

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059915.D
 Acq On : 7 Aug 2018 11:39
 Operator : VA/AP
 Sample : J4348-01
 Misc : 5.12g/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 72-11930

Quant Time: Aug 07 12:32:06 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	5.74	114	64	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	59	50.00	ug/l	-0.15
72) 1,4-Dichlorobenzene-d4	12.62	152	70	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	76	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	7.57	98	79	58.31	ug/l	-0.15
Spiked Amount			Recovery	=	116.62%	
62) 4-Bromofluorobenzene	11.41	95	154	202.28	ug/l	-0.10
Spiked Amount			Recovery	=	404.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.47	75	62	83.75	ug/l #	46
37) Ethyl Acetate	4.29	43	70	220.23	ug/l #	1
38) Carbon Tetrachloride	4.04	117	72	67.94	ug/l #	12
39) Methylcyclohexane	5.63	83	66	118.89	ug/l #	13
40) Benzene	4.93	78	134	109.29	ug/l #	49
41) Methacrylonitrile	4.88	41	131	780.96	ug/l #	25
43) Isopropyl Acetate	7.07	43	77	235.27	ug/l #	51
44) Trichloroethene	5.55	130	70	141.98	ug/l #	1
46) Dibromomethane	6.30	93	61	177.96	ug/l #	3
47) Bromodichloromethane	6.62	83	75	80.00	ug/l #	26
48) Methyl methacrylate	6.87	41	64	251.35	ug/l #	12
49) 1,4-Dioxane	6.82	88	73	36777.34	ug/l #	47
51) 4-Methyl-2-Pentanone	8.43	43	68	203.21	ug/l #	43
53) t-1,3-Dichloropropene	8.20	75	167	234.17	ug/l #	44
54) cis-1,3-Dichloropropene	7.33	75	74	100.54	ug/l #	14
56) Ethyl methacrylate	8.68	69	60	155.01	ug/l #	8
59) 2-Hexanone	9.55	43	125	528.79	ug/l #	34
61) 1,2-Dibromoethane	8.94	107	74	180.44	ug/l #	2
67) Ethyl Benzene	10.02	91	64	30.68	ug/l #	48
70) Styrene	11.06	104	138	121.04	ug/l #	24
73) Isopropylbenzene	11.23	105	80	18.35	ug/l #	51
74) N-amyl acetate	11.50	43	357	314.26	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	11.79	83	84	102.62	ug/l #	23
76) 1,2,3-Trichloropropane	11.90	75	150	213.34	ug/l #	44
77) Bromobenzene	11.65	156	64	53.98	ug/l #	37
78) n-propylbenzene	11.69	91	101	19.62	ug/l #	55
79) 2-Chlorotoluene	11.82	91	98	30.09	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.89	105	244	60.27	ug/l #	32
81) trans-1,4-Dichloro-2-buten	12.01	75	80	316.78	ug/l #	13
82) 4-Chlorotoluene	12.00	91	68	19.23	ug/l #	43
83) tert-Butylbenzene	12.18	119	64	16.24	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.38	105	135	32.42	ug/l #	34
85) sec-Butylbenzene	12.38	105	135	25.78	ug/l #	59
86) p-Isopropyltoluene	12.57	119	132	29.99	ug/l #	49

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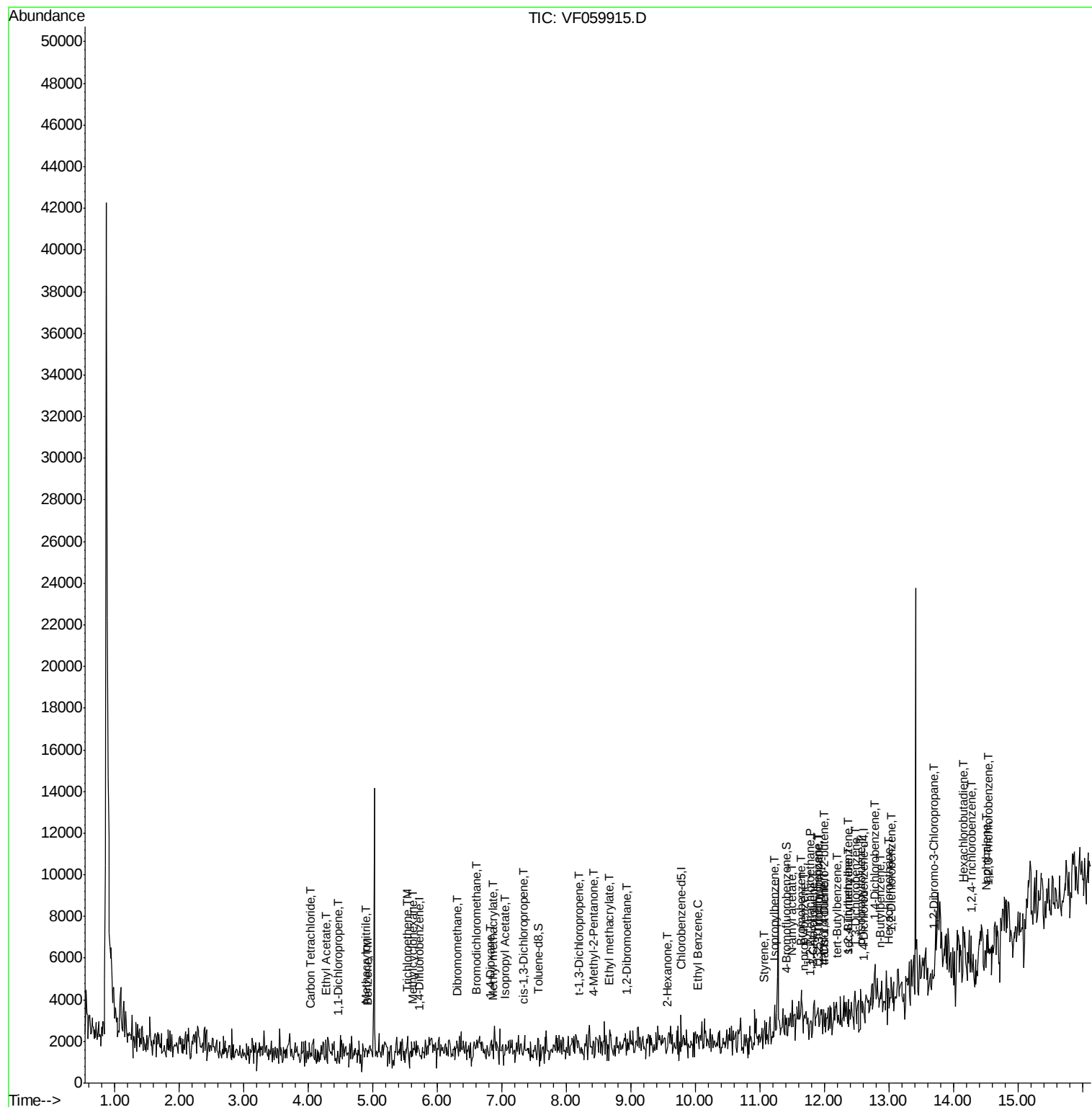
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.49	146	61	27.15	ug/l #	47
88) 1,4-Dichlorobenzene	12.78	146	88	39.90	ug/l #	24
89) n-Butylbenzene	12.87	91	348	82.97	ug/l #	31
90) Hexachloroethane	12.99	117	78	64.22	ug/l #	13
91) 1,2-Dichlorobenzene	13.04	146	99	45.79	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.69	75	63	305.29	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.29	180	76	46.30	ug/l #	13
94) Hexachlorobutadiene	14.15	225	71	61.23	ug/l #	18
95) Naphthalene	14.51	128	160	56.30	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.53	180	137	84.52	ug/l #	12

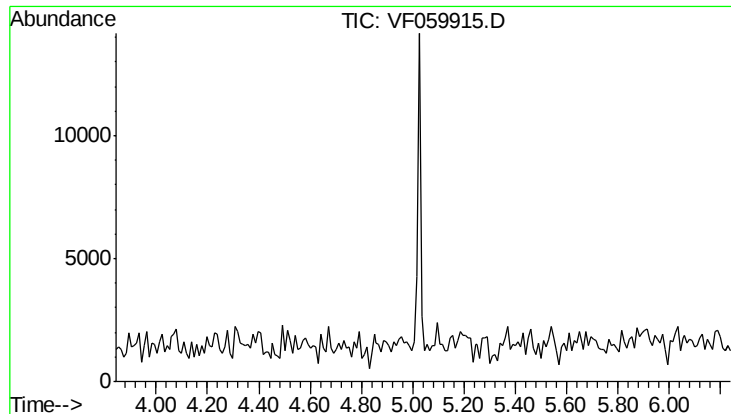
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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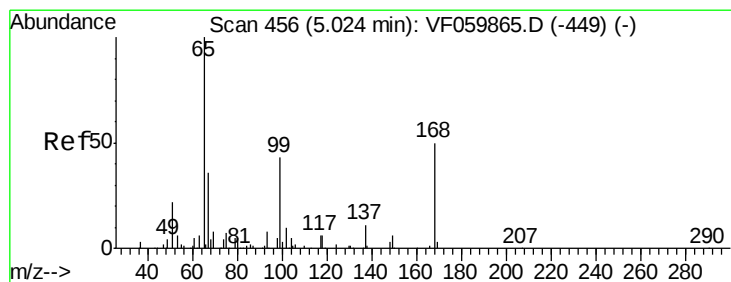
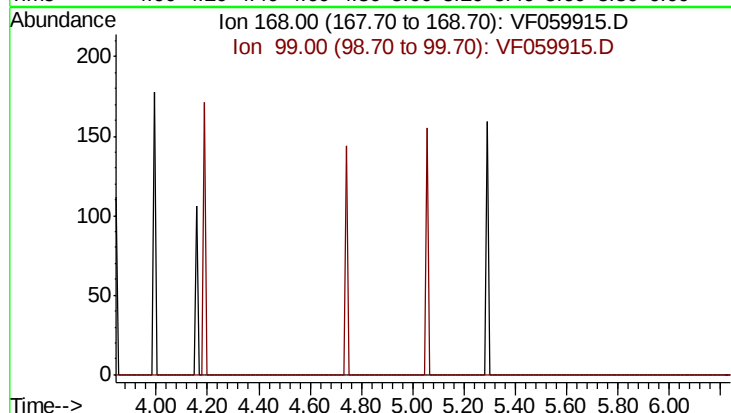




#1
 Pentafluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 5.04 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

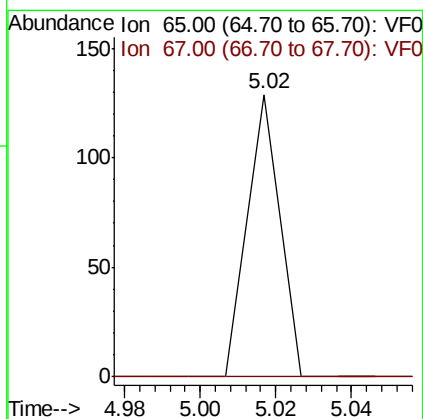
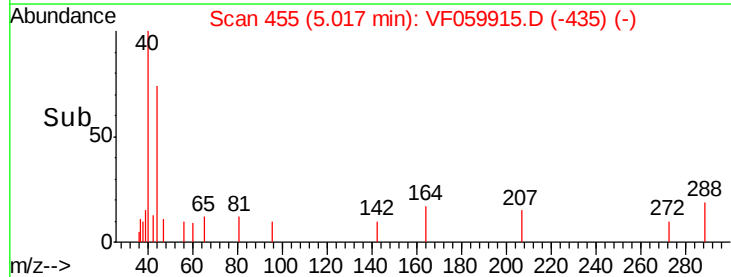
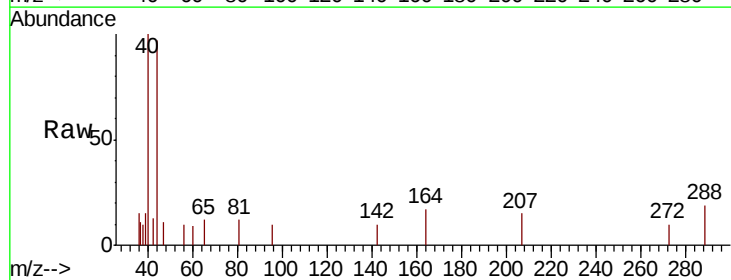
Instrument :
 MSVOA_F
 ClientSampleId :
 72-11930

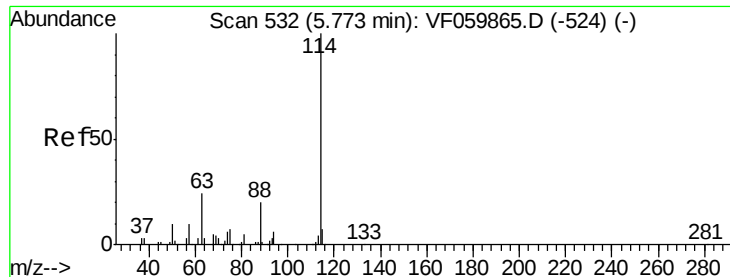
Tot Ion: 168
 Sig Exp Ratio
 168 100
 99 82.9



#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

Tgt Ion: 65 Resp: 76
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 77.2

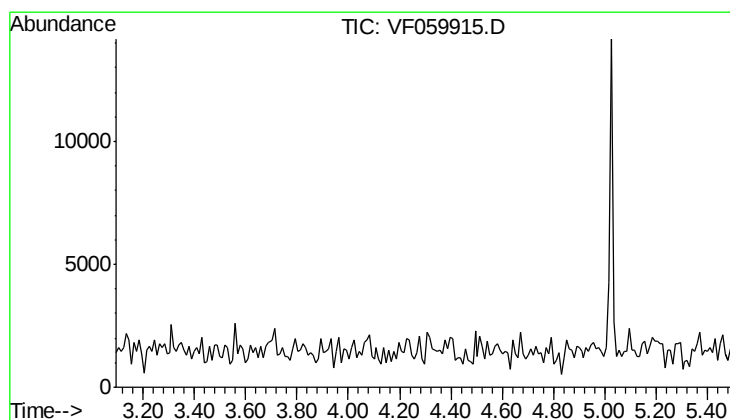
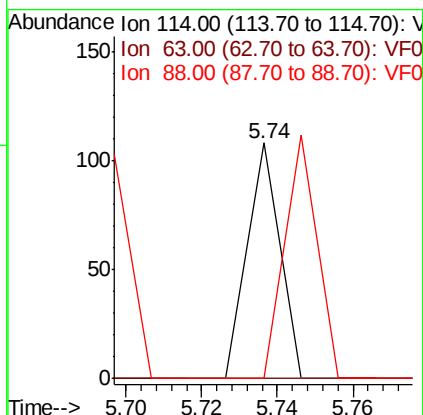
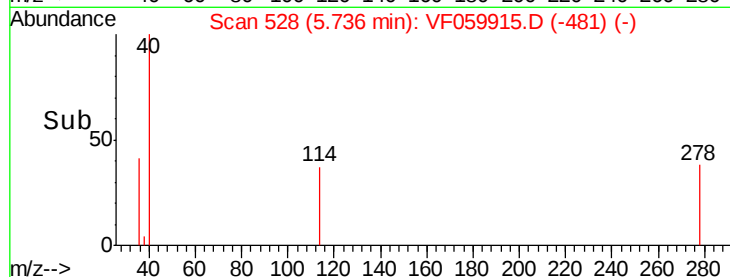
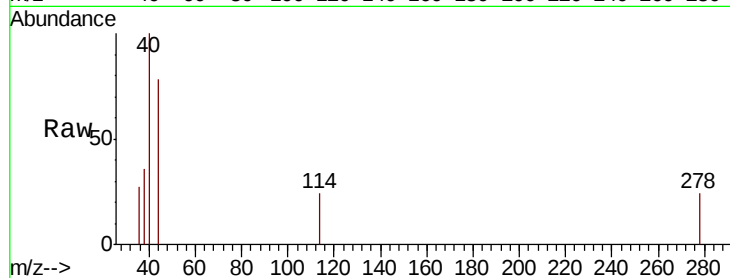




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.74 min Scan# 528
Delta R.T. -0.04 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Instrument :
MSVOA_F
ClientSampleId :
72-11930

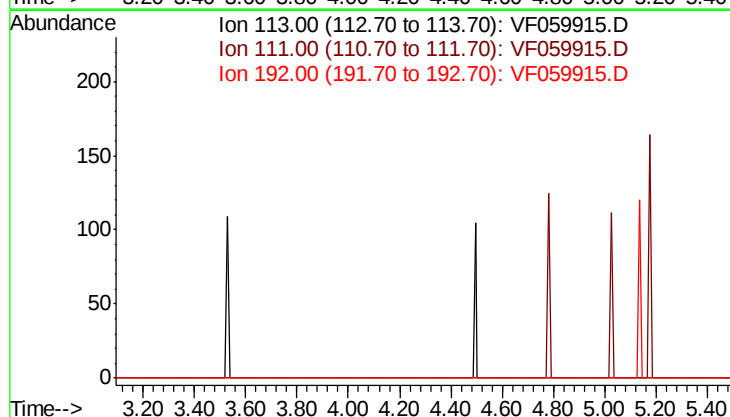
Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	48.0
88	0.0	0.0	39.4

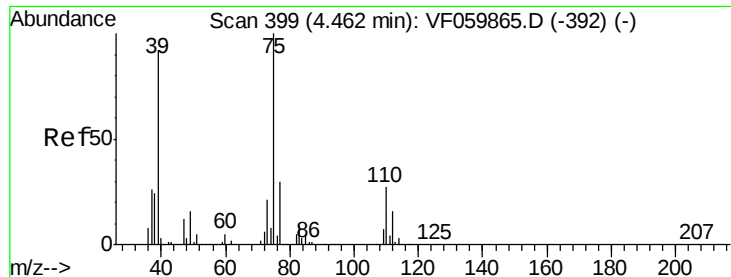


#35
Dibromofluoromethane
Concen: 0.00 ug/l
Expected RT: 4.29 min

Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion	Exp Ratio
113	100
111	102.3
192	15.5

