

Data File : VW008462.D
Acq On : 30 Jan 2019 13:38
Operator : SY/VA
Sample : K1282-01
Misc : 5.21G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Quant Time: Jan 31 00:25:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	131840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	182416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	30485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58435	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	7.88	113	59741	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.32	98	200814	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.62	95	44544	27.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.18%	

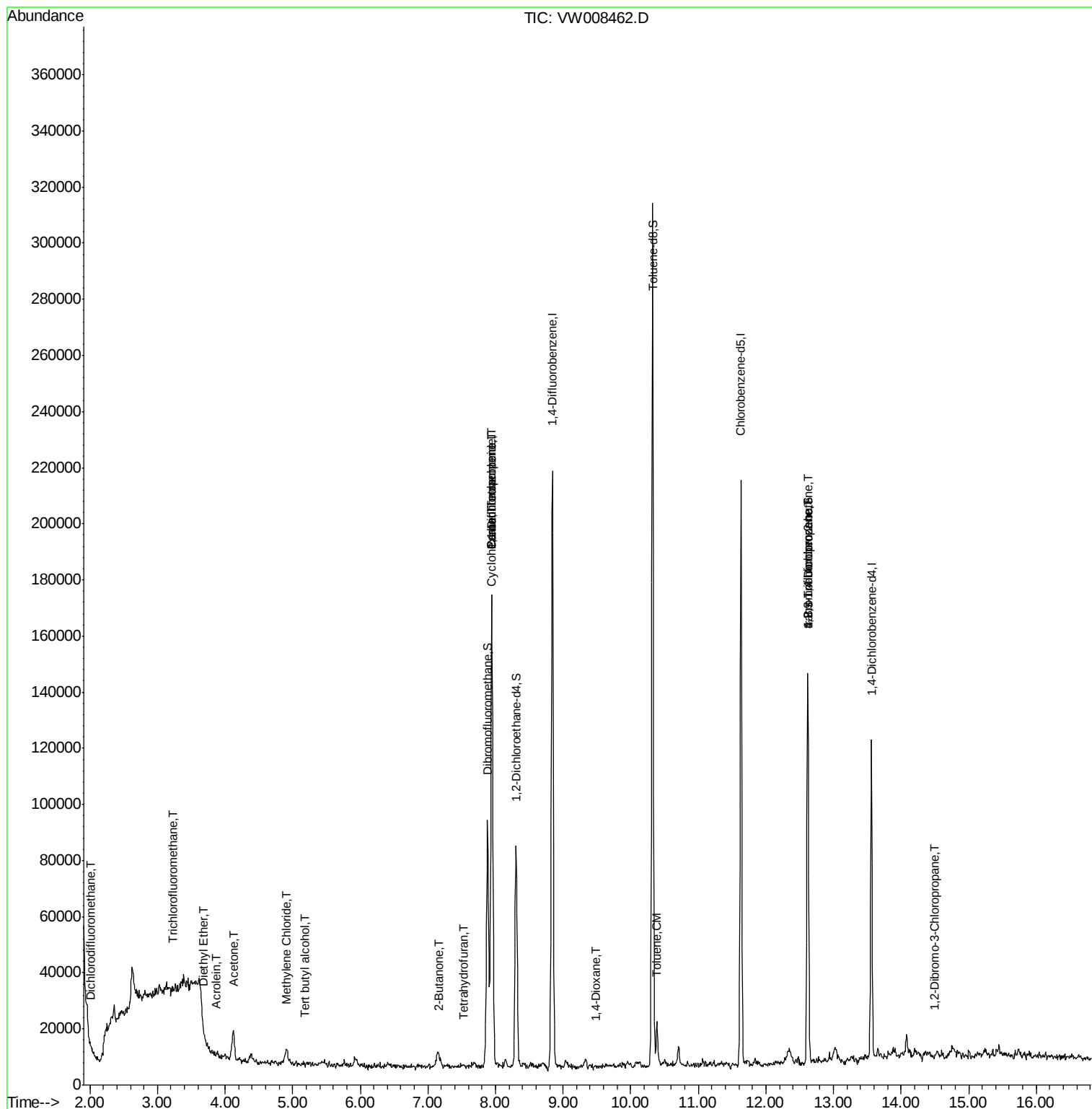
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	236	3.542	ug/l #	41
7) Trichlorofluoromethane	3.24	101	95	4.797	ug/l #	17
8) Diethyl Ether	3.68	74	981	1.492	ug/l	74
11) Tert butyl alcohol	5.18	59	773	7.413	ug/l #	76
13) Acrolein	3.87	56	42	4.634	ug/l #	14
16) Acetone	4.12	43	19546	67.201	ug/l #	88
20) Methylene Chloride	4.91	84	3393	2.531	ug/l #	75
25) 2-Butanone	7.17	43	2260	5.594	ug/l	91
29) Tetrahydrofuran	7.52	42	729	2.848	ug/l #	80
31) Cyclohexane	7.93	56	3699	1.455	ug/l #	43
36) 1,1-Dichloropropene	7.94	75	9848	5.715	ug/l #	53
38) Carbon Tetrachloride	7.95	117	12594	7.263	ug/l #	17
49) 1,4-Dioxane	9.49	88	28	2.701	ug/l #	1
52) Toluene	10.39	92	6666	2.112	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	21149	79.794	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21149	157.599	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.50	75	167	2.446	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

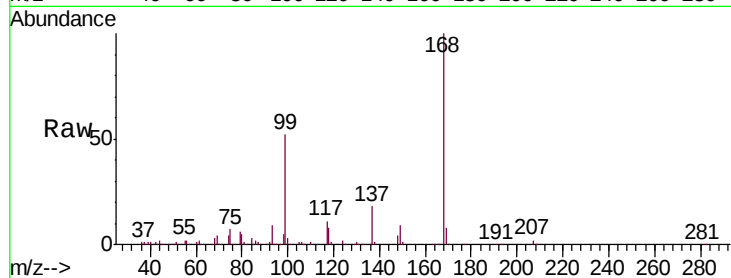
TP-1

Tgt Ion:168 Resp: 131840

Ion Ratio Lower Upper

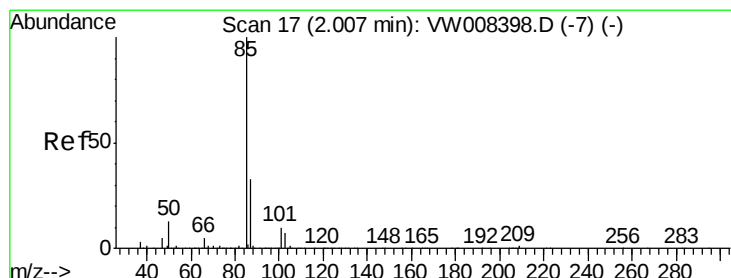
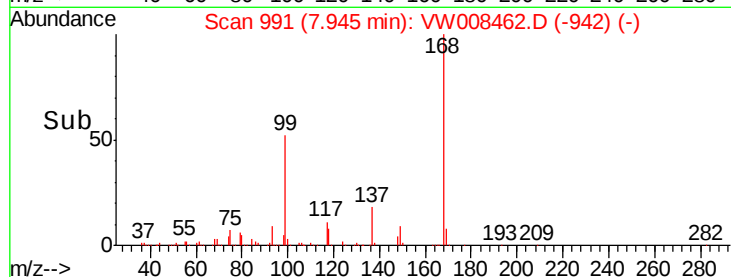
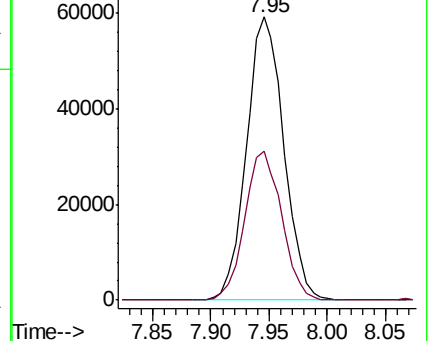
168 100

99 52.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.542 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008462.D

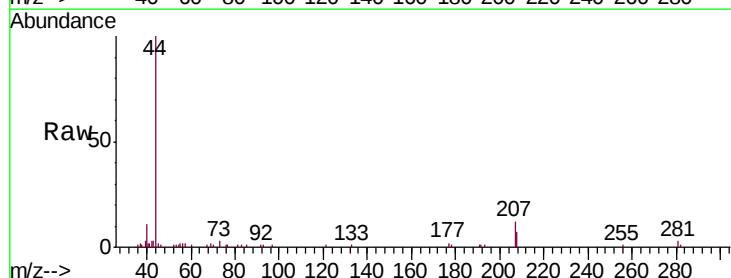
Acq: 30 Jan 2019 13:38

Tgt Ion: 85 Resp: 236

Ion Ratio Lower Upper

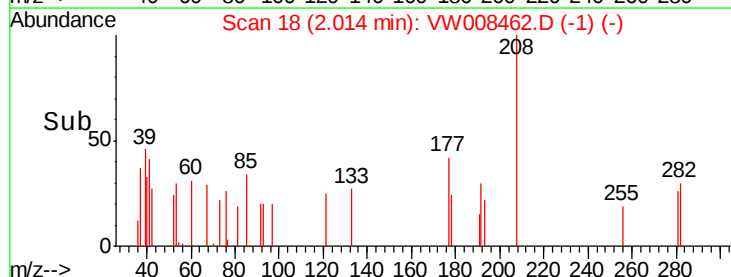
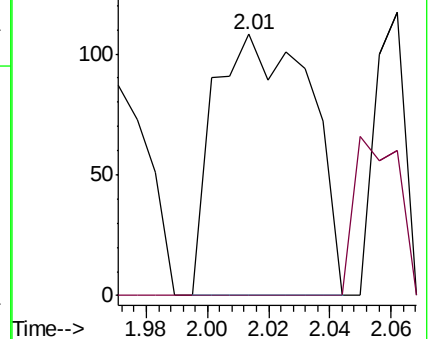
85 100

