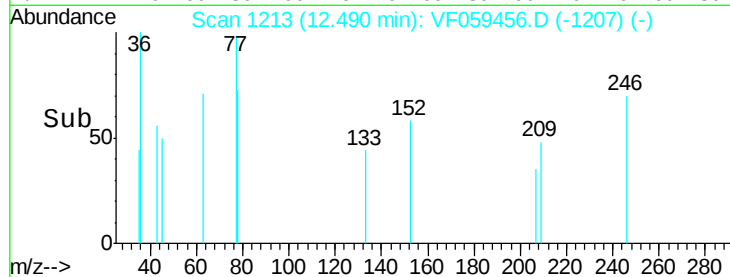
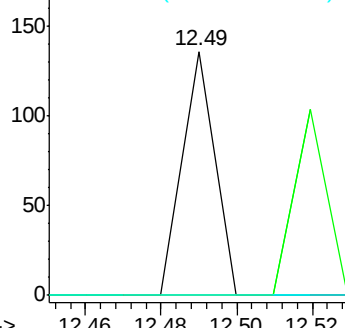
150 0.0 0.0 305.2



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-aryl acetate

Concen: 62.67 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Tgt Ion: 43 Resp: 106

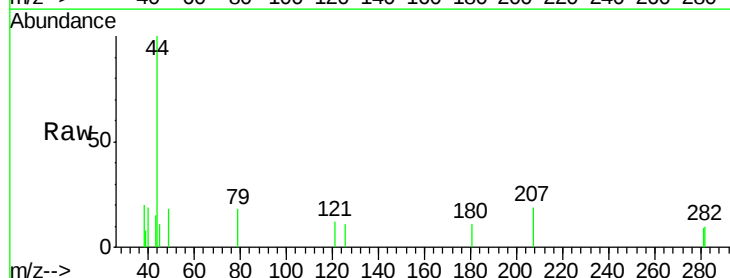
Ion Ratio Lower Upper

43 100

70 0.0 28.8 43.2#

55 0.0 17.4 26.0#

61 0.0 21.1 31.7#

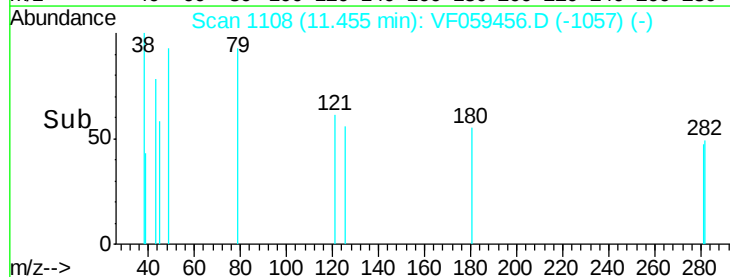
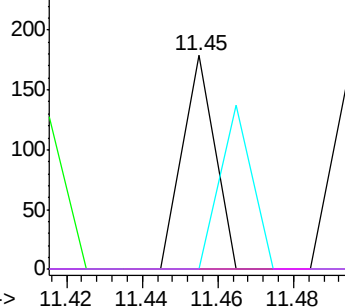


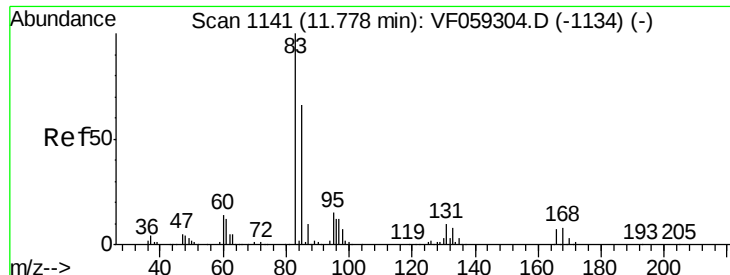
Abundance Ion 43.00 (42.70 to 43.70): VF0

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

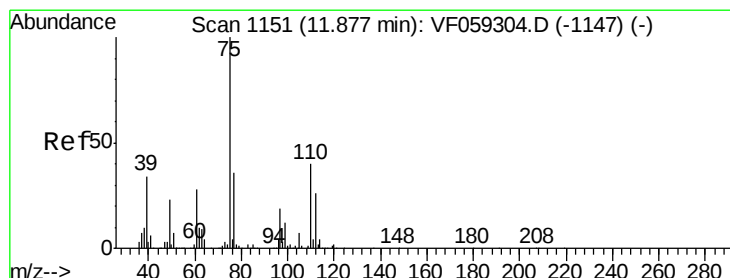
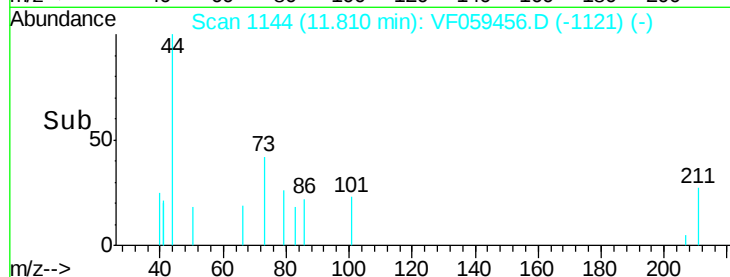
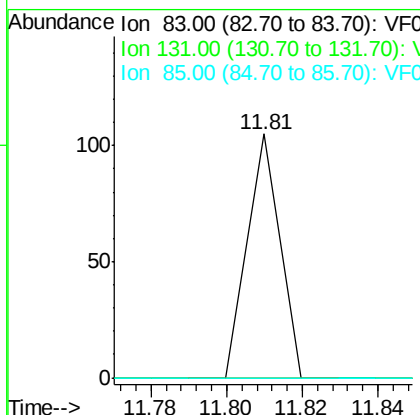
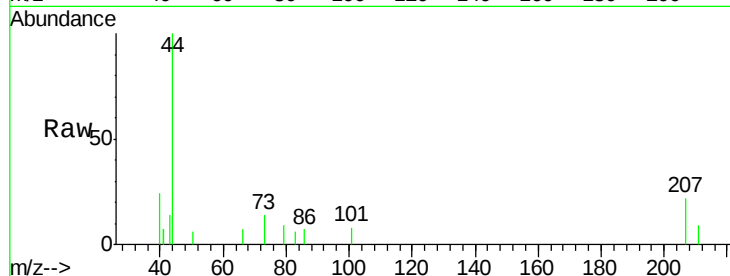




