

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008712.D
 Acq On : 16 Feb 2019 05:16
 Operator : SY/VA
 Sample : K1508-03
 Misc : 4.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-12-S

Quant Time: Feb 18 08:00:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	353339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	541660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	192973	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	7.88	113	168902	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.32	98	645460	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	223025	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

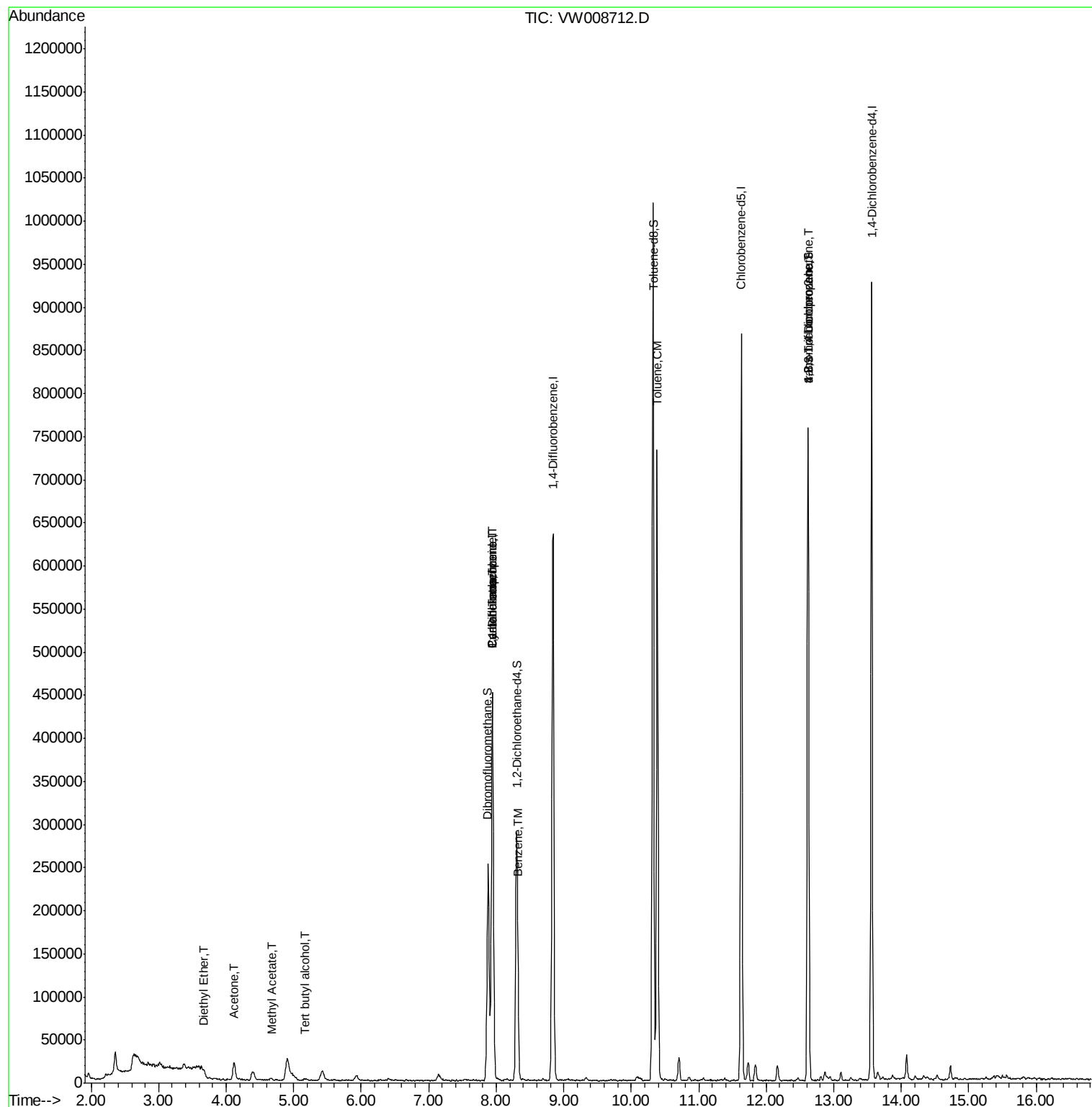
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	4245	2.131	ug/l	97
11) Tert butyl alcohol	5.17	59	1766	6.009	ug/l #	70
16) Acetone	4.12	43	37493	44.853	ug/l	94
18) Methyl Acetate	4.67	43	3182	1.666	ug/l	93
20) Methylene Chloride	4.92	84	22818	Below Cal		82
31) Cyclohexane	7.94	56	8889	1.323	ug/l #	44
36) 1,1-Dichloropropene	7.94	75	26468	4.864	ug/l #	51
38) Carbon Tetrachloride	7.95	117	33694	6.227	ug/l #	16
40) Benzene	8.32	78	39887	2.684	ug/l	99
52) Toluene	10.38	92	306393	31.956	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	117366	51.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117366	109.936	ug/l #	7

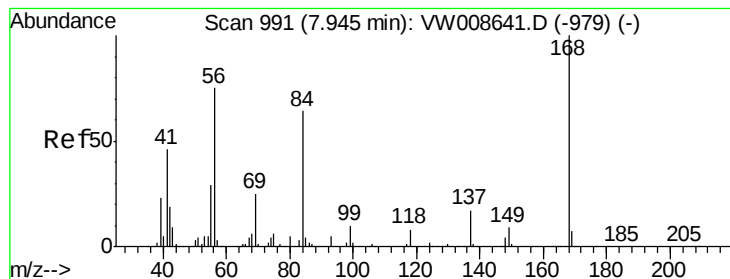
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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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: VW008712.D

Acq: 16 Feb 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

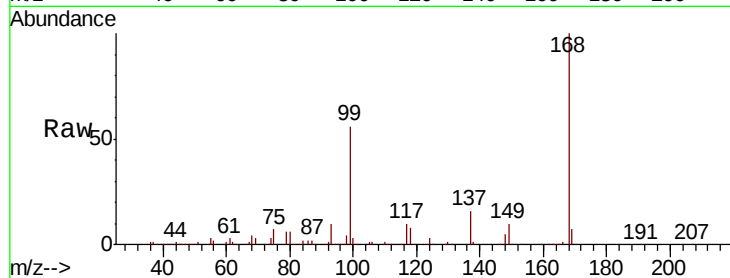
M-12-S

Tgt Ion:168 Resp: 353339

Ion Ratio Lower Upper

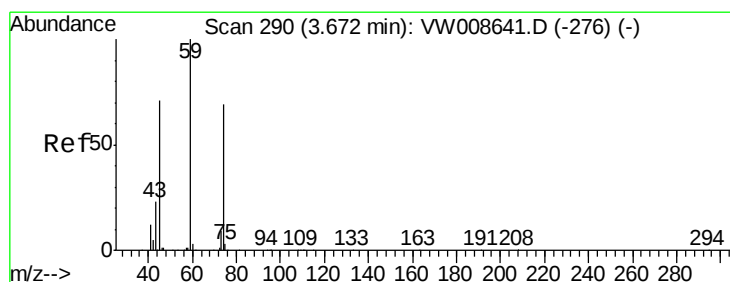
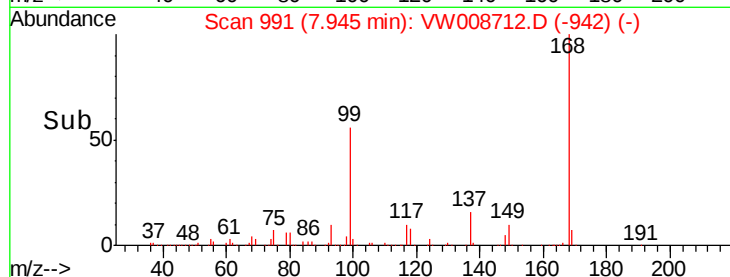
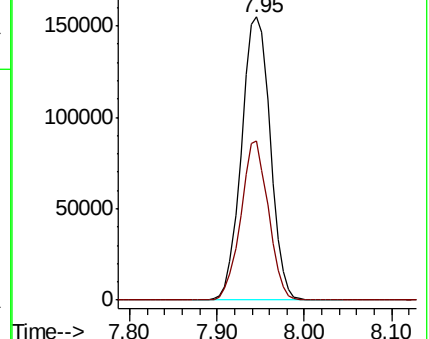
168 100