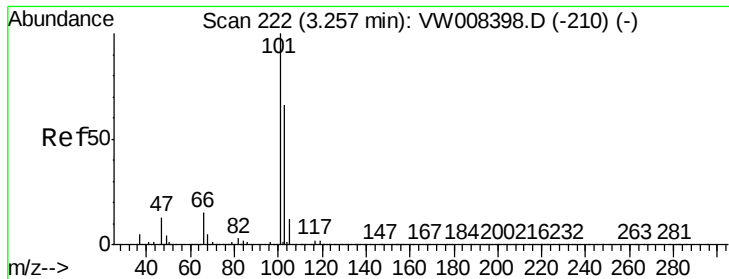
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



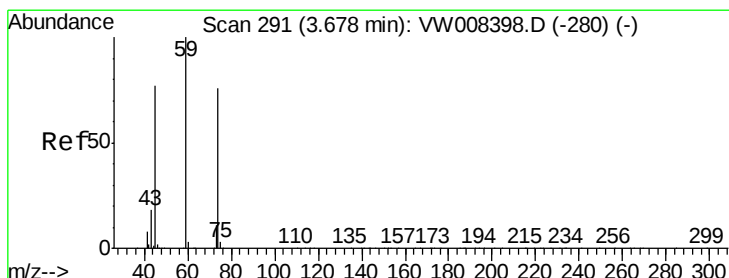
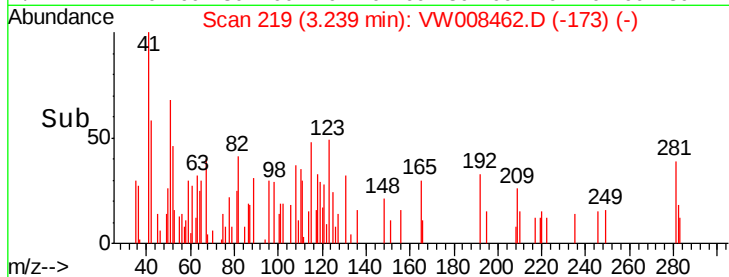
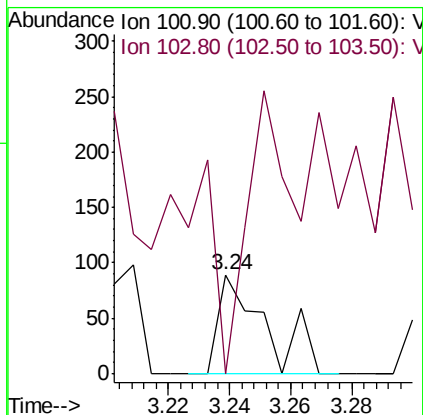
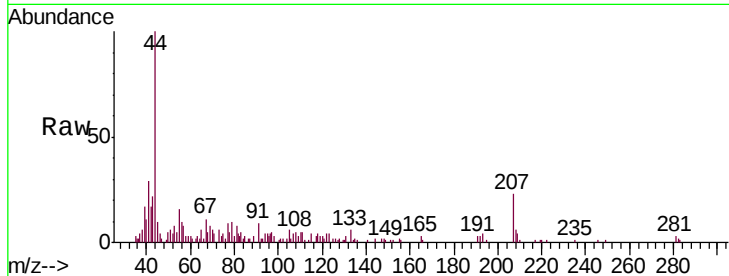


#7

Trichlorofluoromethane
 Concen: 4.797 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

Instrument :
 MSVOA_W
 ClientSampled :
 TP-1

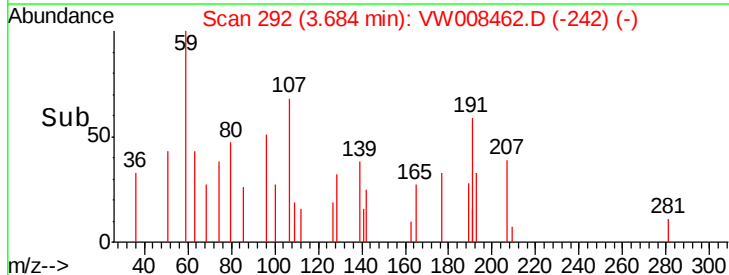
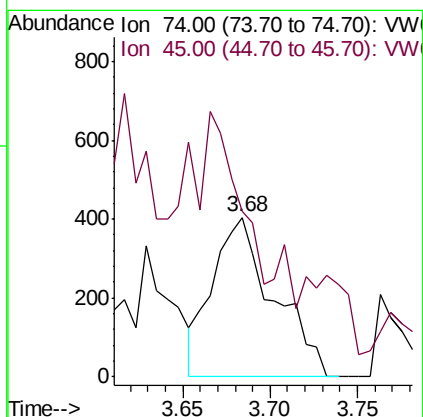
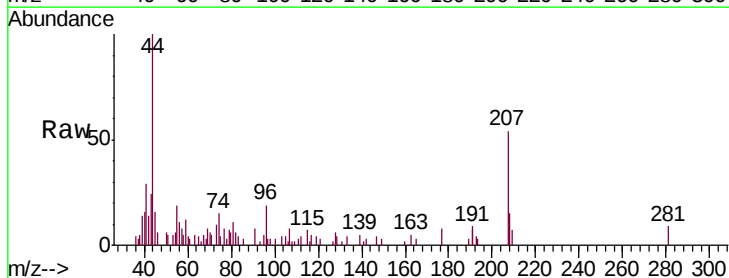
Tgt Ion: 101 Resp: 95
 Ion Ratio Lower Upper
 101 100
 103 0.0 52.5 78.7#

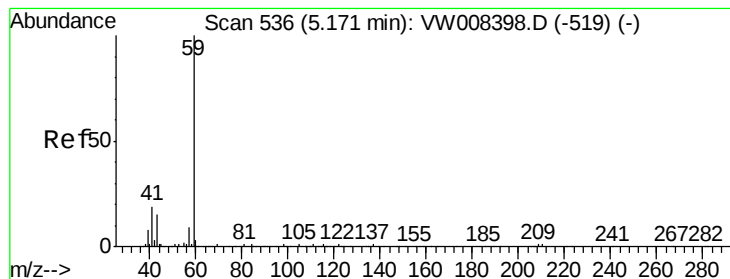


#8

Diethyl Ether
 Concen: 1.492 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

Tgt Ion: 74 Resp: 981
 Ion Ratio Lower Upper
 74 100
 45 76.9 51.7 155.2



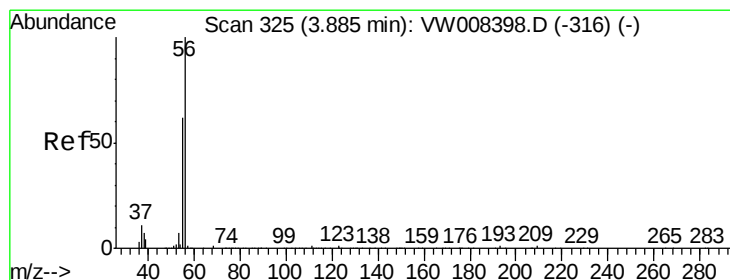
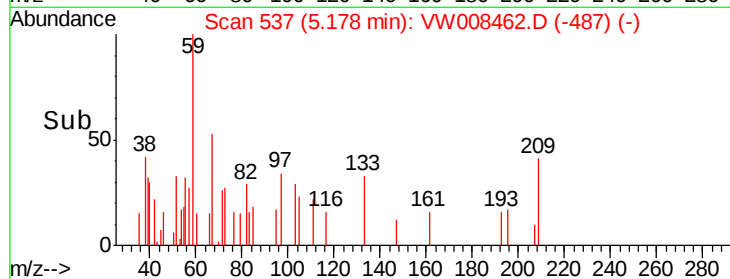
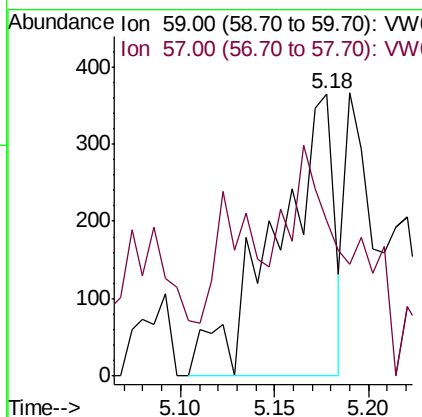
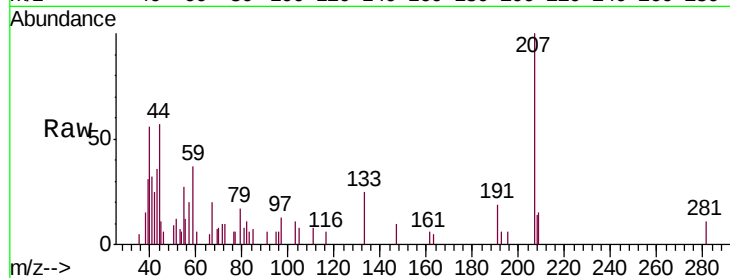