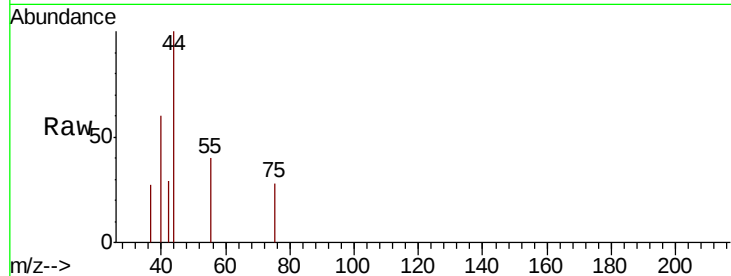




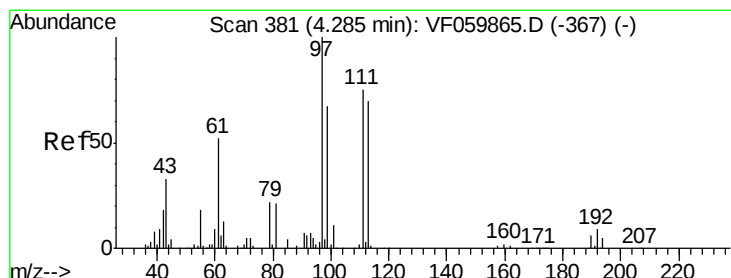
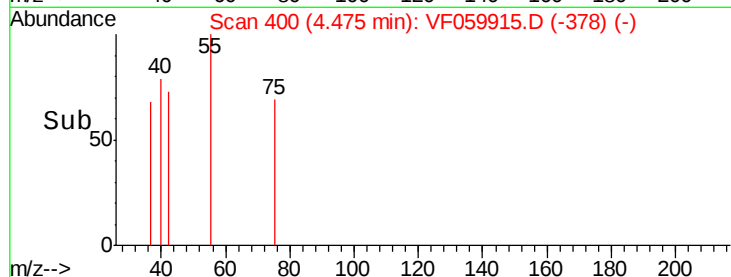
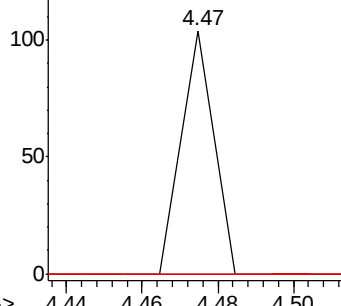
#36
 1,1-Dichloropropene
 Concen: 83.75 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

Instrument :
 MSVOA_F
 ClientSampled :
 72-11930

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

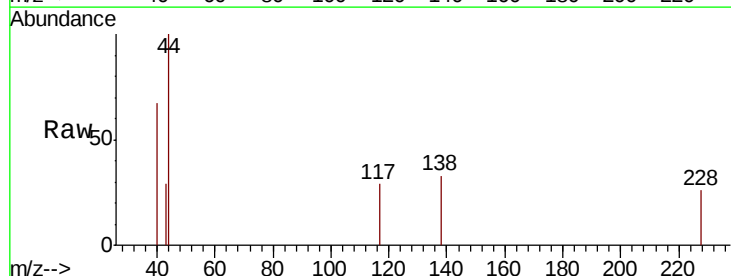


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

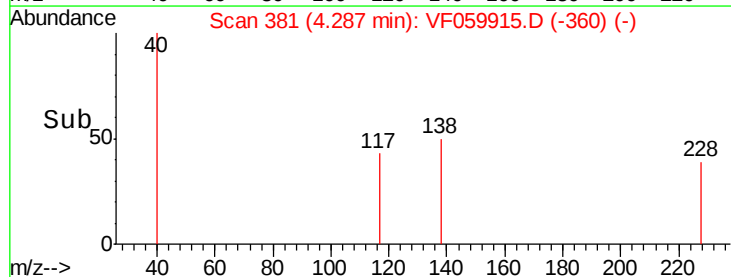
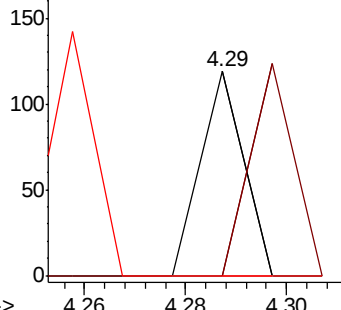


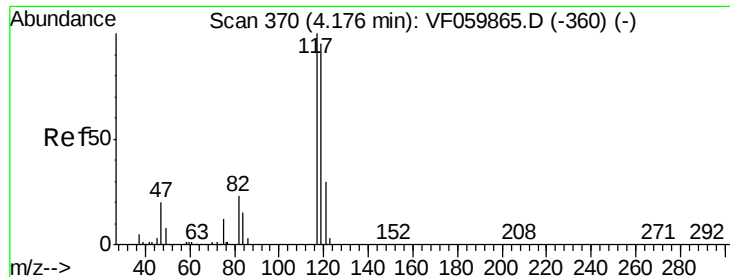
#37
 Ethyl Acetate
 Concen: 220.23 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

Tgt 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





#38

Carbon Tetrachloride

Concen: 67.94 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.14 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

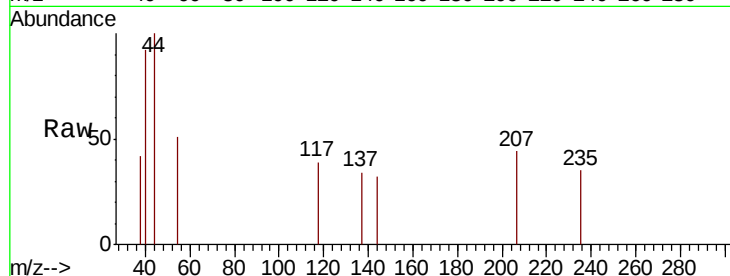
Tot Ion:117 Resp: 72

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

121 0.0 23.8 35.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

4.04

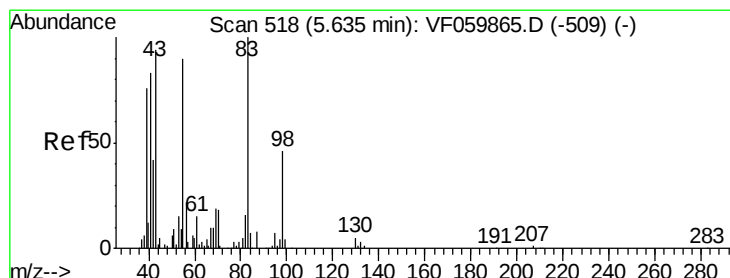
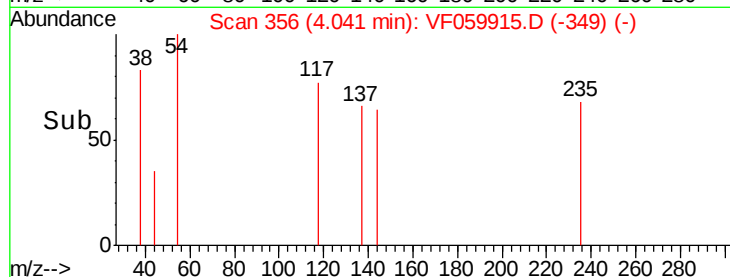
100

50

0

4.02 4.04 4.06

Time-->



#39

Methylcyclohexane

Concen: 118.89 ug/l

RT: 5.63 min Scan# 517

Delta R.T. -0.01 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

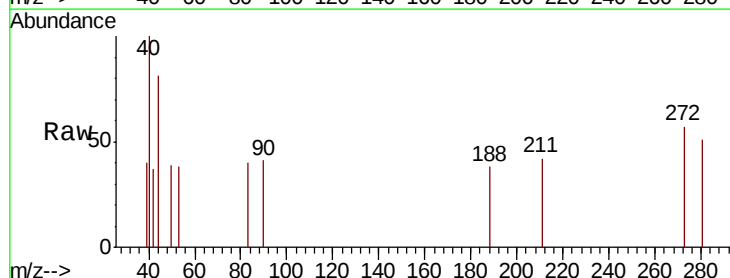
Tgt Ion: 83 Resp: 66

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

5.63

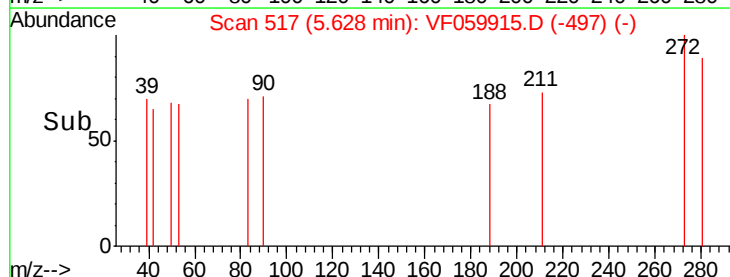
100

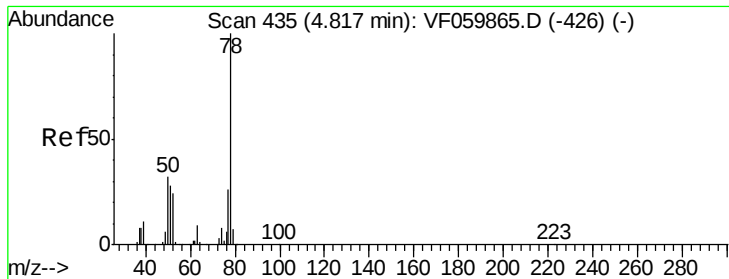
50

0

5.60 5.62 5.64 5.66

Time-->





#40

Benzene

Concen: 109.29 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.11 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

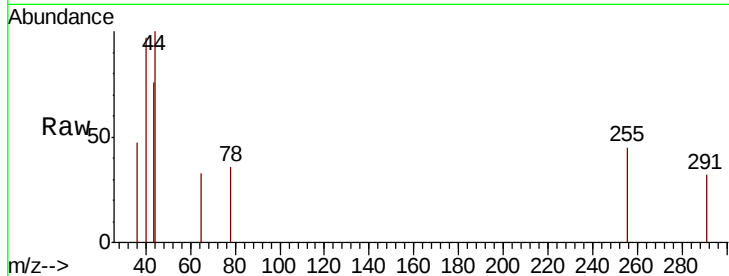
72-11930

Tot Ion: 78 Resp: 134

Ion Ratio Lower Upper

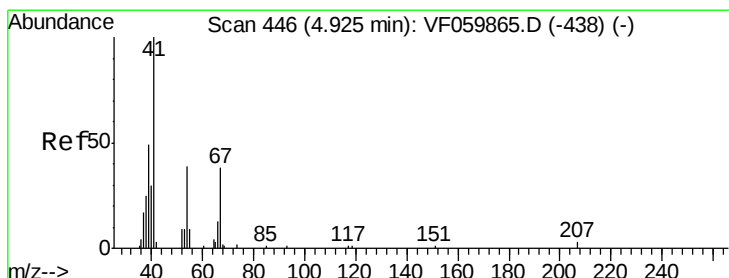
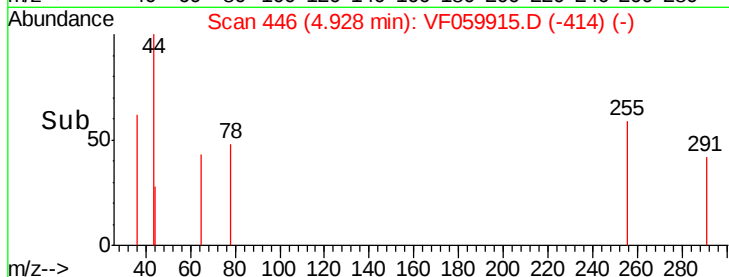
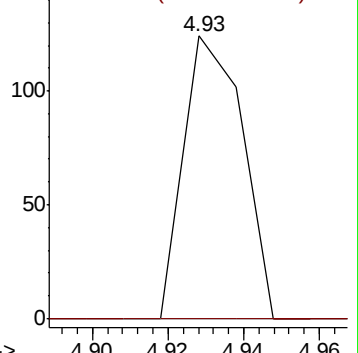
78 100

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: 780.96 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.05 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Tgt Ion: 41 Resp: 131

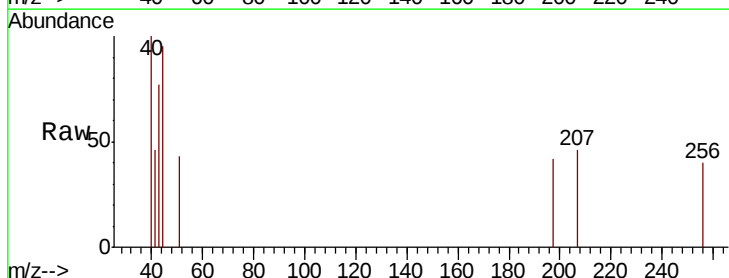
Ion Ratio Lower Upper

41 100

39 0.0 55.1 82.7#

67 0.0 30.3 45.5#

52 0.0 36.0 54.0#

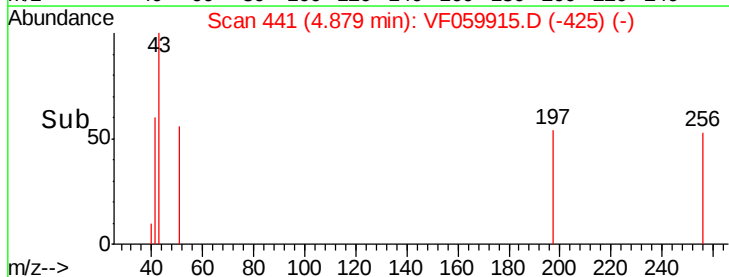
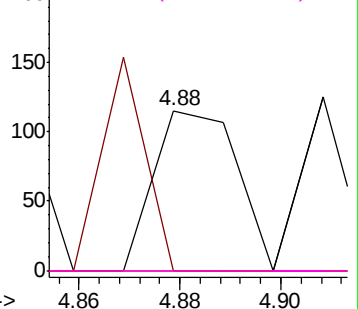


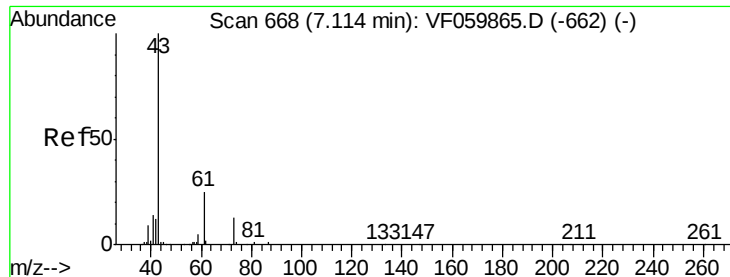
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#43

Isopropyl Acetate

Concen: 235.27 ug/l

RT: 7.07 min Scan# 663

Delta R.T. -0.05 min

Lab File: VF059915.D

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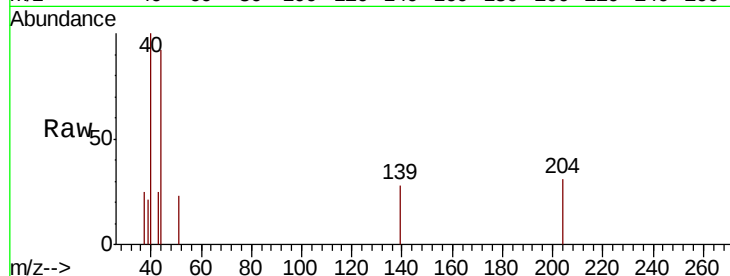
Tot Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

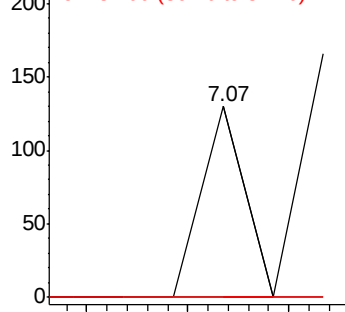
87 0.0 0.7 1.1#



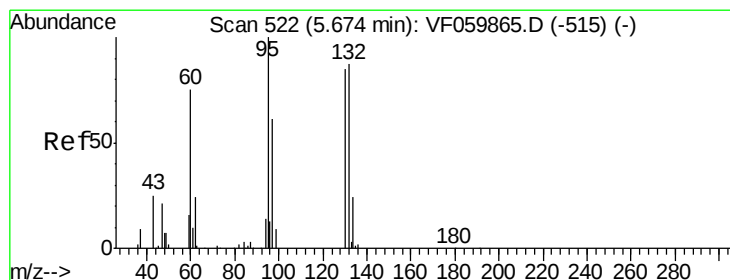
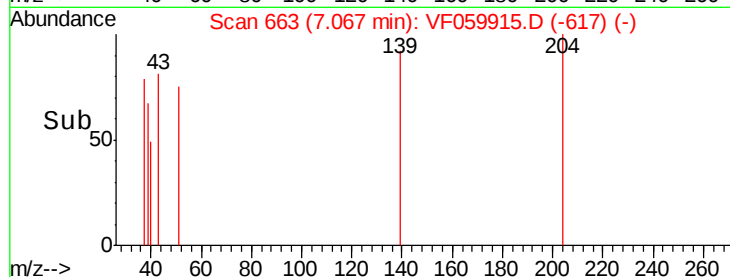
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->