99 56.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.131 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW008712.D

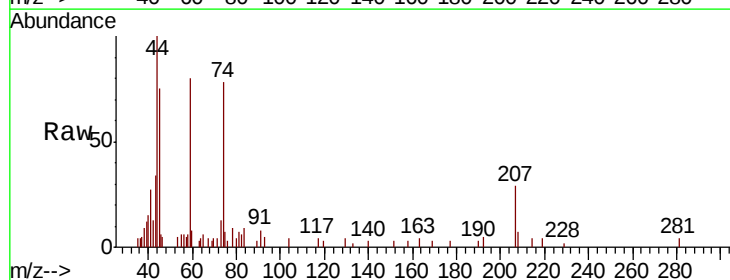
Acq: 16 Feb 2019 05:16

Tgt Ion: 74 Resp: 4245

Ion Ratio Lower Upper

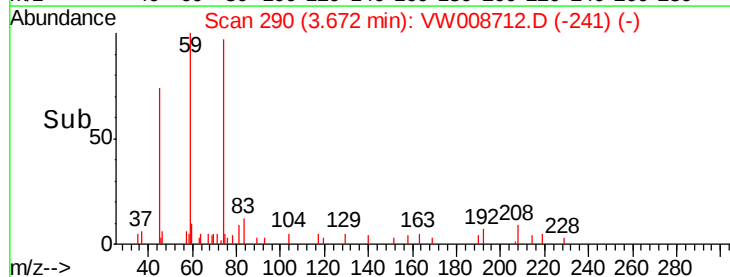
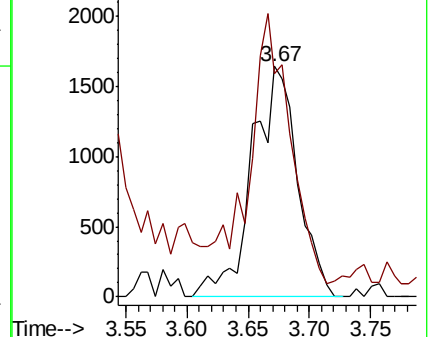
74 100

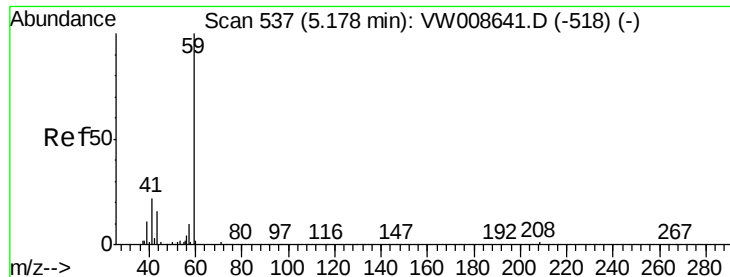
45 103.2 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

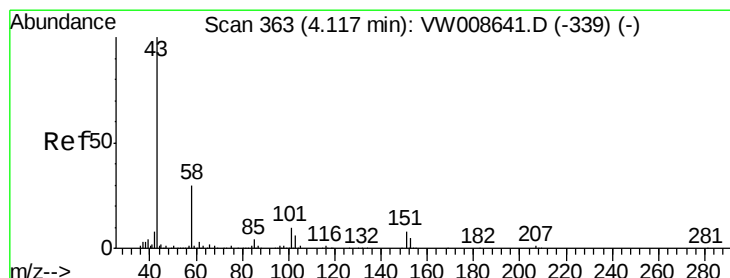
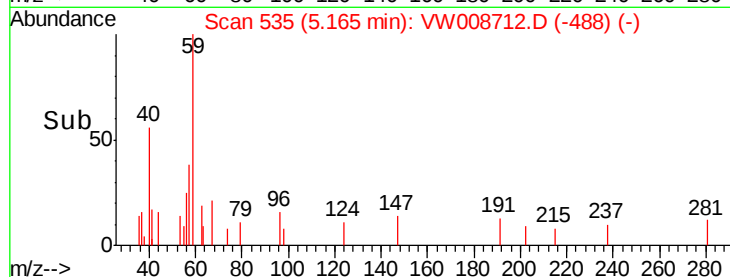
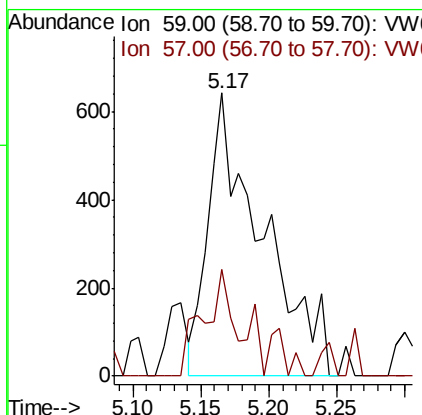
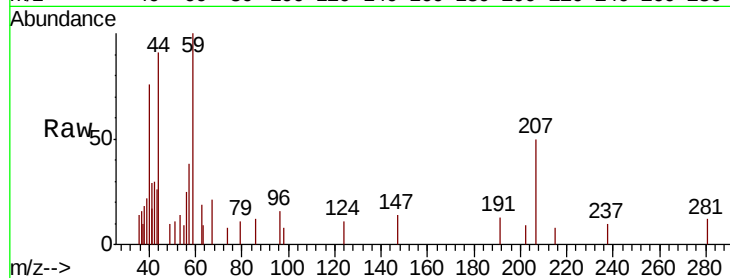




#11
Tert butyl alcohol
Concen: 6.009 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

