

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008672.D
 Acq On : 14 Feb 2019 17:54
 Operator : SY/VA
 Sample : K1484-15RE
 Misc : 4.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-3-DRE

Quant Time: Feb 15 02:50:17 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	390351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	600587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	520320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255421	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	207360	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	183316	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.32	98	711484	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.62	95	247079	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

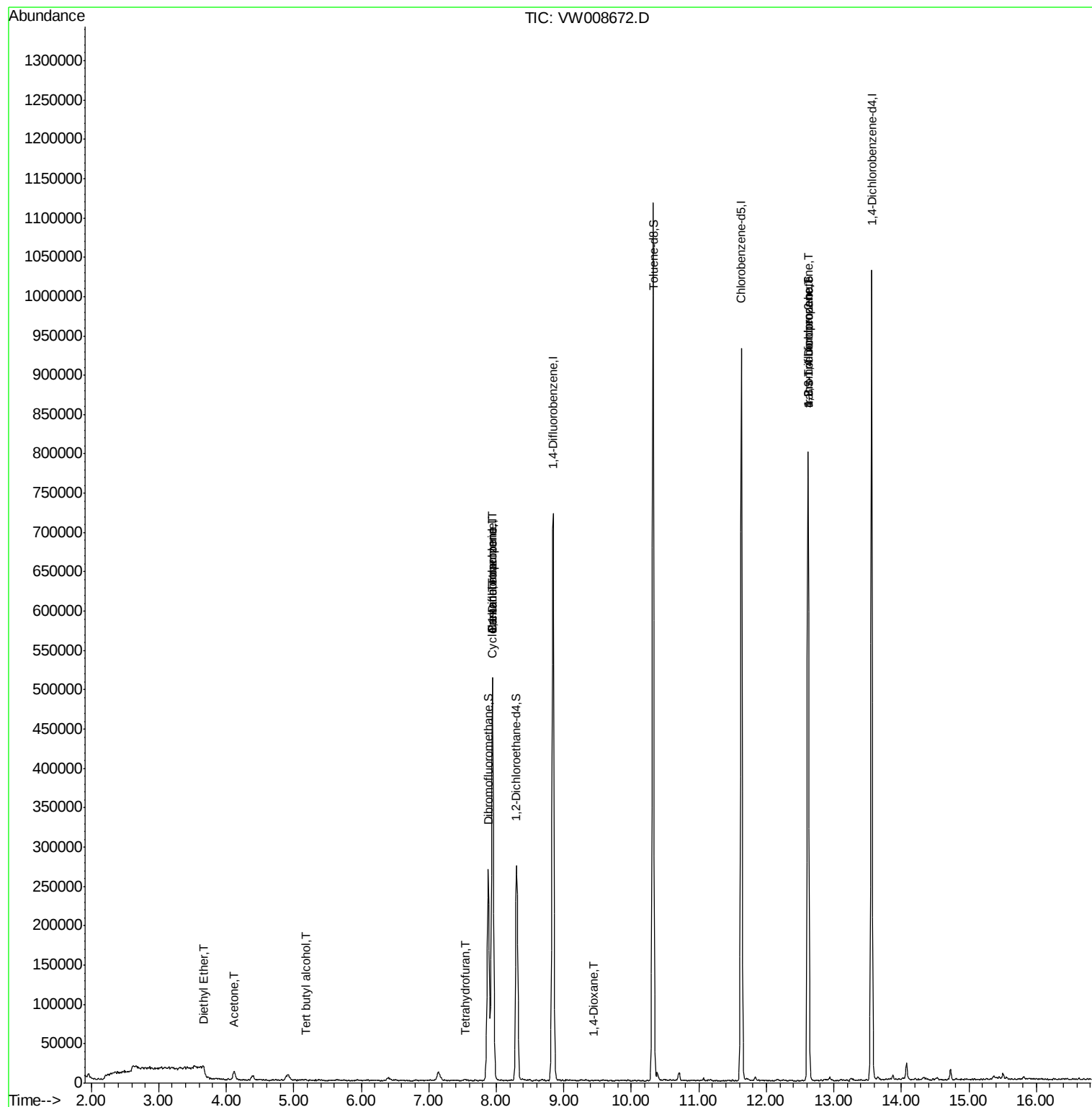
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2974	1.352	ug/l	82
11) Tert butyl alcohol	5.18	59	897	2.763	ug/l #	94
16) Acetone	4.12	43	19148	20.735	ug/l	99
20) Methylene Chloride	4.90	84	2444	Below Cal	#	87
29) Tetrahydrofuran	7.54	42	1546	1.799	ug/l #	81
31) Cyclohexane	7.93	56	9090	1.225	ug/l #	30
36) 1,1-Dichloropropene	7.94	75	29353	4.865	ug/l #	50
38) Carbon Tetrachloride	7.95	117	36666	6.111	ug/l #	16
49) 1,4-Dioxane	9.45	88	75	2.091	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	128301	50.870	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	128301	109.025	ug/l #	6

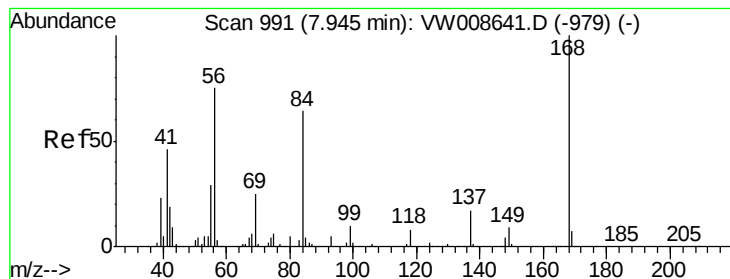
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008672.D