#44

Trichloroethene

Concen: 141.98 ug/l

RT: 5.55 min Scan# 509

Delta R.T. -0.13 min

Lab File: VF059915.D

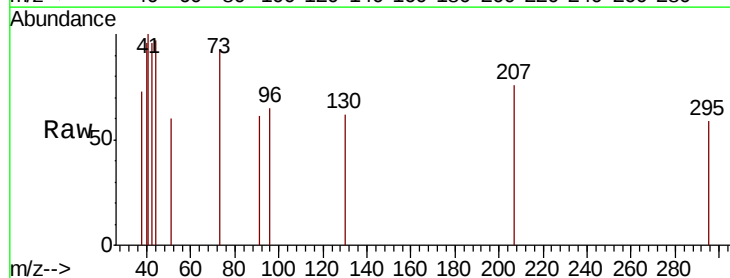
Acq: 7 Aug 2018 11:39

Tgt Ion: 130 Resp: 70

Ion Ratio Lower Upper

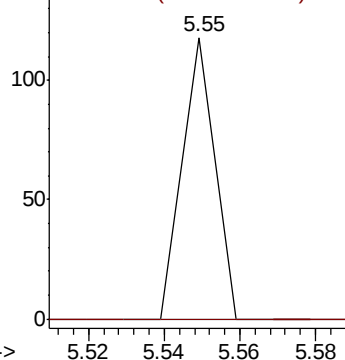
130 100

95 0.0 0.0 236.8

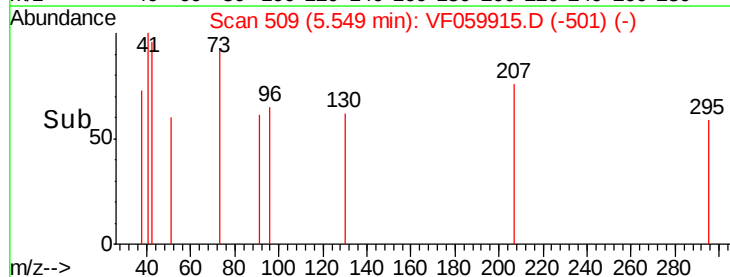


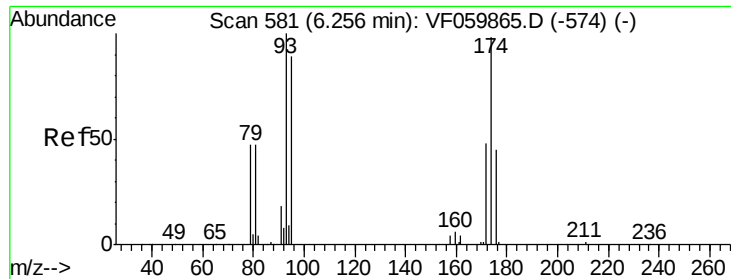
Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



Time-->

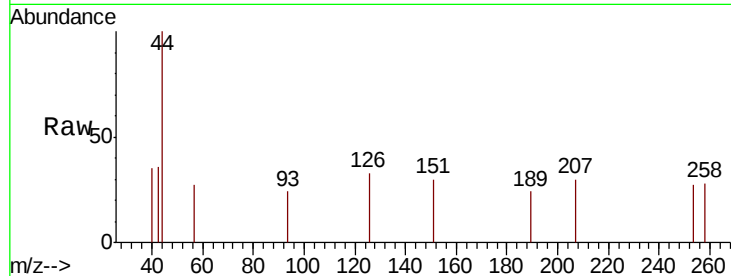




#46
Dibromomethane
Concen: 177.96 ug/l
RT: 6.30 min Scan# 585
Delta R.T. 0.04 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Instrument :
MSVOA_F
ClientSampled :
72-11930

Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	71.4	107.2#
174	0.0	78.1	117.1#

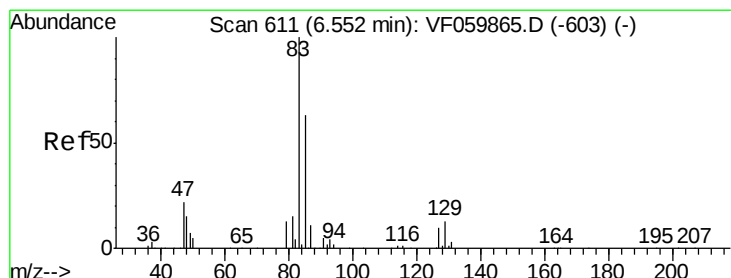
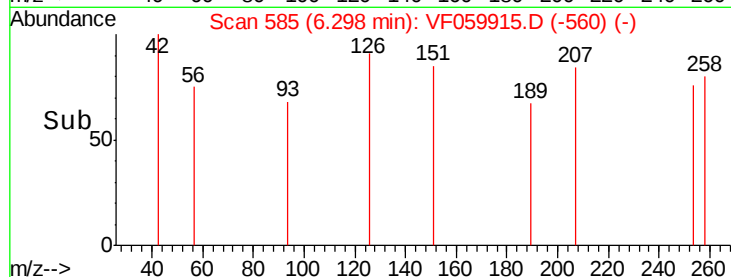
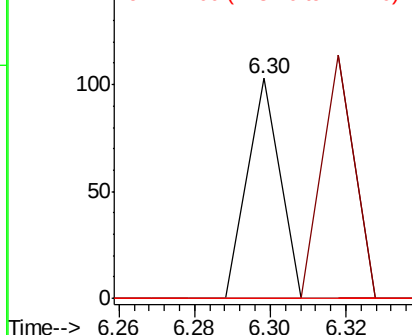


Abundance

Ion 93.00 (92.70 to 93.70): VF0

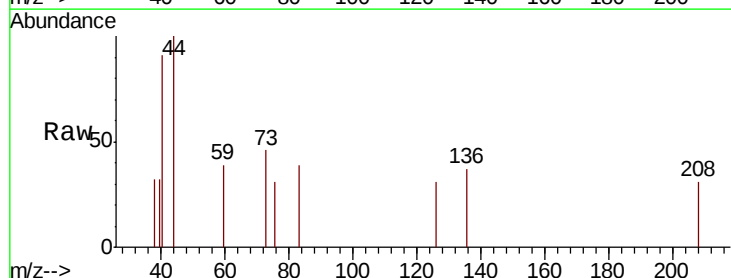
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#47
Bromodichloromethane
Concen: 80.00 ug/l
RT: 6.62 min Scan# 618
Delta R.T. 0.07 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.7	76.1#
127	0.0	8.0	12.0#

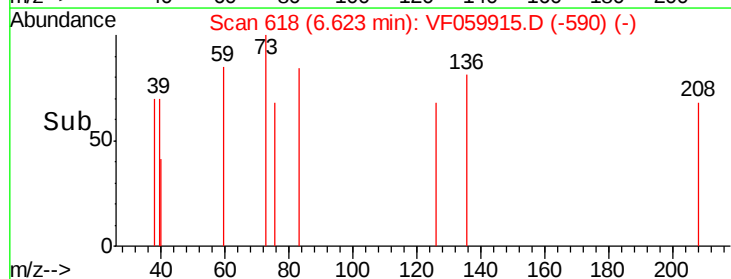
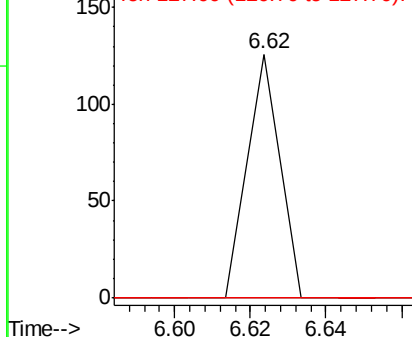


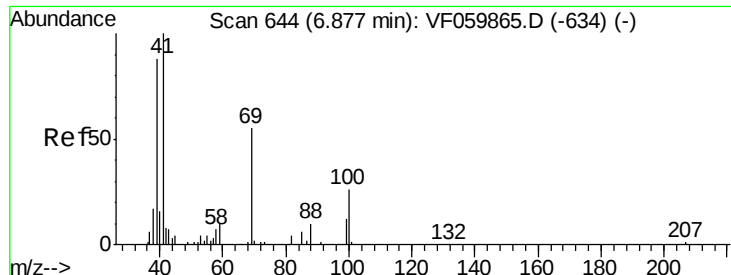
Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

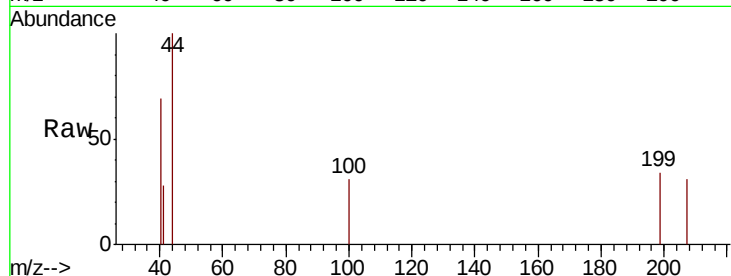




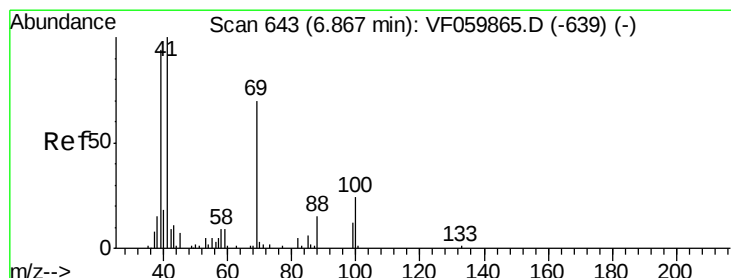
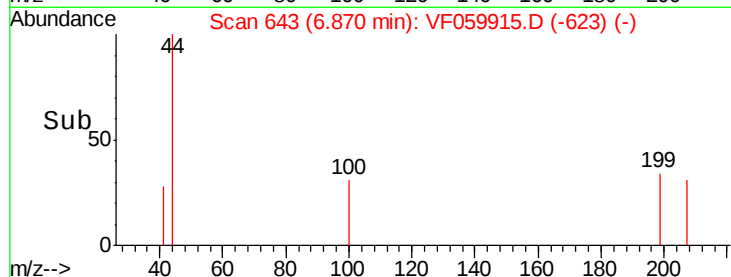
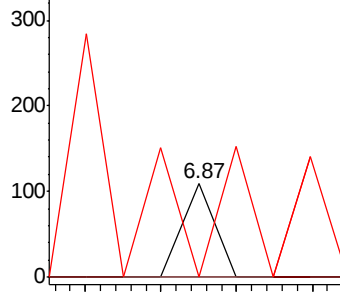
#48
Methvl methacrylate
Concen: 251.35 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Instrument :
MSVOA_F
ClientSampleId :
72-11930

Tot Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 70.6 106.0#

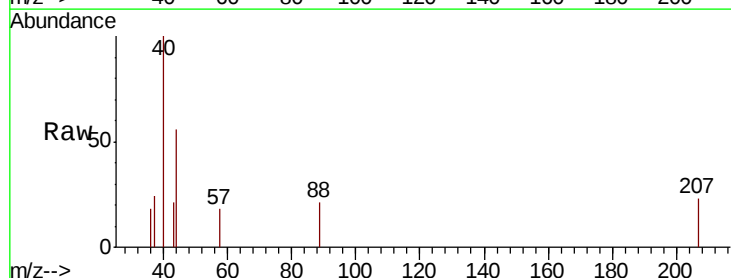


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

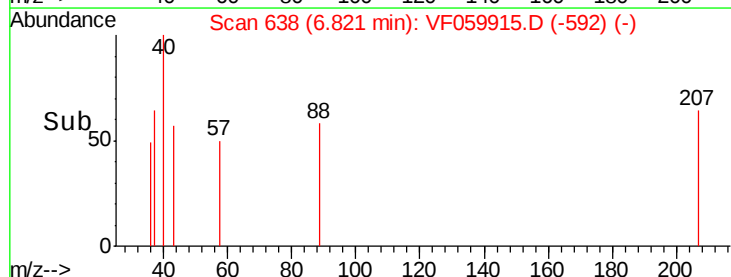
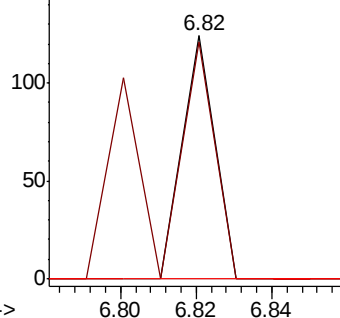


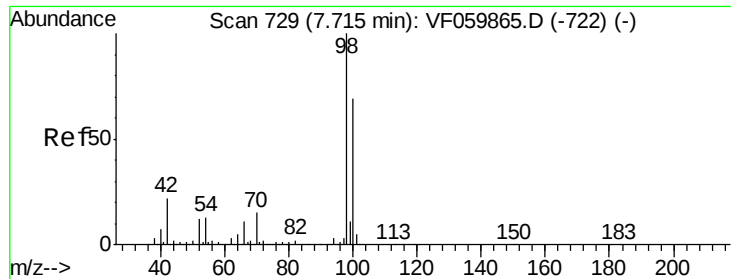
#49
1,4-Dioxane
Concen: 36777.34 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.05 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 97.6 58.3 87.5#
58 0.0 49.4 74.2#



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

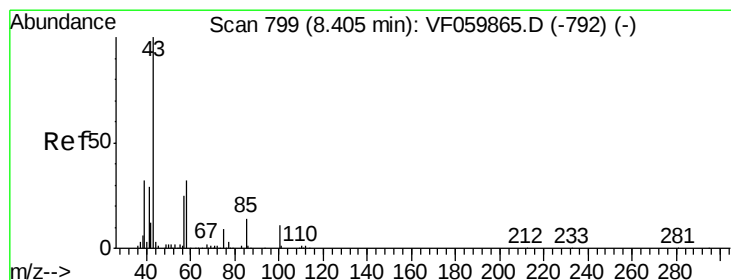
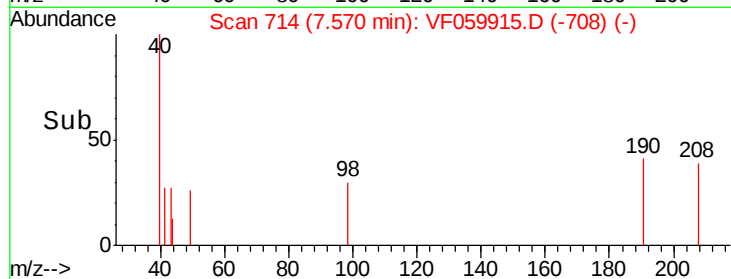
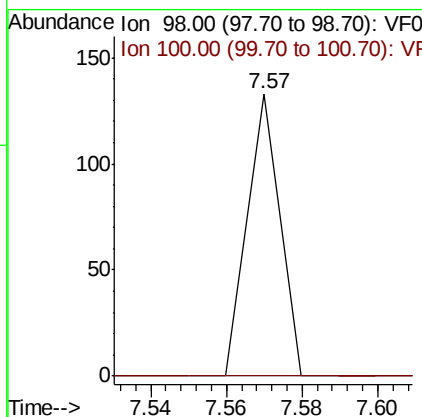
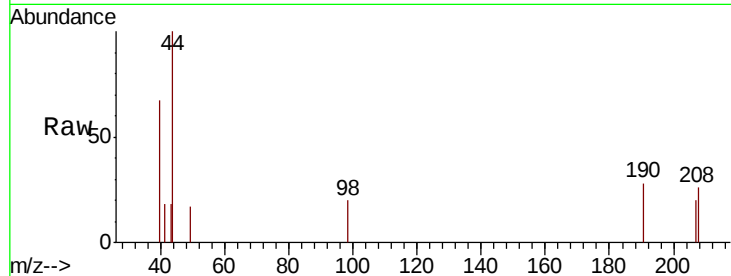




#50
Toluene-d8
Concen: 58.31 ug/l
RT: 7.57 min Scan# 714
Delta R.T. -0.15 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

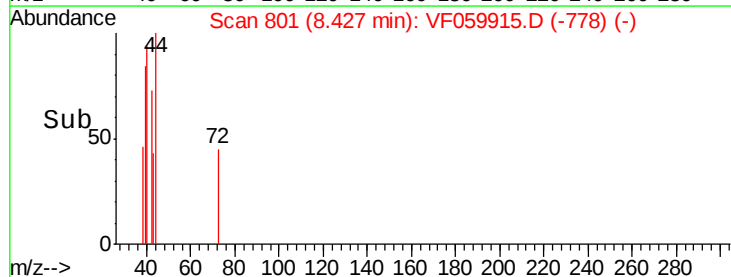
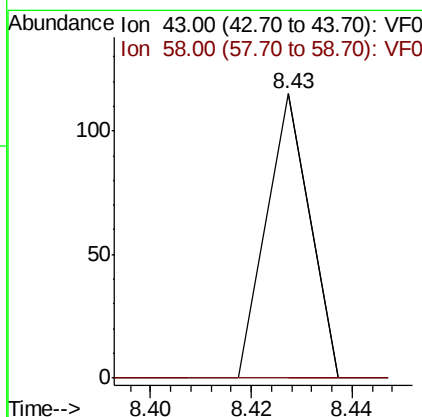
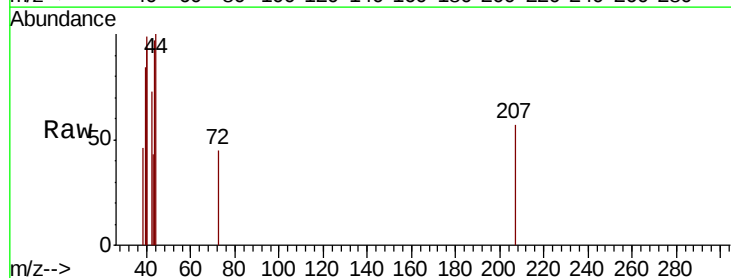
Instrument :
MSVOA_F
ClientSampleId :
72-11930