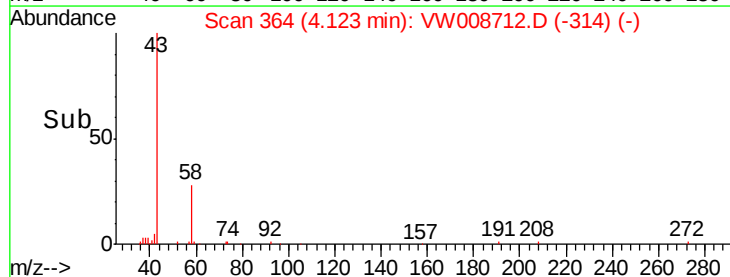
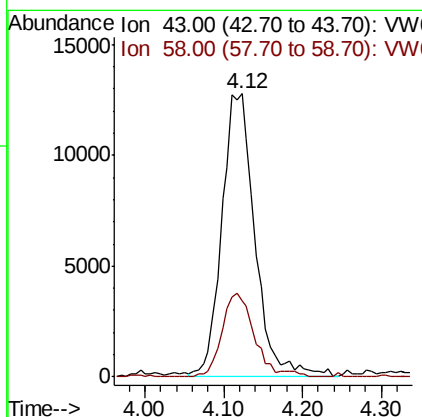
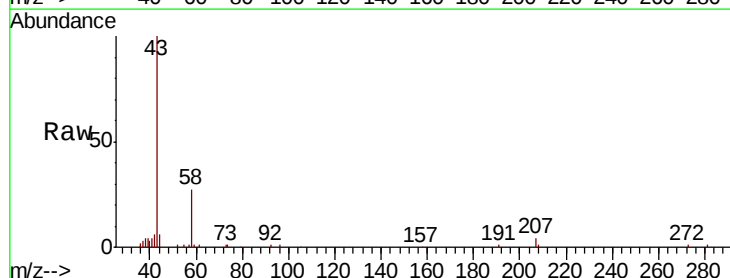
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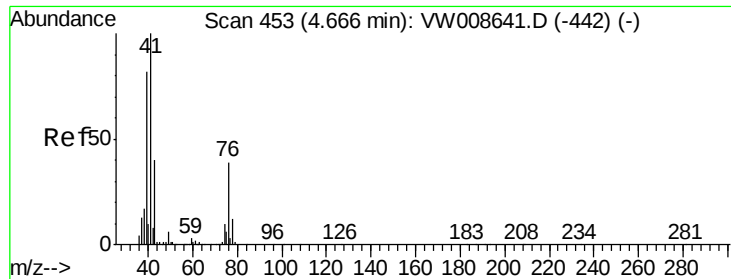
Tgt Ion: 59 Resp: 1766
Ion Ratio Lower Upper
59 100
57 21.7 8.3 12.5#



#16
Acetone
Concen: 44.853 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

Tgt Ion: 43 Resp: 37493
Ion Ratio Lower Upper
43 100
58 27.1 24.1 36.1

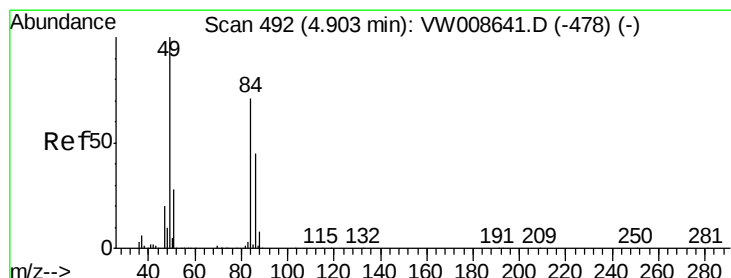
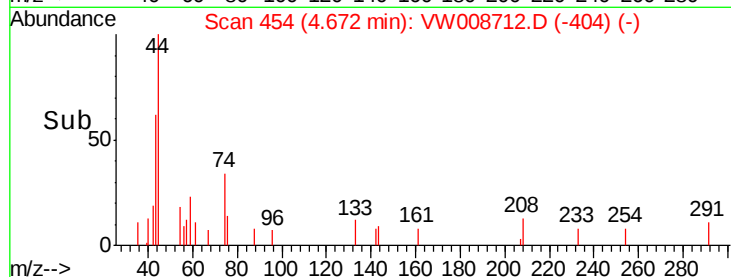
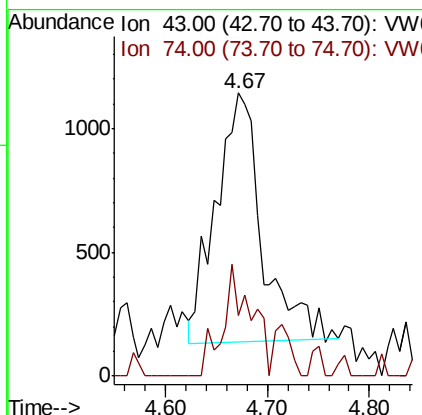
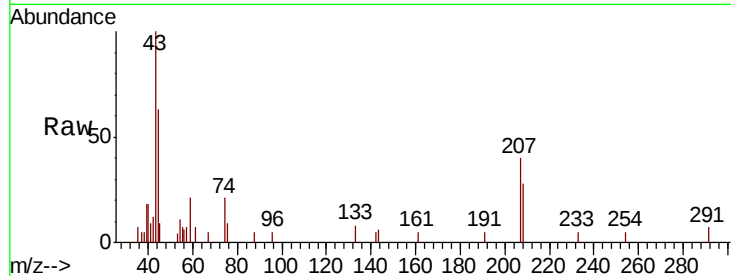




#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

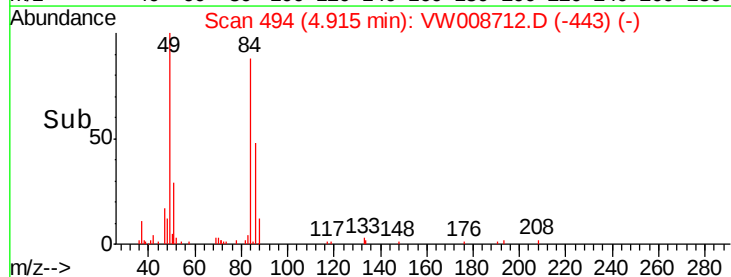
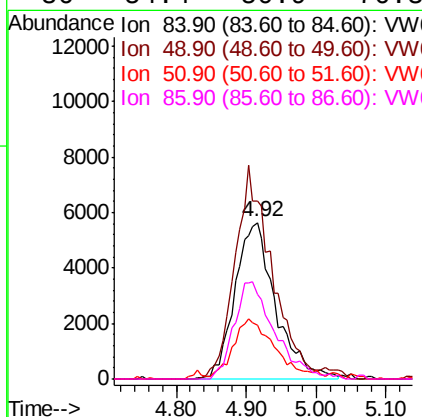
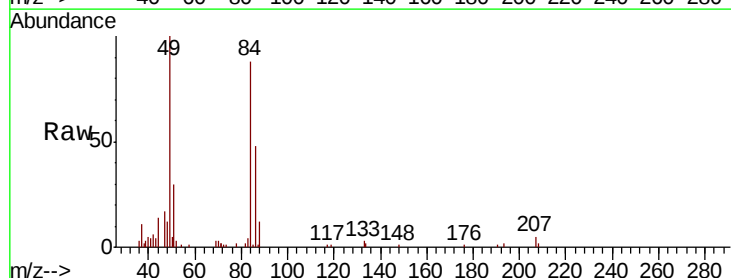
Instrument :
MSVOA_W
ClientSampleId :
M-12-S

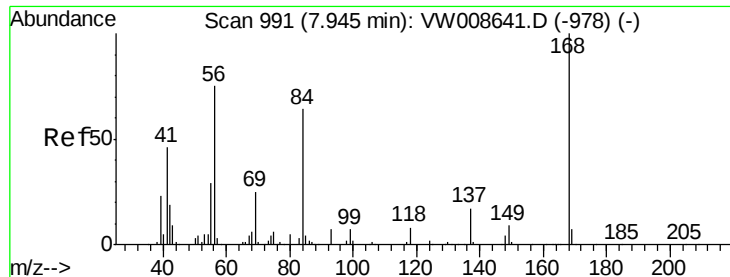
Tgt Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
74 27.3 19.0 28.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

Tgt Ion: 84 Resp: 22818
Ion Ratio Lower Upper
84 100
49 113.6 113.3 169.9
51 32.7 32.1 48.1
86 54.4 50.9 76.3

