

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008111.D
 Acq On : 09 Jan 2019 18:50
 Operator : SY/AP
 Sample : K1074-12
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 W12-6

Quant Time: Jan 10 05:59:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	51486	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
35) Dibromofluoromethane	7.88	113	46473	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
50) Toluene-d8	10.32	98	188263	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	61795	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	

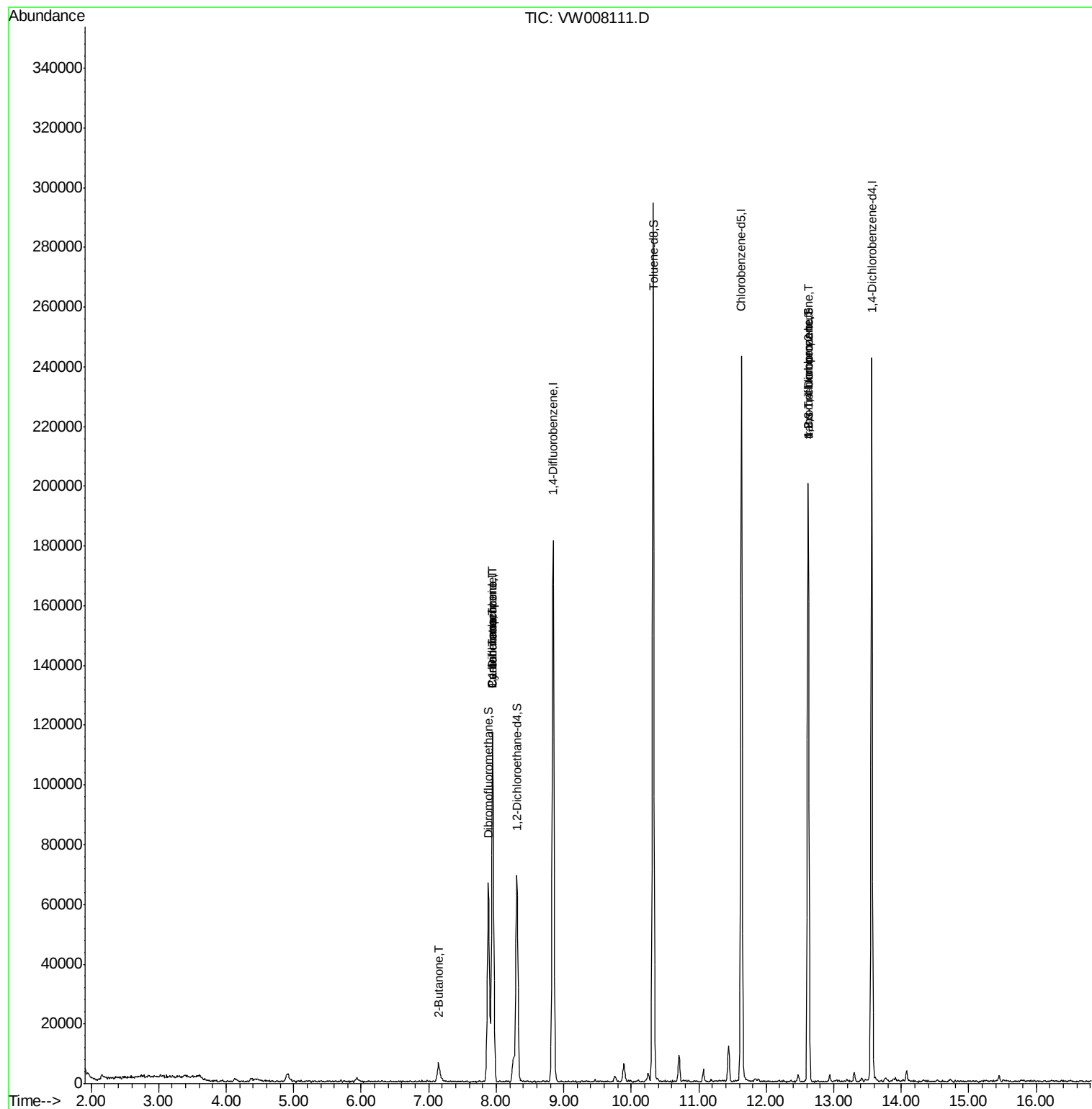
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.29	59	73	Below Cal	#	100
13) Acrolein	3.79	56	42	Below Cal	#	14
16) Acetone	4.15	43	1487	Below Cal	#	87
20) Methylene Chloride	4.90	84	1858	Below Cal	#	72
25) 2-Butanone	7.15	43	579	2.172	ug/l #	49
31) Cyclohexane	7.94	56	2023	1.003	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	7240	4.627	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8609	6.011	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	31585	57.668	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31585	134.291	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampled :

