

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009159.D
 Acq On : 13 Mar 2019 16:56
 Operator : SY/VA
 Sample : K1870-05RE
 Misc : 3.64G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:22:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141622	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	180007	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	
35) Dibromofluoromethane	7.88	113	149916	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	10.32	98	568380	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.62	95	165525	35.43	ug/l	0.00
Spiked Amount			Recovery	=	70.86%	

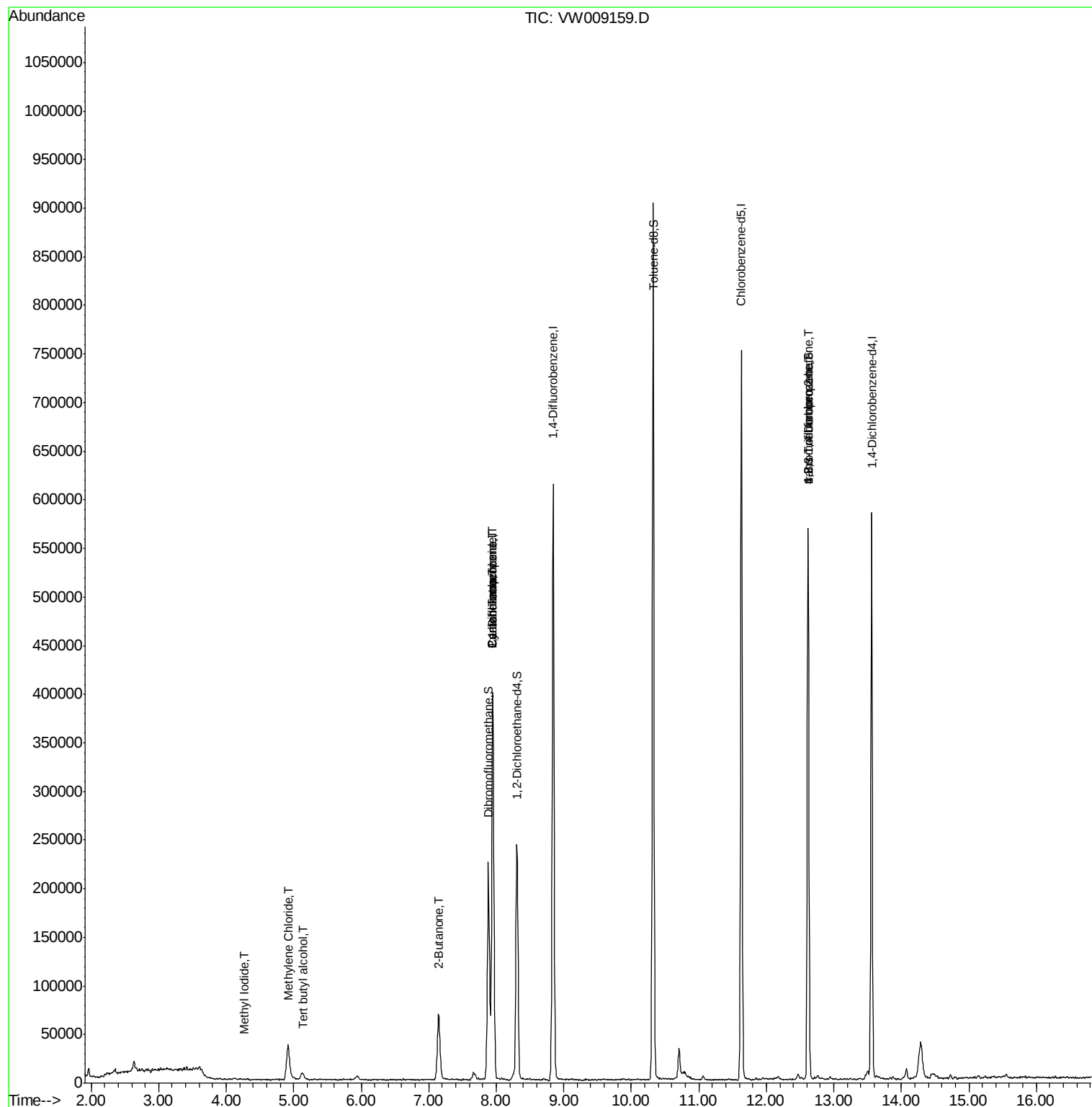
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	36	3.197	ug/l #	82
11) Tert butyl alcohol	5.14	59	6325	27.095	ug/l #	73
20) Methylene Chloride	4.92	84	26228	3.011	ug/l #	89
25) 2-Butanone	7.14	43	3990	4.200	ug/l #	64
31) Cyclohexane	7.95	56	8072	1.421	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	24040	4.790	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28815	5.560	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	90933	81.268	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	90933	181.775	ug/l #	5