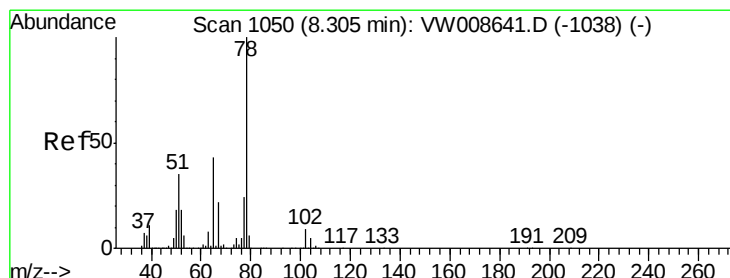
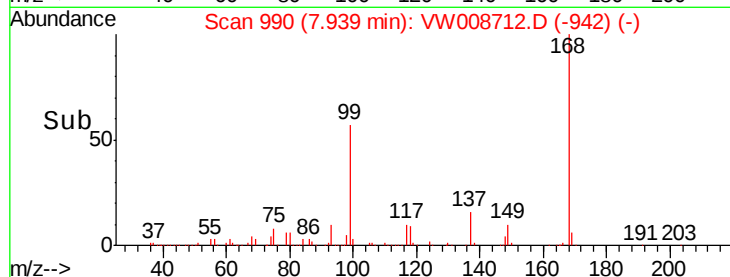
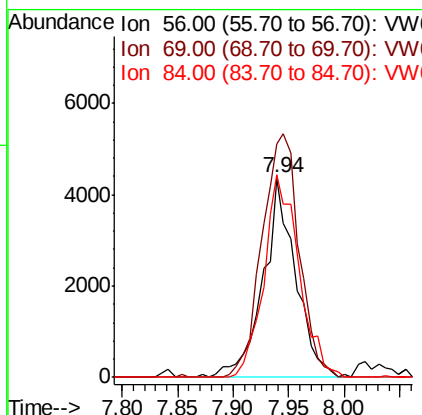
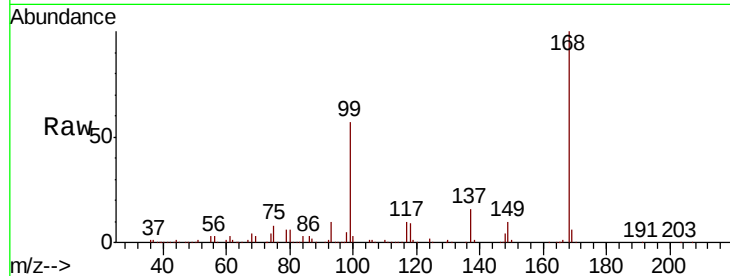




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

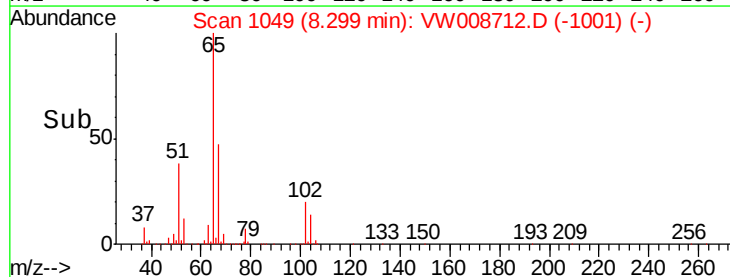
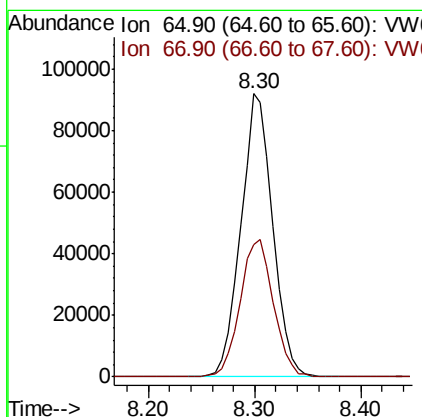
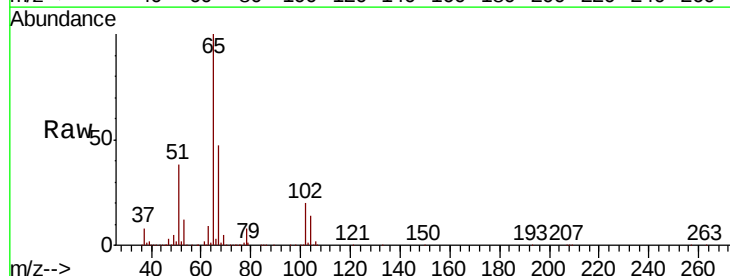
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ClientSampleId :
M-12-S

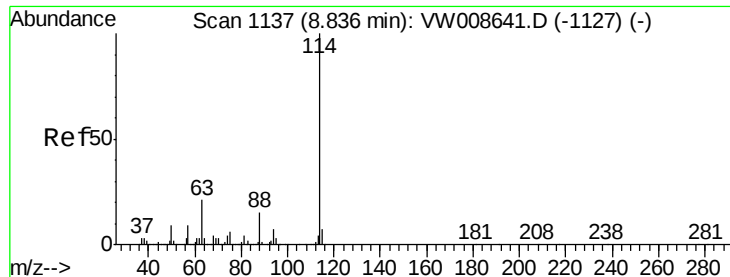
Tgt Ion: 56 Resp: 8889
Ion Ratio Lower Upper
56 100
69 117.1 26.4 39.6#
84 102.0 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 52.532 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

Tgt Ion: 65 Resp: 192973
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.0

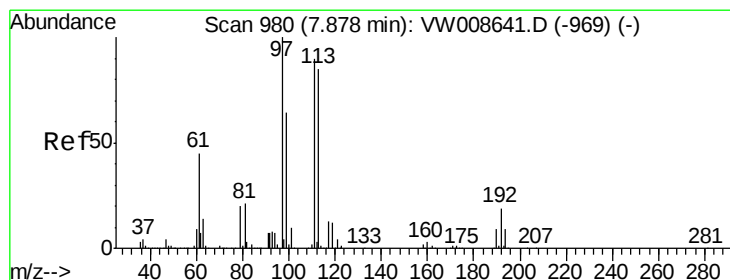
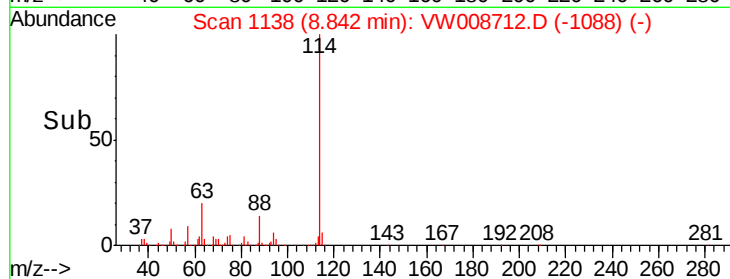
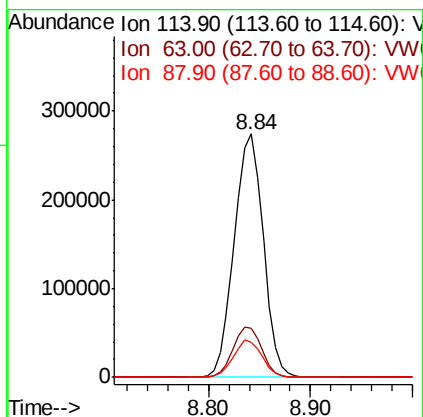
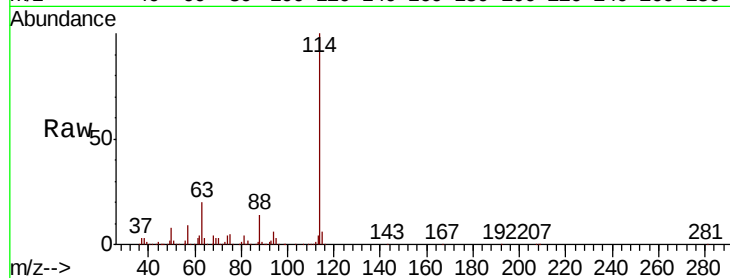