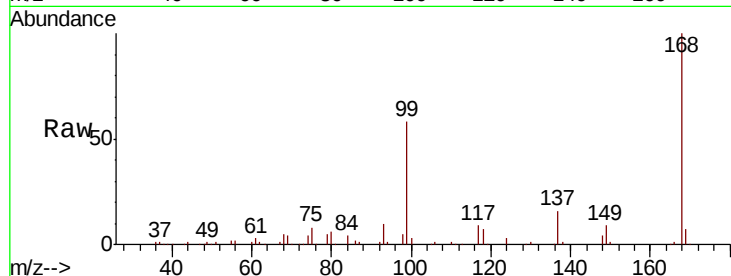
W12-6

Tgt Ion: 168 Resp: 85265

Ion Ratio Lower Upper

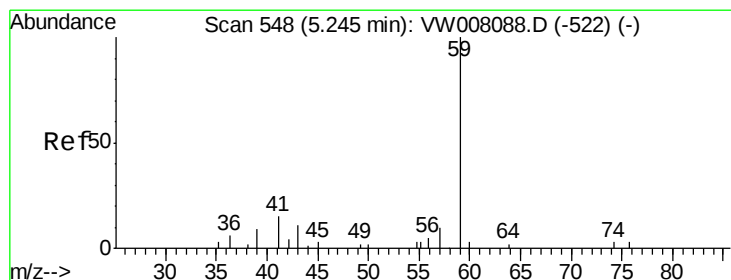
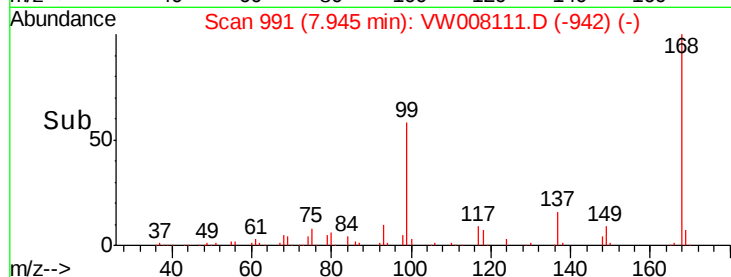
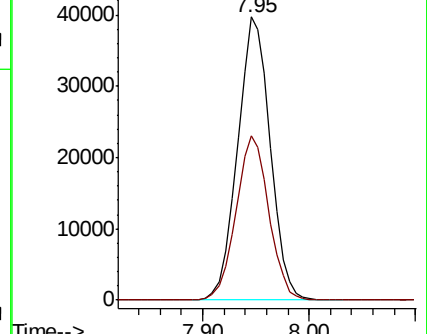
168 100

99 57.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.29 min Scan# 555

Delta R.T. 0.04 min

Lab File: VW008111.D

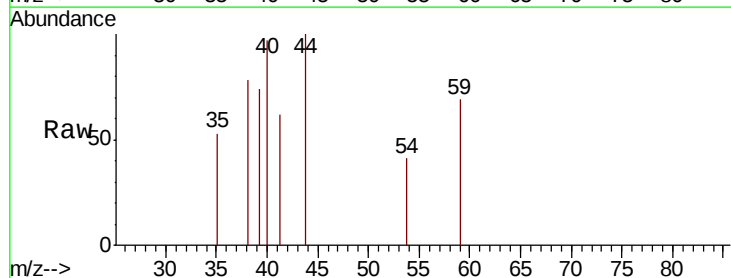
Acq: 09 Jan 2019 18:50

Tgt Ion: 59 Resp: 73

Ion Ratio Lower Upper

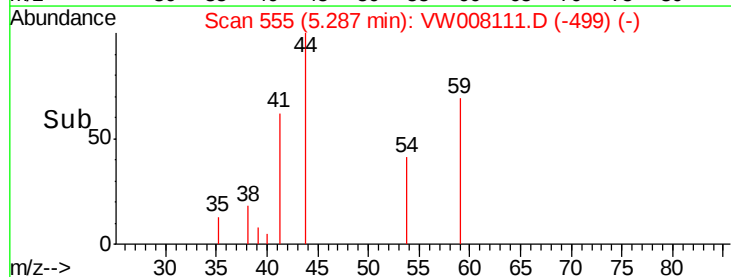
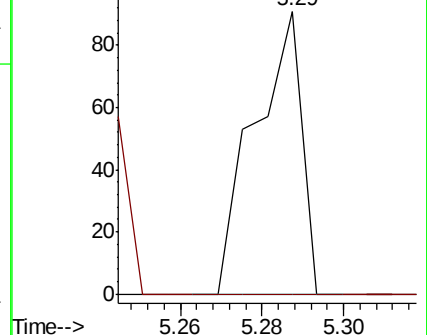
59 100

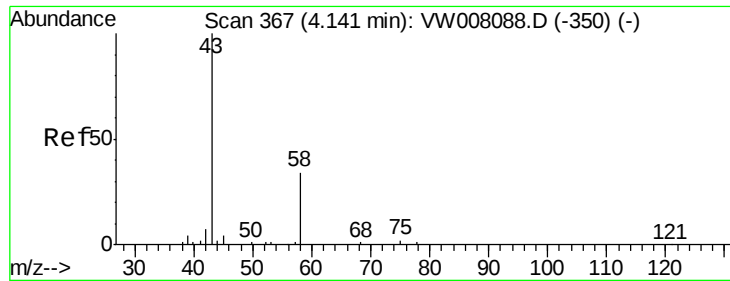
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampled :

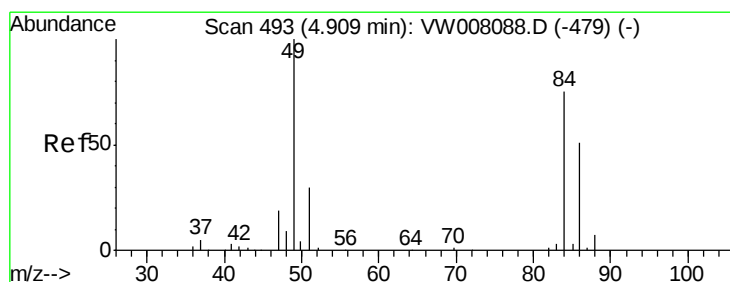
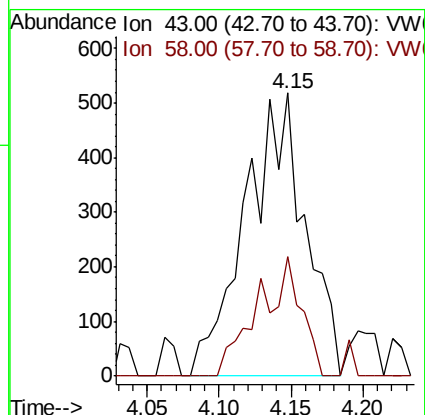
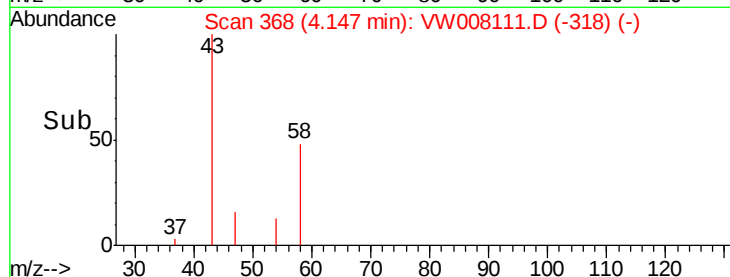
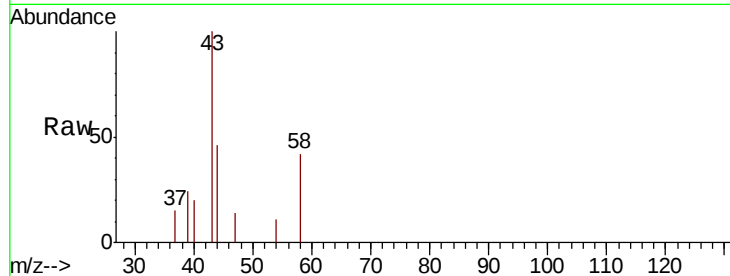
W12-6