#11

Tert butyl alcohol
Concen: 7.413 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

Instrument :
MSVOA_W
ClientSampled :
TP-1

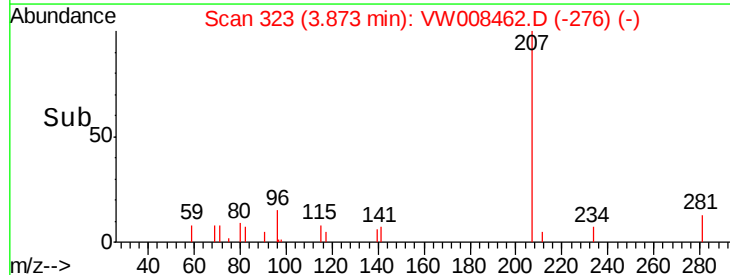
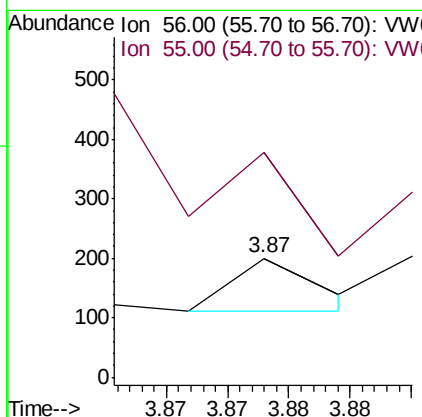
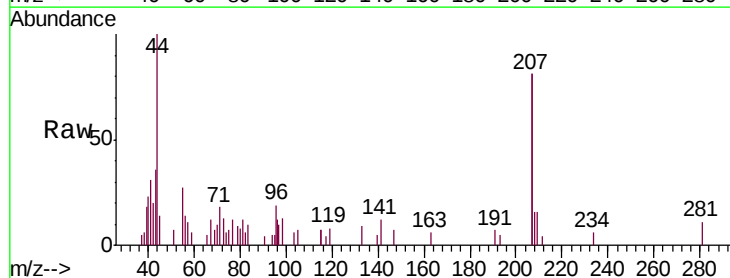
Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 21.0 9.3 13.9#

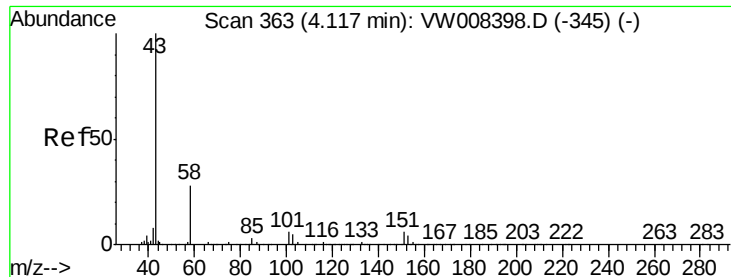


#13

Acrolein
Concen: 4.634 ug/l
RT: 3.87 min Scan# 323
Delta R.T. -0.01 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#

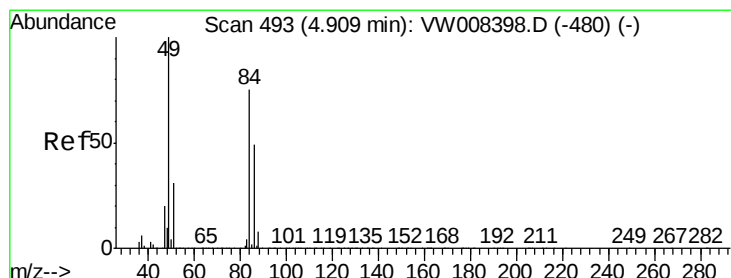
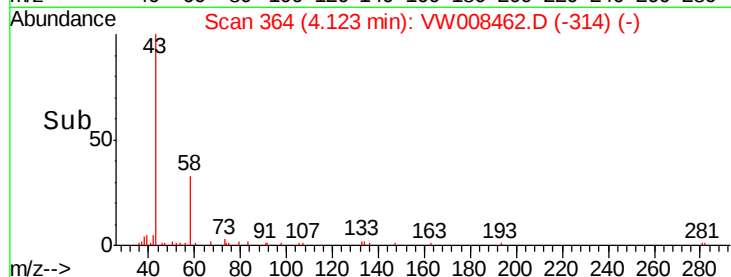
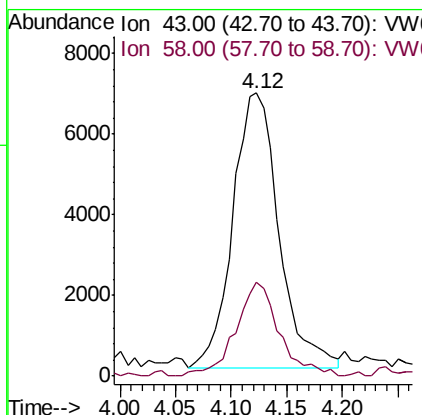
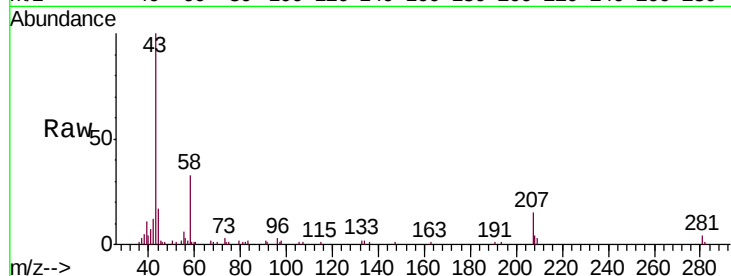




#16
Acetone
Concen: 67.201 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

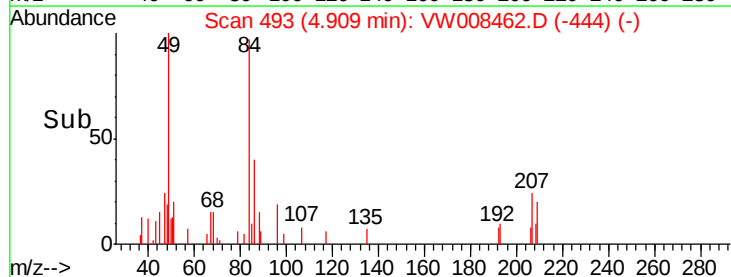
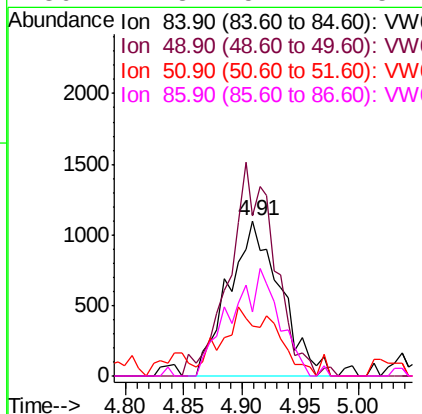
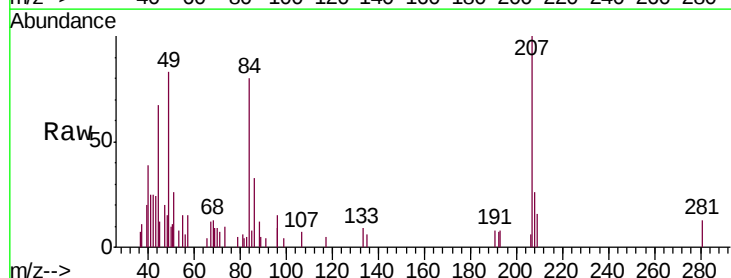
Instrument :
MSVOA_W
ClientSampled :
TP-1

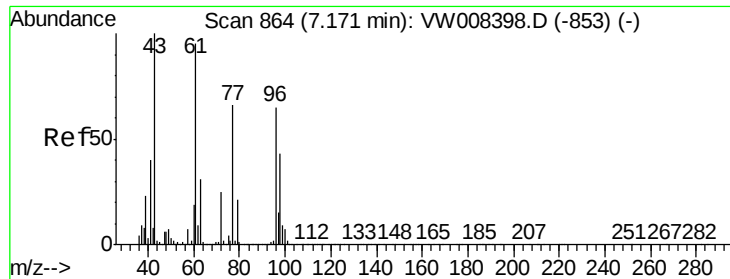
Tgt Ion: 43 Resp: 19546
Ion Ratio Lower Upper
43 100
58 34.4 22.6 34.0#



#20
Methylene Chloride
Concen: 2.531 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