Acq: 14 Feb 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

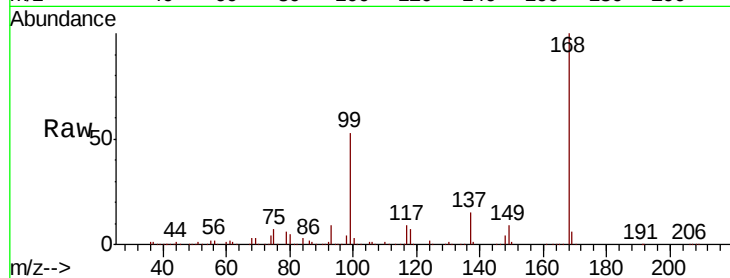
M-3-DRE

Tgt Ion:168 Resp: 390351

Ion Ratio Lower Upper

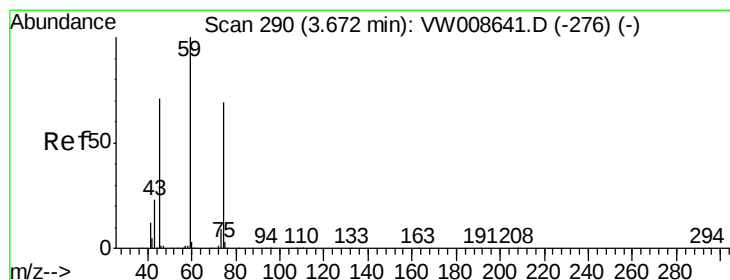
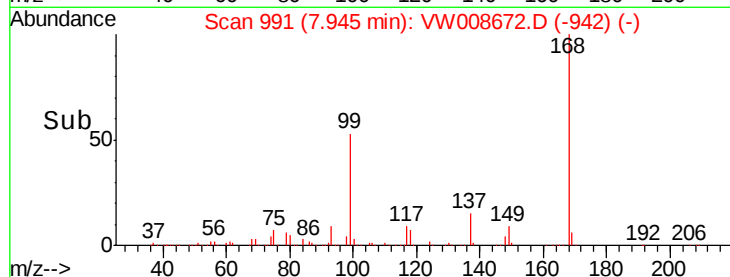
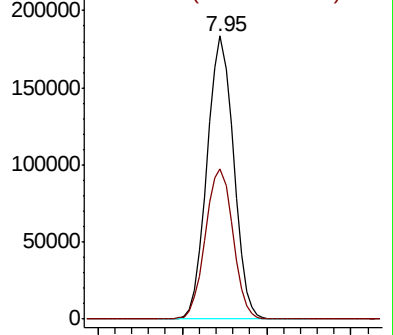
168 100

99 53.0 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: 1.352 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW008672.D

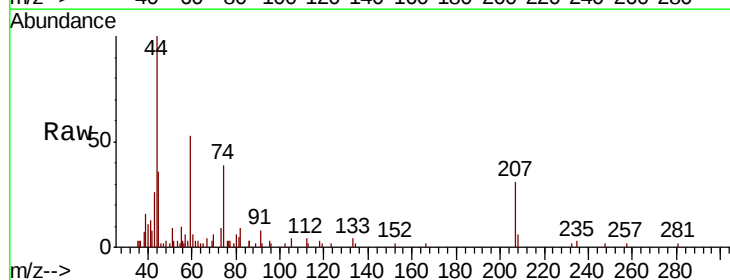
Acq: 14 Feb 2019 17:54

Tgt Ion: 74 Resp: 2974

Ion Ratio Lower Upper

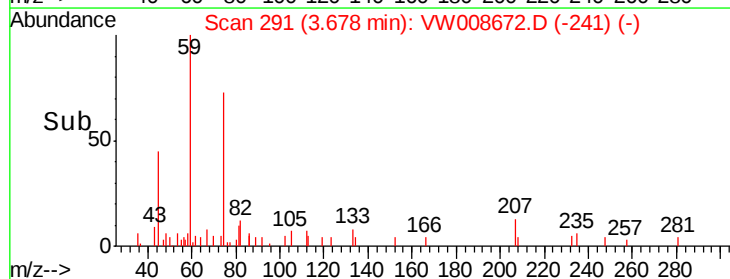
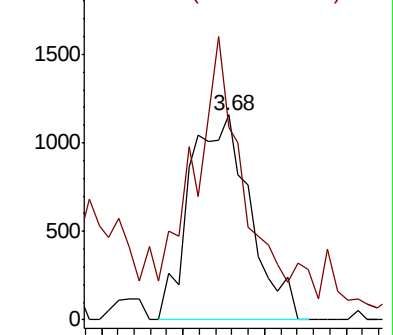
74 100

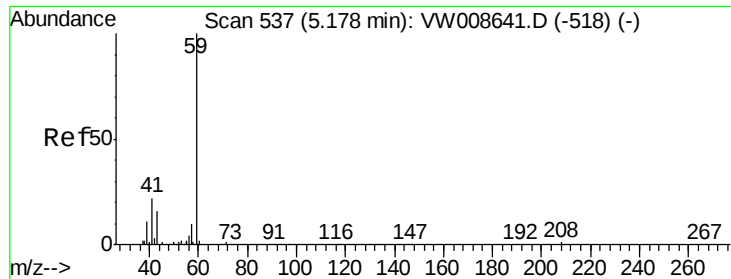
45 82.4 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

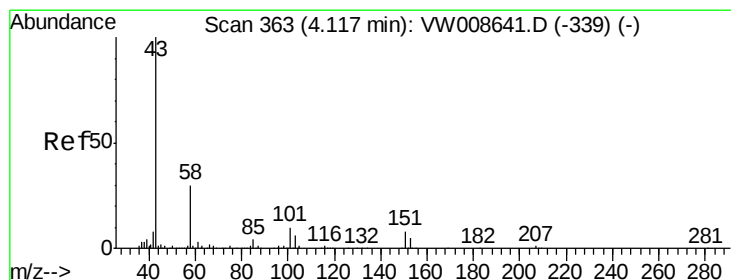
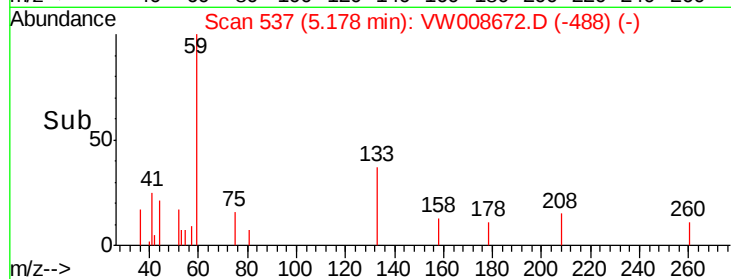
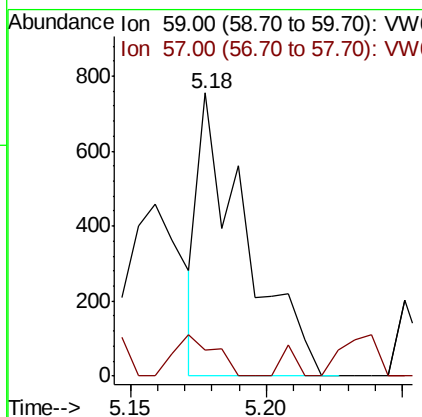
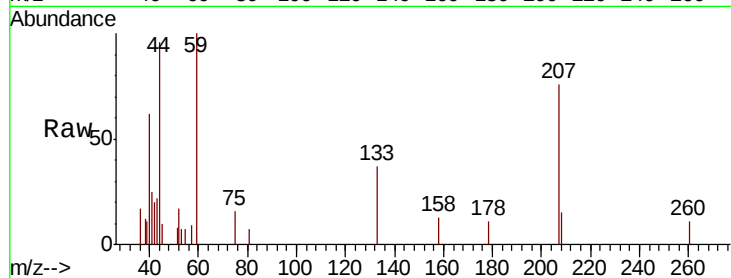




#11
Tert butyl alcohol
Concen: 2.763 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