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

58 42.1 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Tgt Ion: 84 Resp: 1858

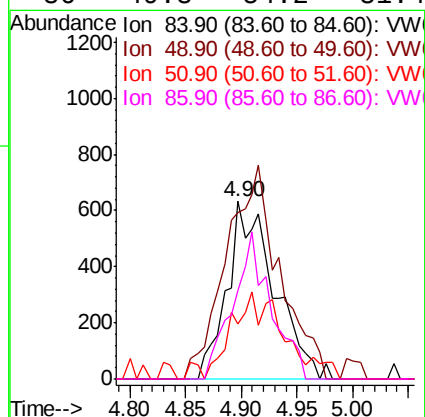
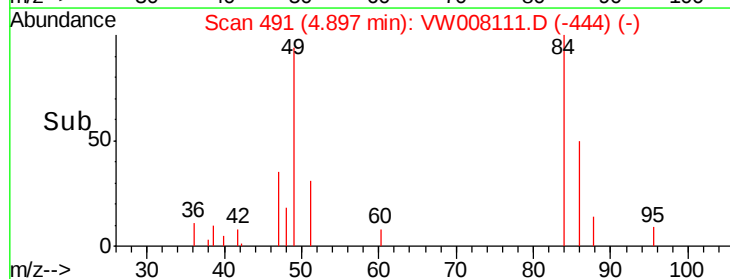
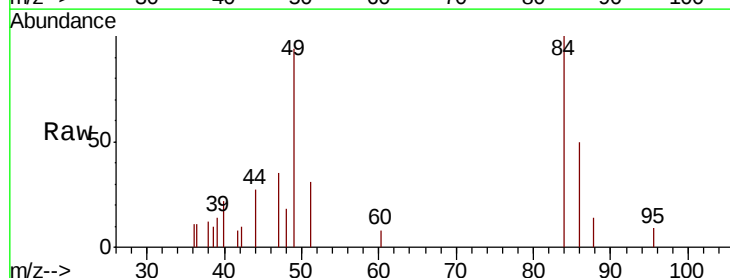
Ion Ratio Lower Upper

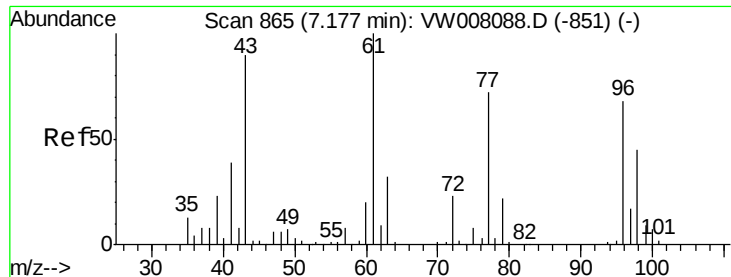
84 100

49 93.5 107.1 160.7#

51 31.2 32.4 48.6#

86 49.8 54.2 81.4#

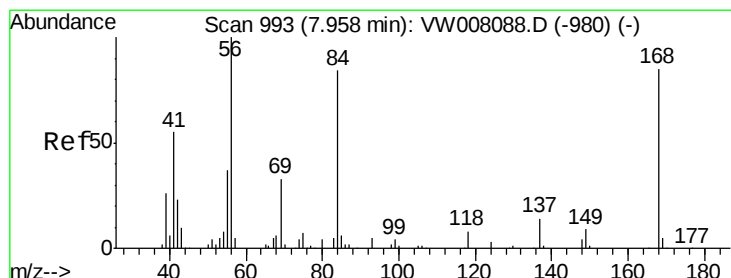
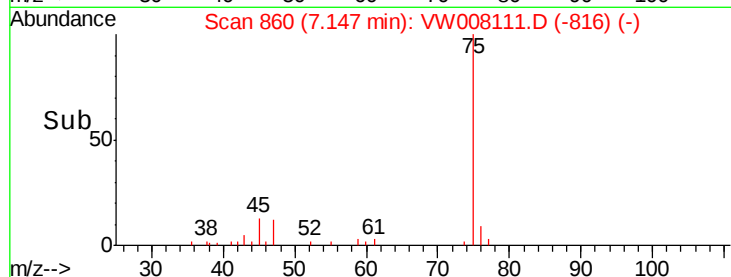
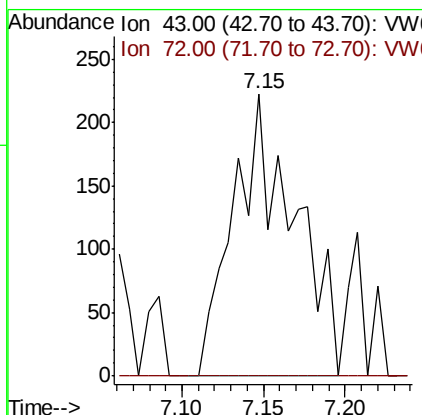
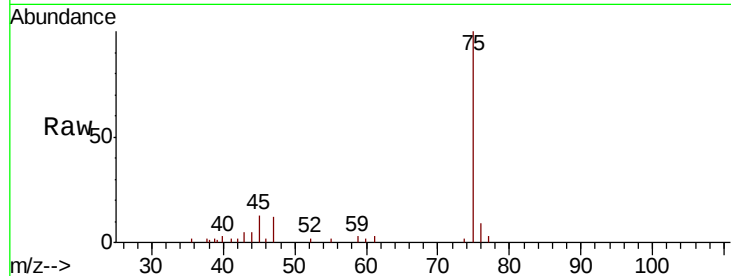




#25
2-Butanone
Concen: 2.172 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW008111.D
Acq: 09 Jan 2019 18:50