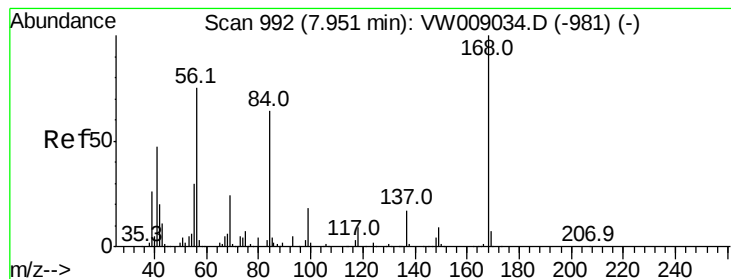
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :

MSVOA_W

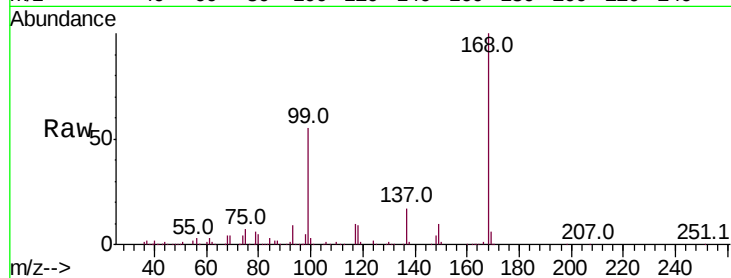
ClientSampleId :

Tot Ion:168 Resp: 302778

Ion Ratio Lower Upper

168 100

99 55.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

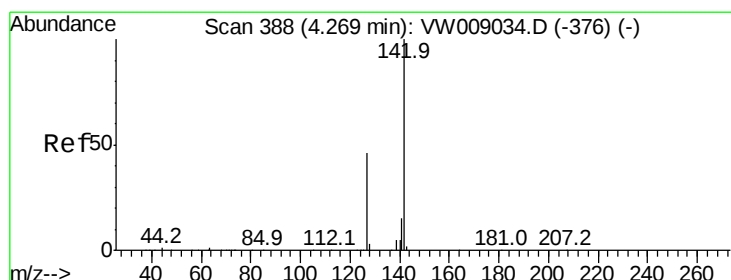
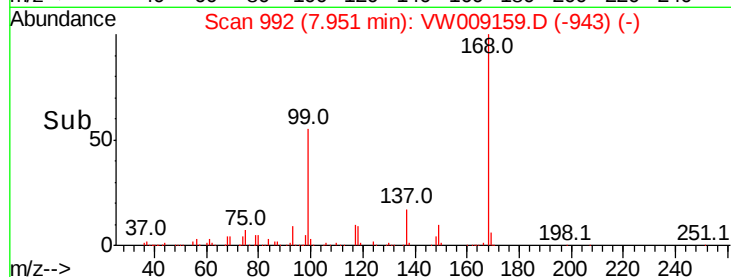
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.197 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