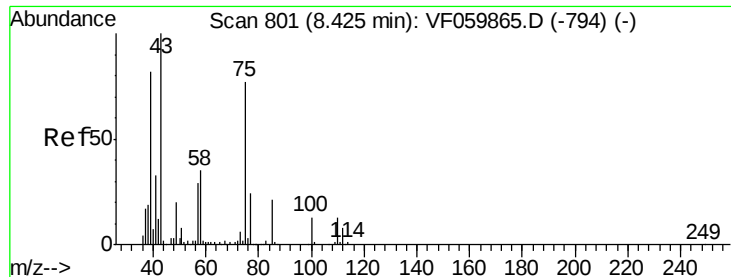
Tot Ion: 98 Resp: 79
Ion Ratio Lower Upper
98 100
100 0.0 55.0 82.6#



#51
4-Methyl-2-Pentanone
Concen: 203.21 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.02 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





#53

t-1,3-Dichloropropene

Concen: 234.17 ug/l

RT: 8.20 min Scan# 778

Delta R.T. -0.22 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

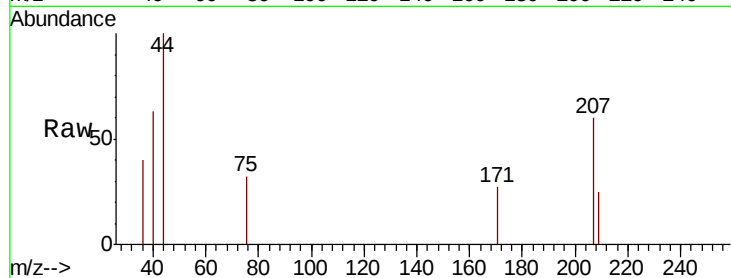
72-11930

Tot Ion: 75 Resp: 167

Ion Ratio Lower Upper

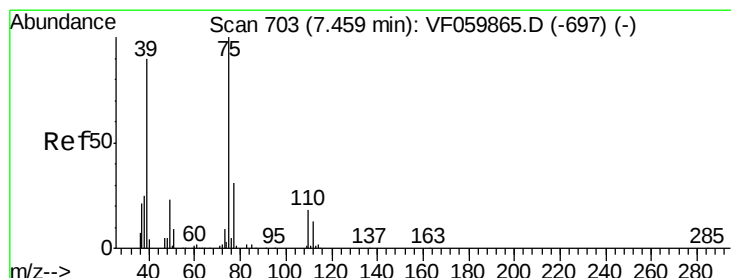
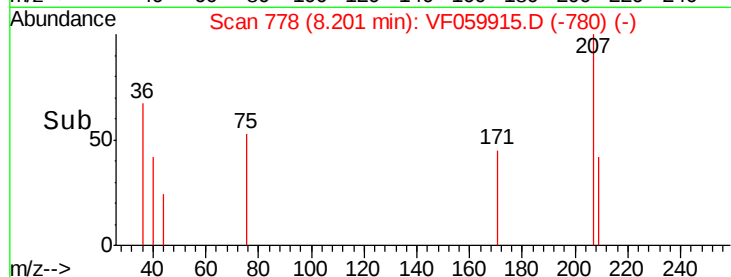
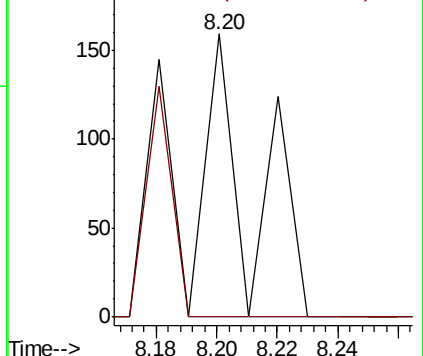
75 100

77 0.0 24.5 36.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 100.54 ug/l

RT: 7.33 min Scan# 690

Delta R.T. -0.13 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

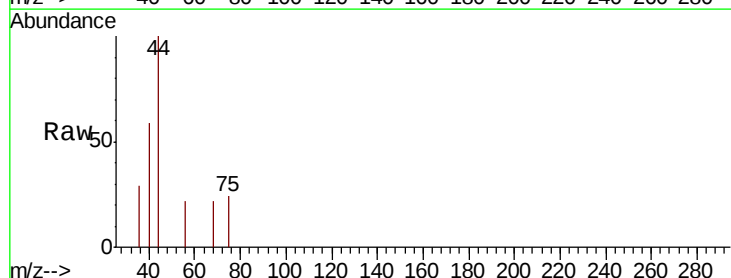
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

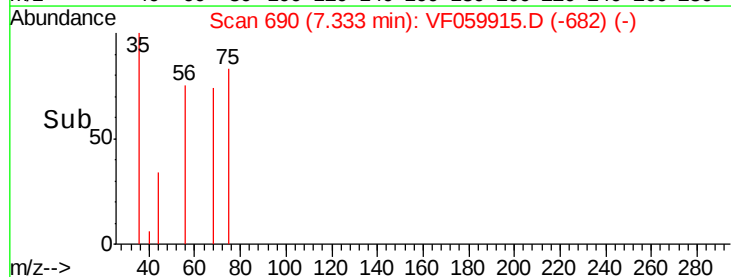
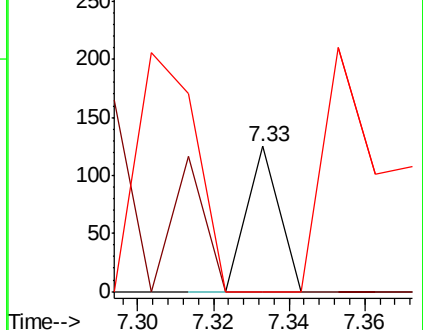
39 0.0 72.0 108.0#

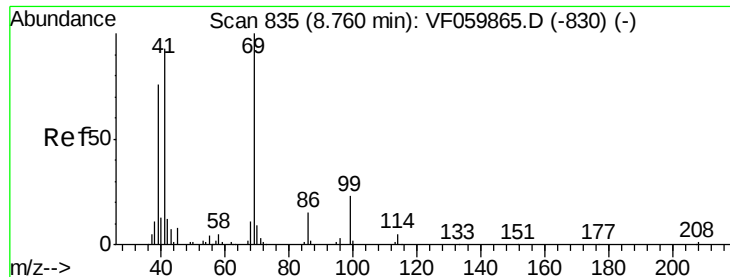


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#56

Ethyl methacrylate

Concen: 155.01 ug/l

RT: 8.68 min Scan# 827

Delta R.T. -0.08 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

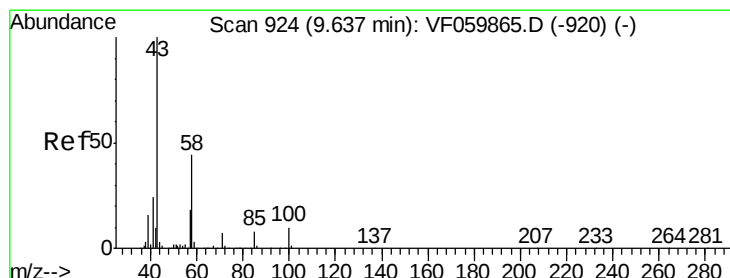
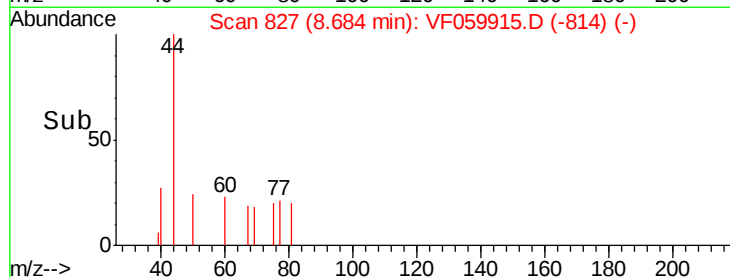
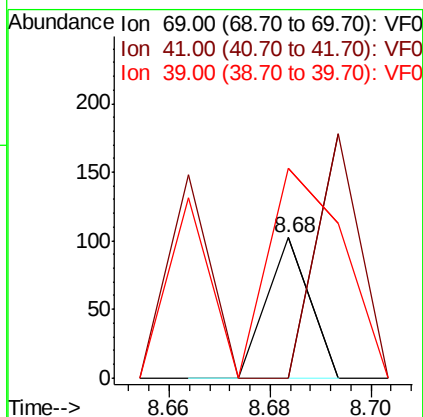
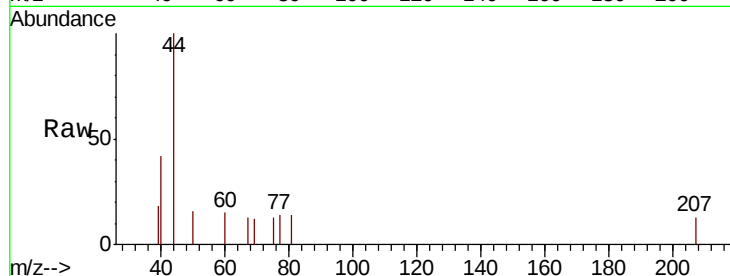
Tot Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 74.7 112.1#

39 150.0 61.1 91.7#



#59

2-Hexanone

Concen: 528.79 ug/l

RT: 9.55 min Scan# 915

Delta R.T. -0.09 min

Lab File: VF059915.D

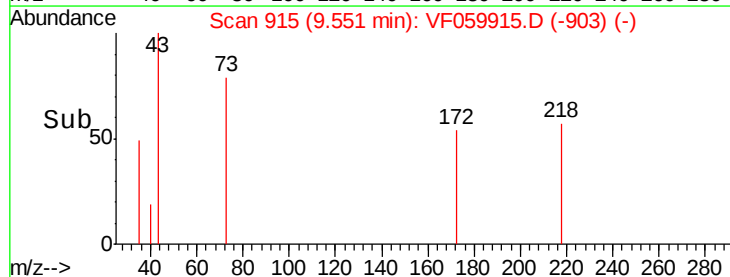
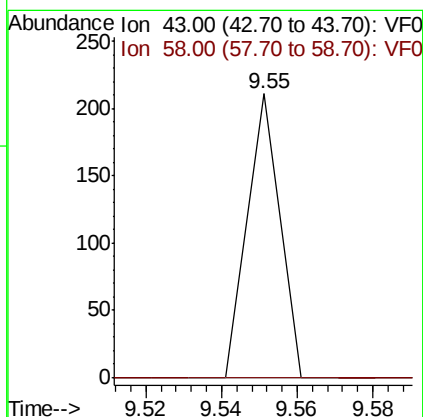
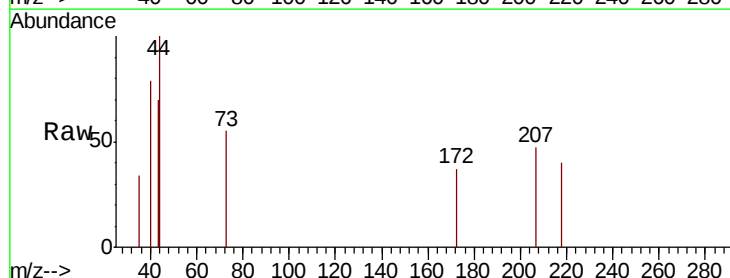
Acq: 7 Aug 2018 11:39

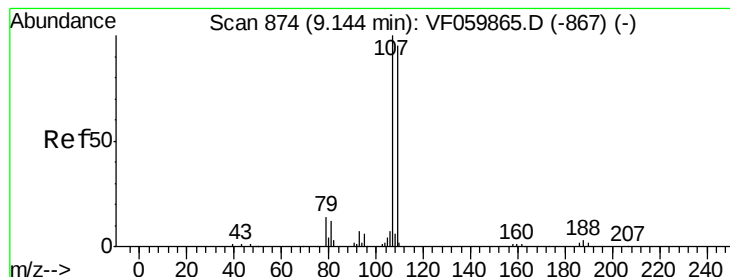
Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

58 0.0 20.8 62.2#





#61

1,2-Dibromoethane

Concen: 180.44 ug/l

RT: 8.94 min Scan# 853

Delta R.T. -0.20 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

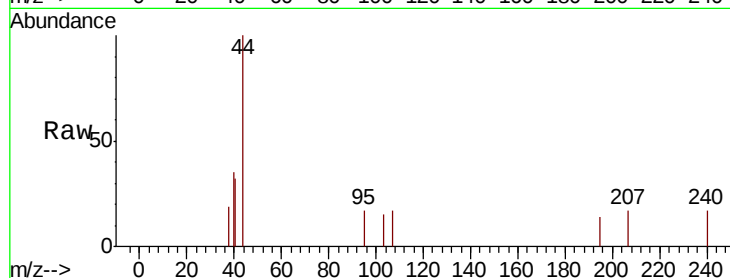
72-11930

Tot Ion:107 Resp: 74

Ion Ratio Lower Upper

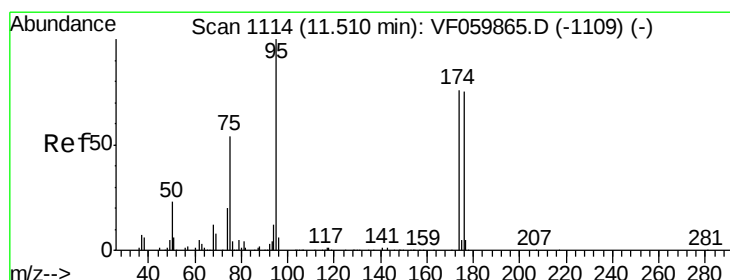
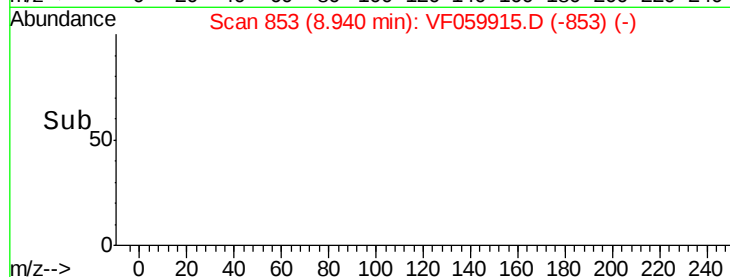
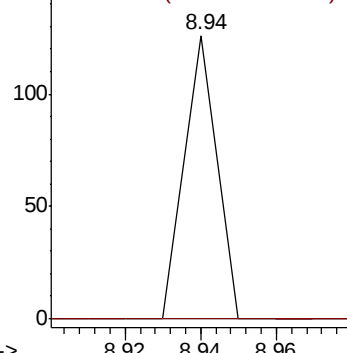
107 100

109 0.0 75.8 113.8#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 202.28 ug/l

RT: 11.41 min Scan# 1104

Delta R.T. -0.10 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

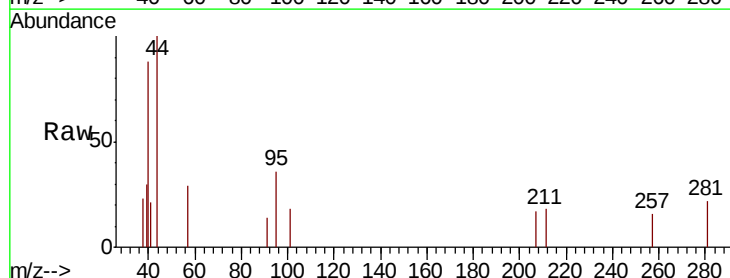
Tgt Ion: 95 Resp: 154

Ion Ratio Lower Upper

95 100

174 0.0 0.0 151.6

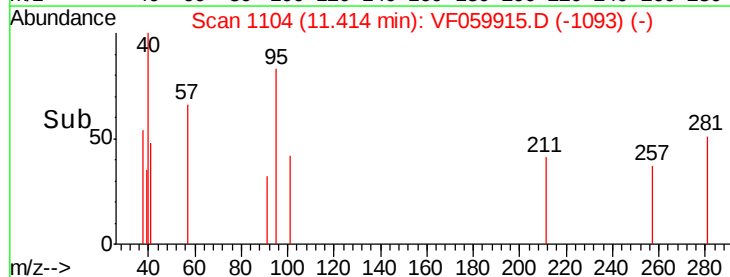
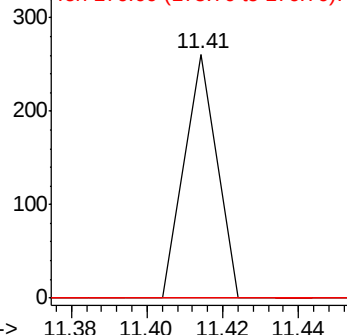
176 0.0 0.0 149.8