#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.67 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.03 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

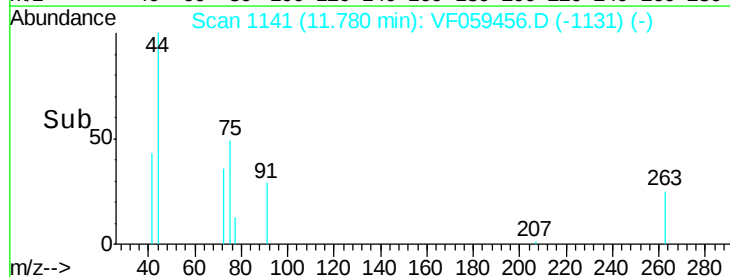
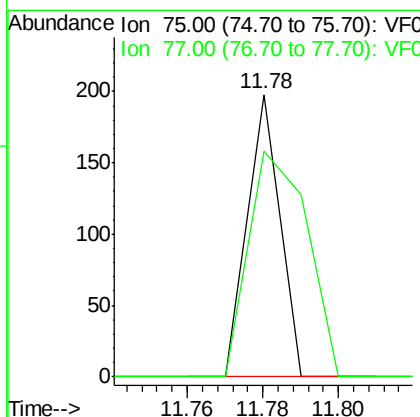
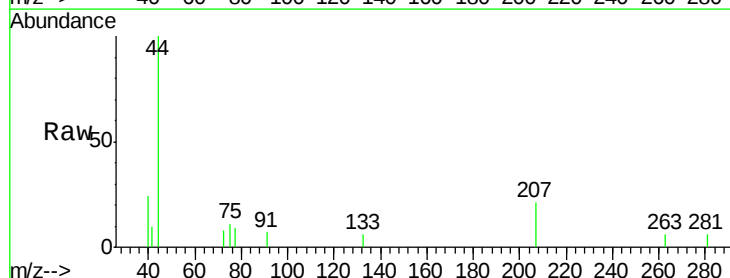
Instrument :
 MSVOA_F
 ClientSampled :
 S4

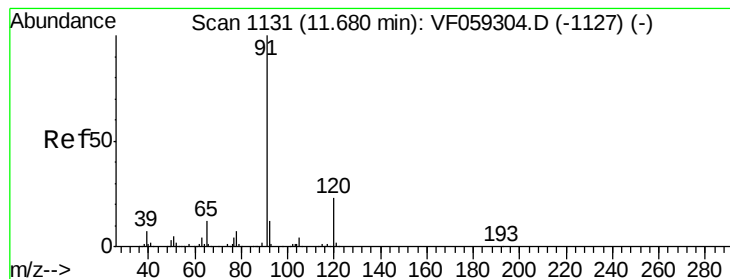
Tot Ion: 83 Resp: 62
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.6#
 85 0.0 32.8 98.4#



#76
 1,2,3-Trichloropropane
 Concen: 131.77 ug/l
 RT: 11.78 min Scan# 1141
 Delta R.T. -0.10 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Tgt Ion: 75 Resp: 117
 Ion Ratio Lower Upper
 75 100
 77 79.8 18.0 54.0#





#78

n-propylbenzene

Concen: 12.51 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.10 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

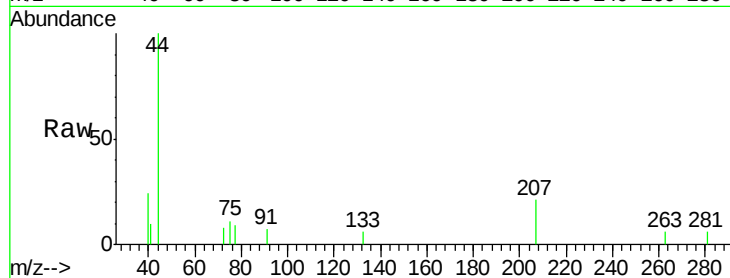
S4

Tot Ion: 91 Resp: 70

Ion Ratio Lower Upper

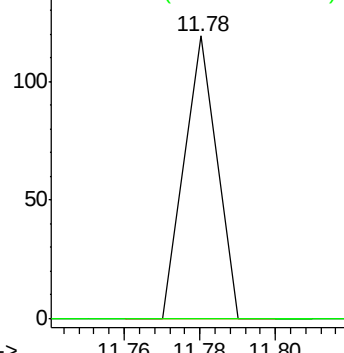
91 100

120 0.0 11.7 35.0#

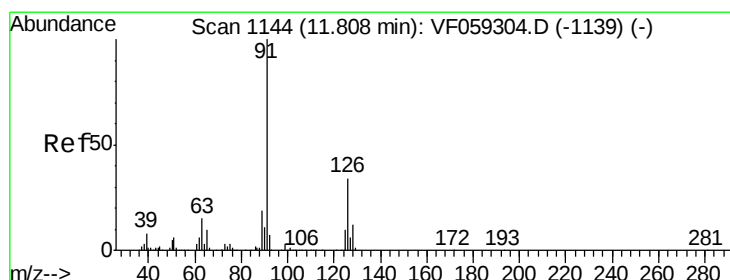
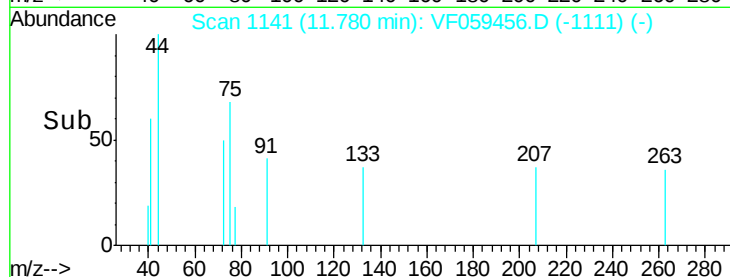