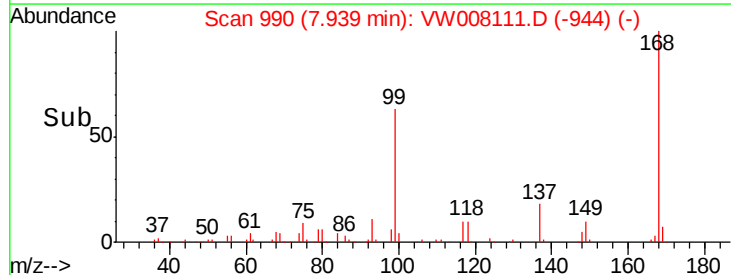
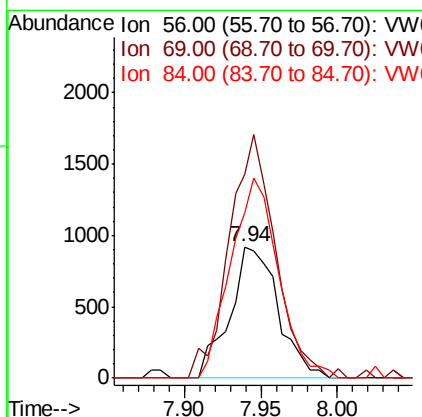
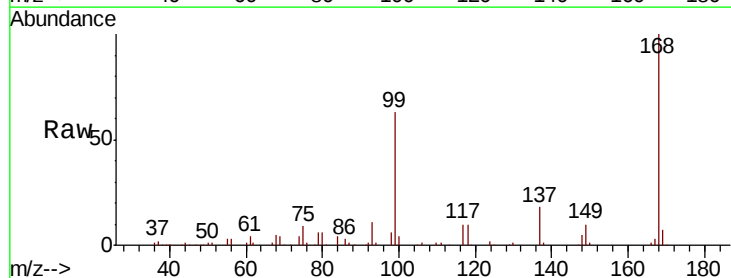
Instrument :
MSVOA_W
ClientSampled :
W12-6

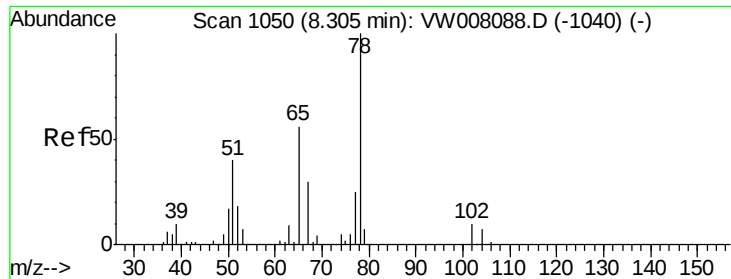
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008111.D
Acq: 09 Jan 2019 18:50

Tgt Ion: 56 Resp: 2023
Ion Ratio Lower Upper
56 100
69 155.4 26.2 39.4#
84 125.8 67.4 101.2#

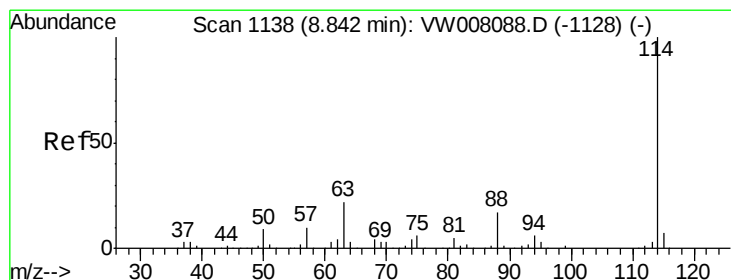
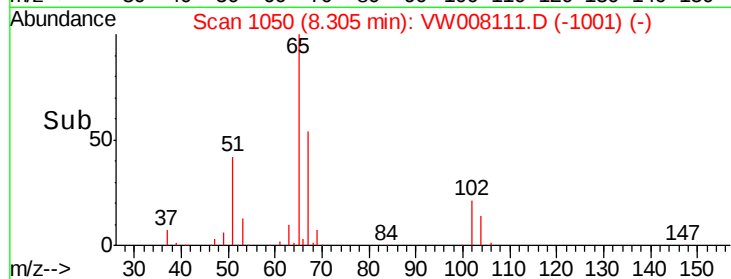
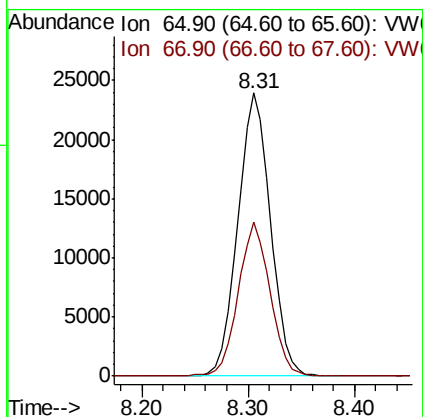
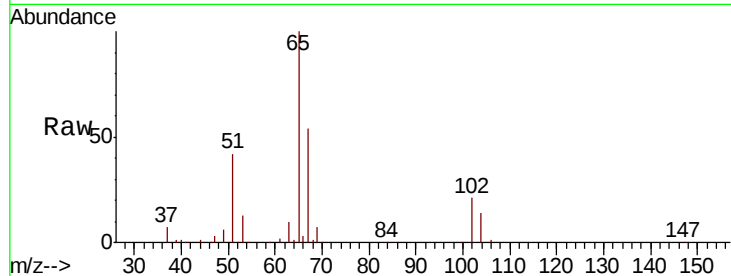




#33
 1,2-Dichloroethane-d4
 Concen: 53.726 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008111.D
 Acq: 09 Jan 2019 18:50