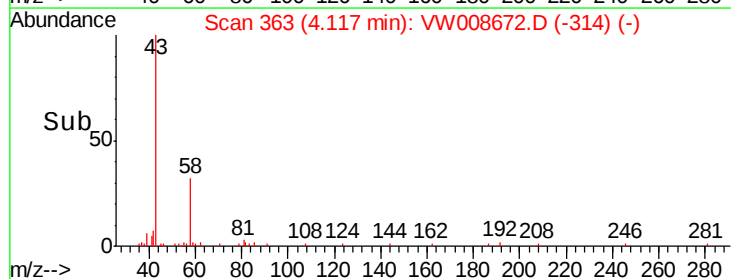
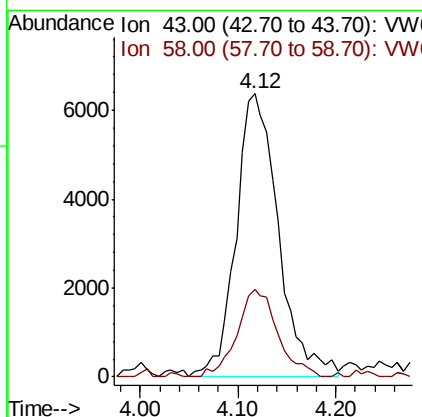
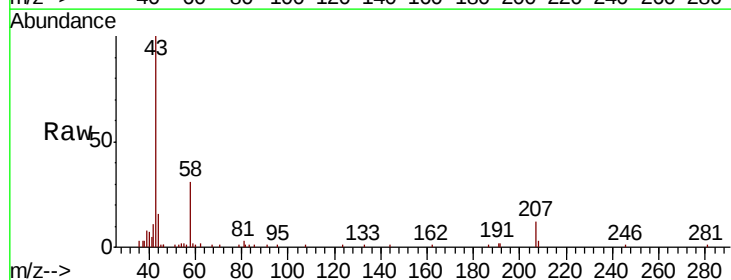
Instrument :
MSVOA_W
ClientSampled :
M-3-DRE

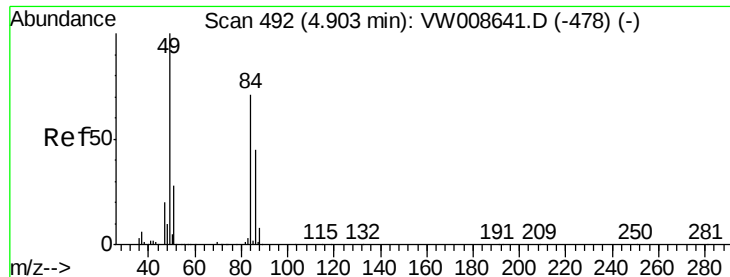
Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 12.8 8.3 12.5#



#16
Acetone
Concen: 20.735 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

Tgt Ion: 43 Resp: 19148
Ion Ratio Lower Upper
43 100
58 30.7 24.1 36.1

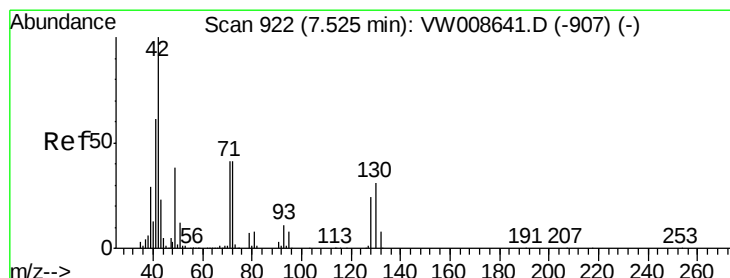
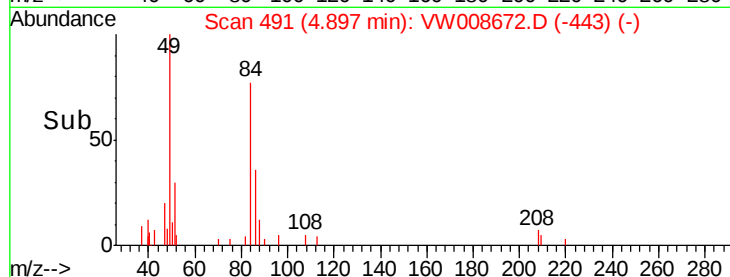
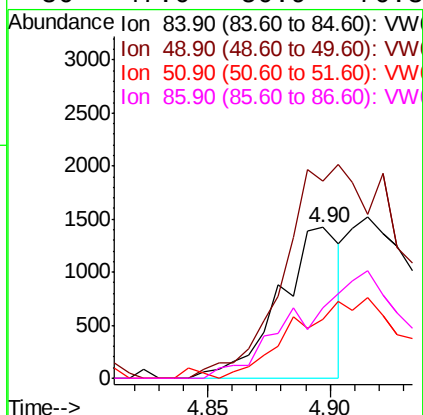
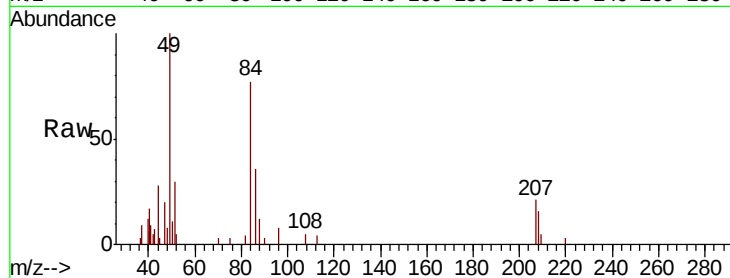




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

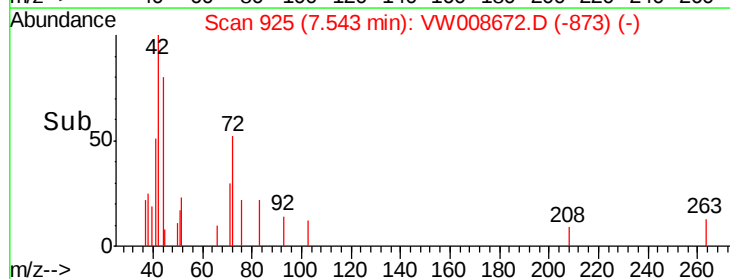
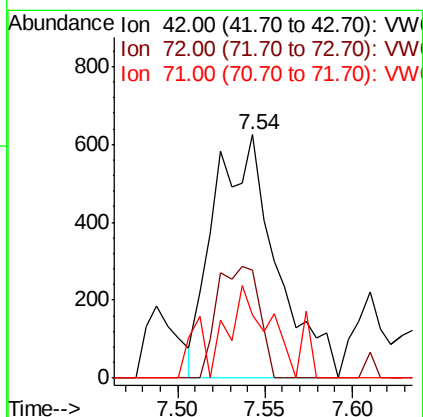
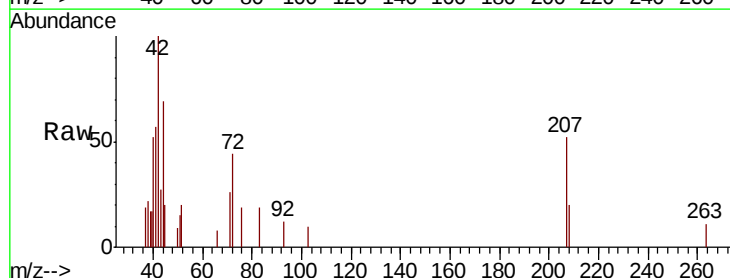
Instrument :
MSVOA_W
ClientSampleId :
M-3-DRE