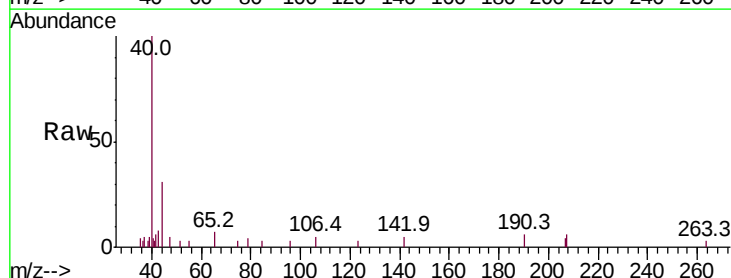
Tgt Ion:142 Resp: 36

Ion Ratio Lower Upper

142 100

127 52.8 35.8 53.6

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

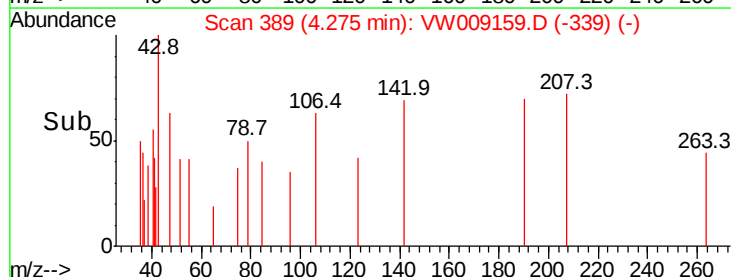
Ion 140.80 (140.50 to 141.50): V

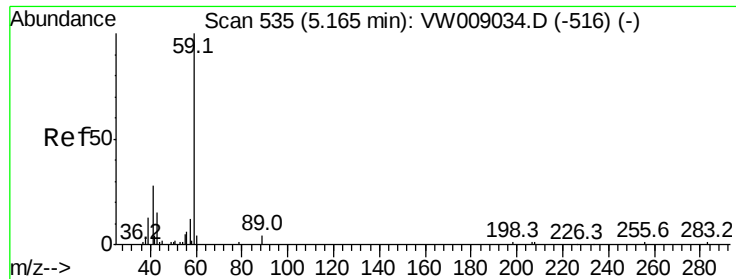
100

50

0

Time-->



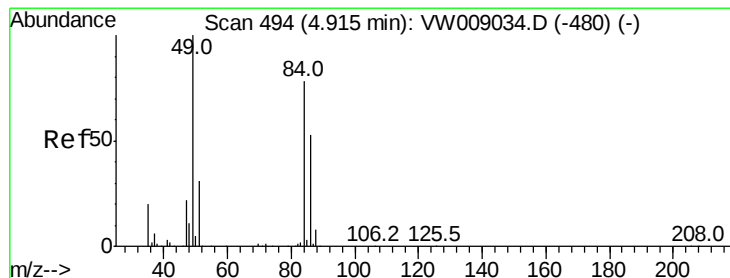
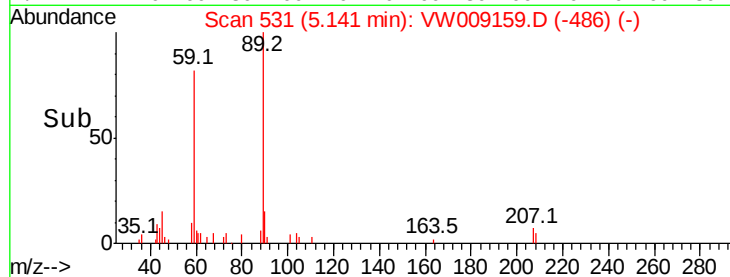
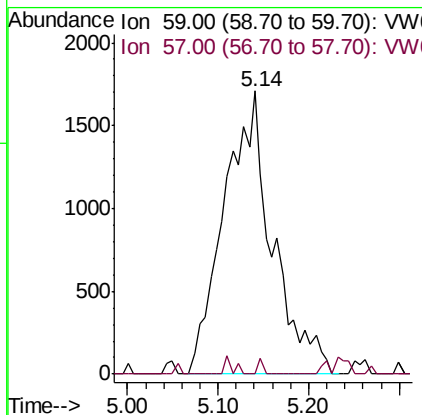
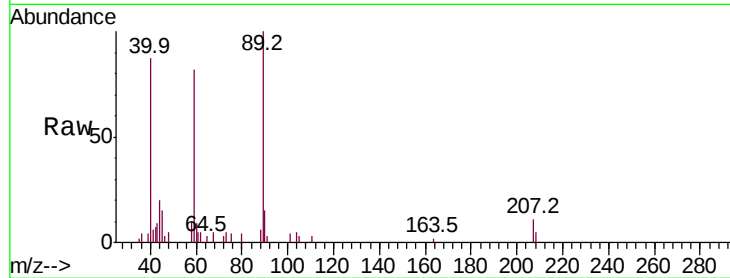


#11

Tert butyl alcohol
Concen: 27.095 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.02 min
Lab File: VW009159.D
Acq: 13 Mar 2019 16:56

Instrument :
MSVOA_W
ClientSampleId :