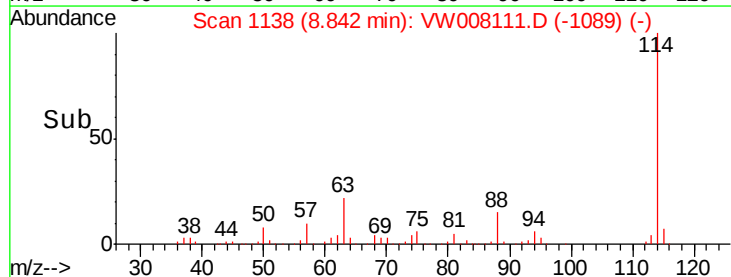
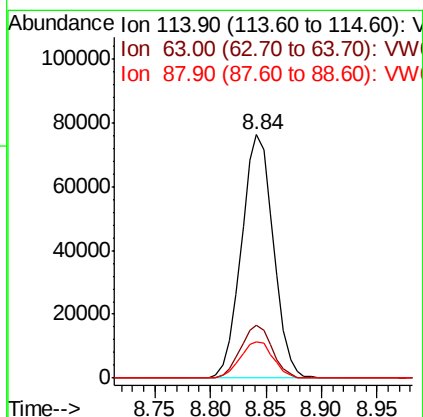
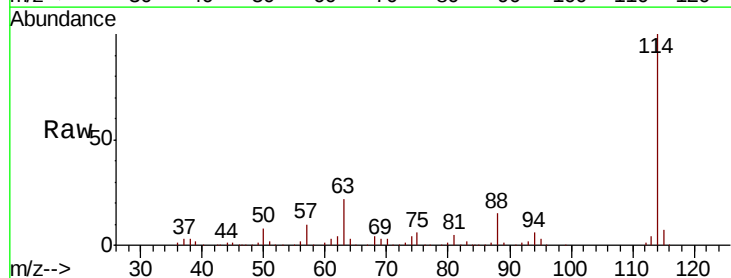
Instrument :
 MSVOA_W
 ClientSampled :
 W12-6

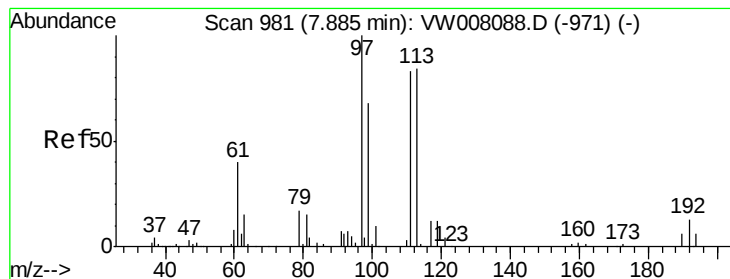
Tgt Ion: 65 Resp: 51486
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008111.D
 Acq: 09 Jan 2019 18:50

Tgt Ion: 114 Resp: 151905
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 14.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.454 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

W12-6

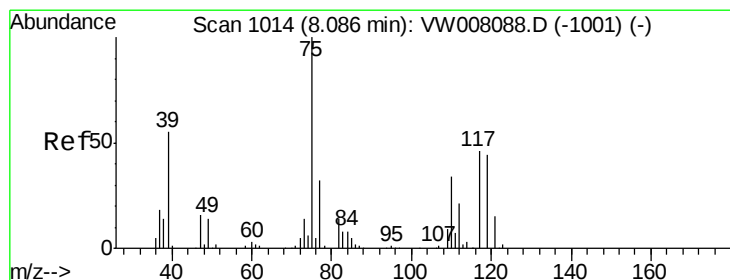
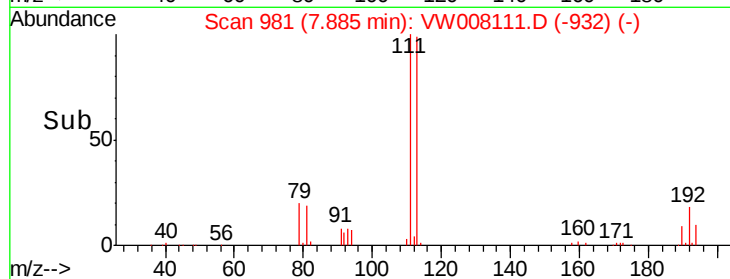
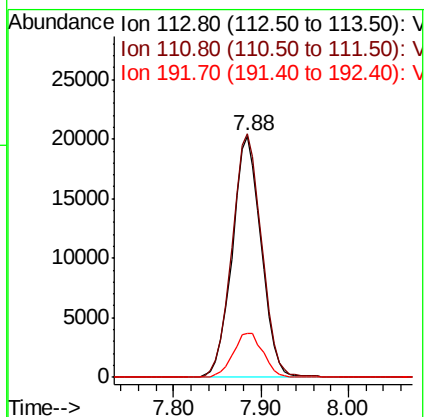
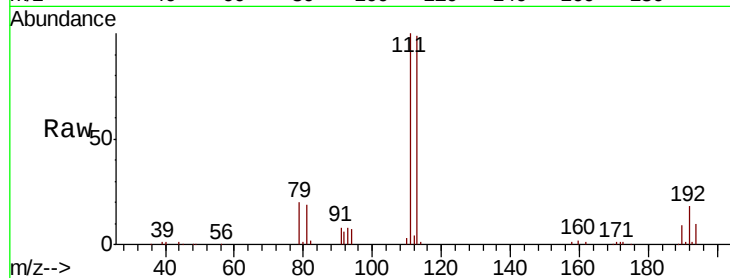
Tgt Ion:113 Resp: 46473

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

192 18.9 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.627 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

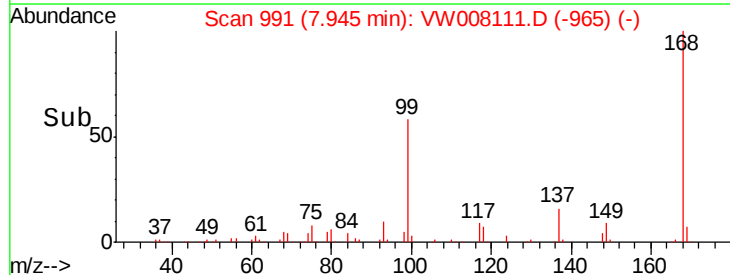
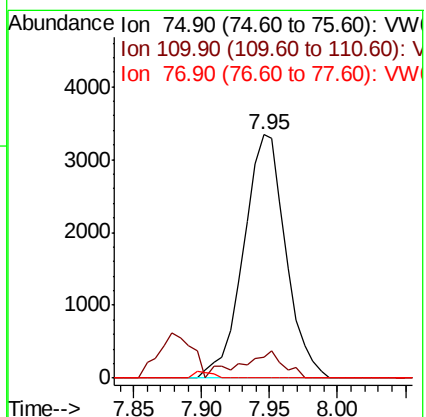
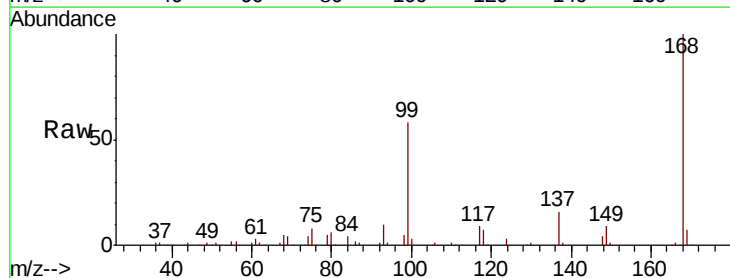
Tgt Ion: 75 Resp: 7240