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 20.47 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF059456.D

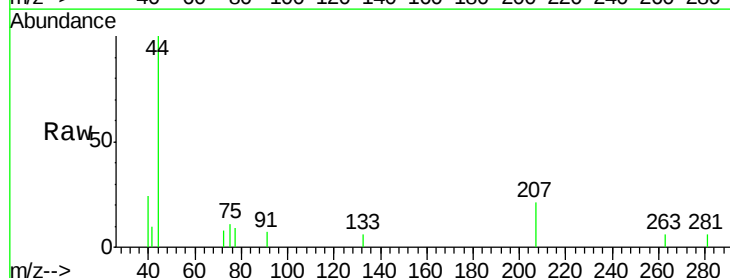
Acq: 6 Jul 2018 18:18

Tgt Ion: 91 Resp: 70

Ion Ratio Lower Upper

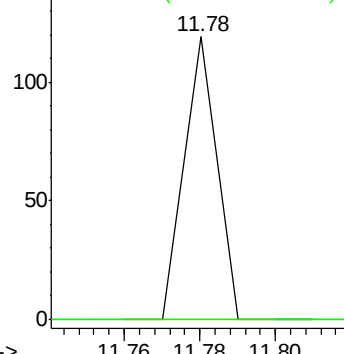
91 100

126 0.0 17.2 51.5#

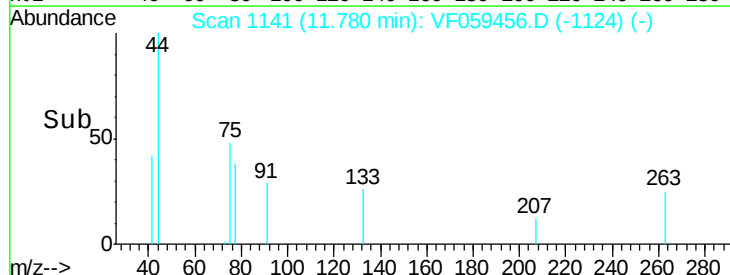


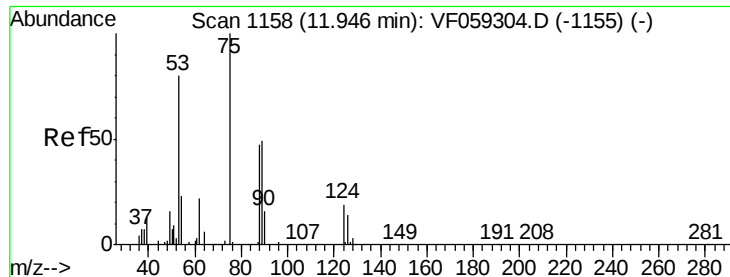
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 121.11 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.05 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampleId :

S4

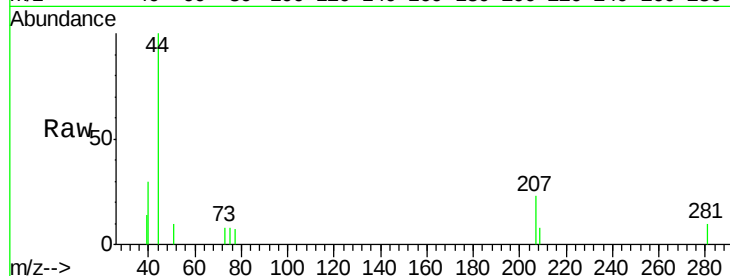
Tot Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

53 0.0 68.8 103.2#

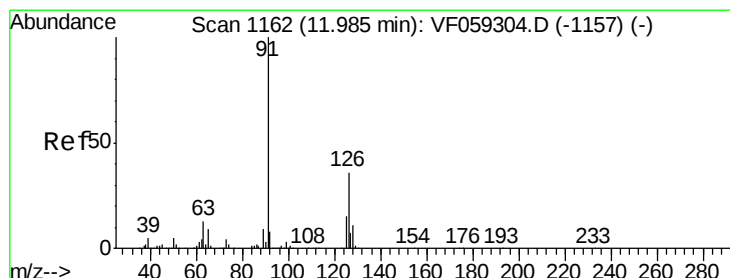
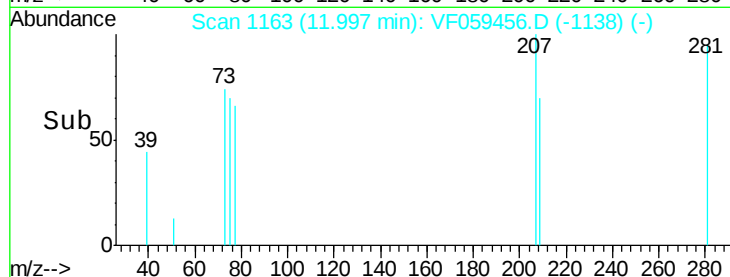
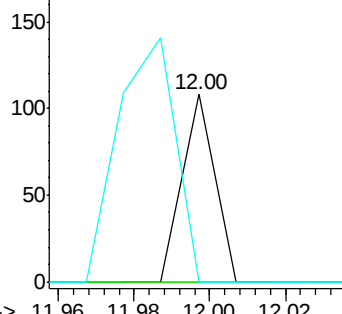
89 0.0 42.0 63.0#