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008712.D
 Acq: 16 Feb 2019 05:16

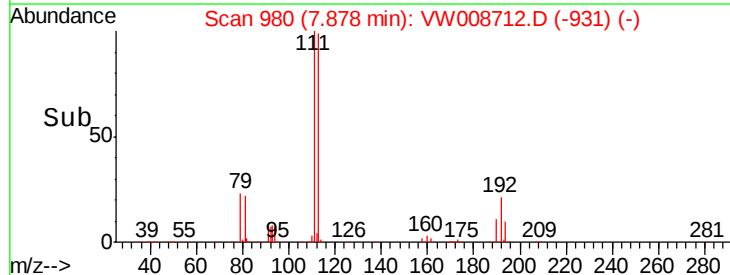
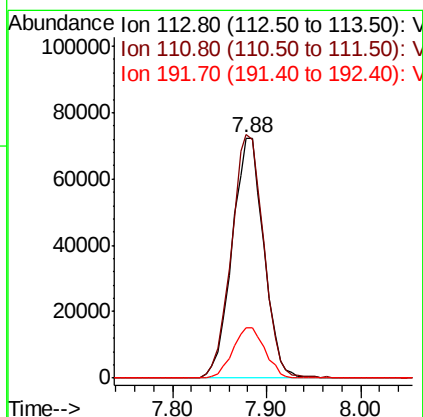
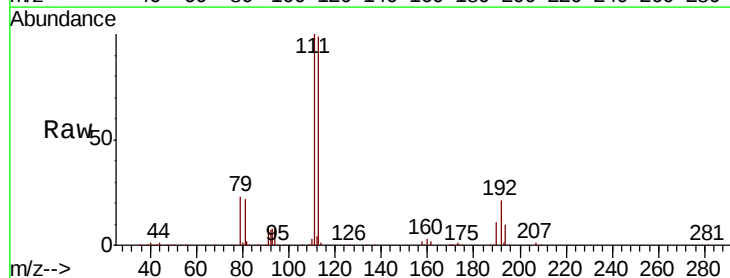
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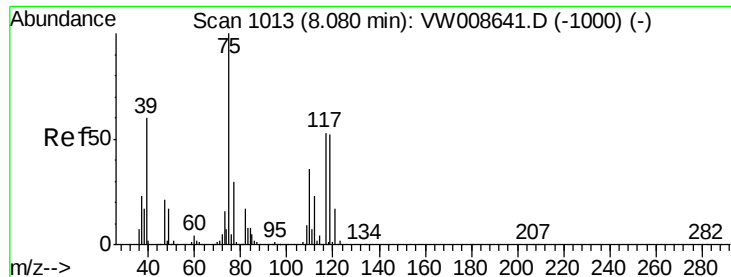
Tgt Ion:114 Resp: 541660
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 14.2 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 50.218 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008712.D
 Acq: 16 Feb 2019 05:16

Tgt Ion:113 Resp: 168902
 Ion Ratio Lower Upper
 113 100
 111 102.9 84.0 126.0
 192 21.4 17.4 26.2

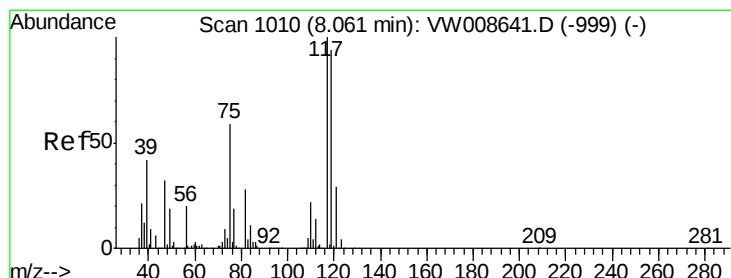
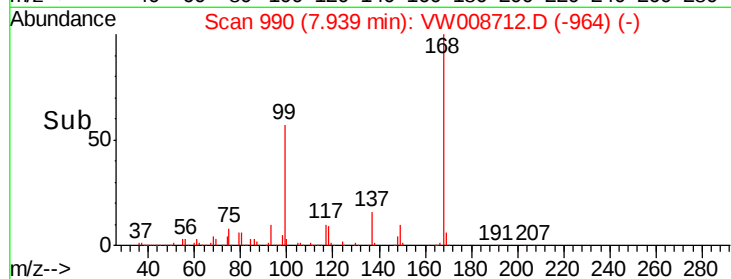
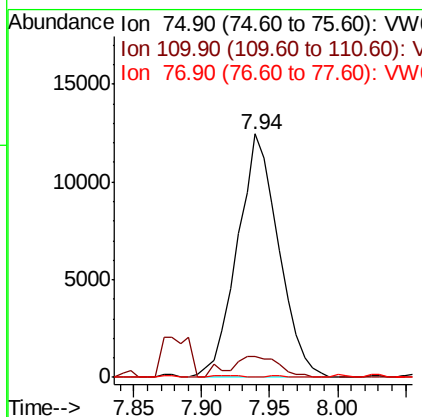
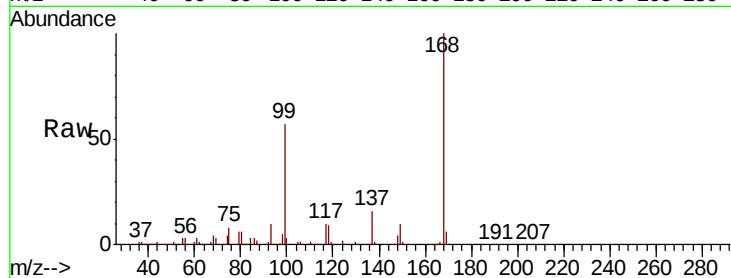




#36
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008712.D
 Acq: 16 Feb 2019 05:16