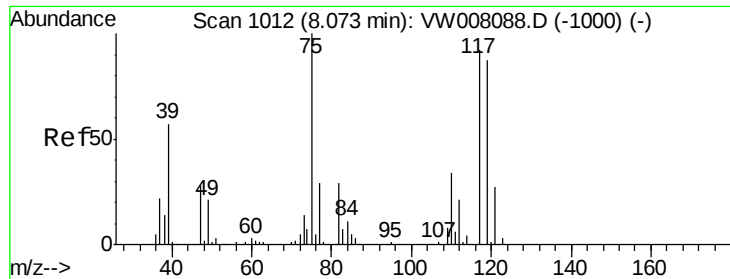
Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.3#

77 0.0 25.5 38.3#

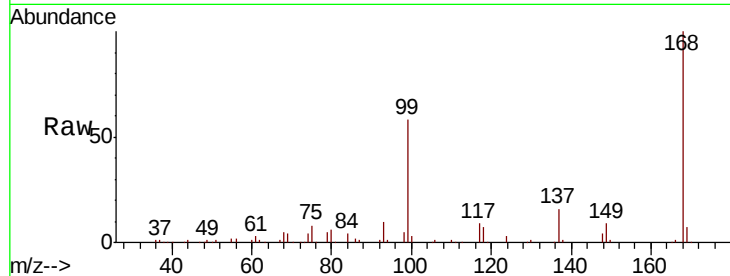




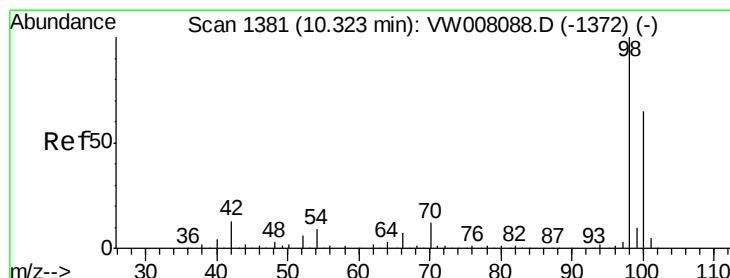
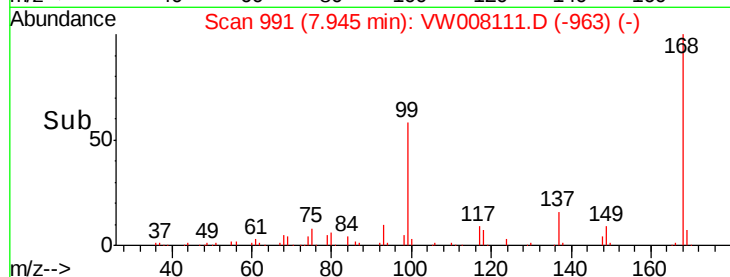
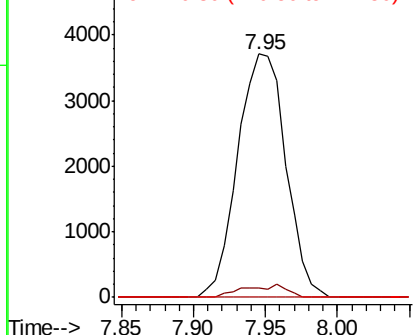
#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008111.D
Acq: 09 Jan 2019 18:50

Instrument :
MSVOA_W
ClientSampleId :
W12-6

Tgt Ion: 117 Resp: 8609
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 23.7 35.5#

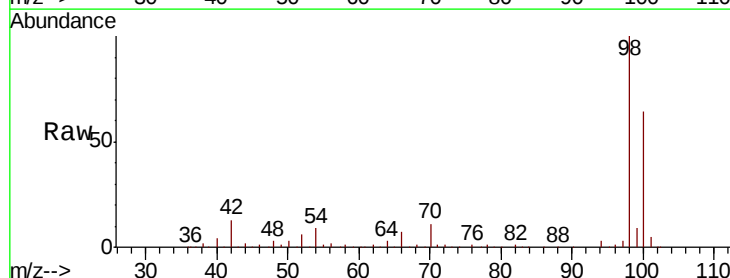


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

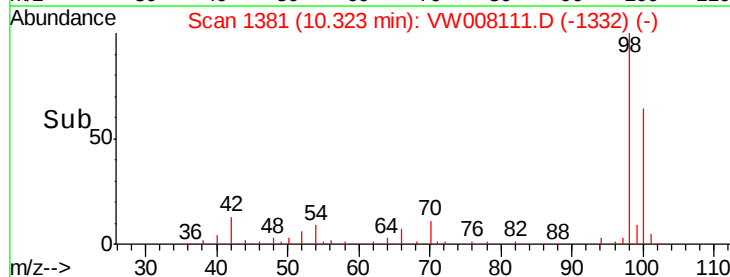
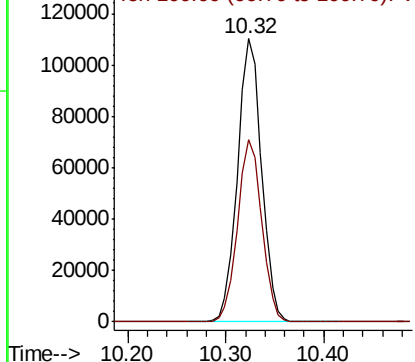