Tgt Ion: 84 Resp: 3393
Ion Ratio Lower Upper
84 100
49 103.2 106.8 160.2#
51 32.1 32.9 49.3#
86 41.3 52.2 78.2#





#25

2-Butanone

Concen: 5.594 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

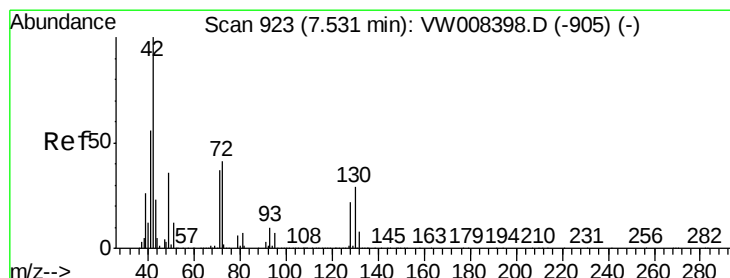
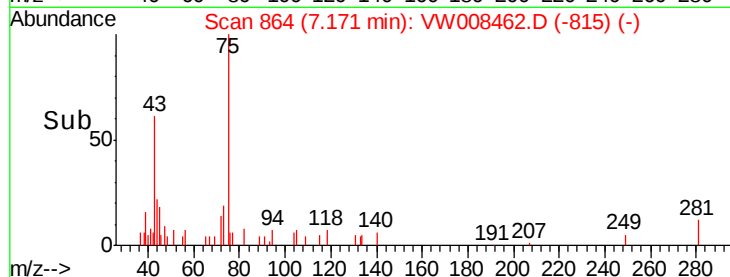
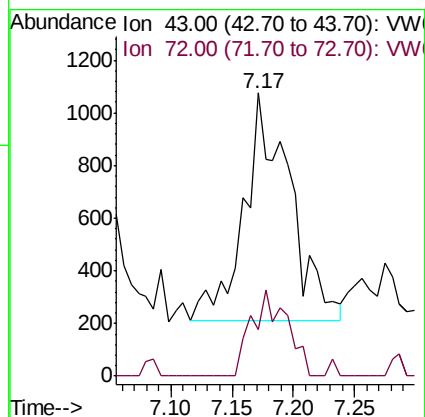
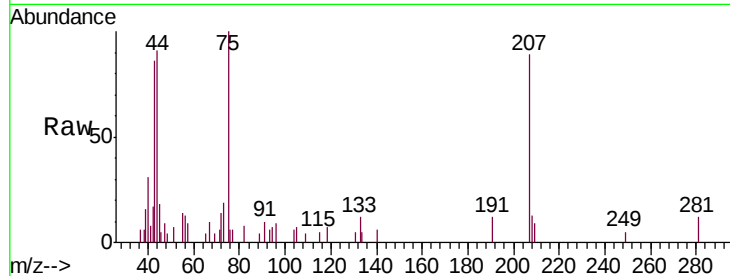
Instrument :
MSVOA_W
ClientSampled :
TP-1

Tgt Ion: 43 Resp: 2260

Ion Ratio Lower Upper

43 100

72 20.6 20.1 30.1



#29

Tetrahydrofuran

Concen: 2.848 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

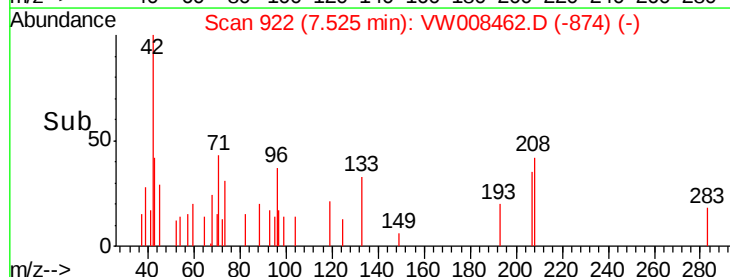
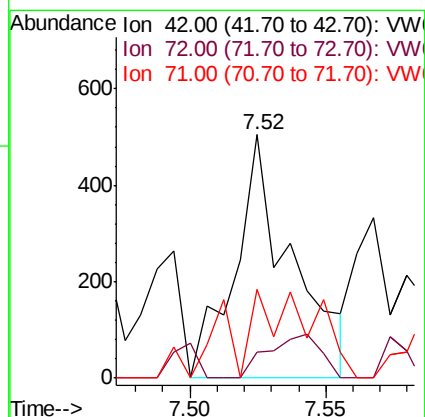
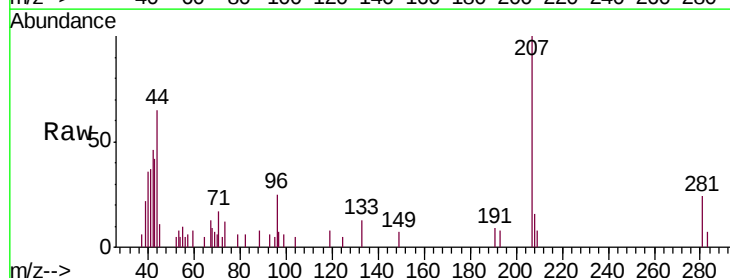
Tgt Ion: 42 Resp: 729

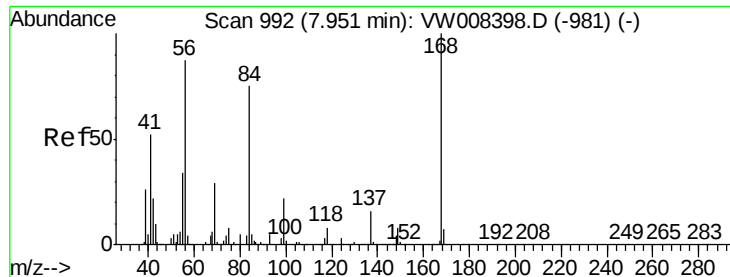
Ion Ratio Lower Upper

42 100

72 16.7 31.9 47.9#

71 37.7 29.9 44.9

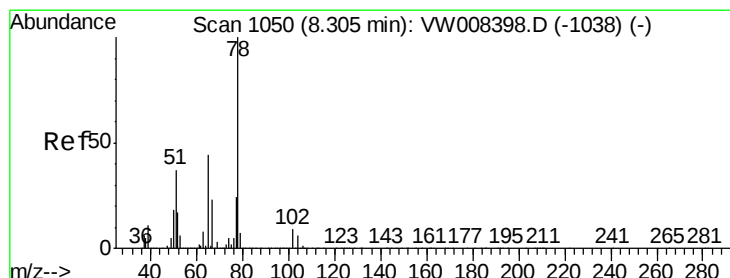
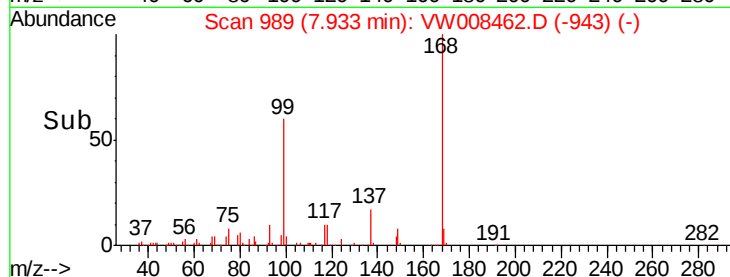
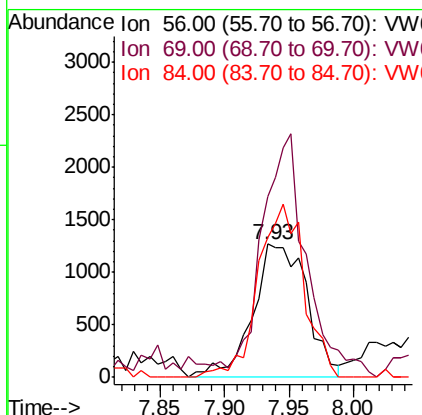
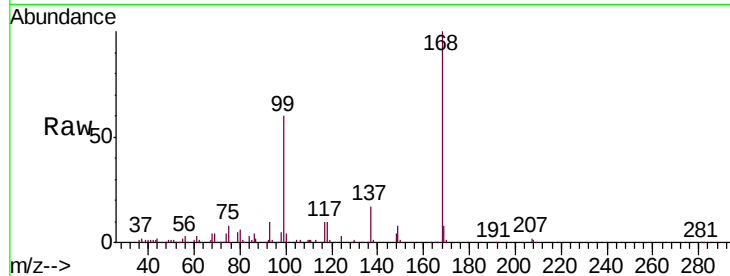




#31
Cyclohexane
Concen: 1.455 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