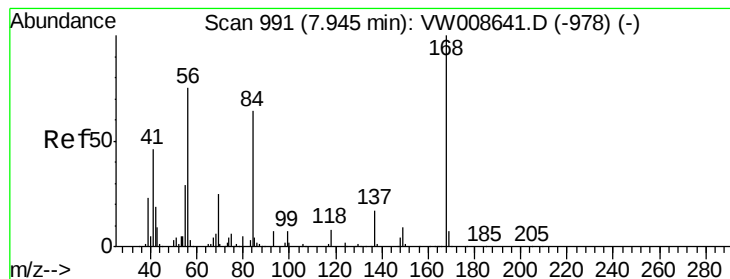
Tgt Ion:	84	Resp:	2444
Ion	Ratio	Lower	Upper
84	100		
49	130.6	113.3	169.9
51	32.5	32.1	48.1
86	47.0	50.9	76.3#



#29
Tetrahydrofuran
Concen: 1.799 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

Tgt Ion:	42	Resp:	1546
Ion	Ratio	Lower	Upper
42	100		
72	31.1	32.2	48.2#
71	24.1	31.0	46.6#





#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.01 min

Lab File: VW008672.D

Acq: 14 Feb 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

M-3-DRE

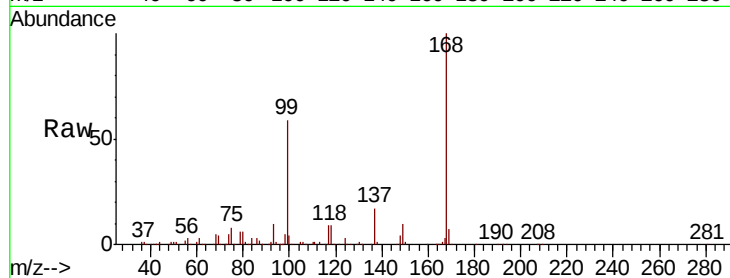
Tgt Ion: 56 Resp: 9090

Ion Ratio Lower Upper

56 100

69 143.7 26.4 39.6#

84 103.1 67.4 101.2#

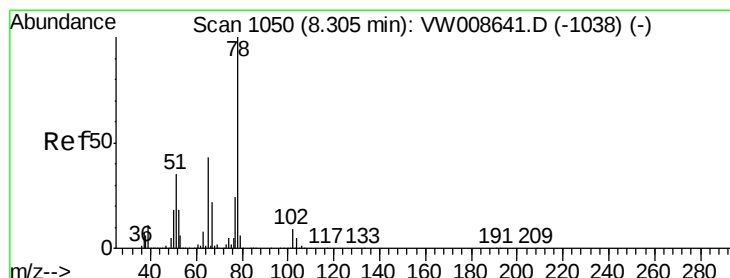
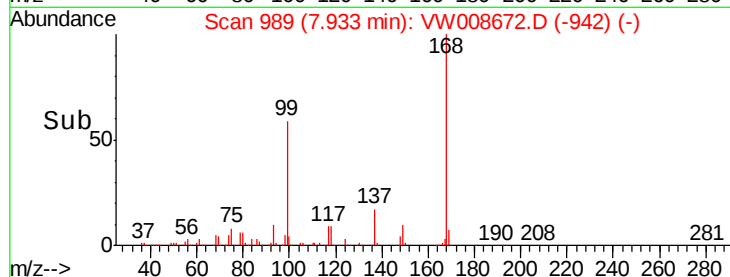
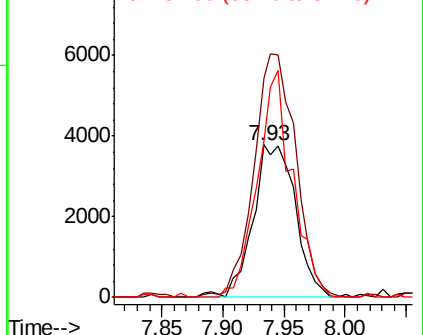


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.096 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008672.D

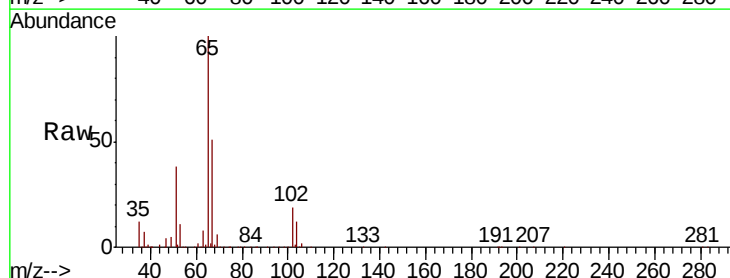
Acq: 14 Feb 2019 17:54

Tgt Ion: 65 Resp: 207360

Ion Ratio Lower Upper

65 100

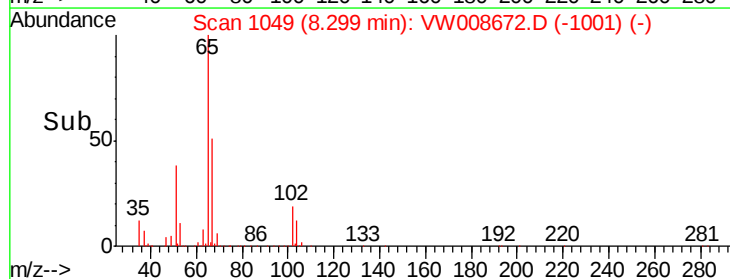
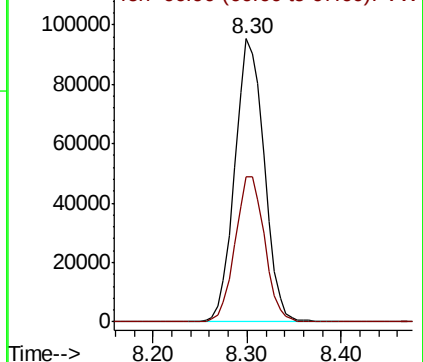
67 51.6 0.0 102.0