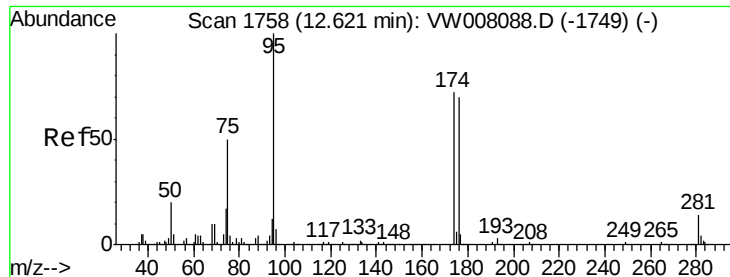
#50
Toluene-d8
Concen: 50.637 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008111.D
Acq: 09 Jan 2019 18:50

Tgt Ion: 98 Resp: 188263
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.363 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampled :

W12-6

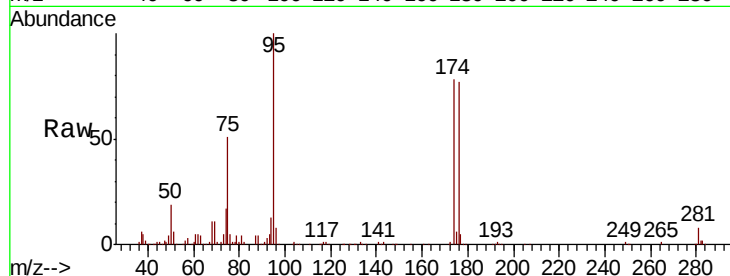
Tgt Ion: 95 Resp: 61795

Ion Ratio Lower Upper

95 100

174 76.9 0.0 143.0

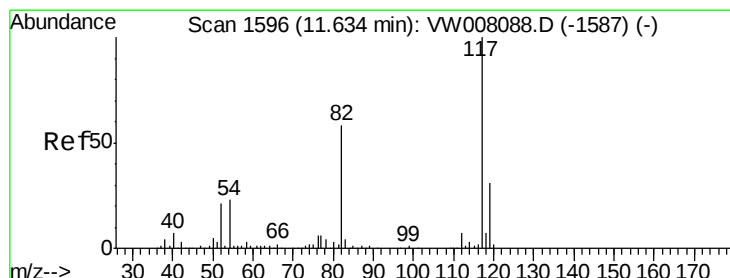
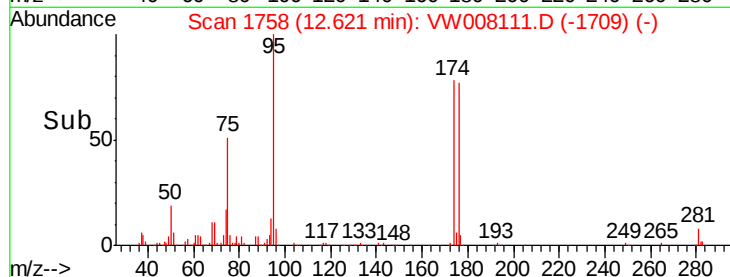
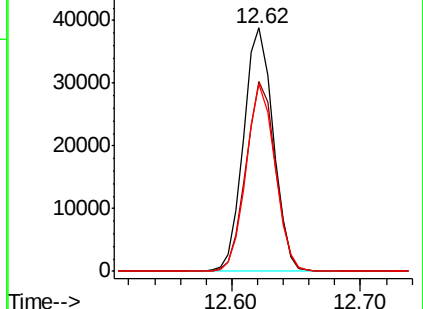
176 74.9 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

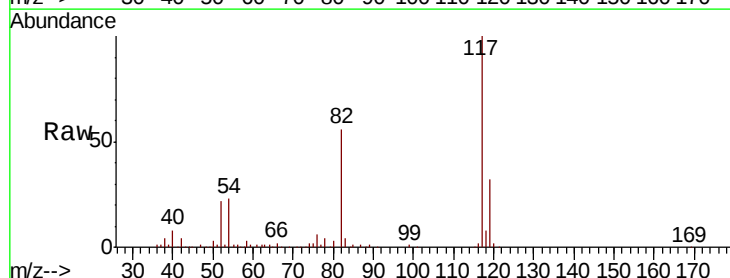
Tgt Ion: 117 Resp: 132244

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

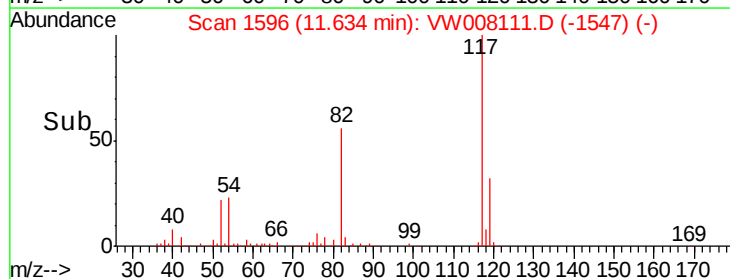
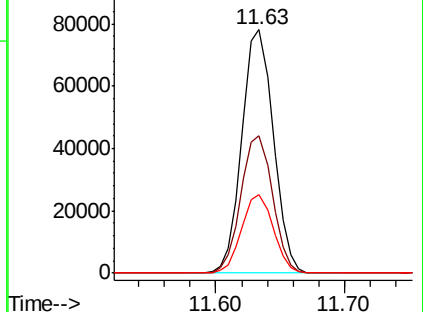
119 31.9 24.7 37.1