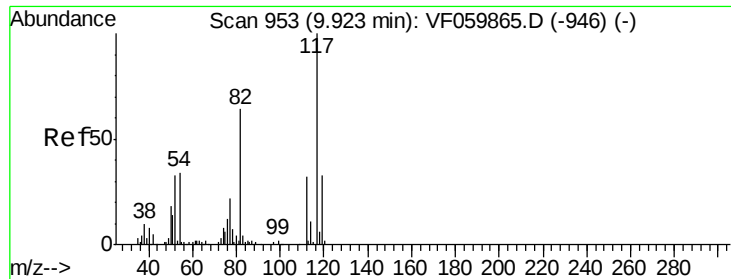


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

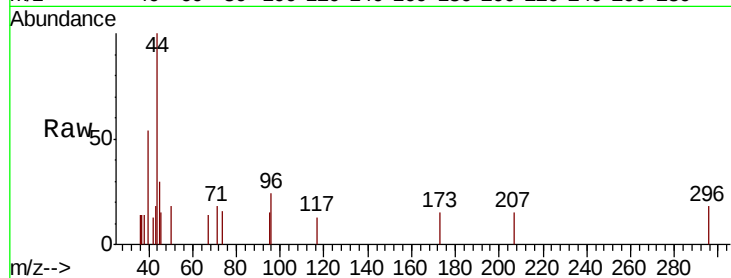




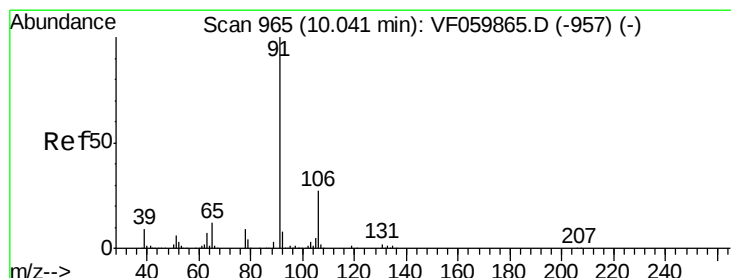
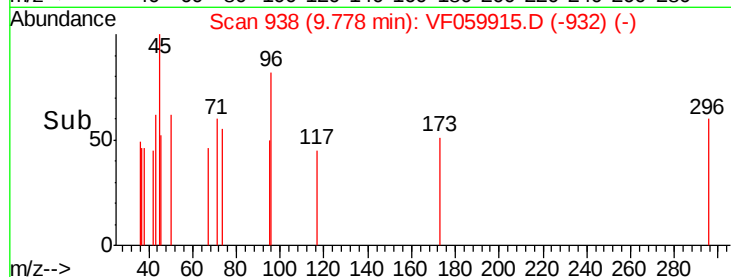
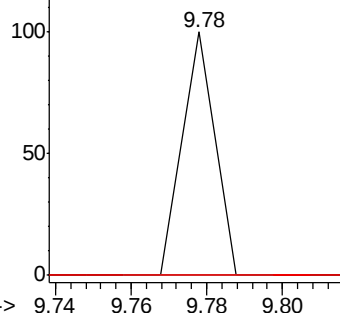
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 938
Delta R.T. -0.15 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Instrument :
MSVOA_F
ClientSampleId :
72-11930

Tot Ion:117 Resp: 59
Ion Ratio Lower Upper
117 100
82 0.0 51.3 76.9#
119 0.0 26.4 39.6#

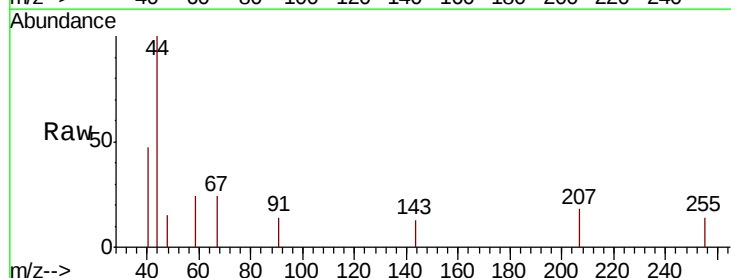


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

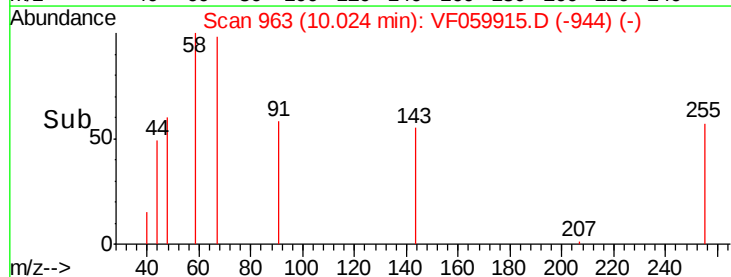
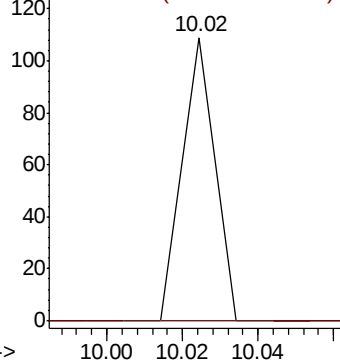


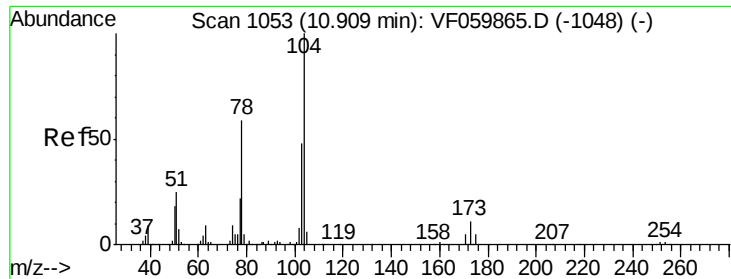
#67
Ethyl Benzene
Concen: 30.68 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion: 91 Resp: 64
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





#70

Stvrene

Concen: 121.04 ug/l

RT: 11.06 min Scan# 1068

Delta R.T. 0.15 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

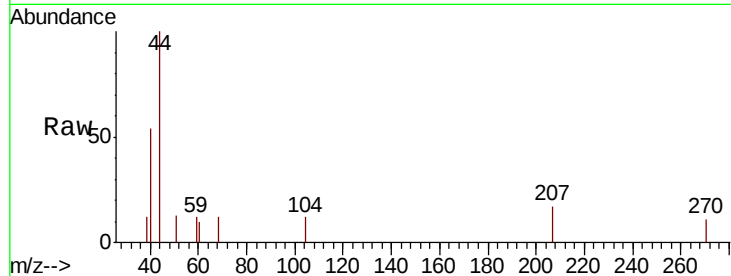
Tot Ion:104 Resp: 138

Ion Ratio Lower Upper

104 100

78 0.0 47.3 70.9#

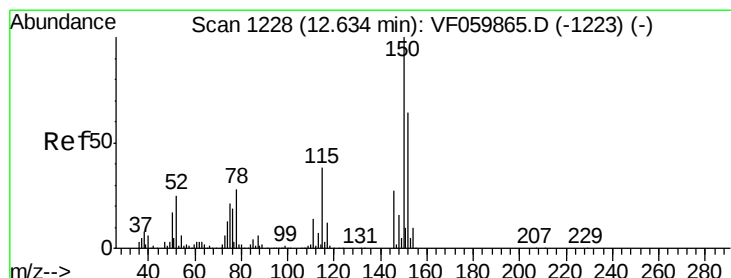
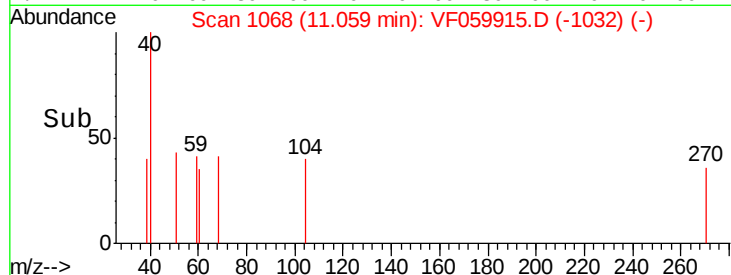
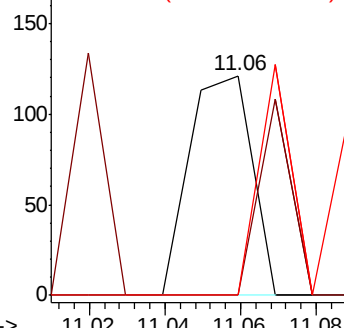
103 0.0 39.0 58.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.02 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

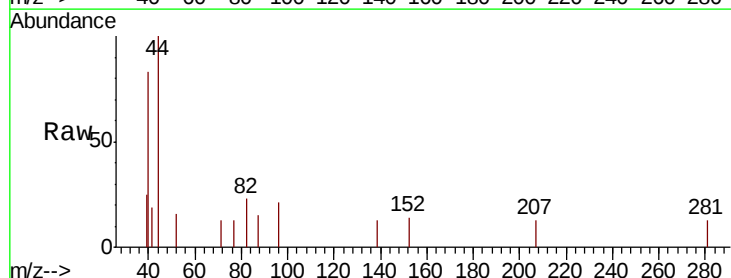
Tgt Ion:152 Resp: 70

Ion Ratio Lower Upper

152 100

115 0.0 29.8 89.4#

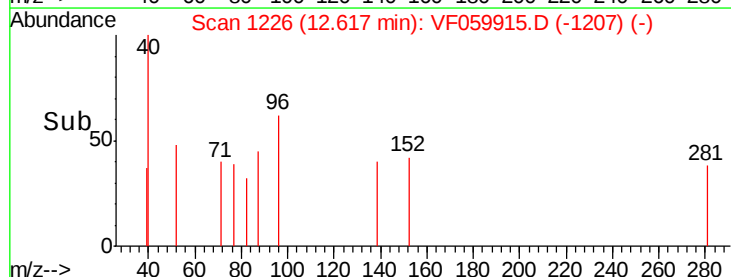
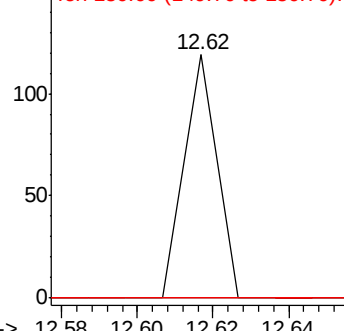
150 0.0 0.0 315.6

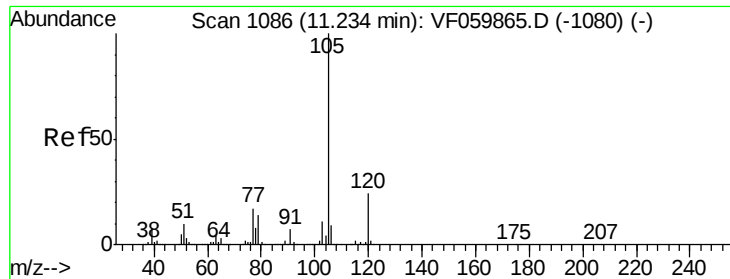


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 18.35 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampled :

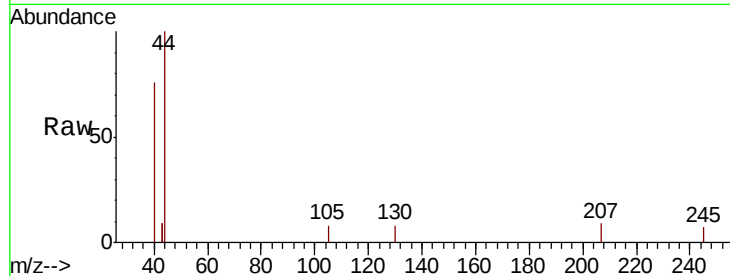
72-11930

Tot Ion: 105 Resp: 80

Ion Ratio Lower Upper

105 100

120 0.0 12.1 36.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

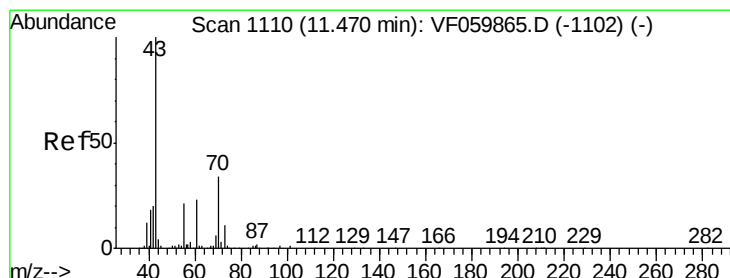
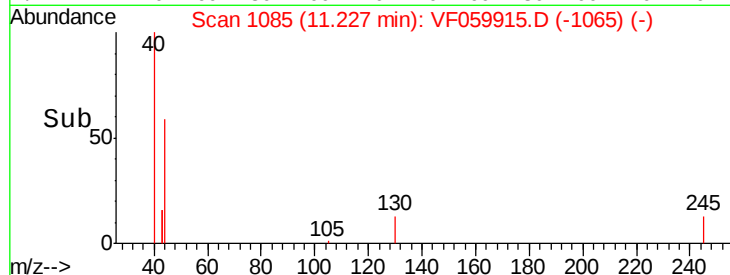
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 314.26 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Tgt Ion: 43 Resp: 357

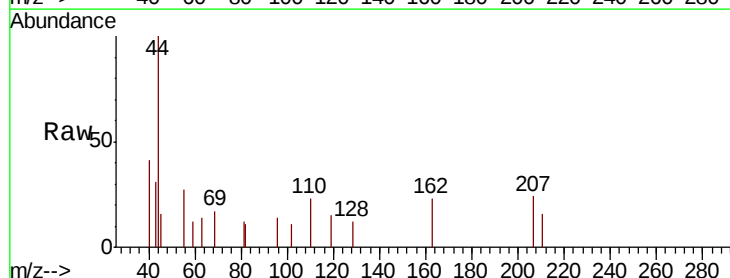
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 87.3 16.6 25.0#

61 0.0 18.2 27.4#



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

400

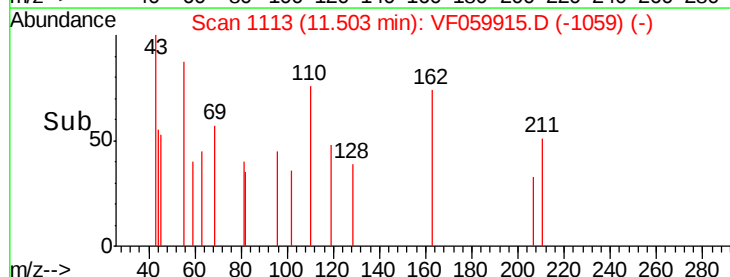
300

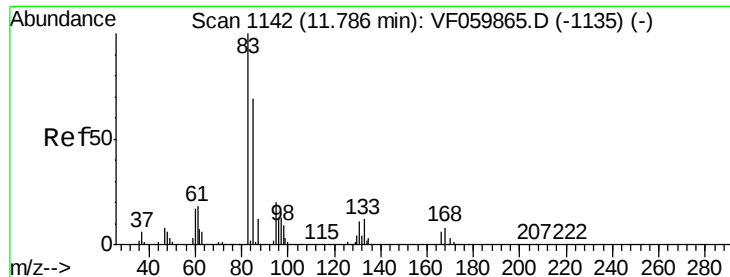
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 102.62 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

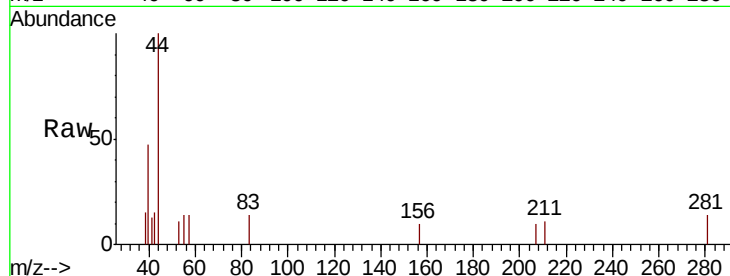
Tot Ion: 83 Resp: 84

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

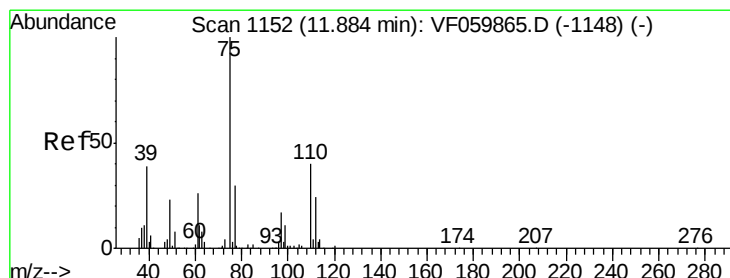
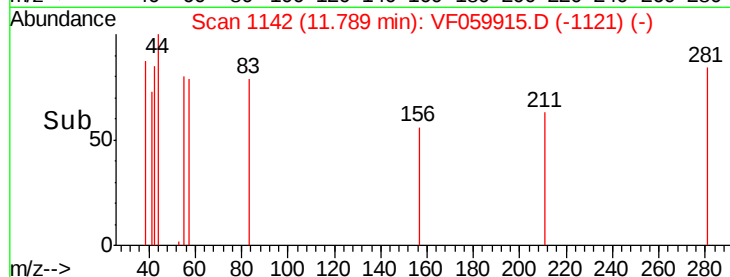
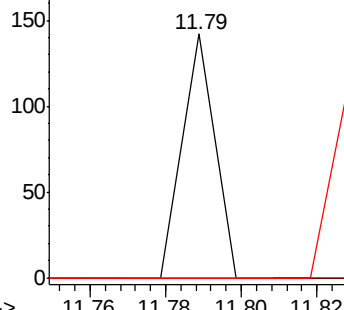
85 0.0 34.5 103.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 213.34 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059915.D

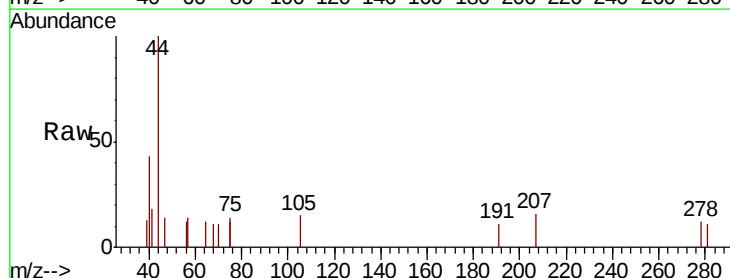
Acq: 7 Aug 2018 11:39

Tgt Ion: 75 Resp: 150

Ion Ratio Lower Upper

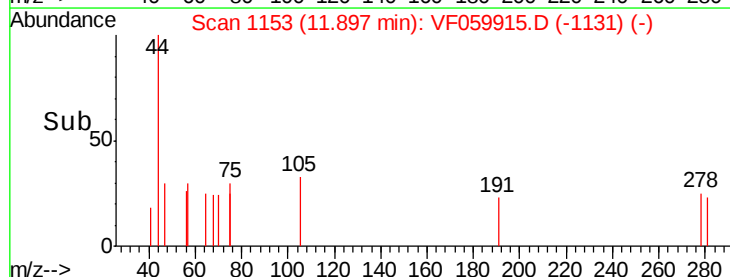
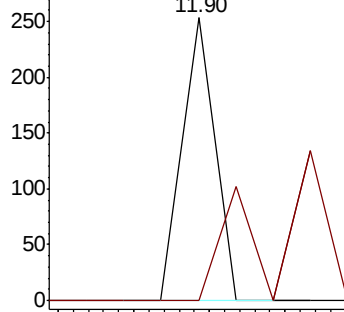
75 100