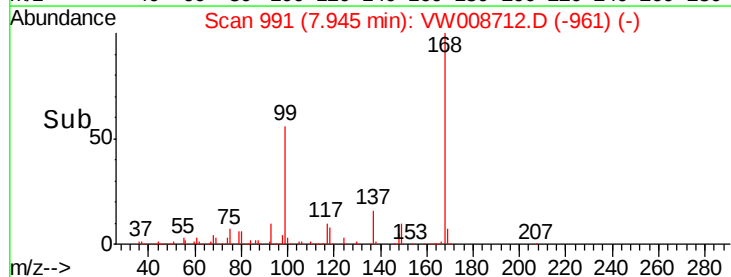
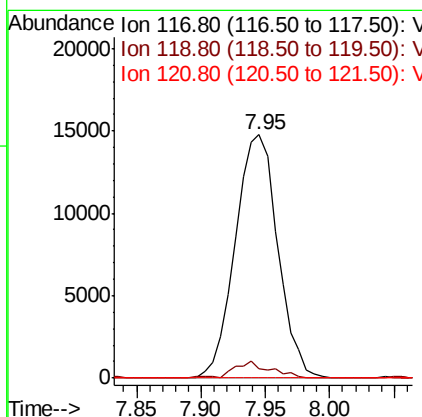
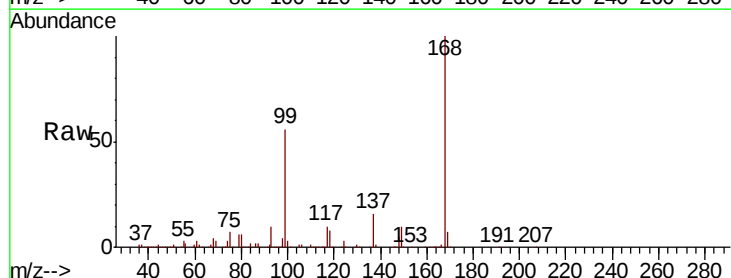
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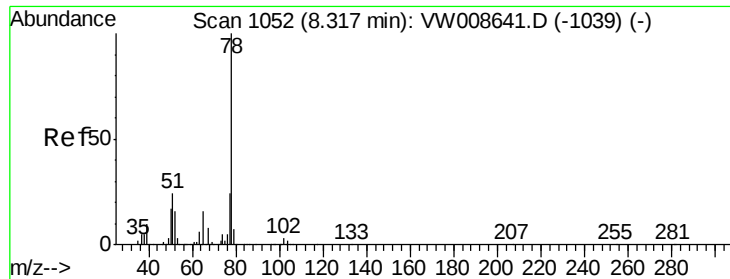
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.227 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008712.D
 Acq: 16 Feb 2019 05:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.1	112.7#
121	0.0	23.5	35.3#





#40

Benzene

Concen: 2.684 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW008712.D

Acq: 16 Feb 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

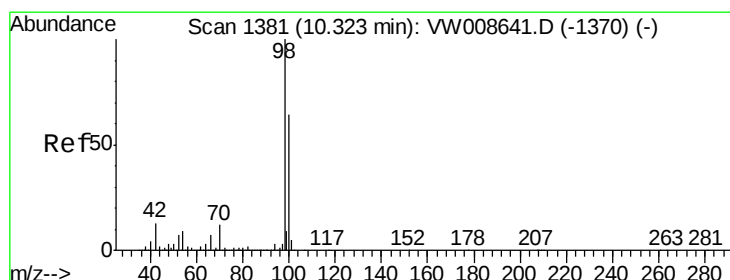
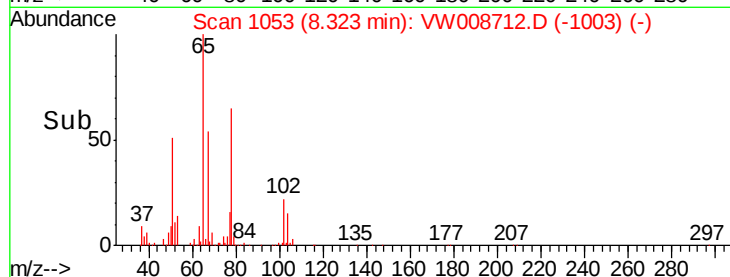
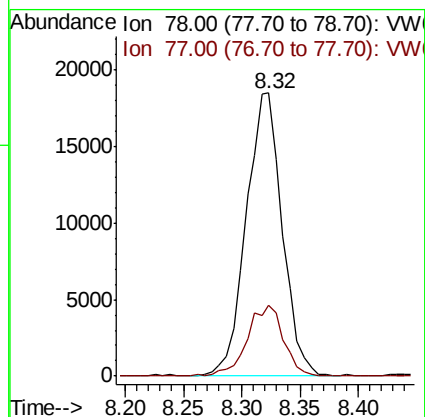
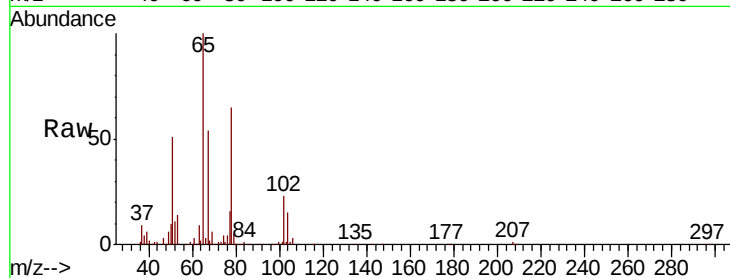
M-12-S

Tgt Ion: 78 Resp: 39887

Ion Ratio Lower Upper

78 100

77 25.1 19.5 29.3



#50

Toluene-d8

Concen: 49.783 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008712.D

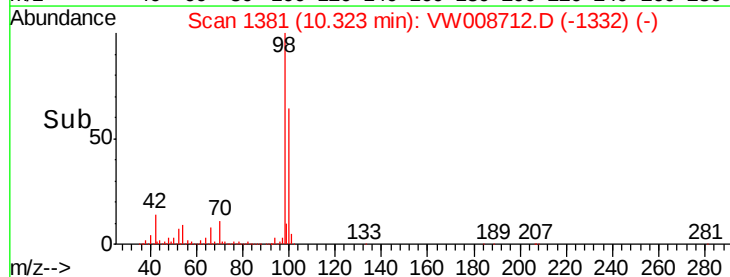
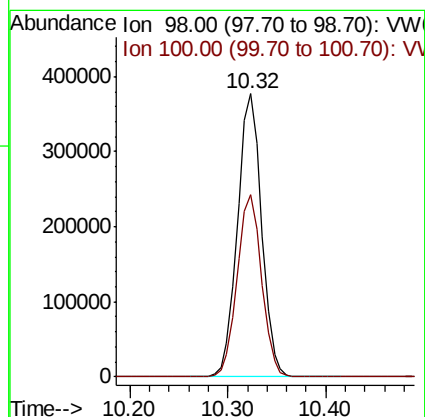
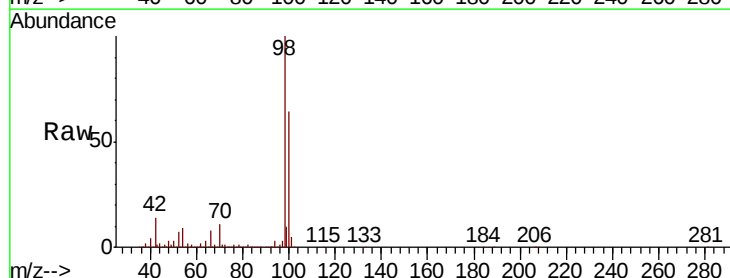
Acq: 16 Feb 2019 05:16