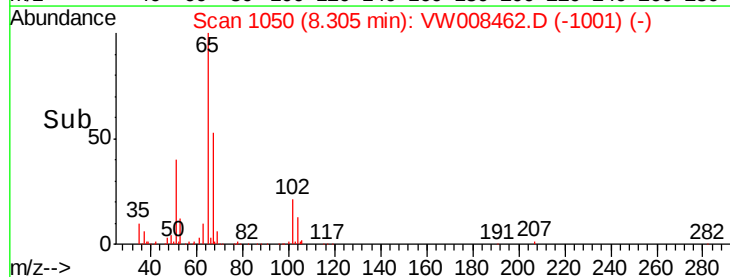
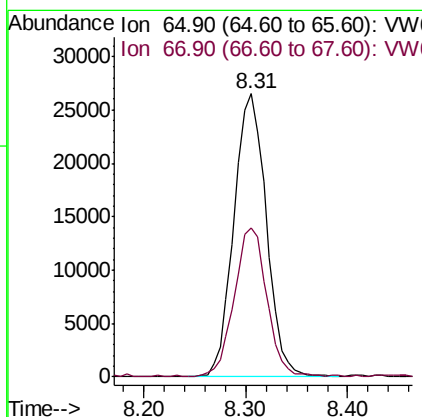
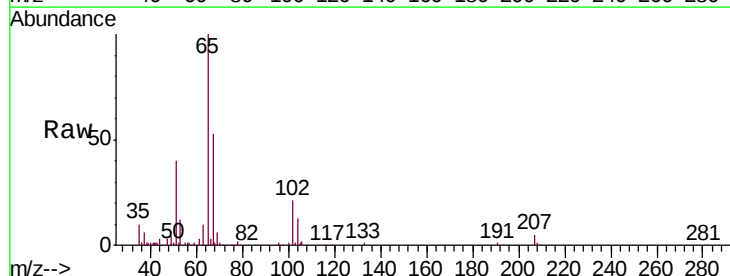
Instrument :
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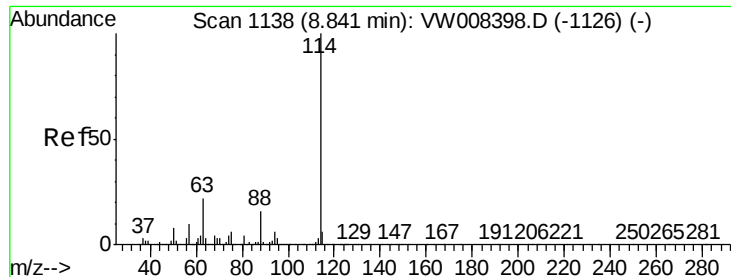
Tgt Ion: 56 Resp: 3699
Ion Ratio Lower Upper
56 100
69 120.5 26.4 39.6#
84 104.8 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 45.116 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

Tgt Ion: 65 Resp: 58435
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.0

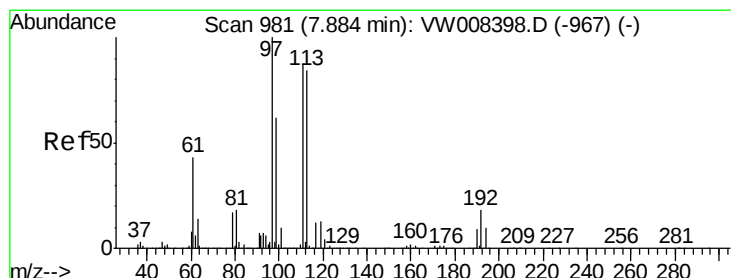
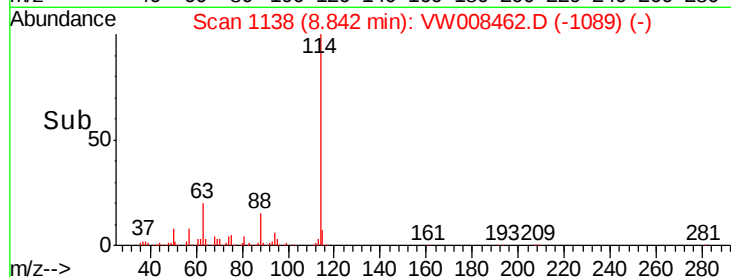
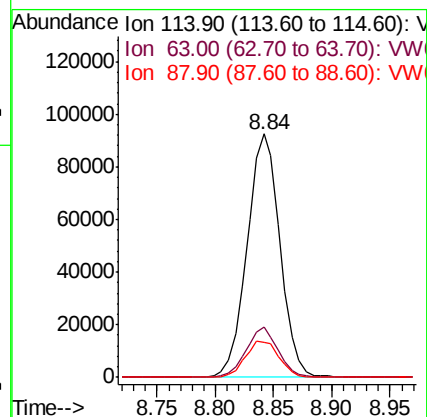
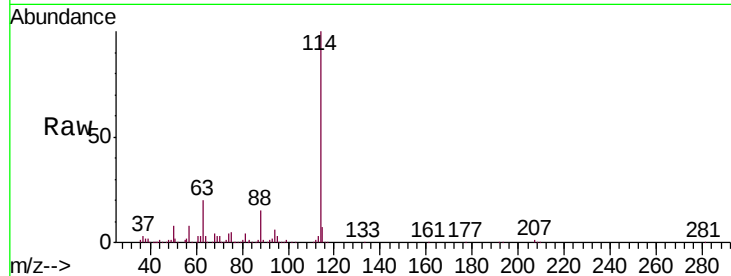




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

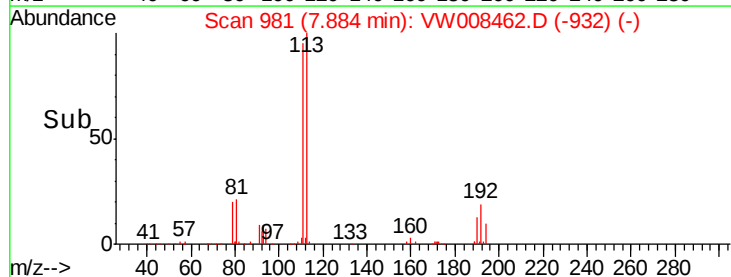
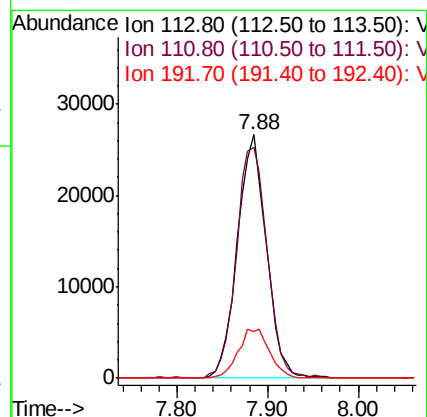
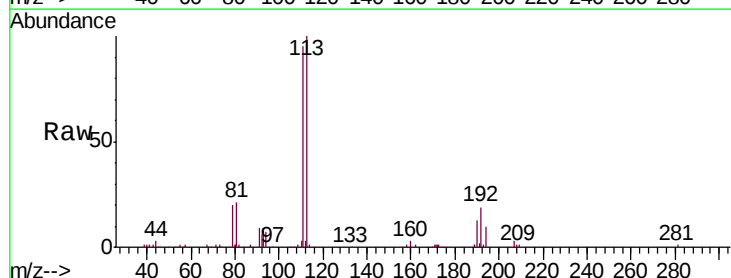
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

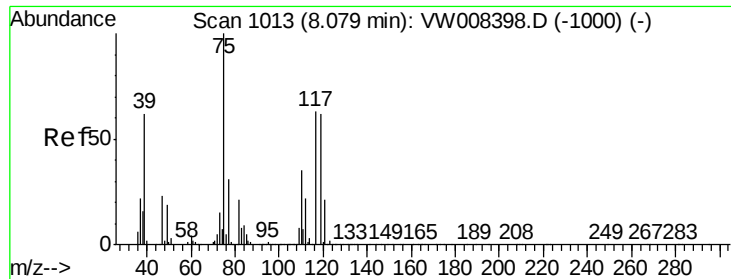
Tgt Ion:114 Resp: 182416
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.6
 88 14.6 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 56.008 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

Tgt Ion:113 Resp: 59741
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.0 121.4
 192 21.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.715 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

TP-1

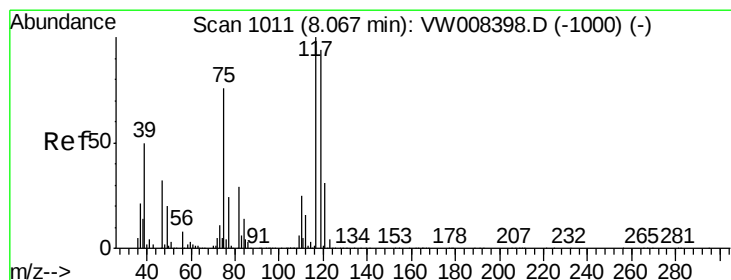
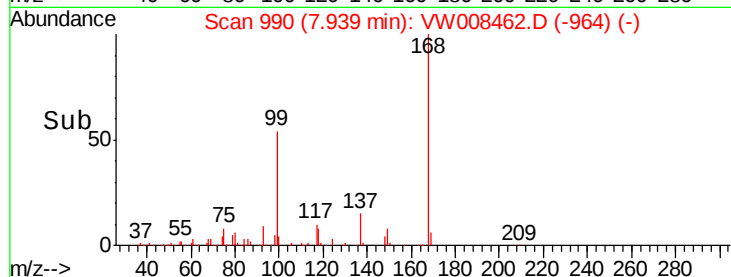
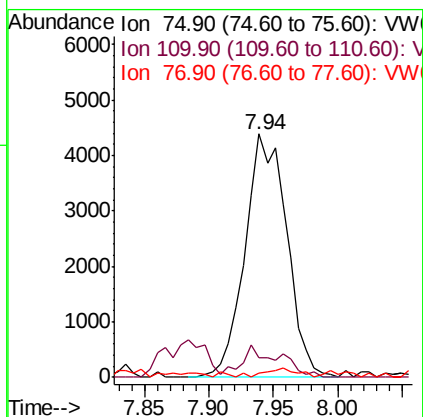
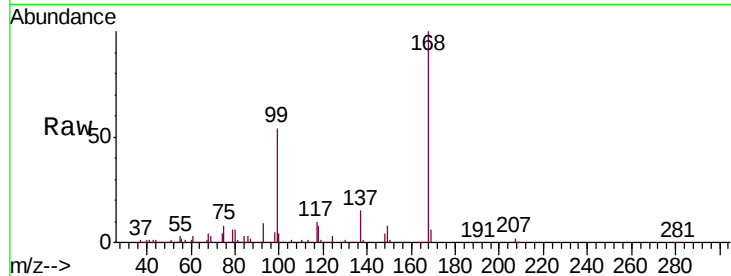
Tgt Ion: 75 Resp: 9848