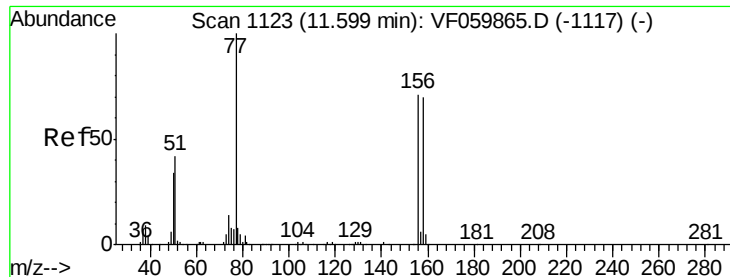
77 0.0 15.4 46.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.98 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.05 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

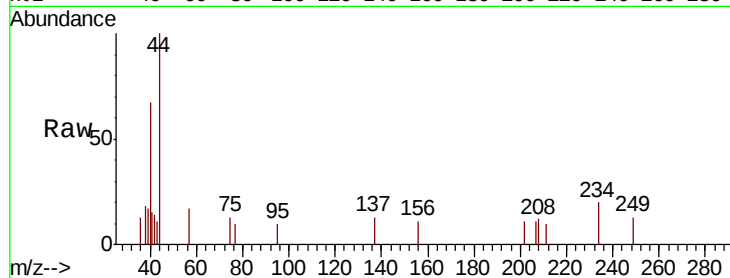
Tot Ion:156 Resp: 64

Ion Ratio Lower Upper

156 100

77 95.4 70.2 210.6

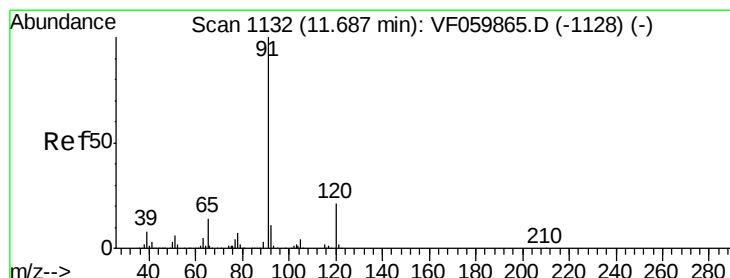
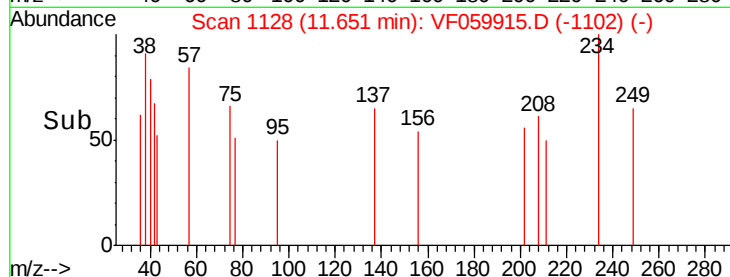
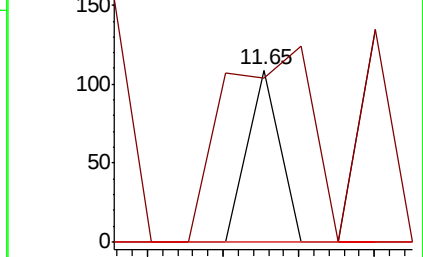
158 0.0 49.2 147.6#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.62 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059915.D

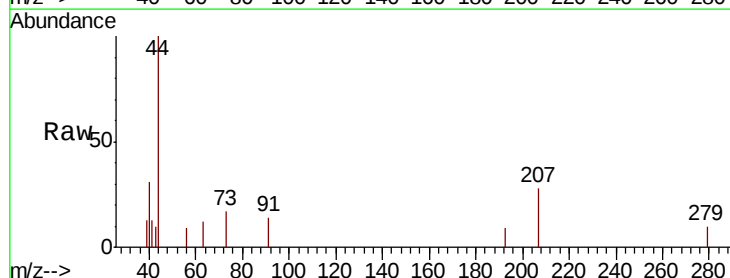
Acq: 7 Aug 2018 11:39

Tgt Ion: 91 Resp: 101

Ion Ratio Lower Upper

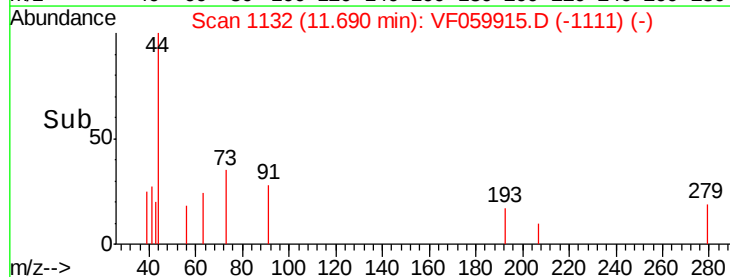
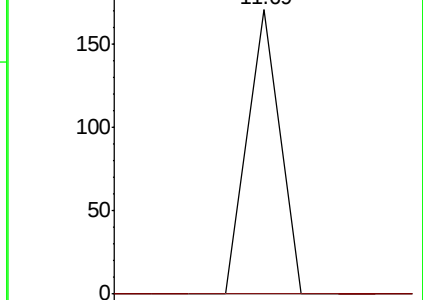
91 100

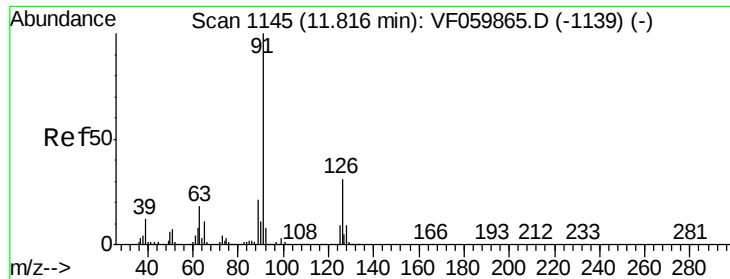
120 0.0 10.4 31.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 30.09 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

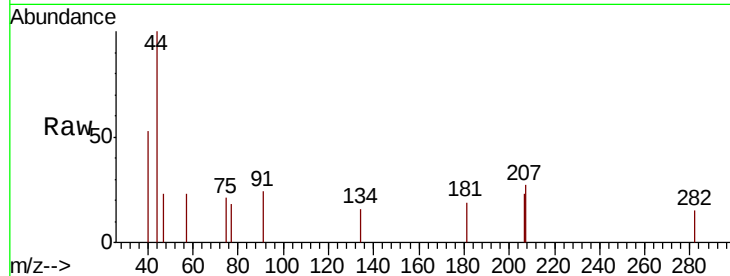
72-11930

Tot Ion: 91 Resp: 98

Ion Ratio Lower Upper

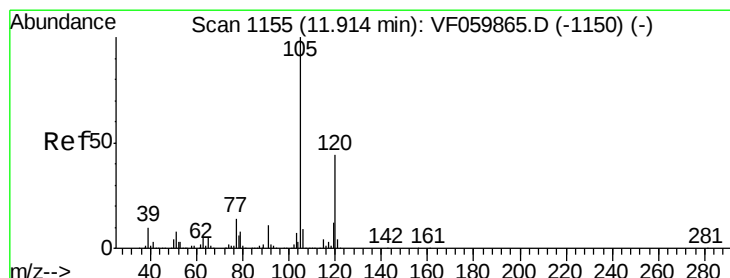
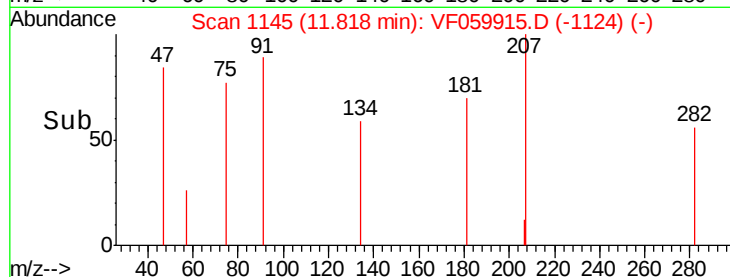
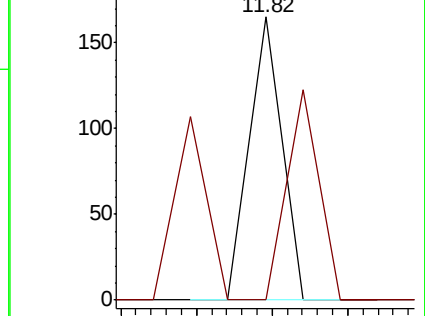
91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 60.27 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.03 min

Lab File: VF059915.D

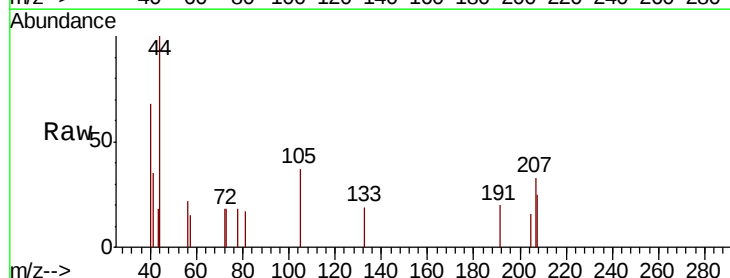
Acq: 7 Aug 2018 11:39

Tgt Ion:105 Resp: 244

Ion Ratio Lower Upper

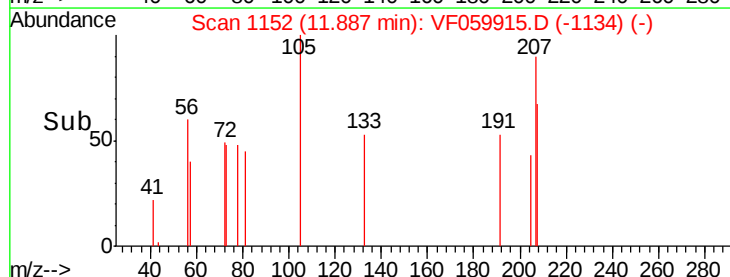
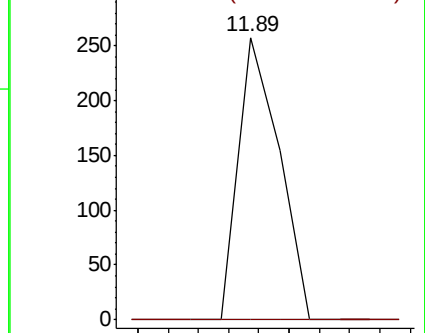
105 100

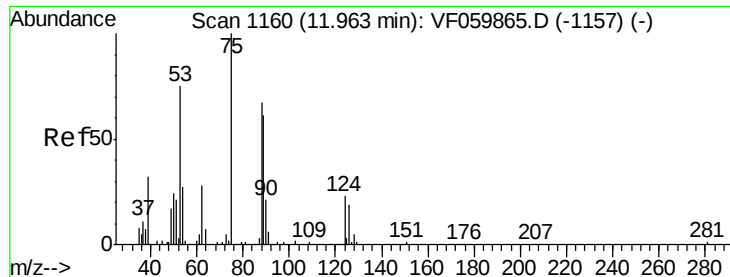
120 0.0 21.9 65.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 316.78 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.04 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampled :

72-11930

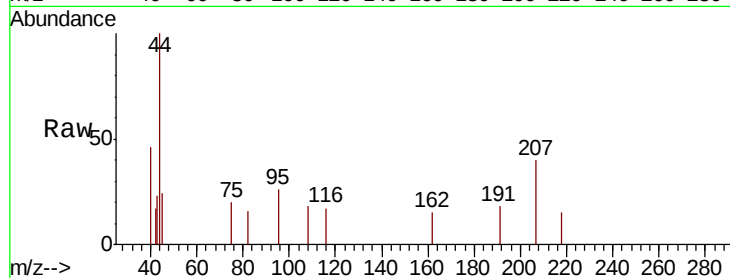
Tot Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

53 0.0 65.9 98.9#

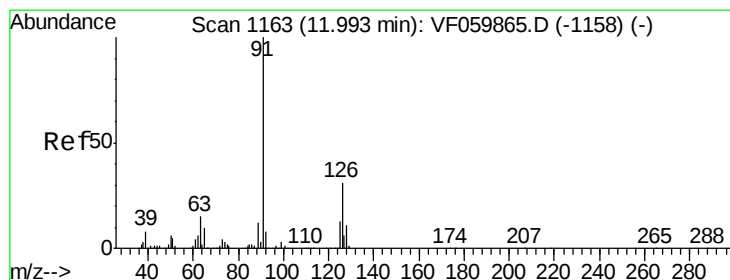
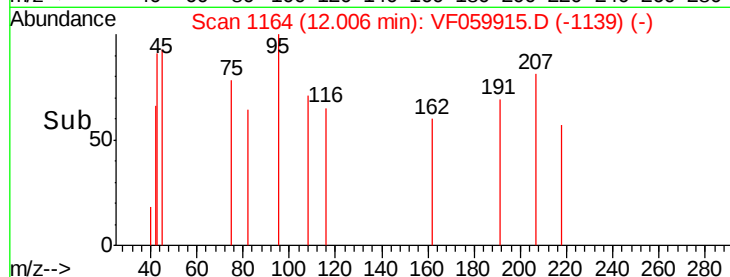
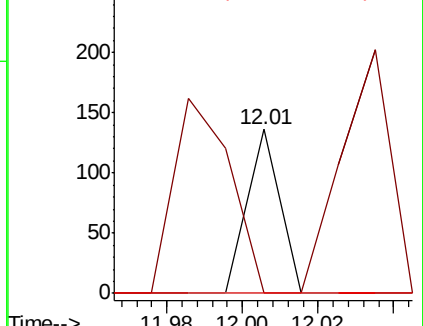
89 0.0 50.6 76.0#



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



#82

4-Chlorotoluene

Concen: 19.23 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059915.D

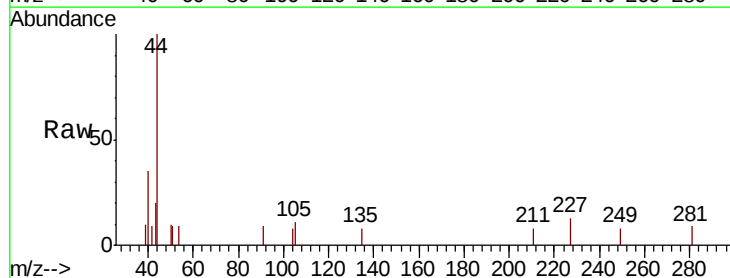
Acq: 7 Aug 2018 11:39

Tgt Ion: 91 Resp: 68

Ion Ratio Lower Upper

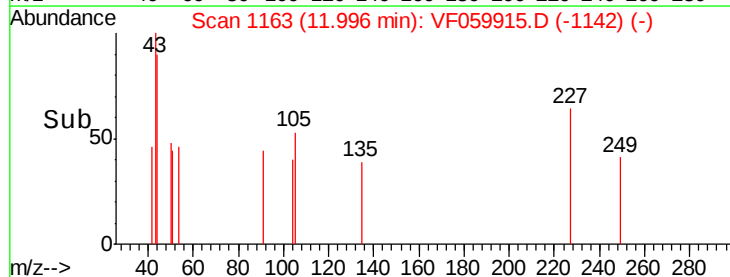
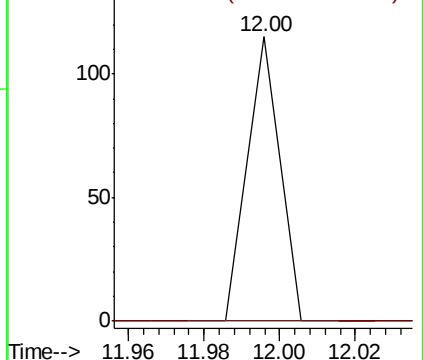
91 100

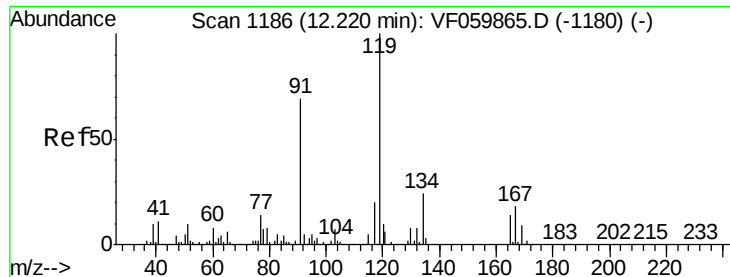
126 0.0 15.7 47.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 16.24 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.04 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