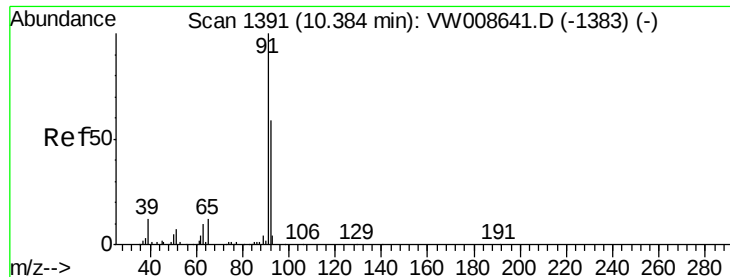
Tgt Ion: 98 Resp: 645460

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4





#52

Toluene

Concen: 31.956 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008712.D

Acq: 16 Feb 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

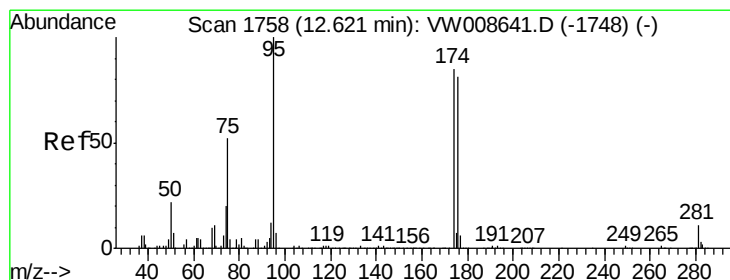
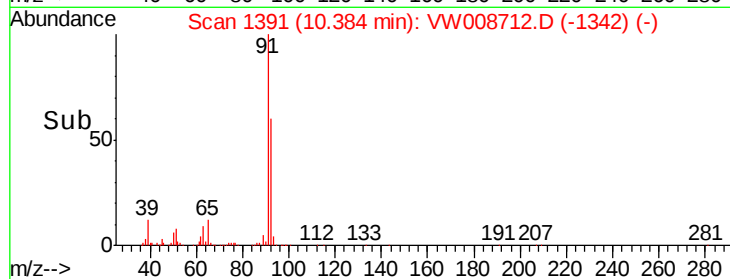
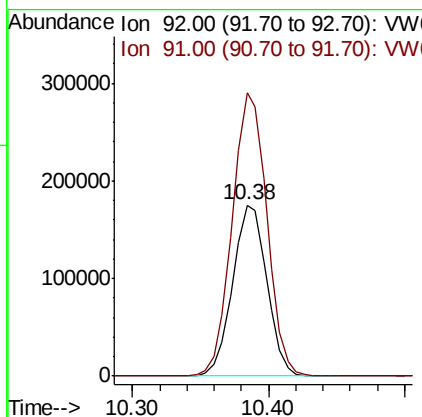
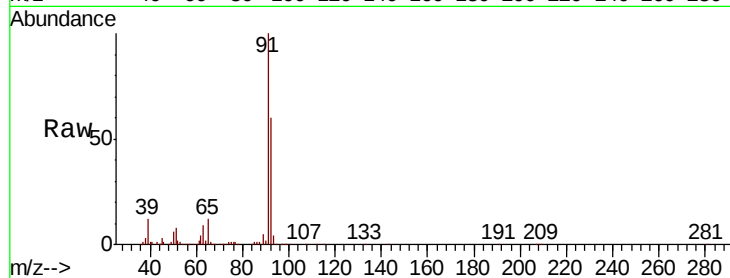
M-12-S

Tgt Ion: 92 Resp: 306393

Ion Ratio Lower Upper

92 100

91 167.8 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 45.668 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008712.D

Acq: 16 Feb 2019 05:16

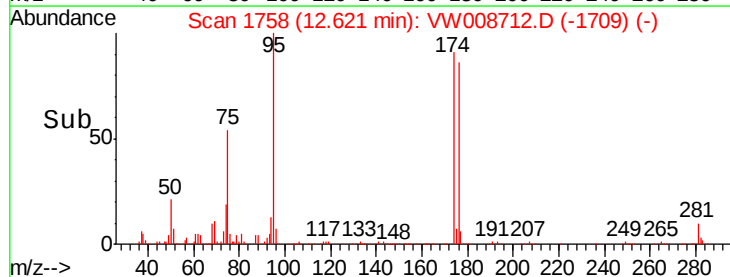
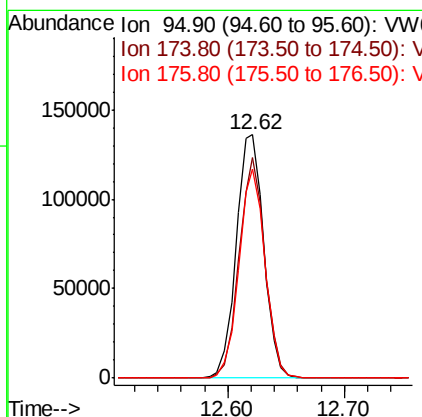
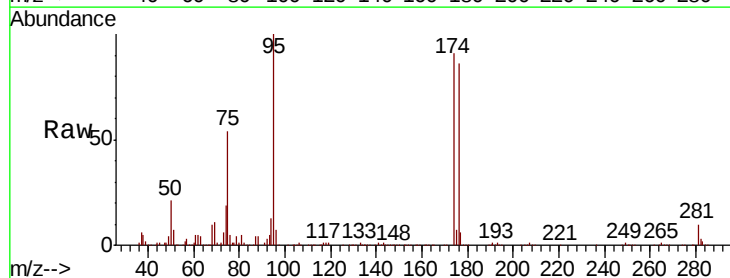
Tgt Ion: 95 Resp: 223025

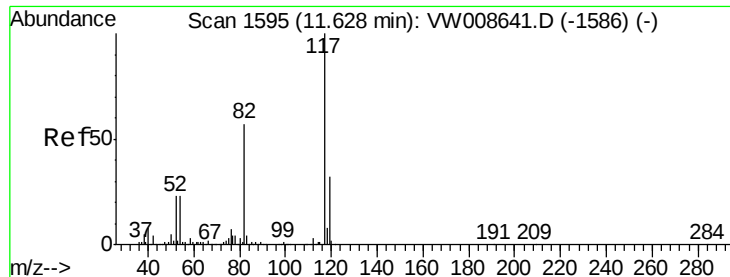
Ion Ratio Lower Upper

95 100

174 84.9 0.0 163.2

176 81.9 0.0 158.0

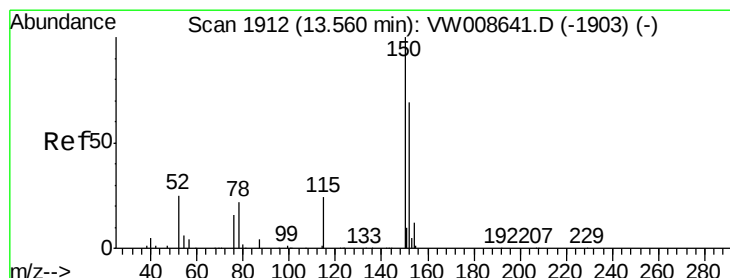
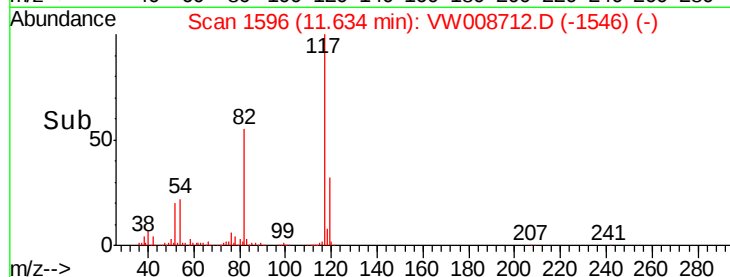
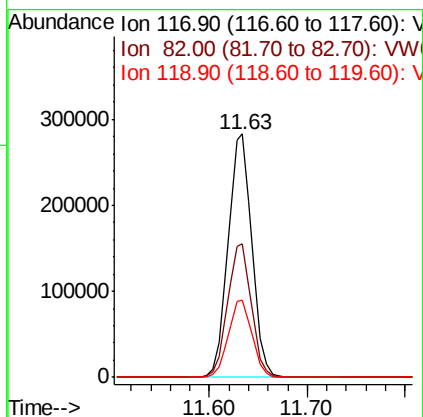
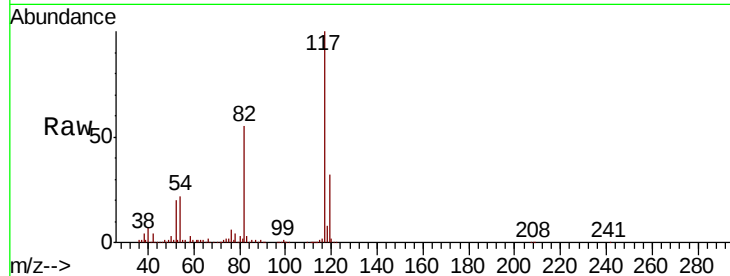