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



#82

4-Chlorotoluene

Concen: 17.47 ug/l

RT: 12.04 min Scan# 1167

Delta R.T. 0.05 min

Lab File: VF059456.D

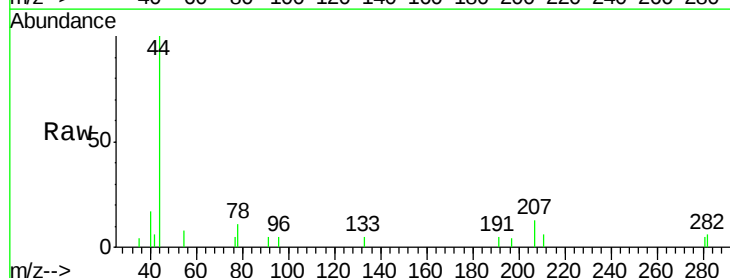
Acq: 6 Jul 2018 18:18

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

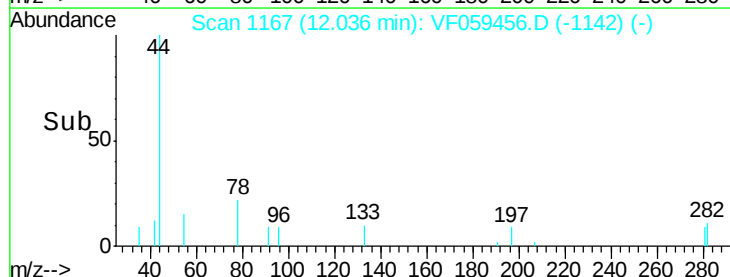
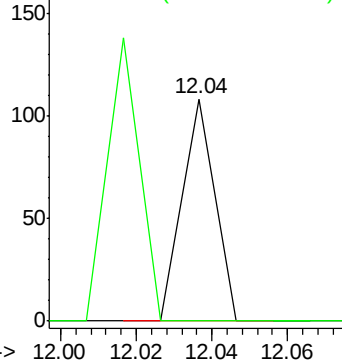
91 100

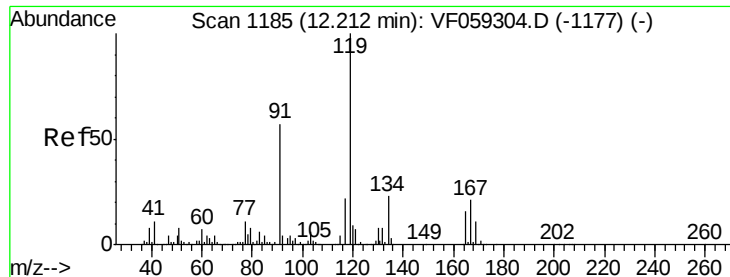
126 0.0 18.2 54.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

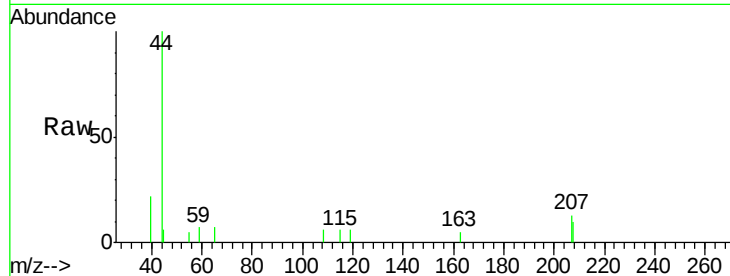




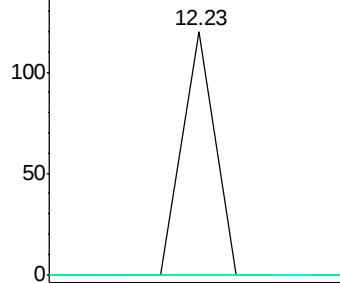
#83
tert-Butylbenzene
Concen: 17.39 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. 0.02 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

Instrument :
MSVOA_F
ClientSampled :
S4

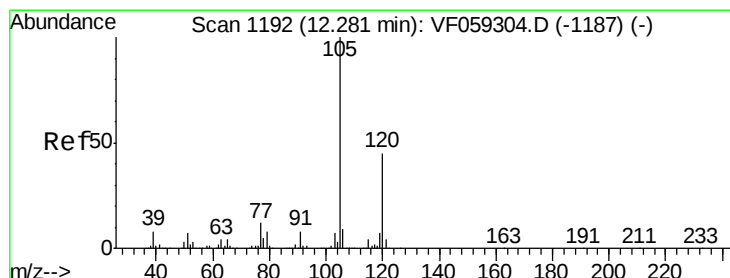
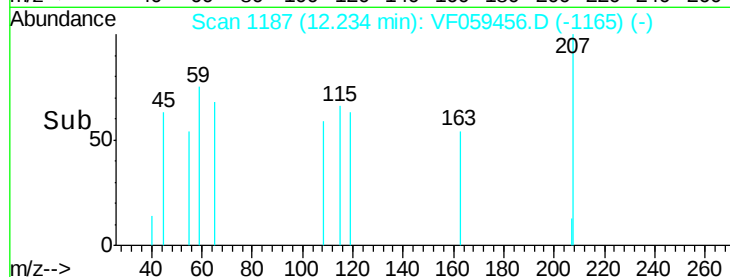
Tot Ion:119 Resp: 71
Ion Ratio Lower Upper
119 100
91 0.0 28.4 85.2#
134 0.0 11.7 35.1#



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

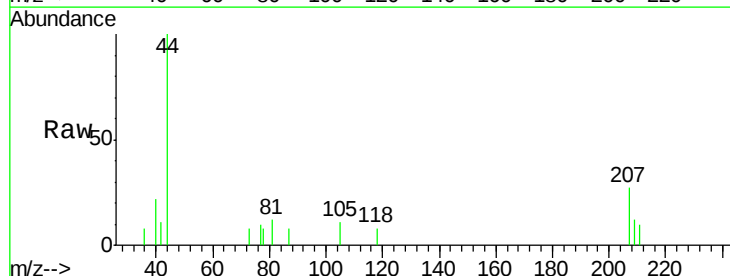


Time--> 12.20 12.22 12.24 12.26

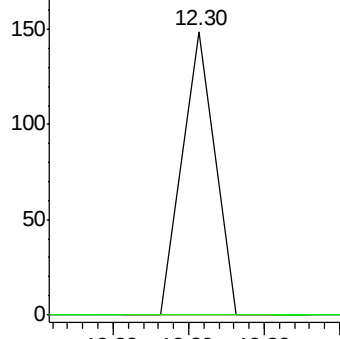


#84
1,2,4-Trimethylbenzene
Concen: 20.47 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.02 min
Lab File: VF059456.D
Acq: 6 Jul 2018 18:18