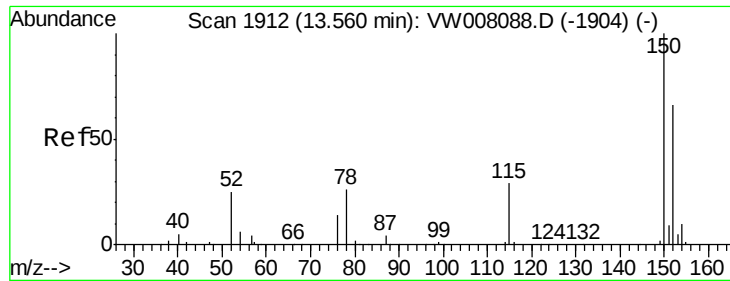


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

W12-6

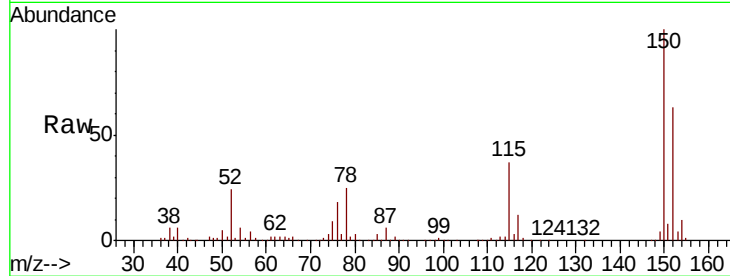
Tgt Ion: 152 Resp: 60081

Ion Ratio Lower Upper

152 100

115 59.2 30.8 92.4

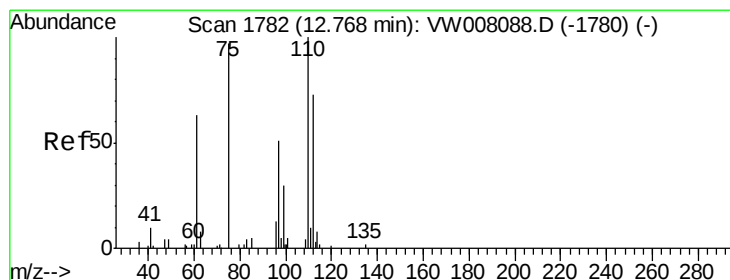
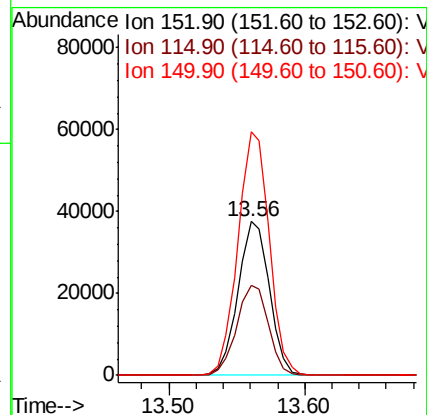
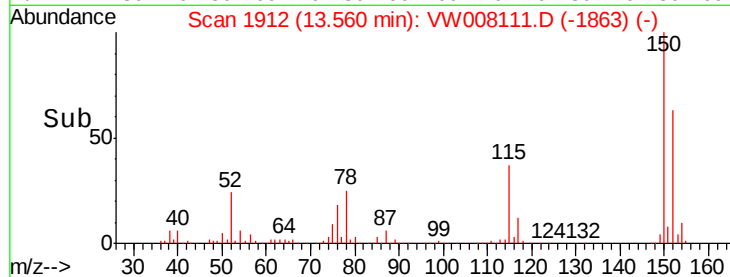
150 158.6 0.0 350.2



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: 57.668 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008111.D

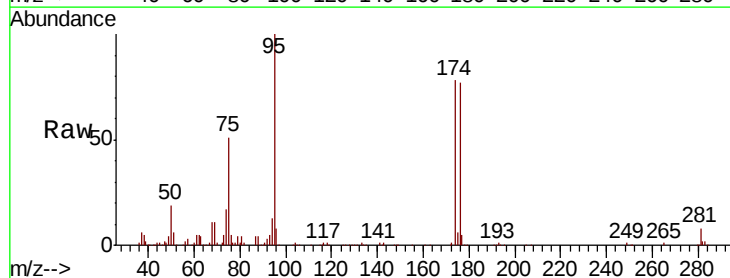
Acq: 09 Jan 2019 18:50

Tgt Ion: 75 Resp: 31585

Ion Ratio Lower Upper

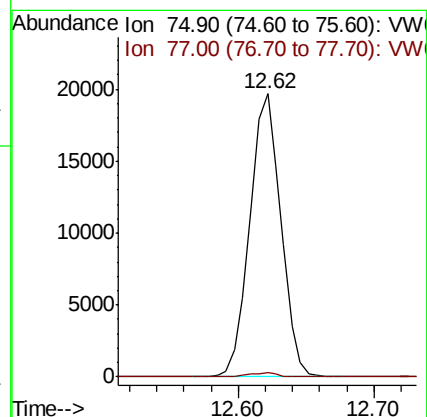
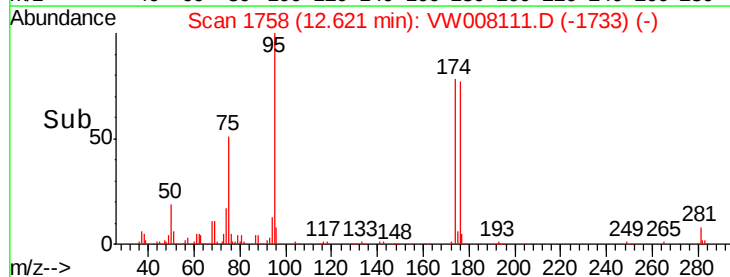
75 100

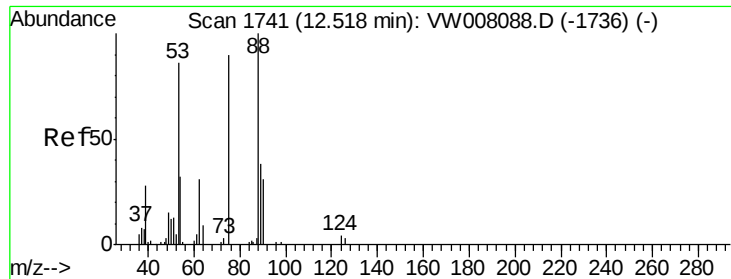
77 1.4 179.4 538.2#



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: 134.291 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008111.D

Acq: 09 Jan 2019 18:50

Instrument :

MSVOA_W

ClientSampleId :

W12-6

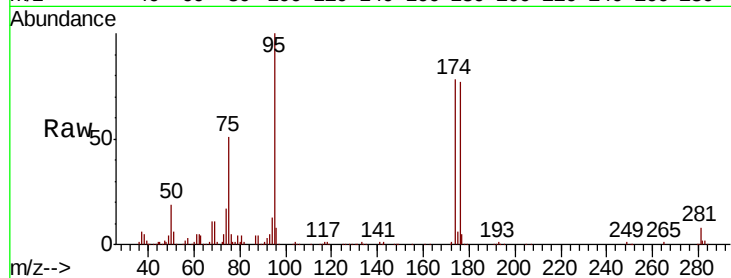
Tgt Ion: 75 Resp: 31585

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.2 35.4 53.2#



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