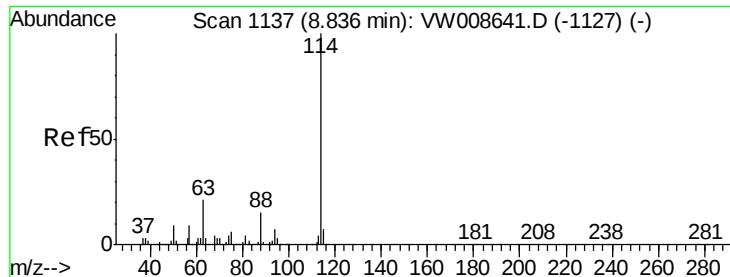


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

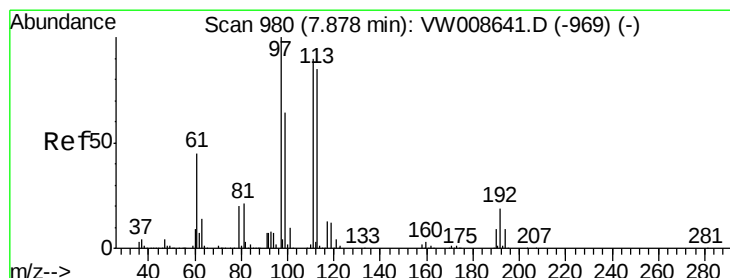
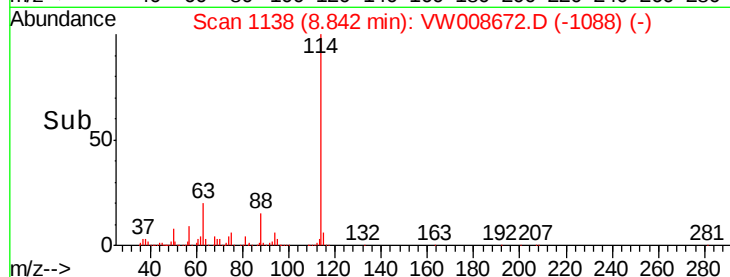
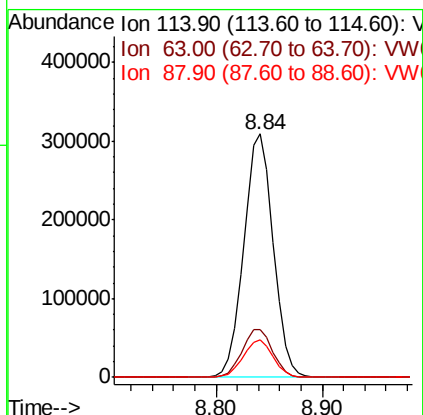
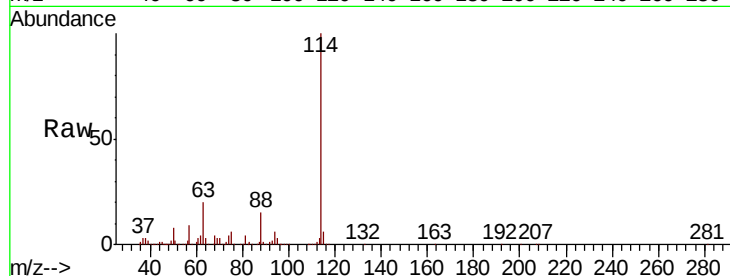




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008672.D
 Acq: 14 Feb 2019 17:54

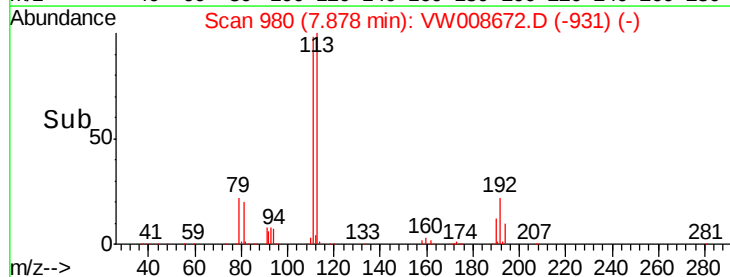
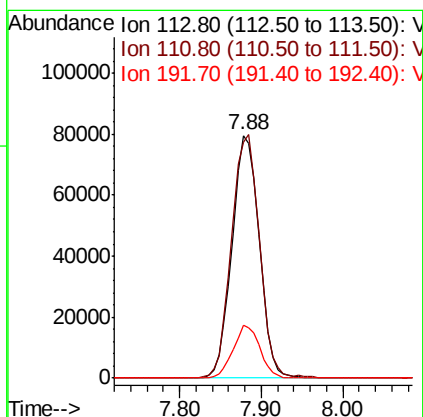
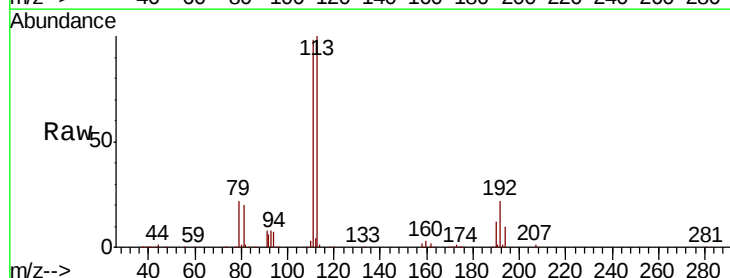
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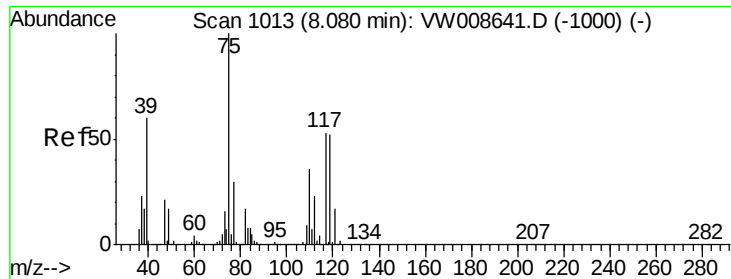
Tgt Ion:114 Resp: 600587
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.2
 88 15.3 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 49.156 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008672.D
 Acq: 14 Feb 2019 17:54

Tgt Ion:113 Resp: 183316
 Ion Ratio Lower Upper
 113 100
 111 103.0 84.0 126.0
 192 21.4 17.4 26.2

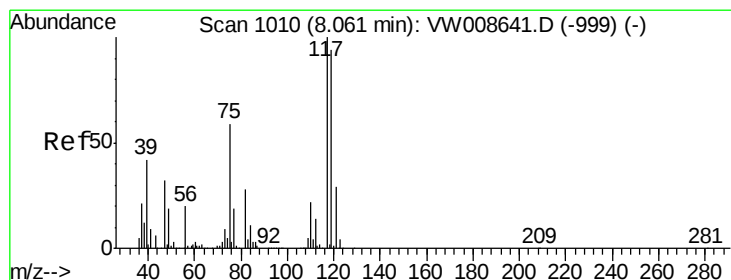
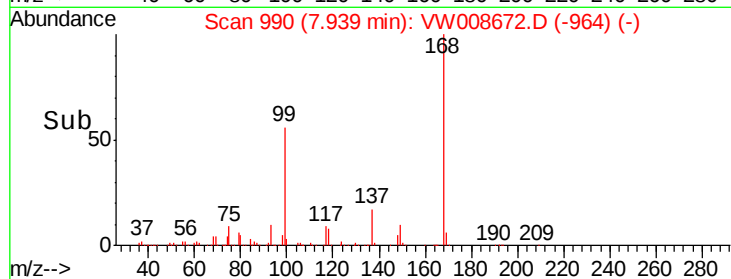
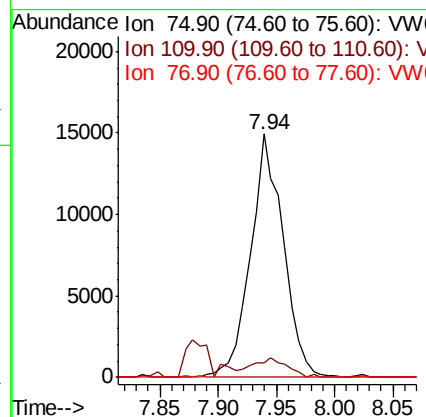
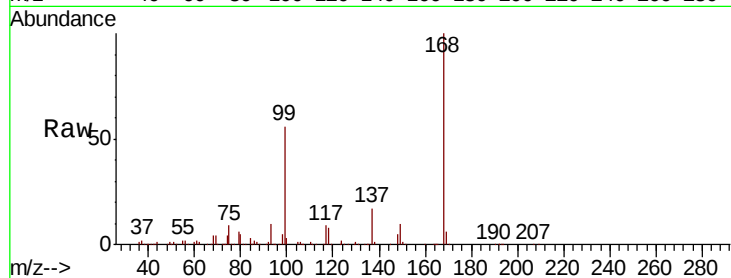