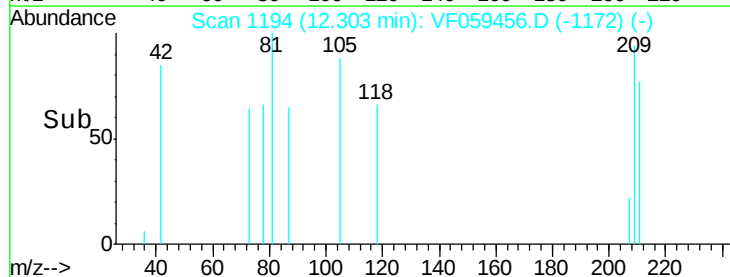
Tgt Ion:105 Resp: 88
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#

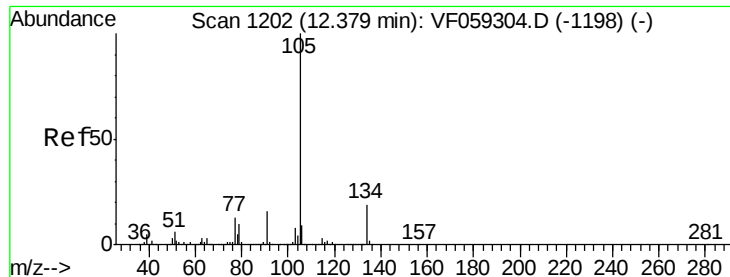


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time--> 12.28 12.30 12.32

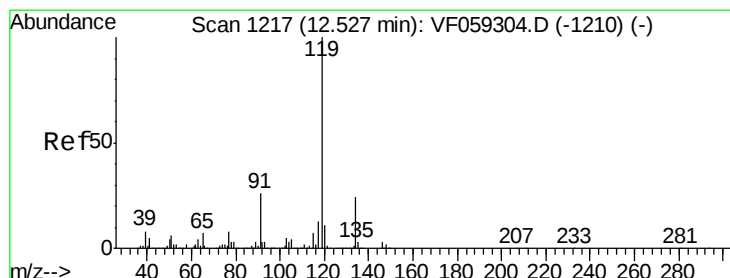
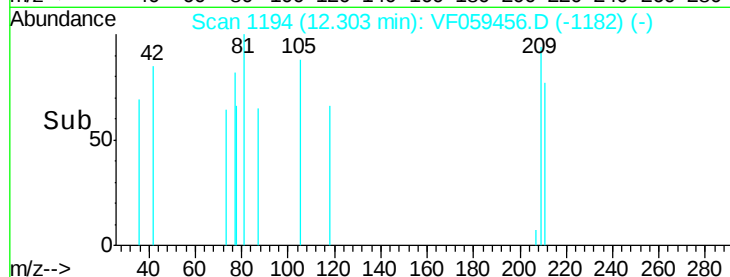
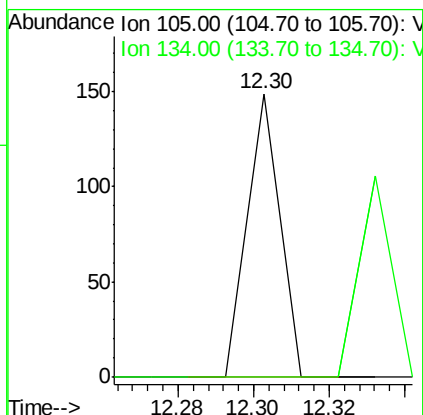
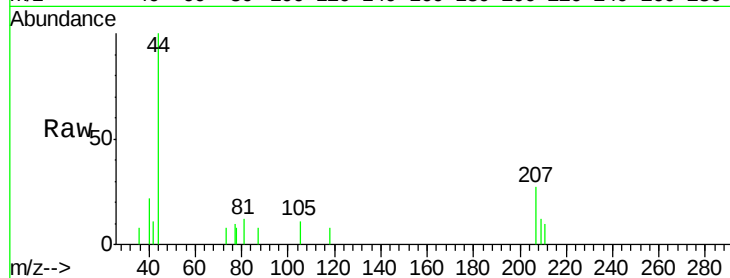




#85
 sec-Butylbenzene
 Concen: 16.26 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.08 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

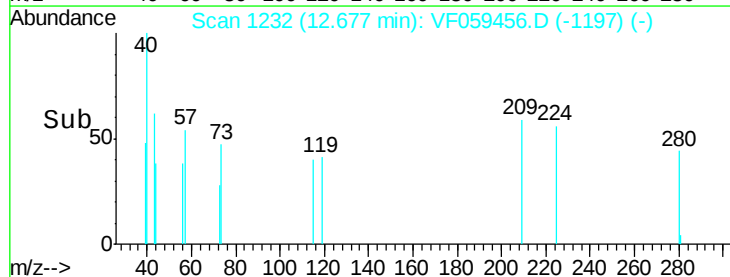
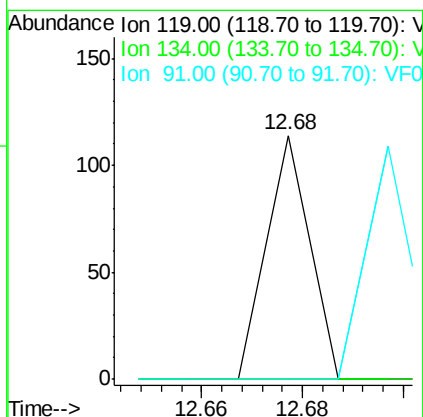
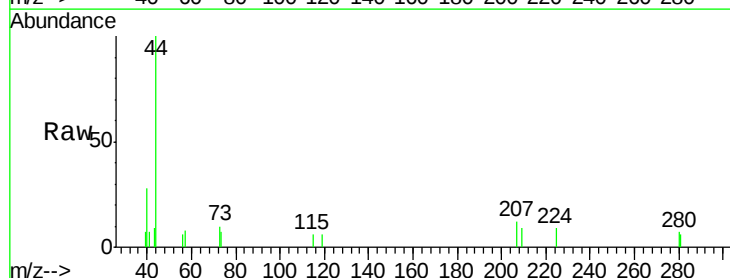
Instrument :
 MSVOA_F
 ClientSampled :
 S4