Ion Ratio Lower Upper

75 100

110 11.9 17.3 52.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.263 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

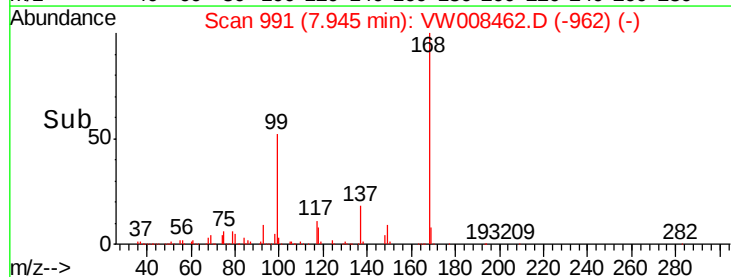
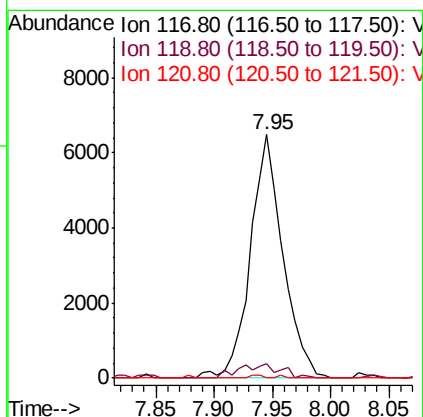
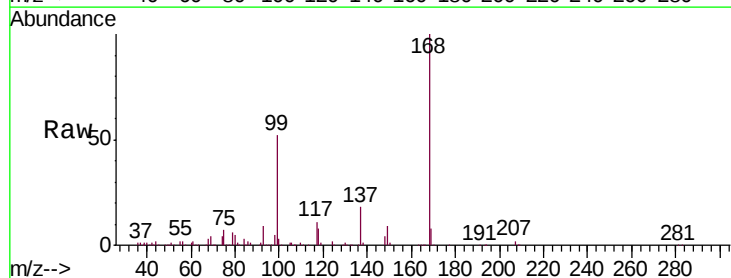
Tgt Ion: 117 Resp: 12594

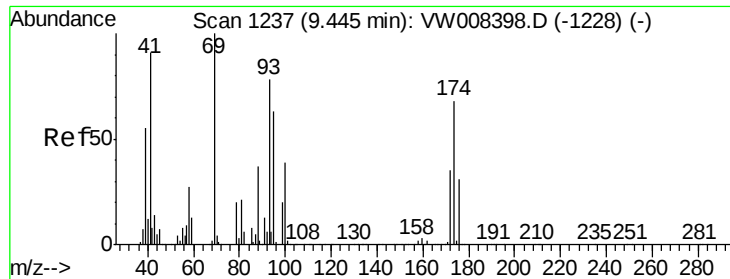
Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.4#

121 0.0 24.9 37.3#

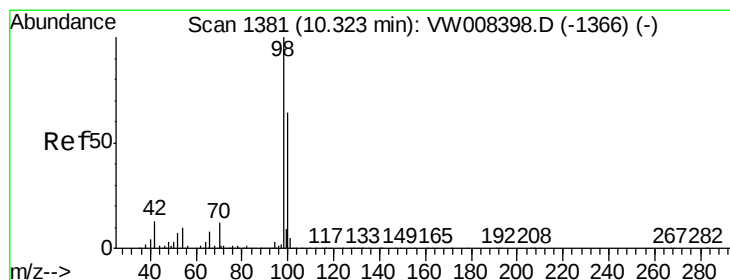
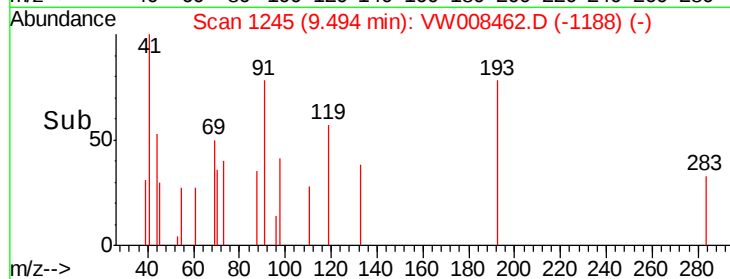
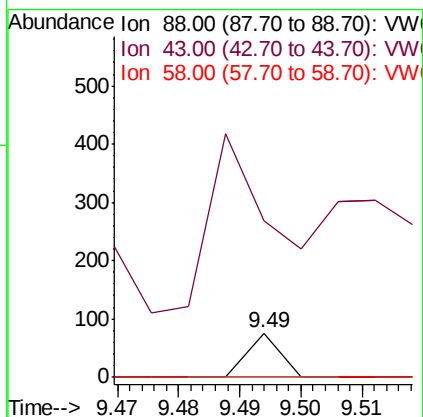
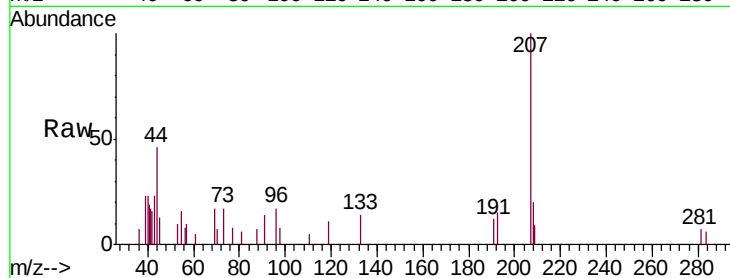




#49
1,4-Dioxane
Concen: 2.701 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.05 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

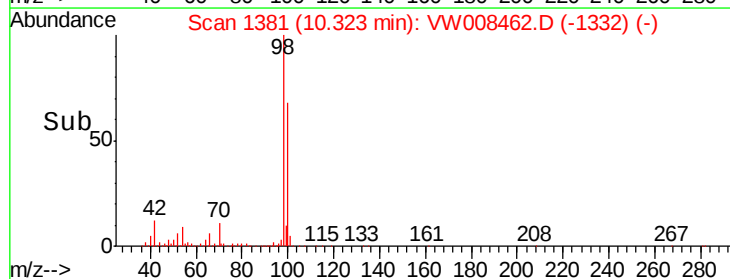
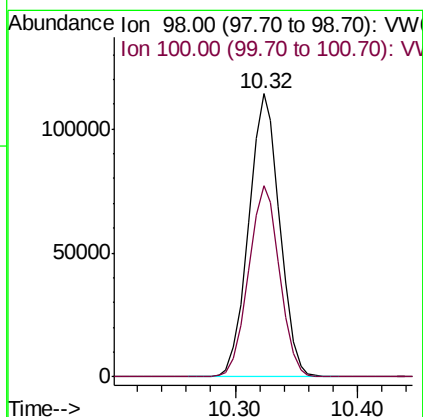
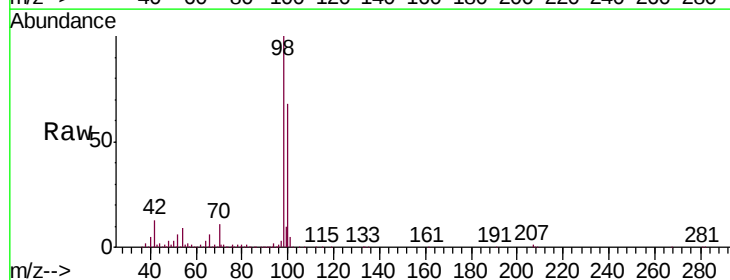
Instrument :
MSVOA_W
ClientSampleId :
TP-1

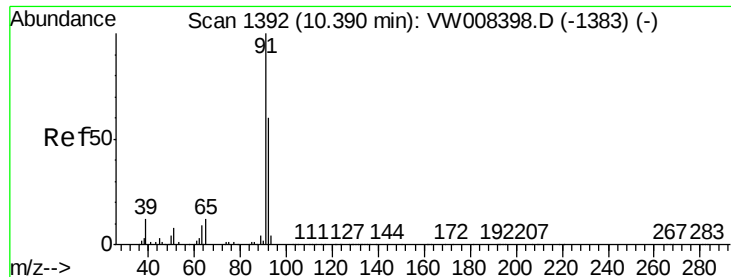
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 764.3 29.0 43.4#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 46.949 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008462.D
Acq: 30 Jan 2019 13:38