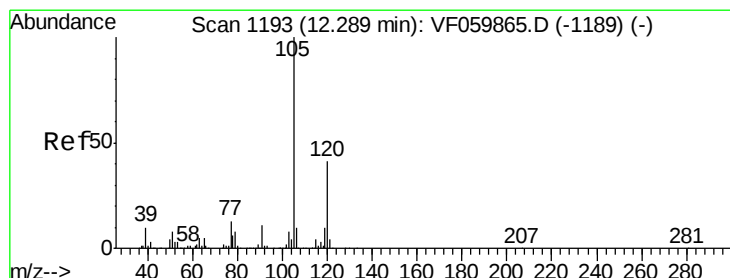
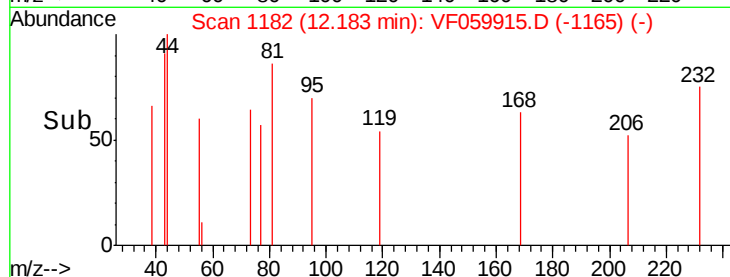
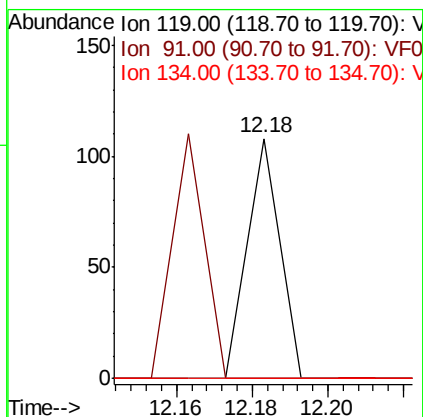
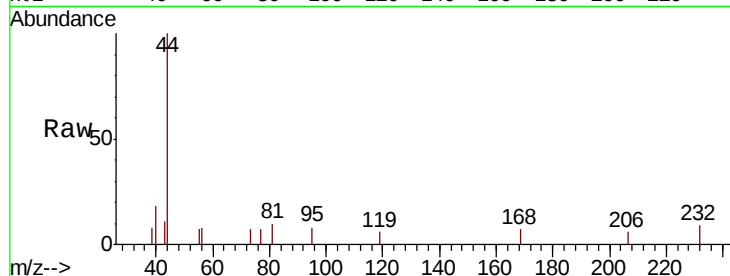
Instrument :

MSVOA_F

ClientSampleId :

72-11930

Tot Ion:	119	Resp:	64
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: 32.42 ug/l

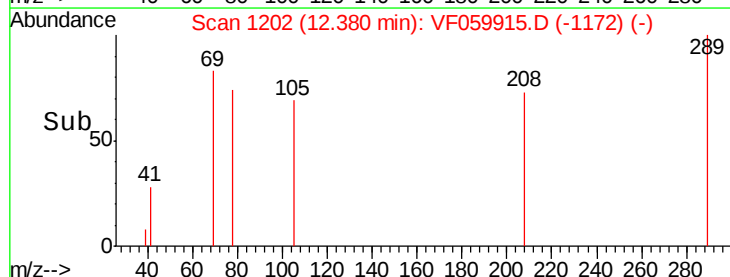
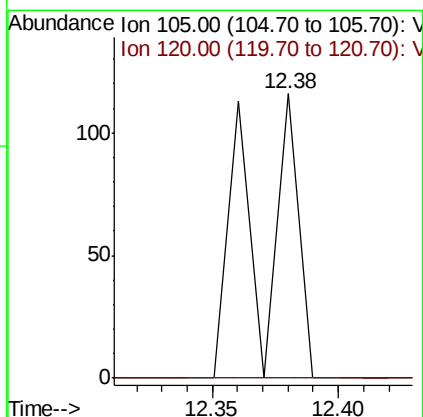
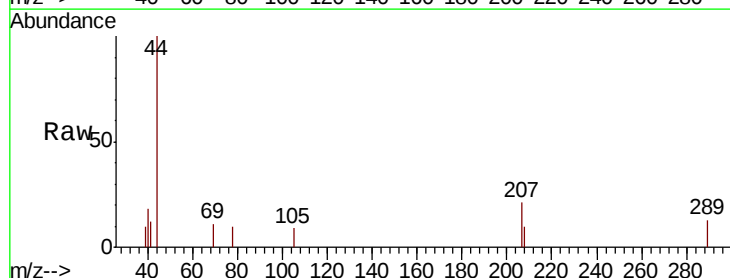
RT: 12.38 min Scan# 1202

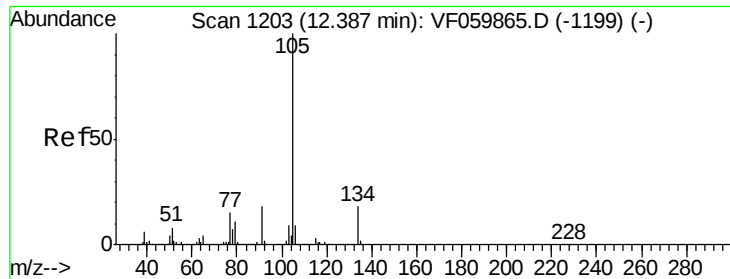
Delta R.T. 0.09 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Tgt Ion:	105	Resp:	135
Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.8	62.5#





#85

sec-Butylbenzene

Concen: 25.78 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampled :

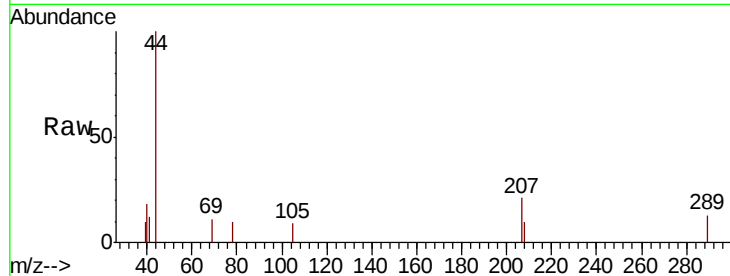
72-11930

Tot Ion:105 Resp: 135

Ion Ratio Lower Upper

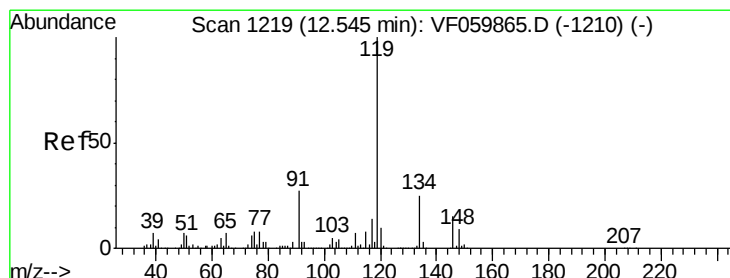
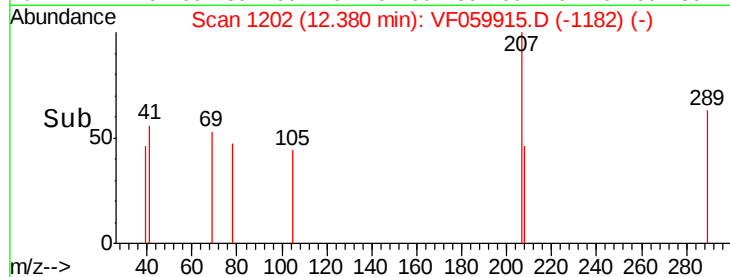
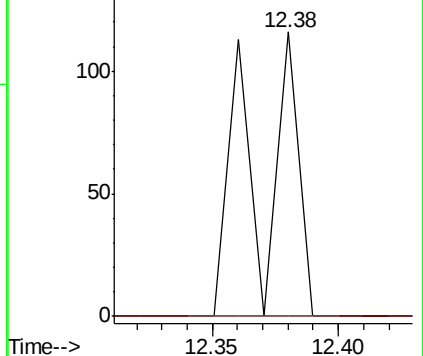
105 100

134 0.0 9.1 27.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 29.99 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.02 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

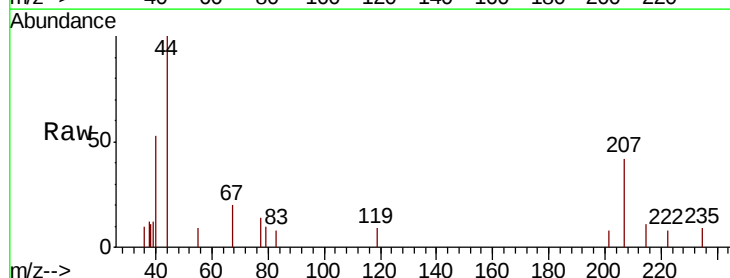
Tgt Ion:119 Resp: 132

Ion Ratio Lower Upper

119 100

134 0.0 12.4 37.0#

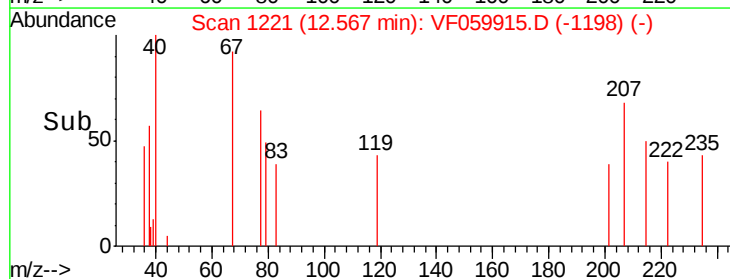
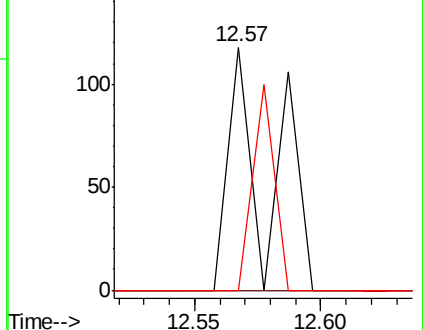
91 0.0 13.6 40.7#

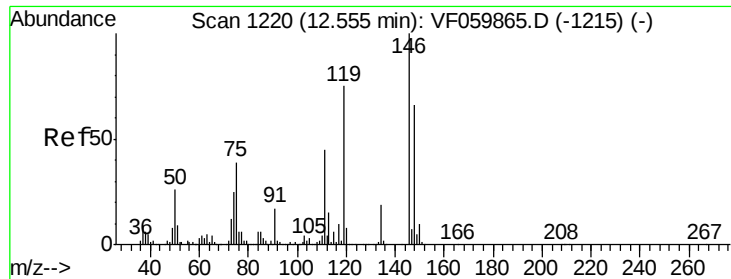


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 27.15 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.07 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

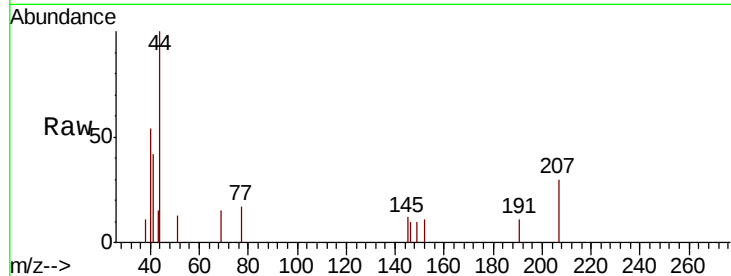
Tot Ion:146 Resp: 61

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

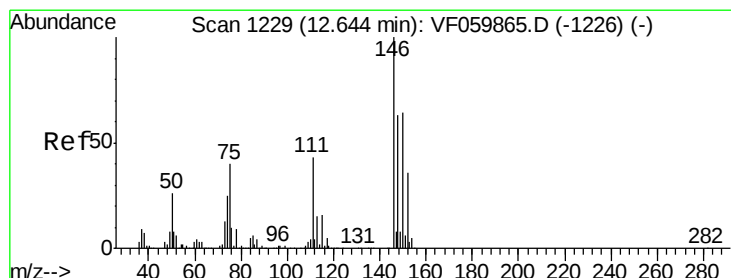
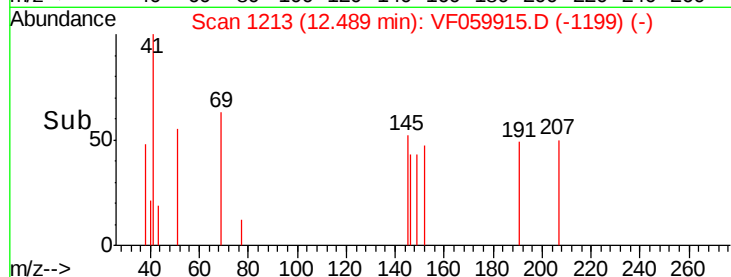
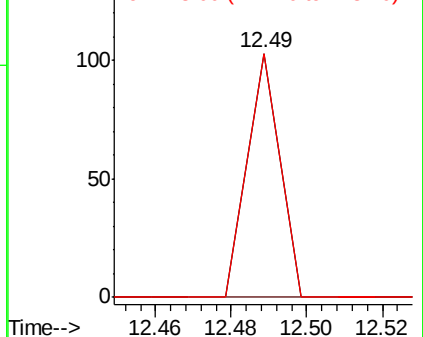
148 100.0 33.1 99.3#



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



#88

1,4-Dichlorobenzene

Concen: 39.90 ug/l

RT: 12.78 min Scan# 1243

Delta R.T. 0.14 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

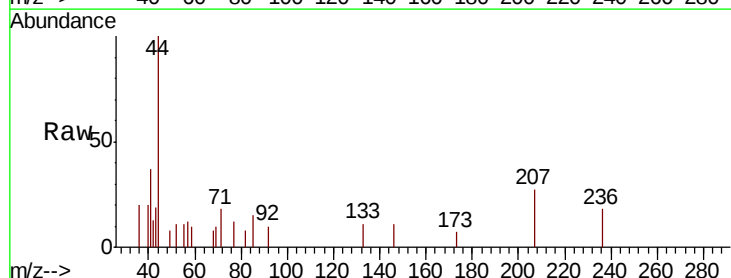
Tgt Ion:146 Resp: 88

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

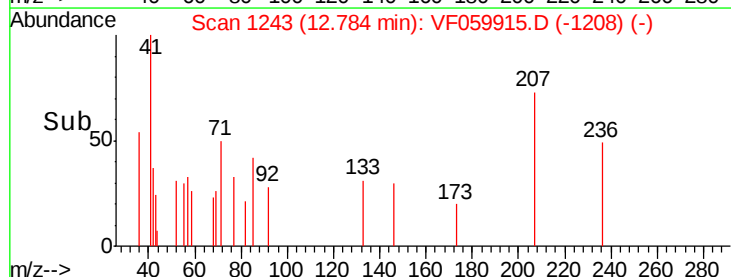
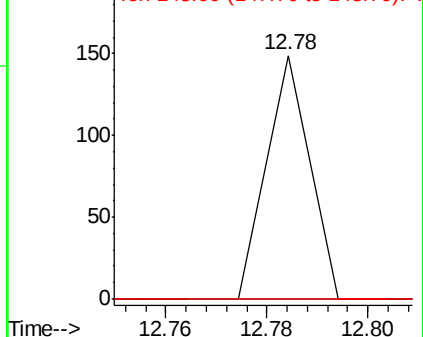
148 0.0 31.6 94.7#

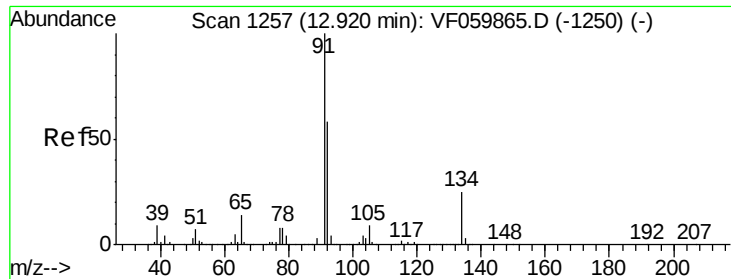


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

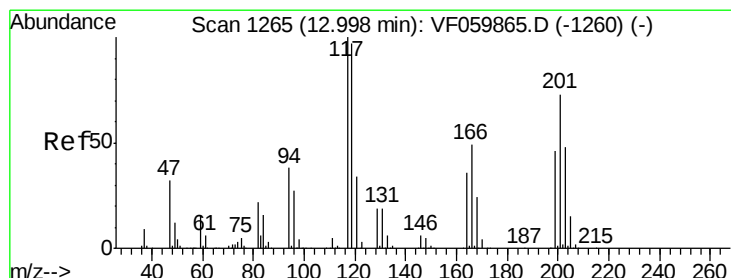
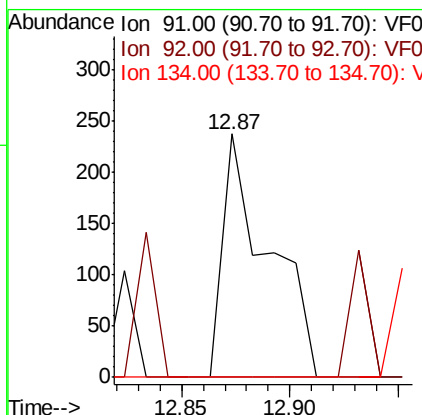
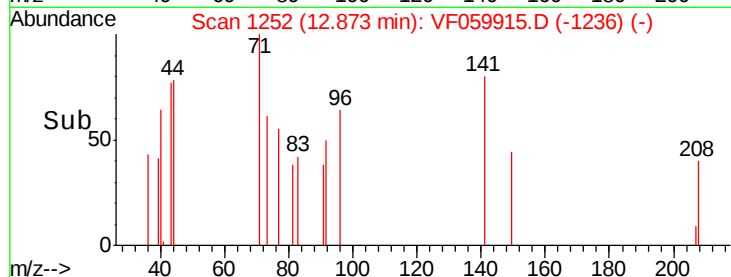
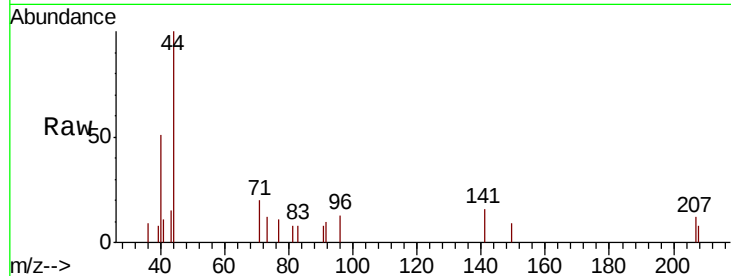