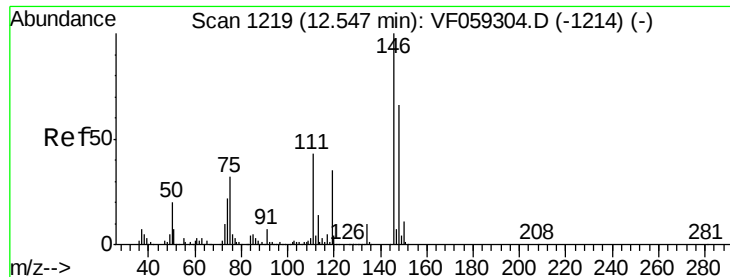
Tot Ion:105 Resp: 88
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#



#86
 p-Isopropyltoluene
 Concen: 14.75 ug/l
 RT: 12.68 min Scan# 1232
 Delta R.T. 0.15 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Tgt Ion:119 Resp: 67
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.2 36.4#
 91 0.0 12.9 38.6#

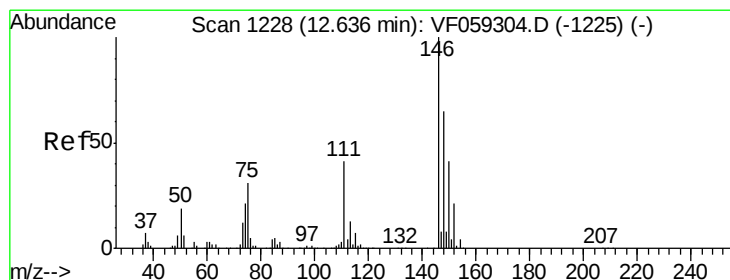
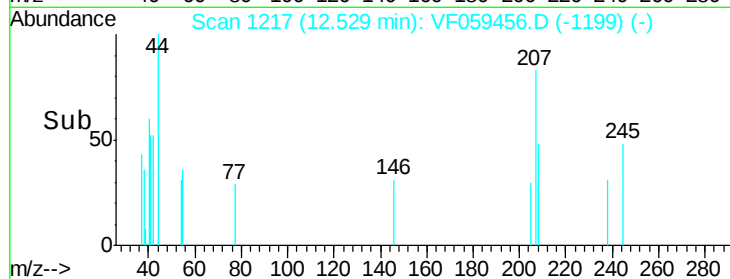
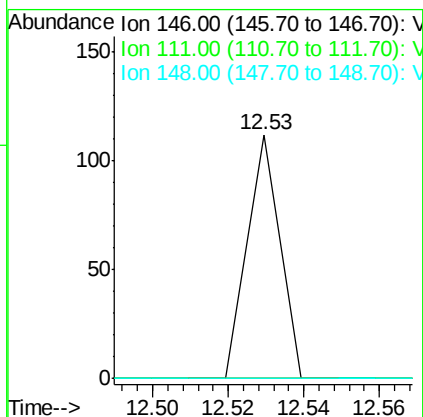
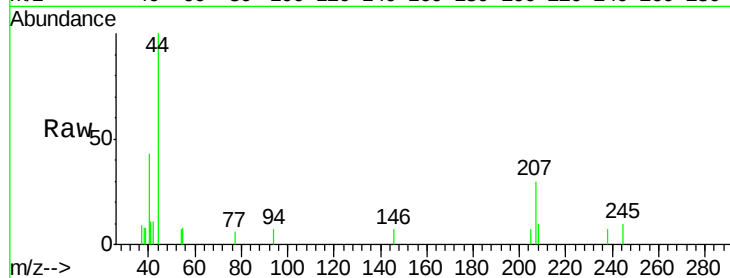




#87
 1,3-Dichlorobenzene
 Concen: 28.98 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

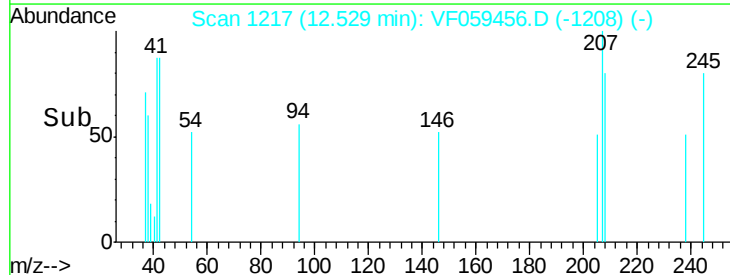
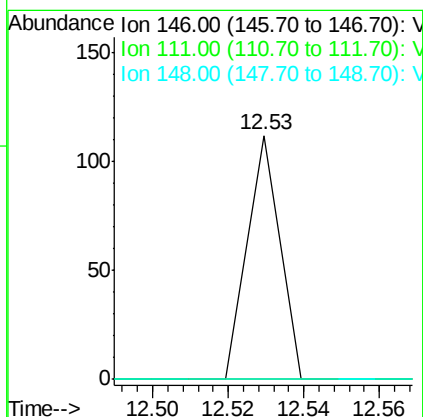
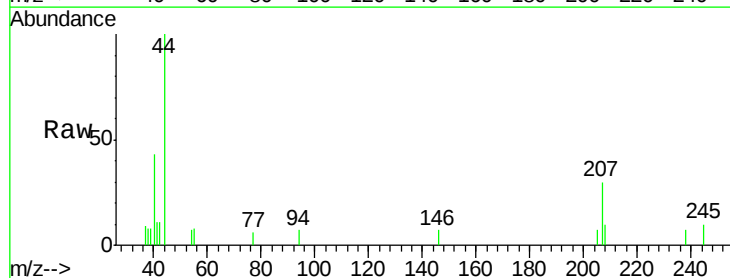
Instrument :
 MSVOA_F
 ClientSampled :
 S4