Tgt Ion: 98 Resp: 200814
Ion Ratio Lower Upper
98 100
100 67.7 52.6 78.8





#52

Toluene

Concen: 2.112 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

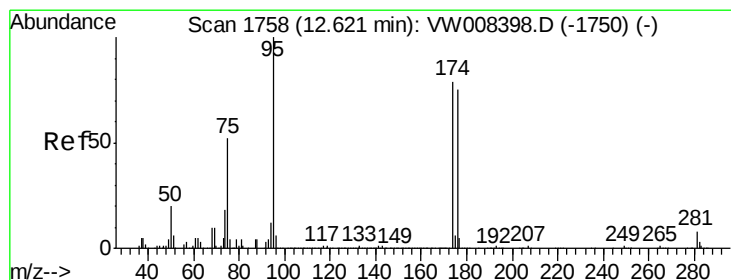
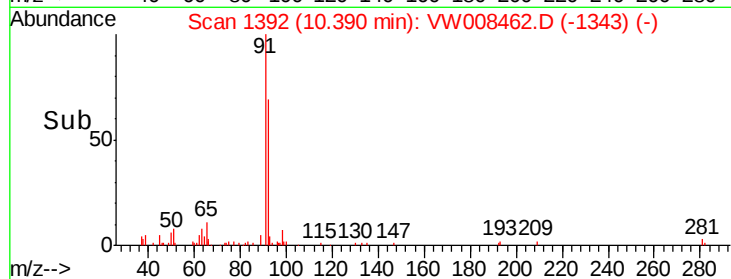
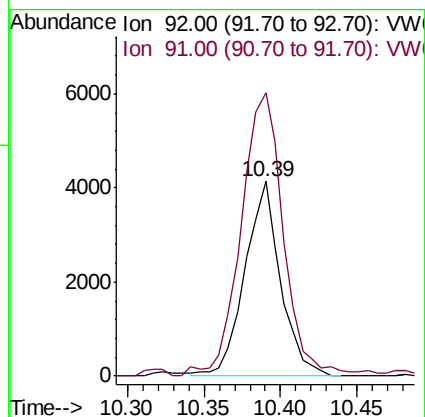
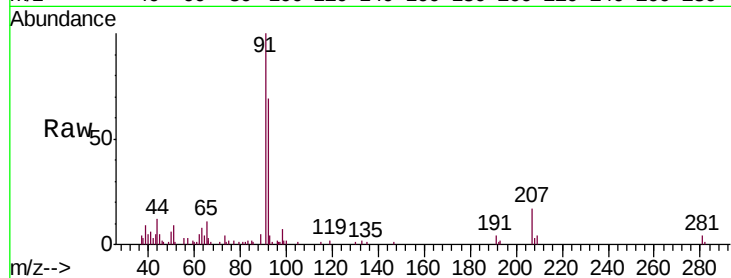
TP-1

Tgt Ion: 92 Resp: 6666

Ion Ratio Lower Upper

92 100

91 173.3 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 27.093 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

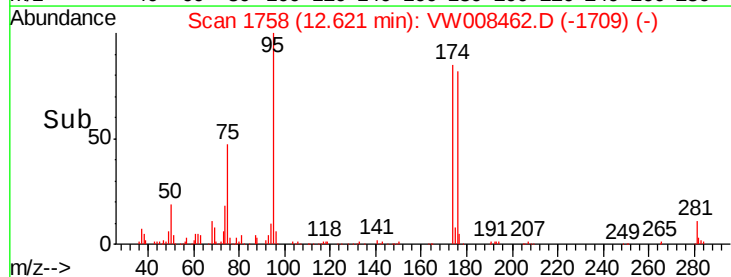
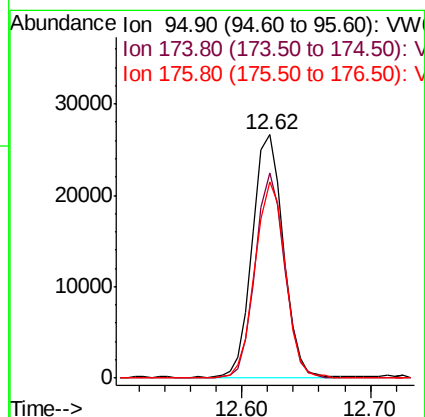
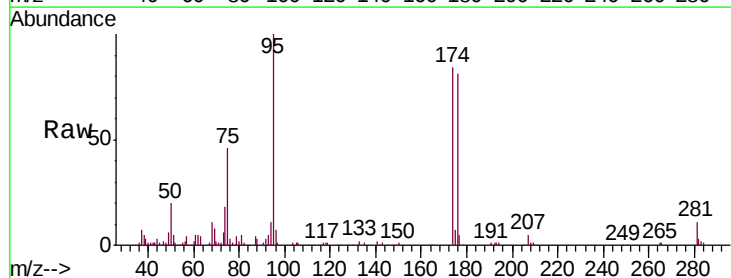
Tgt Ion: 95 Resp: 44544

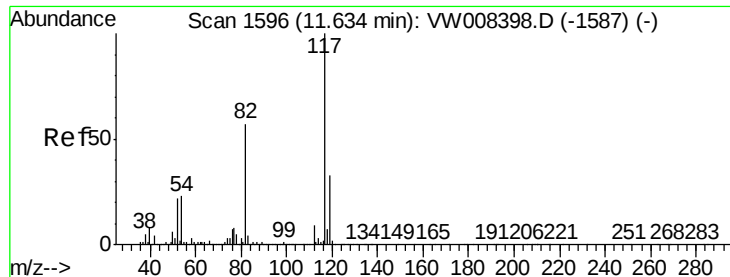
Ion Ratio Lower Upper

95 100

174 79.1 0.0 157.6

176 78.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

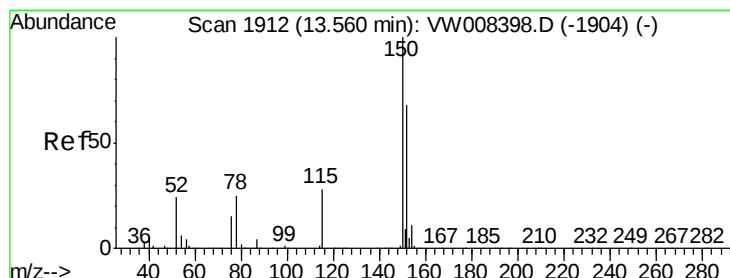
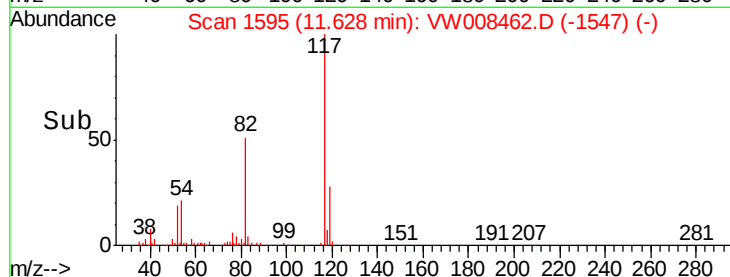
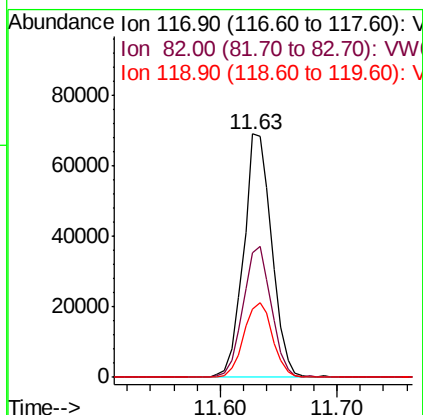
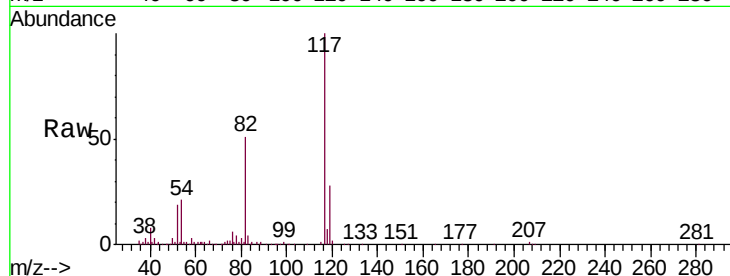
Instrument :

MSVOA_W

ClientSampleId :

TP-1

Tgt Ion:	117	Resp:	116847
Ion	Ratio	Lower	Upper
117	100		
82	51.2	45.4	68.0
119	28.0	26.2	39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