#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008672.D
 Acq: 14 Feb 2019 17:54

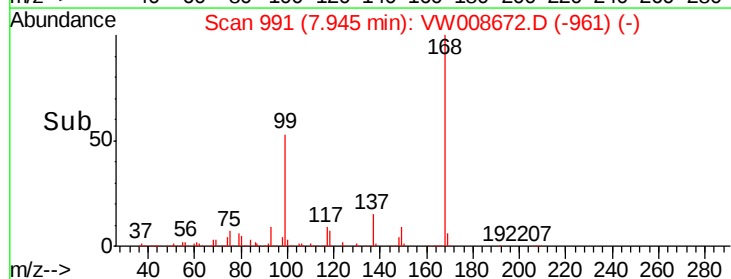
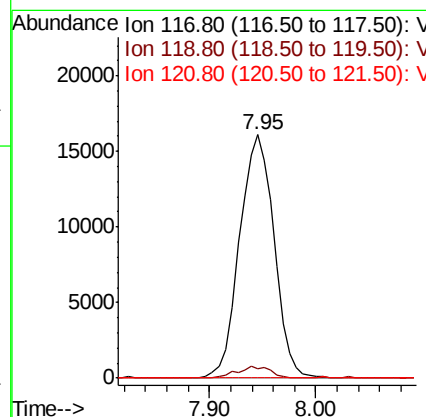
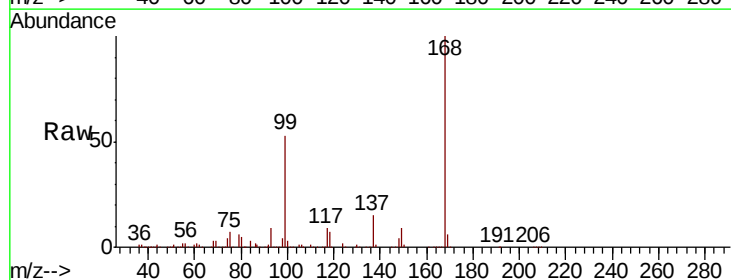
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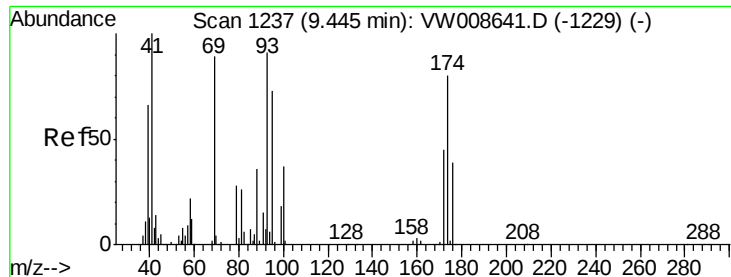
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.3#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008672.D
 Acq: 14 Feb 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.1	112.7#
121	0.0	23.5	35.3#

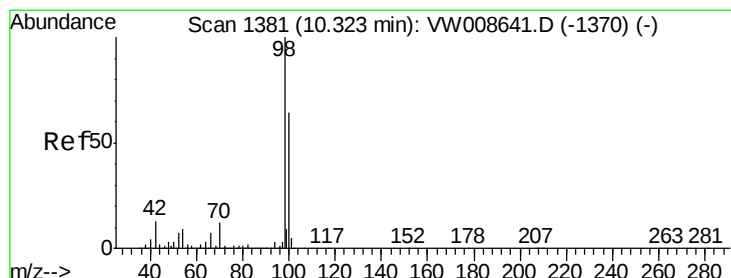
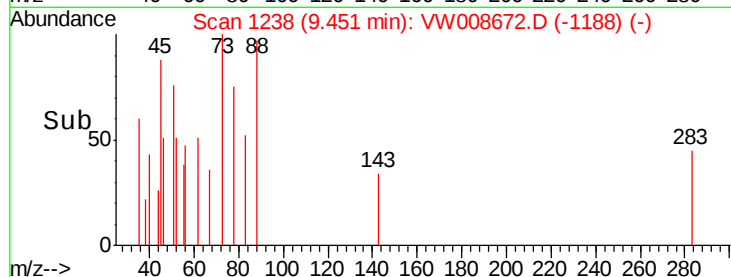
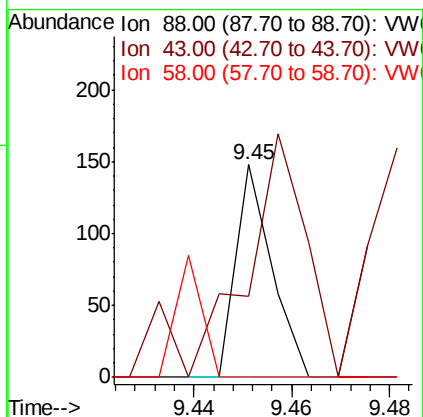
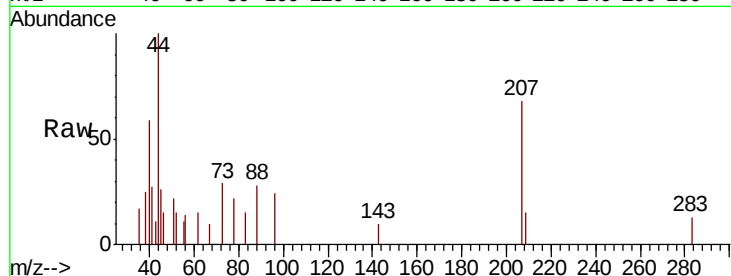




#49
1,4-Dioxane
Concen: 2.091 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