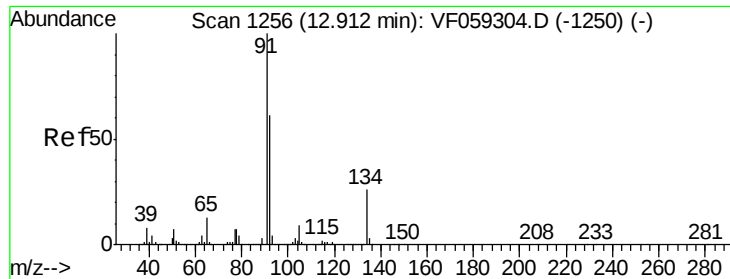
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.2#
148	0.0	32.8	98.4#



#88
 1,4-Dichlorobenzene
 Concen: 28.58 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.11 min
 Lab File: VF059456.D
 Acq: 6 Jul 2018 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.8	98.3#





#89

n-Butylbenzene

Concen: 27.76 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.06 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampled :

S4

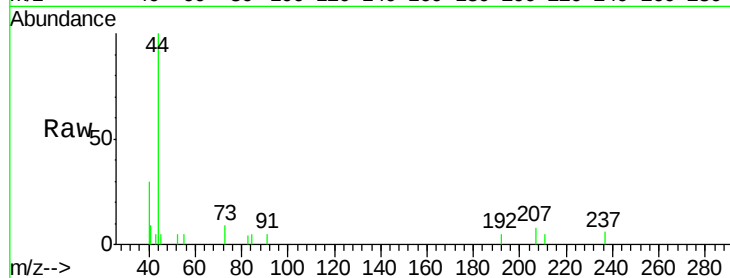
Tot Ion: 91 Resp: 128

Ion Ratio Lower Upper

91 100

92 0.0 30.3 91.0#

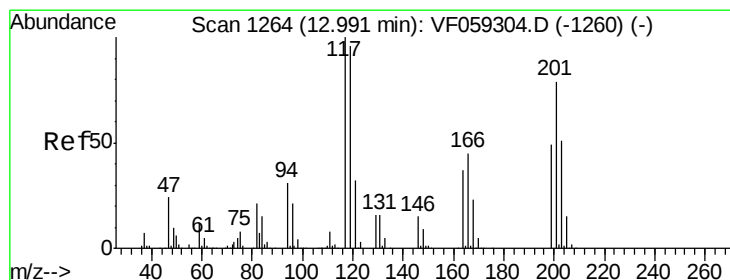
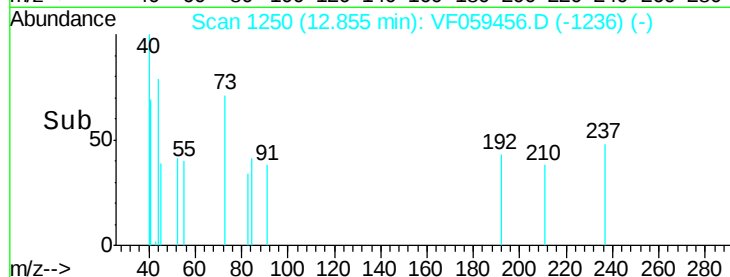
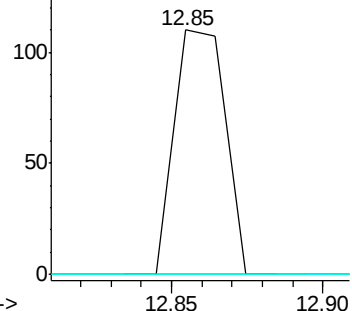
134 0.0 12.9 38.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 63.60 ug/l

RT: 13.10 min Scan# 1275

Delta R.T. 0.11 min

Lab File: VF059456.D

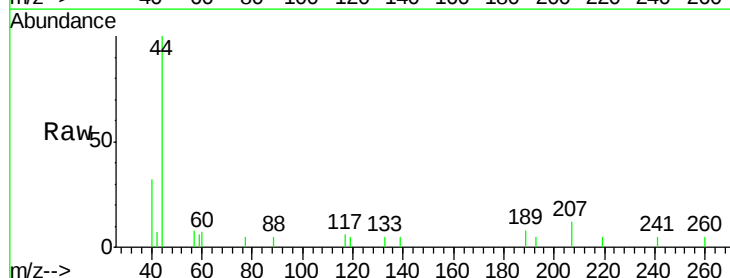
Acq: 6 Jul 2018 18:18

Tgt Ion: 117 Resp: 72

Ion Ratio Lower Upper

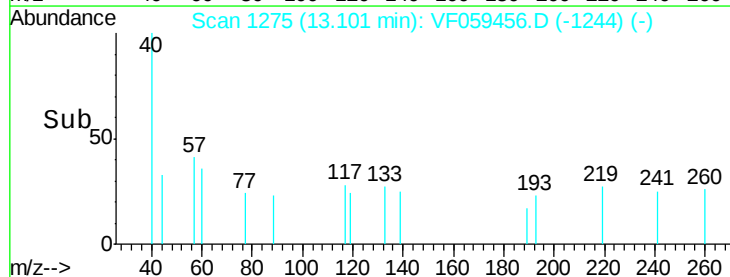
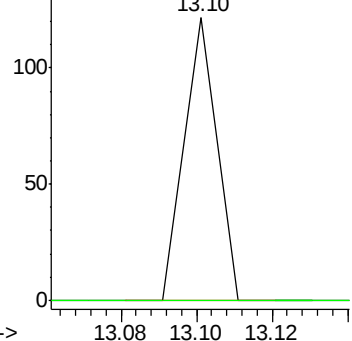
117 100

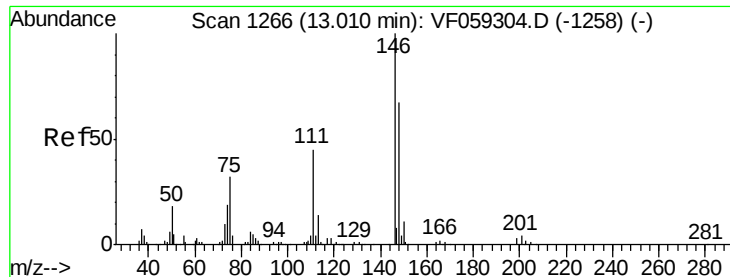
201 0.0 39.5 118.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 29.82 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.17 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampleId :