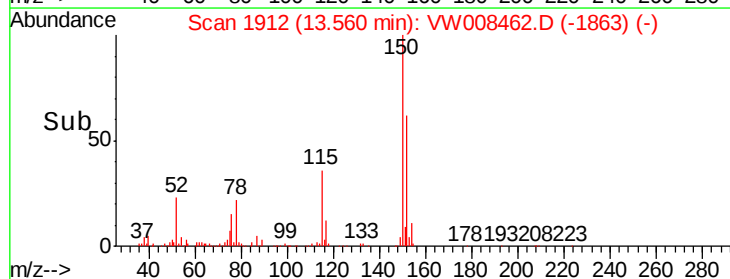
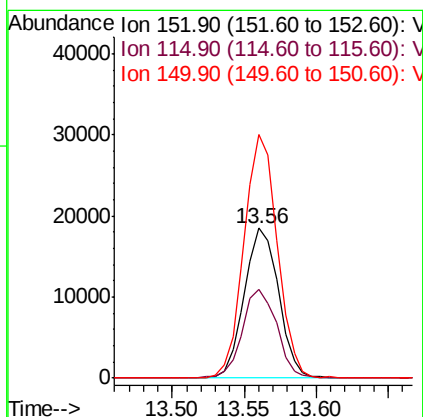
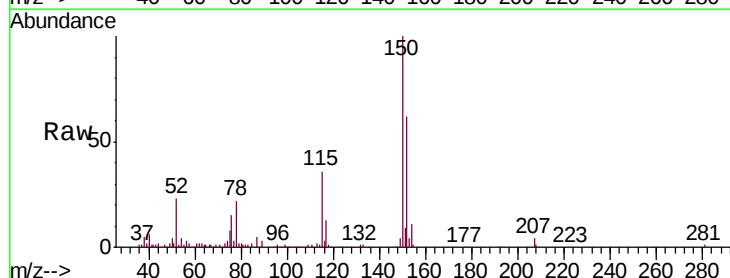
RT: 13.56 min Scan# 1912

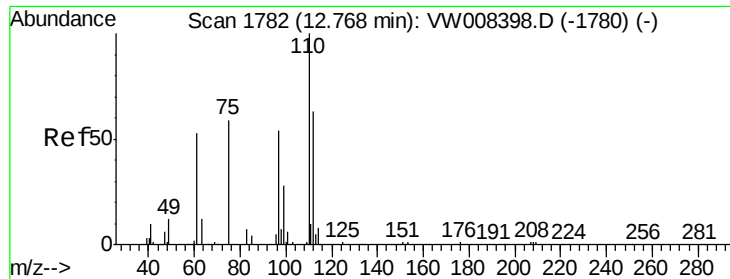
Delta R.T. 0.00 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

Tgt Ion:	152	Resp:	30485
Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.9	89.7
150	157.7	0.0	351.4

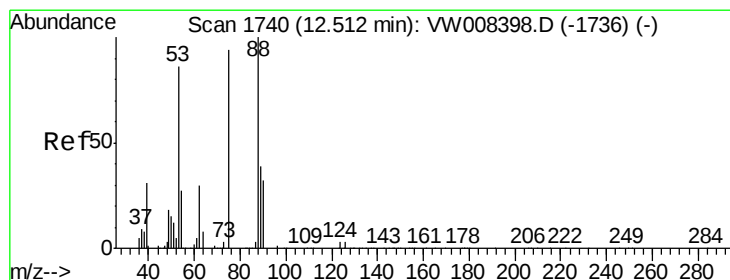
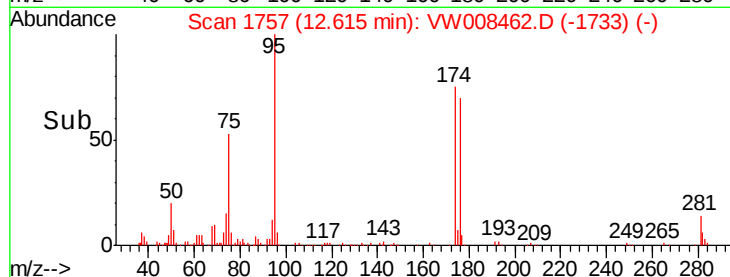
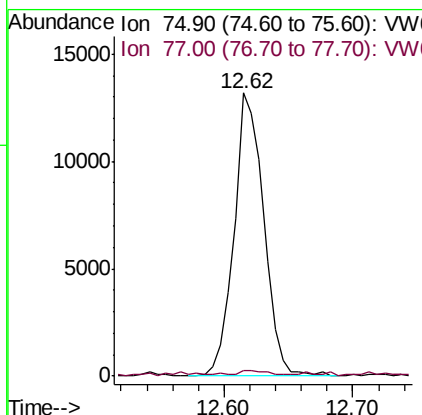
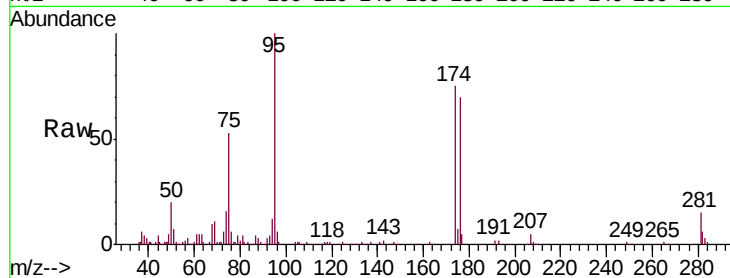




#76
 1,2,3-Trichloropropane
 Concen: 79.794 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

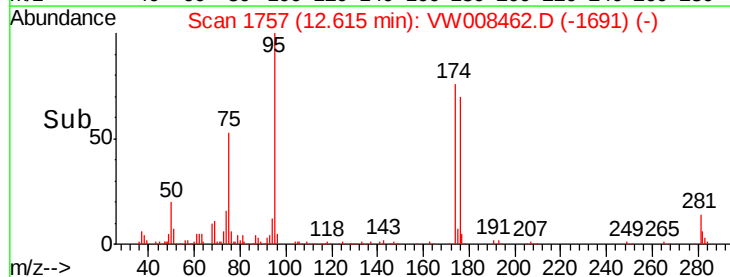
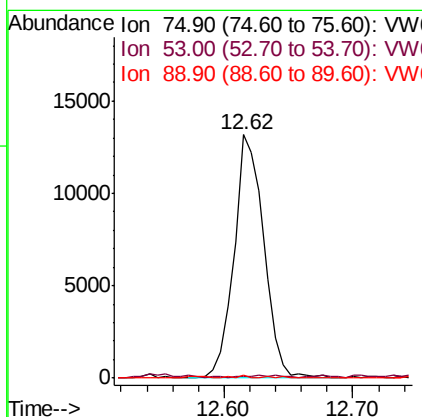
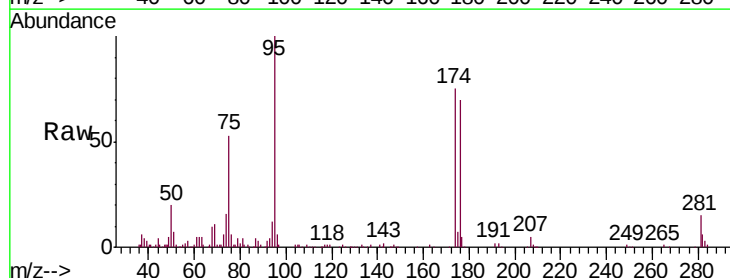
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

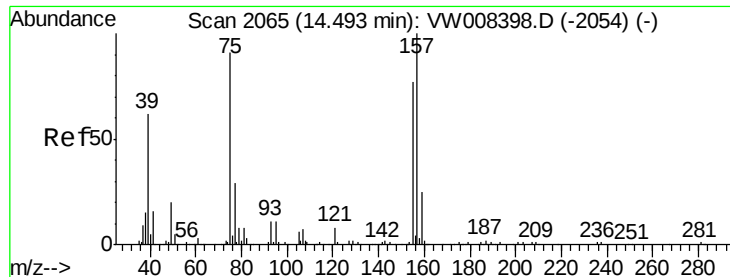
Tgt Ion: 75 Resp: 21149
 Ion Ratio Lower Upper
 75 100
 77 1.5 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.599 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008462.D
 Acq: 30 Jan 2019 13:38

Tgt Ion: 75 Resp: 21149
 Ion Ratio Lower Upper
 75 100
 53 1.2 76.0 114.0#
 89 0.3 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.446 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW008462.D

Acq: 30 Jan 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

TP-1

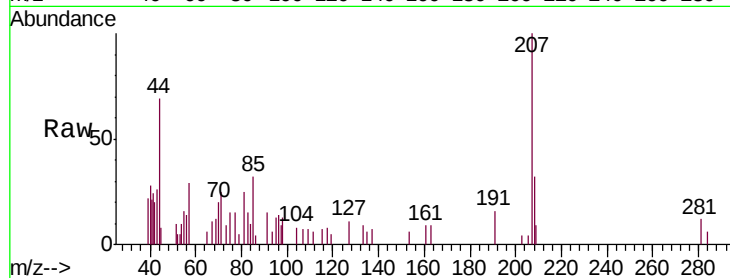
Tgt Ion: 75 Resp: 167

Ion Ratio Lower Upper

75 100

155 0.0 42.7 128.1#

157 0.0 55.5 166.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