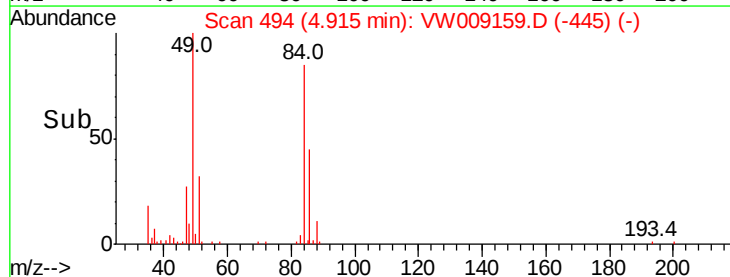
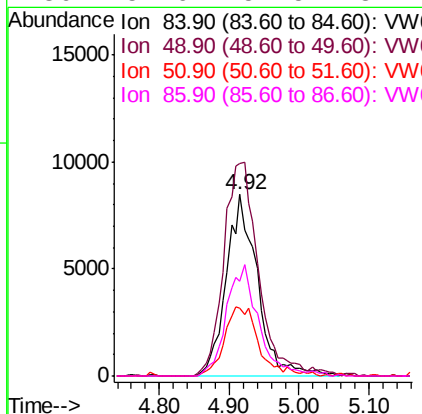
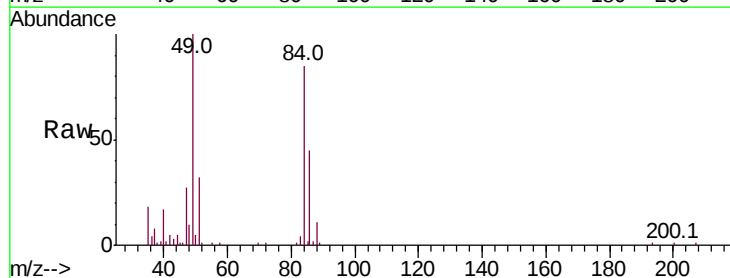
Tot Ion: 59 Resp: 6325
Ion Ratio Lower Upper
59 100
57 0.6 8.6 12.8#

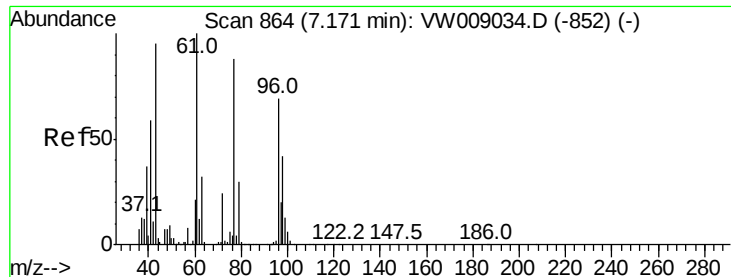


#20

Methylene Chloride
Concen: 3.011 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009159.D
Acq: 13 Mar 2019 16:56

Tgt Ion: 84 Resp: 26228
Ion Ratio Lower Upper
84 100
49 117.0 102.4 153.6
51 37.7 31.6 47.4
86 52.6 54.5 81.7#





#25

2-Butanone

Concen: 4.200 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

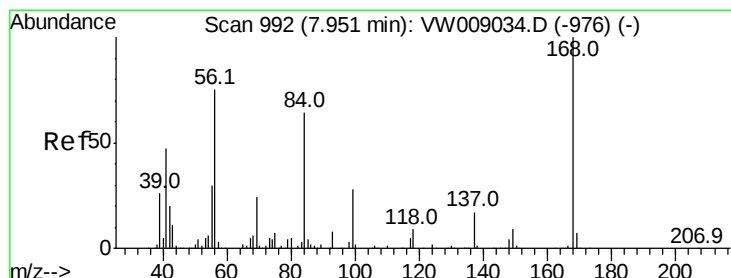
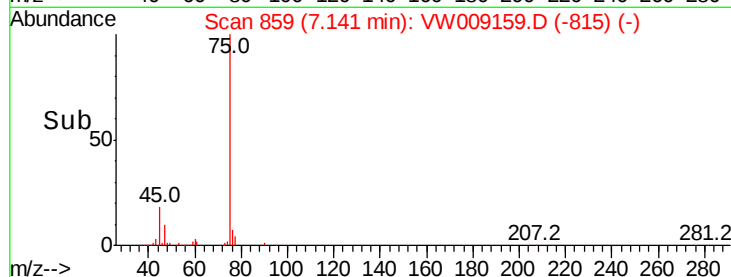
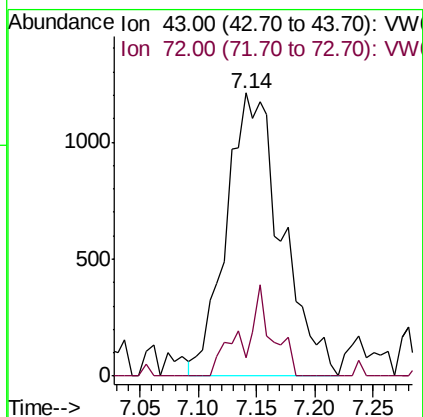
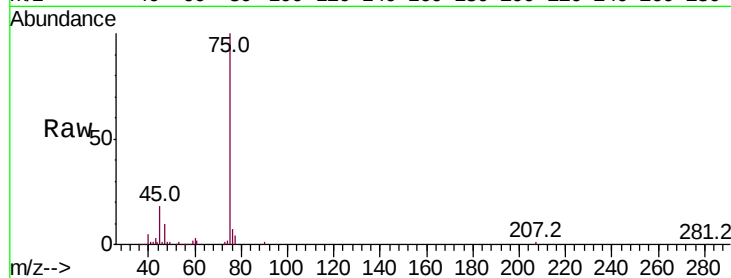
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3990