#89
n-Butylbenzene
Concen: 82.97 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. -0.05 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

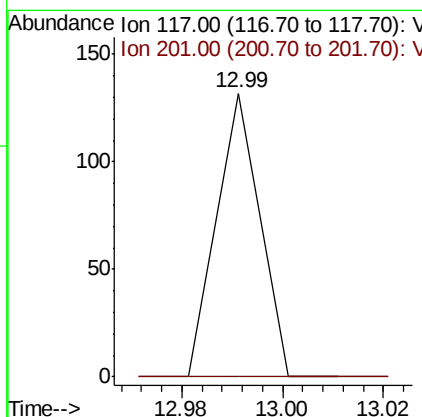
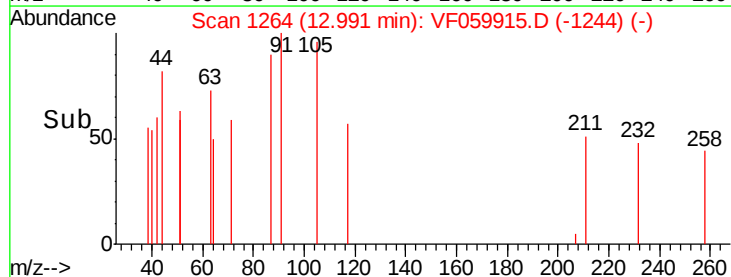
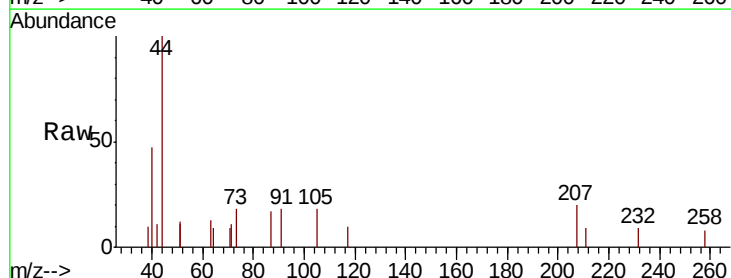
Instrument :
MSVOA_F
ClientSampleId :
72-11930

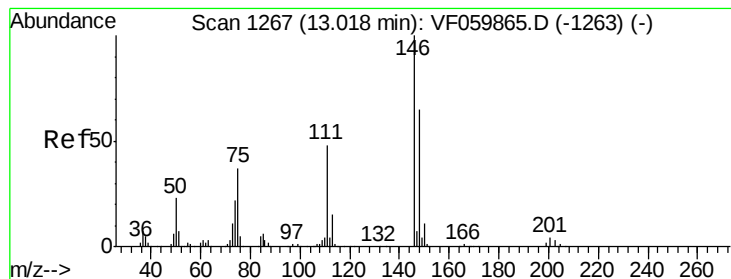
Tot Ion: 91 Resp: 348
Ion Ratio Lower Upper
91 100
92 0.0 28.8 86.5#
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 64.22 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059915.D
Acq: 7 Aug 2018 11:39

Tgt Ion: 117 Resp: 78
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.8#





#91

1,2-Dichlorobenzene

Concen: 45.79 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampled :

72-11930

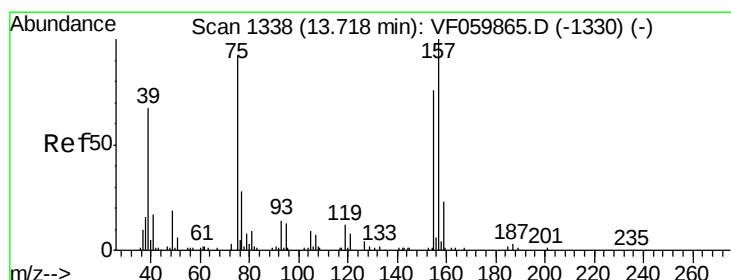
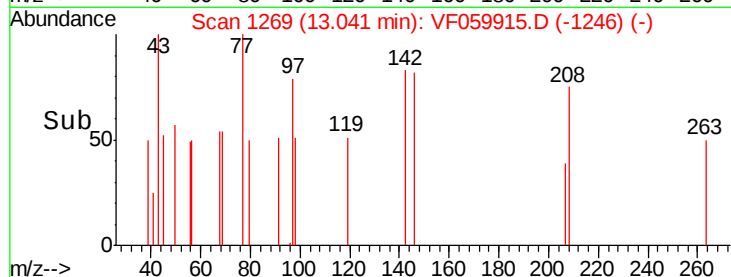
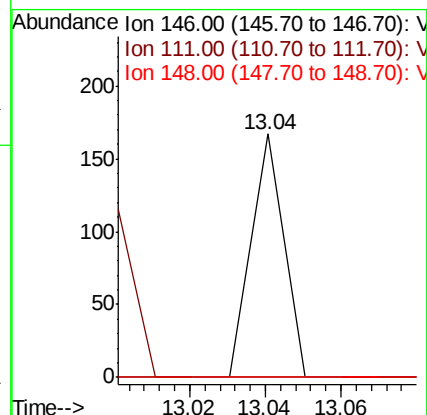
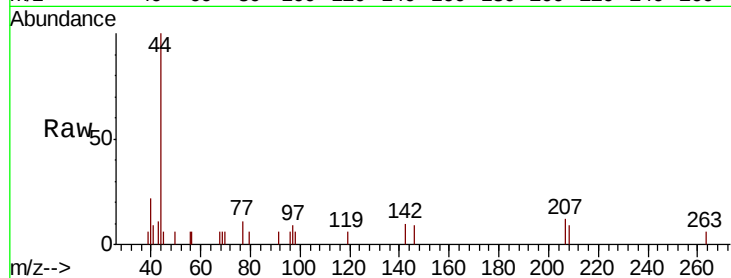
Tot Ion:146 Resp: 99

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

148 0.0 32.8 98.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 305.29 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

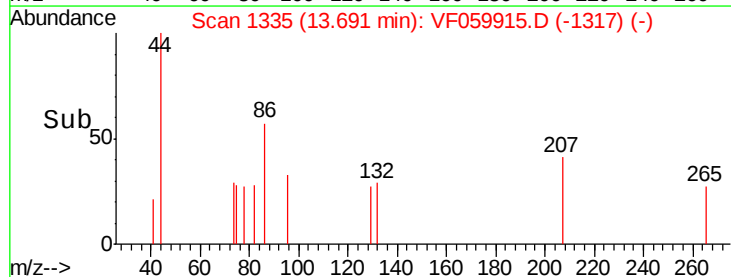
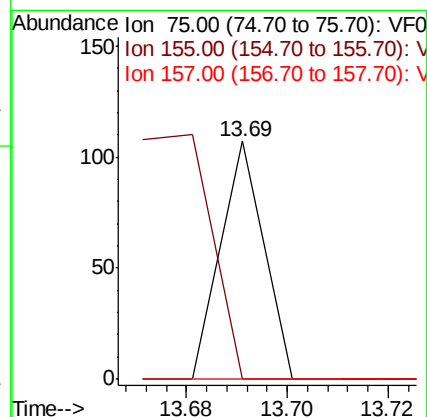
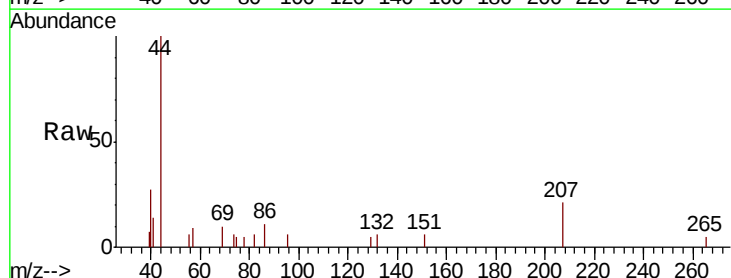
Tgt Ion: 75 Resp: 63

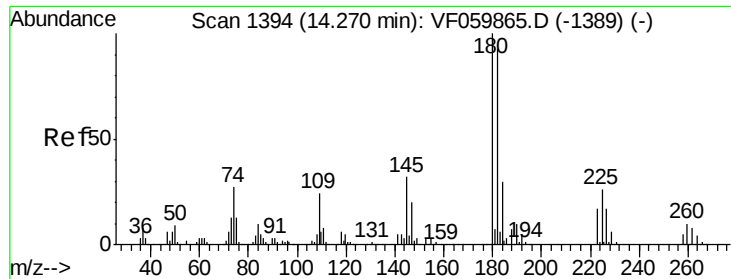
Ion Ratio Lower Upper

75 100

155 0.0 41.2 123.6#

157 0.0 54.5 163.6#

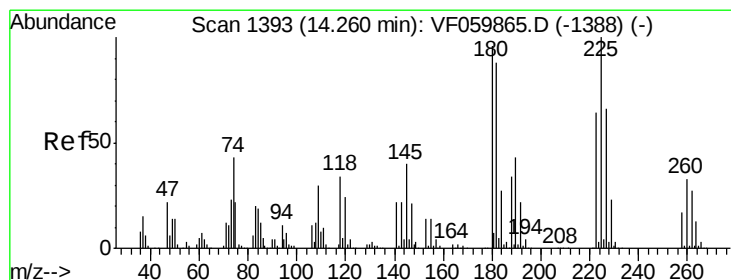
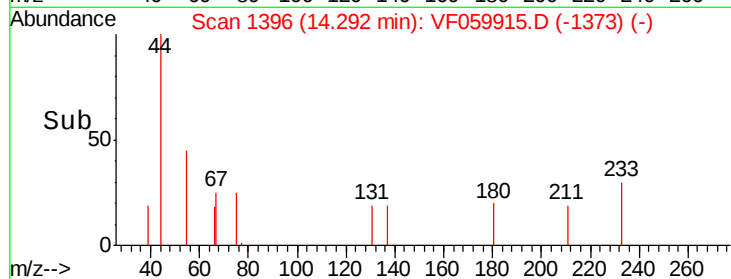
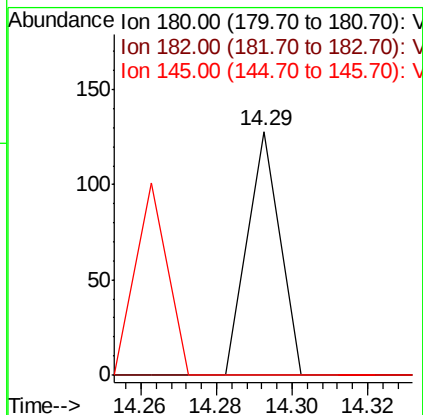
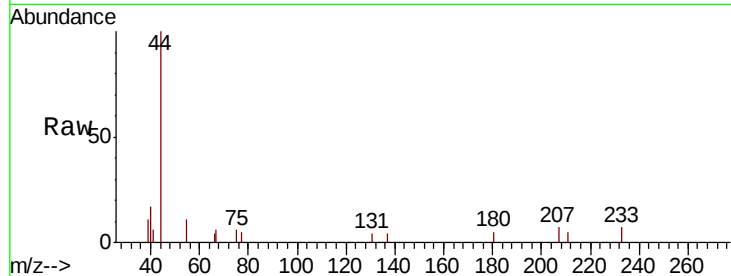




#93
 1,2,4-Trichlorobenzene
 Concen: 46.30 ug/l
 RT: 14.29 min Scan# 1396
 Delta R.T. 0.02 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

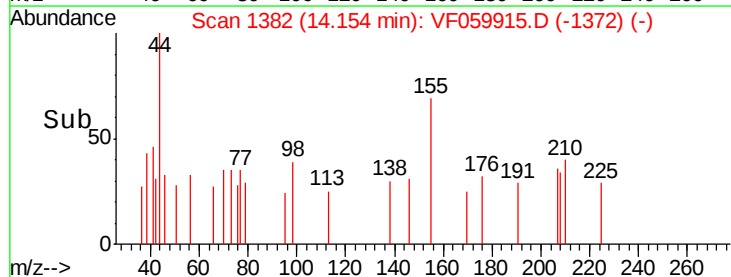
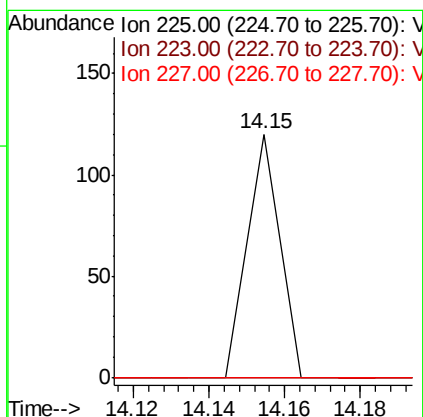
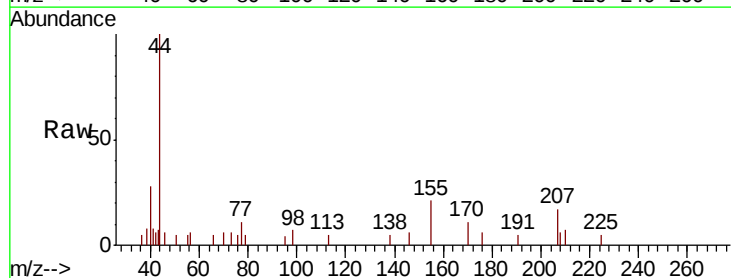
Instrument :
 MSVOA_F
 ClientSampleId :
 72-11930

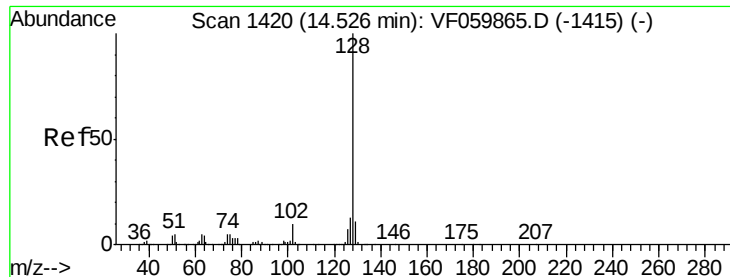
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.4	139.2#
145	0.0	15.9	47.7#



#94
 Hexachlorobutadiene
 Concen: 61.23 ug/l
 RT: 14.15 min Scan# 1382
 Delta R.T. -0.11 min
 Lab File: VF059915.D
 Acq: 7 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.9	95.9#
227	0.0	32.8	98.4#





#95

Naphthalene

Concen: 56.30 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.02 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

Instrument :

MSVOA_F

ClientSampleId :

72-11930

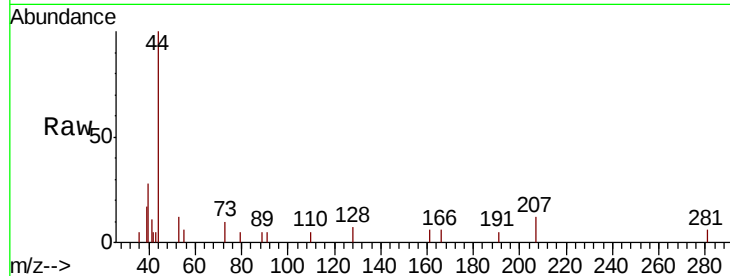
Tot Ion:128 Resp: 160

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

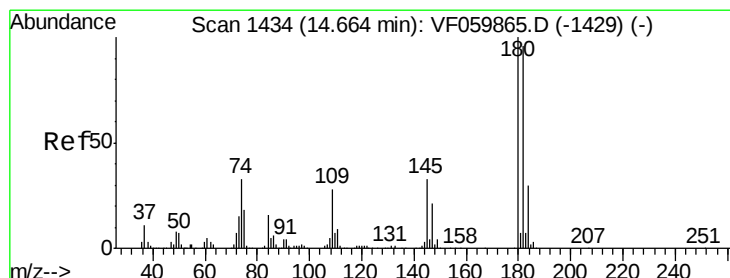
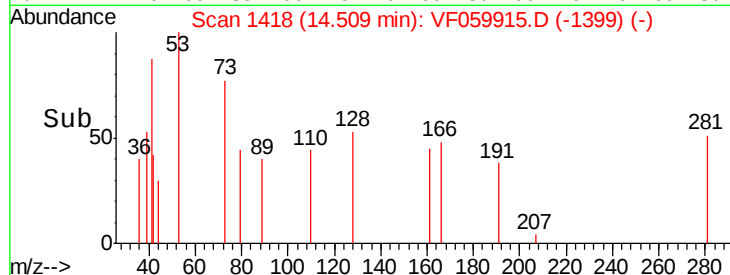
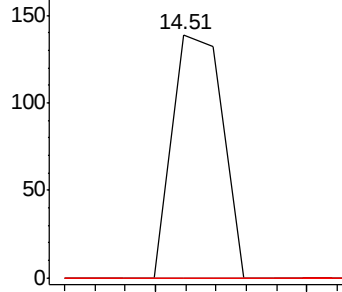
129 0.0 9.0 13.6#



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



#96

1,2,3-Trichlorobenzene

Concen: 84.52 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.14 min

Lab File: VF059915.D

Acq: 7 Aug 2018 11:39

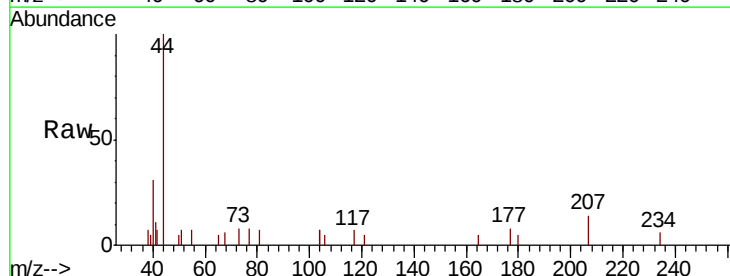
Tgt Ion:180 Resp: 137

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 0.0 16.6 49.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