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

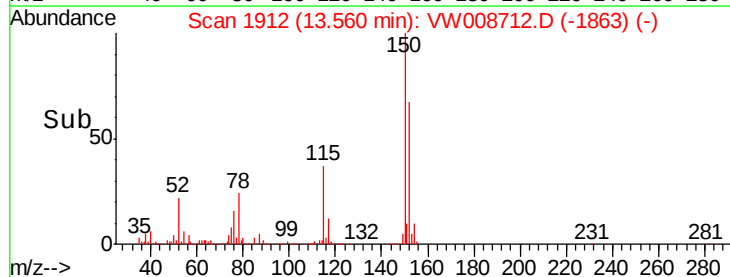
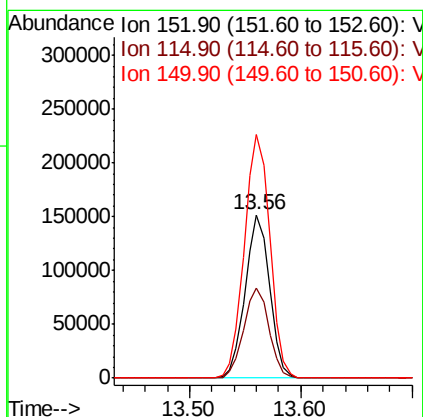
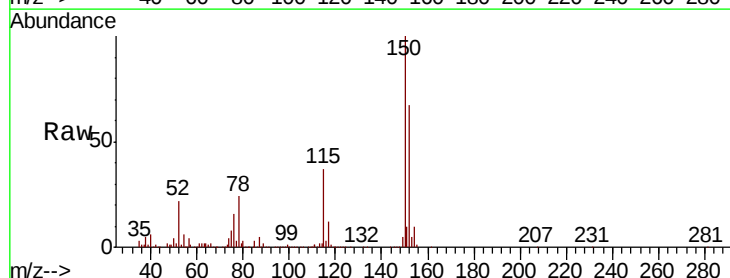
Instrument :
MSVOA_W
ClientSampled :
M-12-S

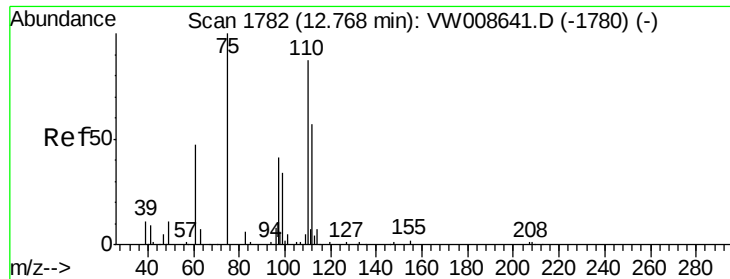
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.6	68.4
119	31.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008712.D
Acq: 16 Feb 2019 05:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	29.3	87.8
150	156.3	0.0	352.8





#76

1,2,3-Trichloropropane

Concen: 51.305 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008712.D

Acq: 16 Feb 2019 05:16

Instrument :

MSVOA_W

ClientSampled :

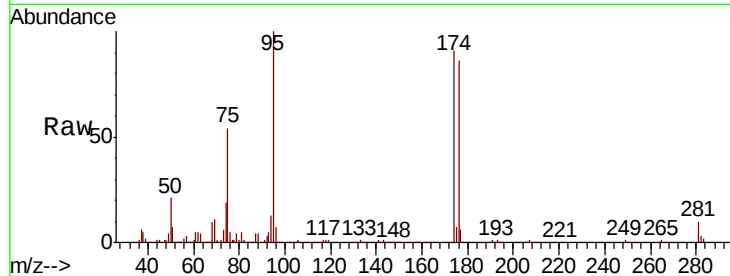
M-12-S

Tgt Ion: 75 Resp: 117366

Ion Ratio Lower Upper

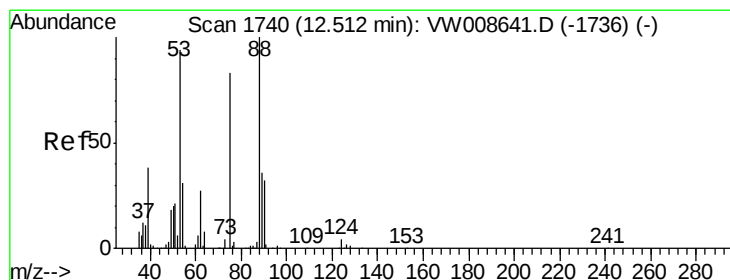
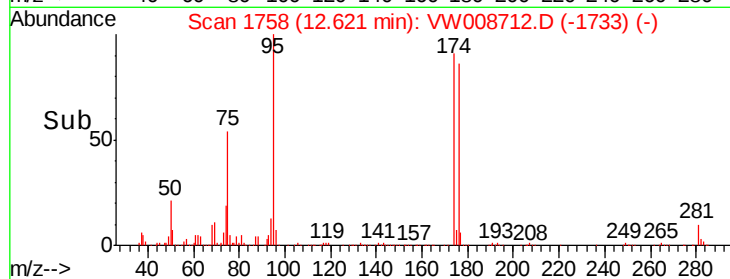
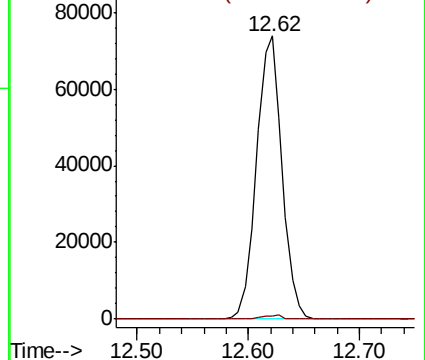
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 109.936 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008712.D

Acq: 16 Feb 2019 05:16

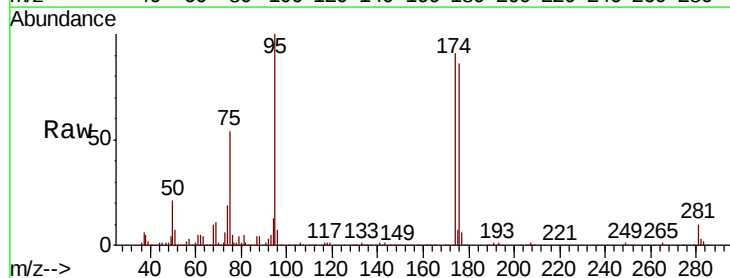
Tgt Ion: 75 Resp: 117366

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.2 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