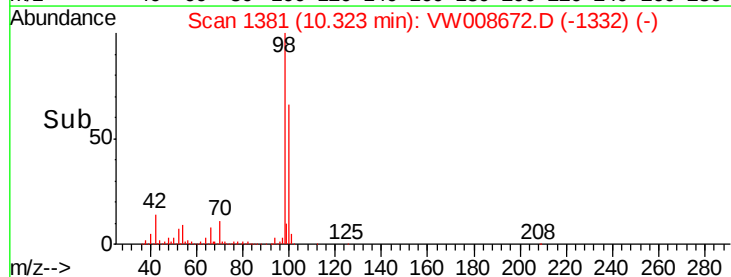
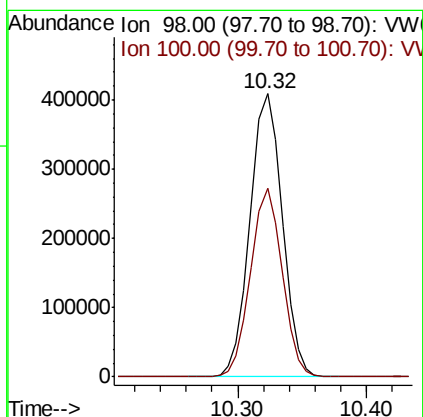
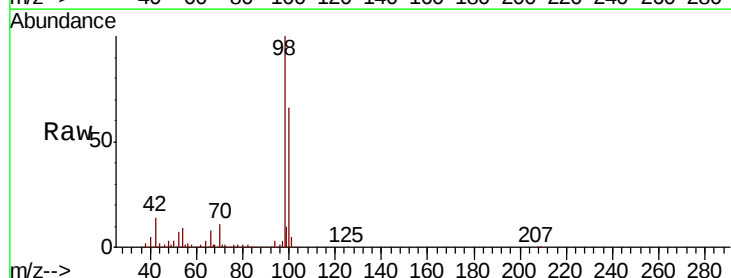
Instrument :
MSVOA_W
ClientSampled :
M-3-DRE

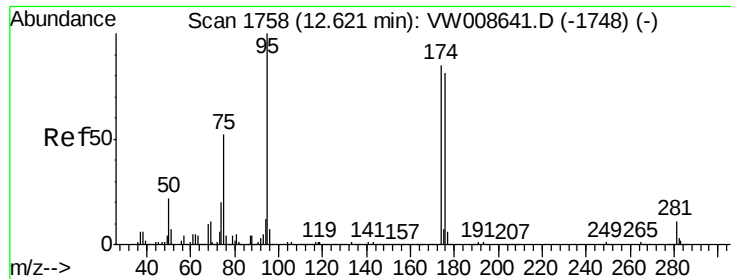
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 209.3 31.0 46.6#
58 41.3 57.0 85.6#



#50
Toluene-d8
Concen: 49.491 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

Tgt Ion: 98 Resp: 711484
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.629 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008672.D

Acq: 14 Feb 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

M-3-DRE

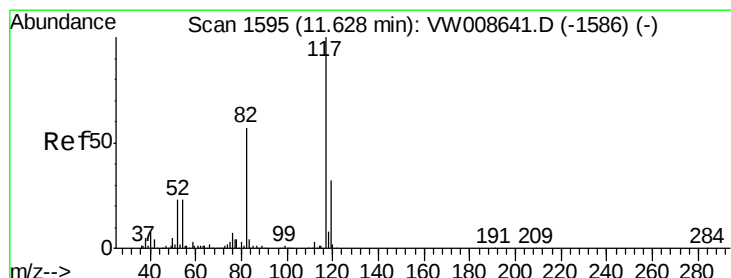
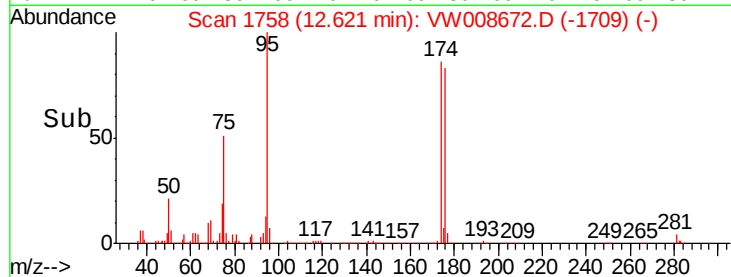
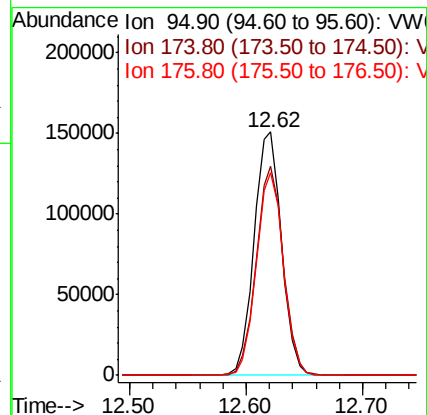
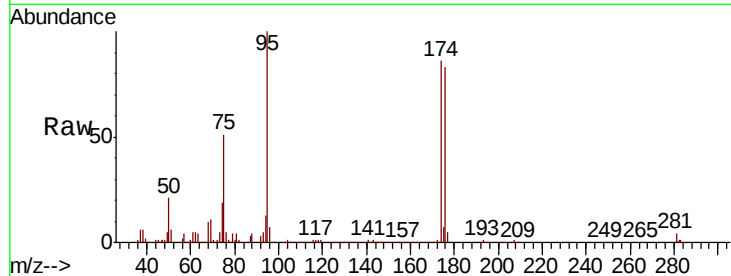
Tgt Ion: 95 Resp: 247079

Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.2

176 82.3 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: VW008672.D

Acq: 14 Feb 2019 17:54

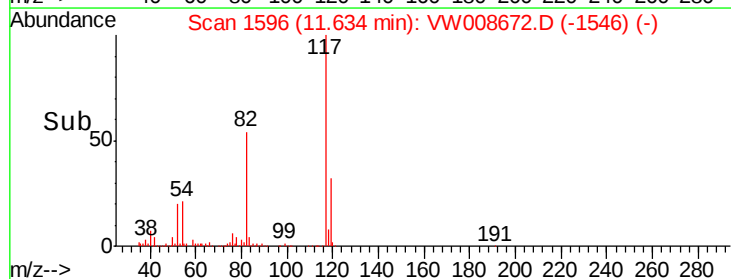
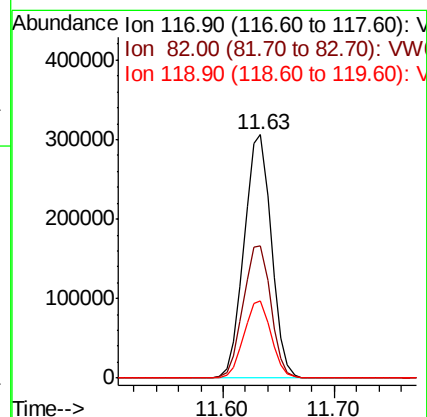
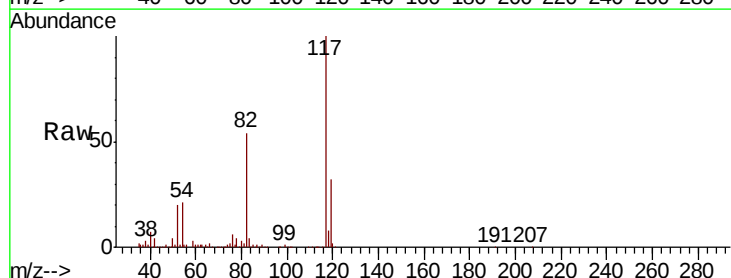
Tgt Ion: 117 Resp: 520320