S4

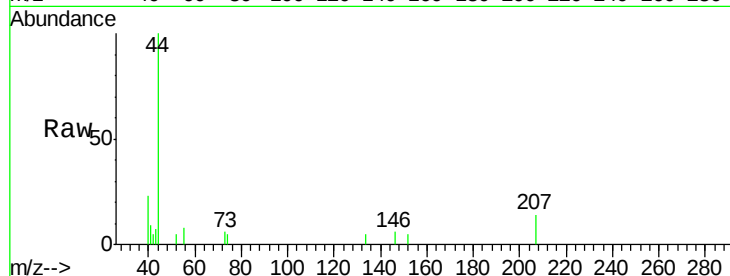
Tot Ion:146 Resp: 70

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.0#

148 0.0 33.5 100.4#

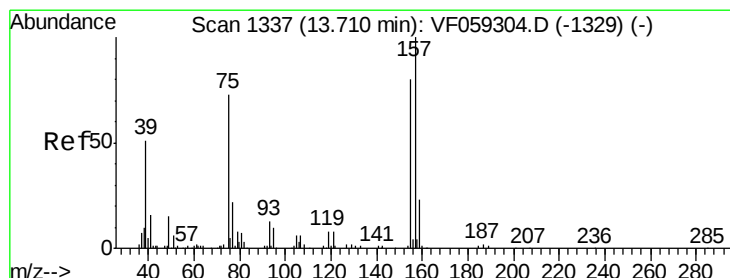
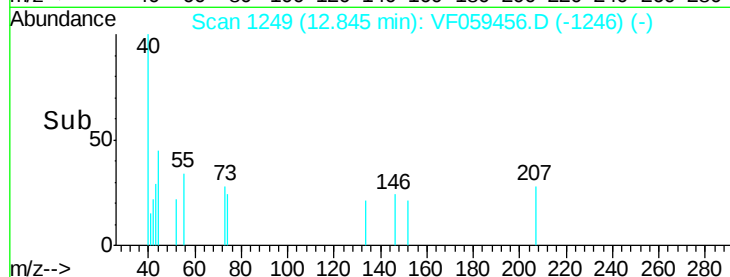
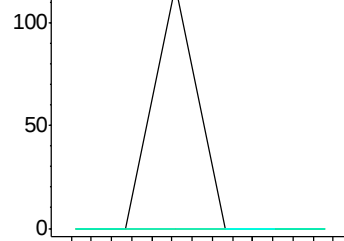


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.84



#92

1,2-Dibromo-3-Chloropropane

Concen: 444.57 ug/l

RT: 13.75 min Scan# 1341

Delta R.T. 0.04 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

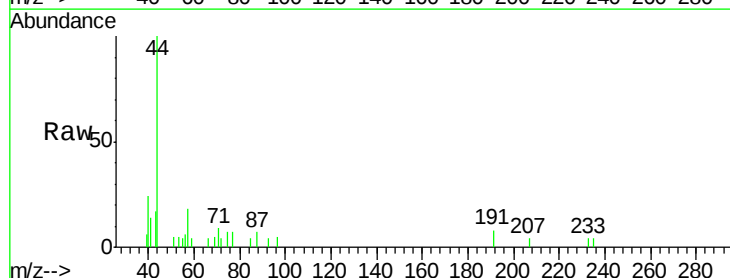
Tgt Ion: 75 Resp: 116

Ion Ratio Lower Upper

75 100

155 0.0 54.6 163.8#

157 0.0 68.7 205.9#

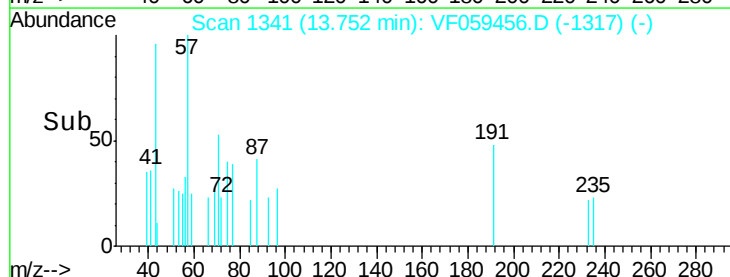
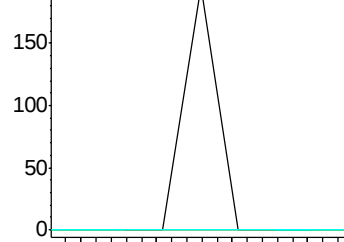


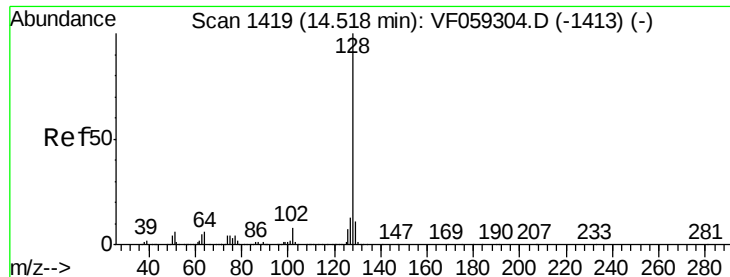
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.75





#95

Naphthalene

Concen: 17.07 ug/l

RT: 14.57 min Scan# 1424

Delta R.T. 0.05 min

Lab File: VF059456.D

Acq: 6 Jul 2018 18:18

Instrument :

MSVOA_F

ClientSampleId :

S4

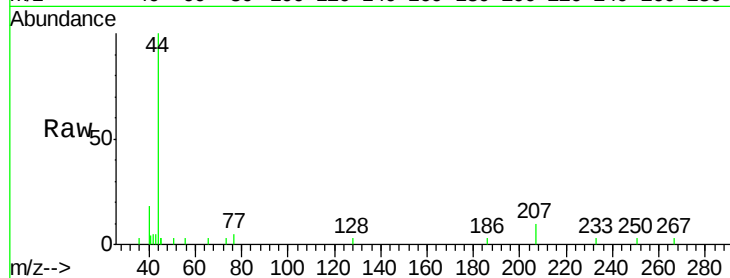
Tot Ion:128 Resp: 62

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.8 13.2#



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