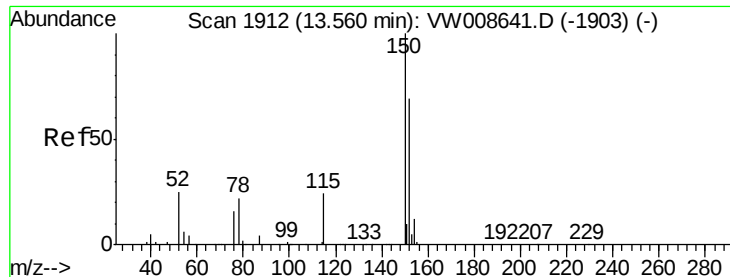
Ion Ratio Lower Upper

117 100

82 54.4 45.6 68.4

119 31.6 25.7 38.5



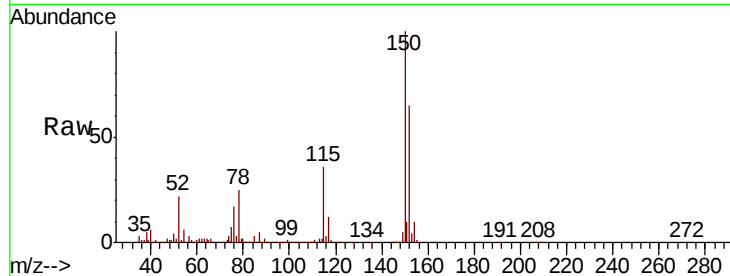


#72

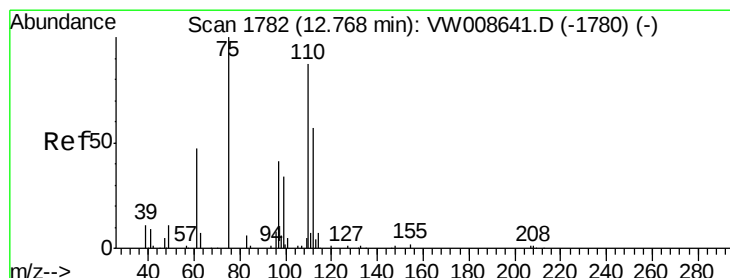
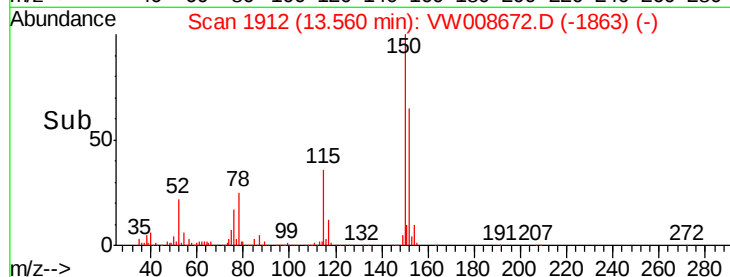
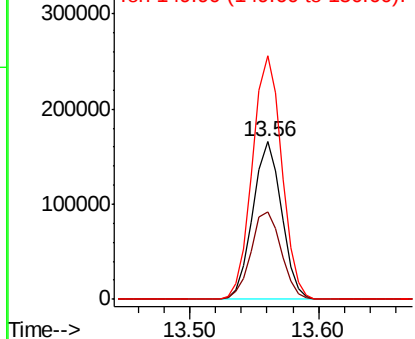
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

Instrument :
MSVOA_W
ClientSampleId :
M-3-DRE

Tgt Ion: 152 Resp: 255421
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.8
150 157.5 0.0 352.8



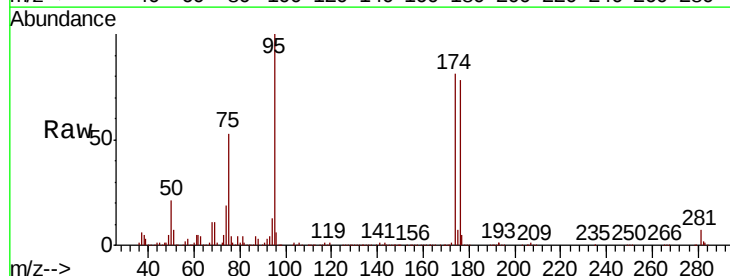
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



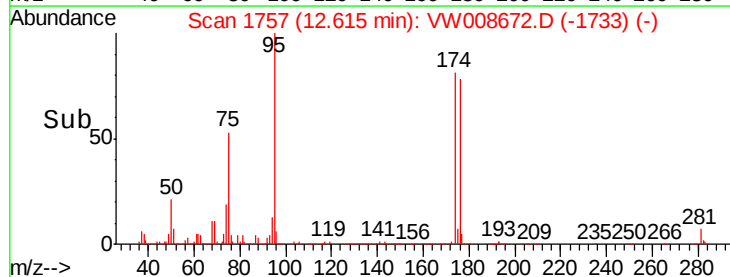
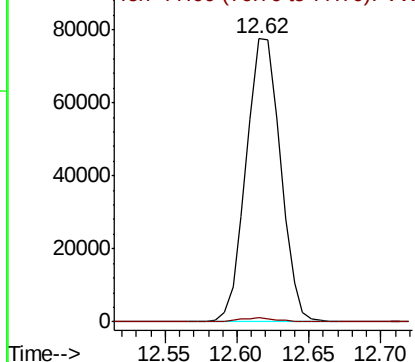
#76

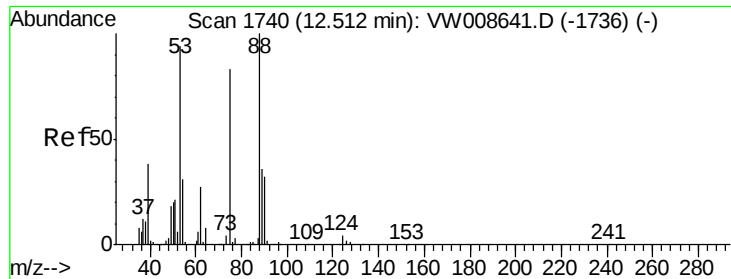
1,2,3-Trichloropropane
Concen: 50.870 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008672.D
Acq: 14 Feb 2019 17:54

Tgt Ion: 75 Resp: 128301
Ion Ratio Lower Upper
75 100
77 1.5 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: 109.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008672.D

Acq: 14 Feb 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

M-3-DRE

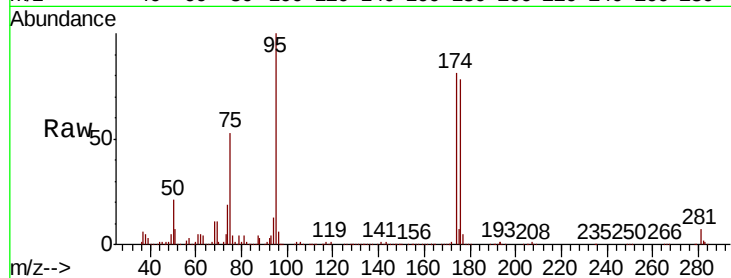
Tgt Ion: 75 Resp: 128301

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 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