Ion Ratio Lower Upper

43 100

72 6.7 20.0 30.0#



#31

Cyclohexane

Concen: 1.421 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

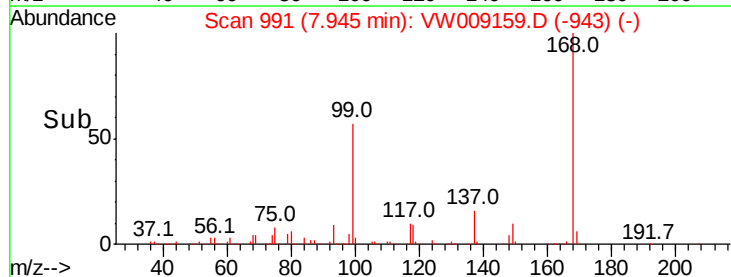
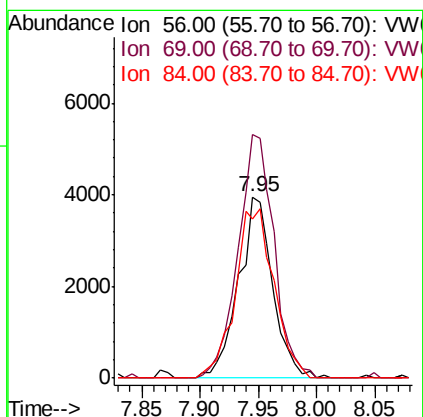
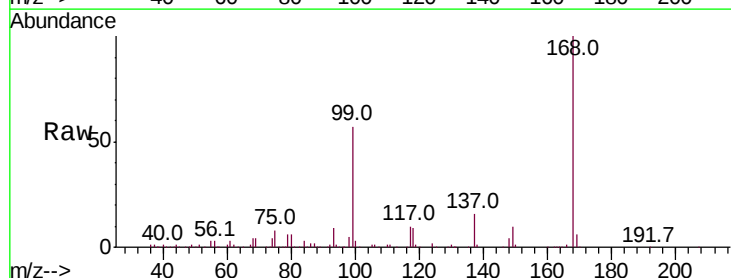
Tgt Ion: 56 Resp: 8072

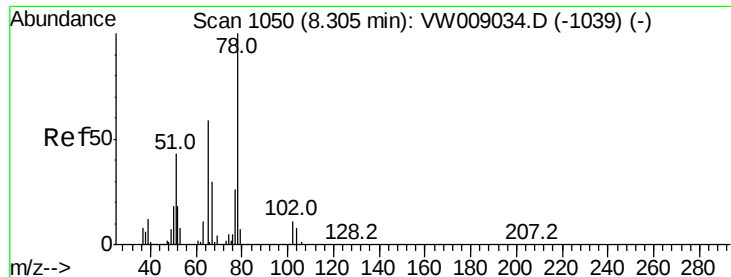
Ion Ratio Lower Upper

56 100

69 134.2 25.5 38.3#

84 87.7 68.6 103.0

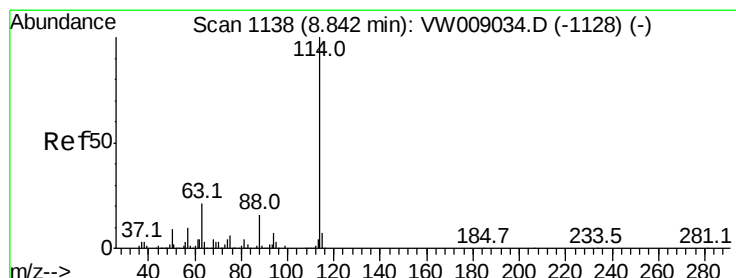
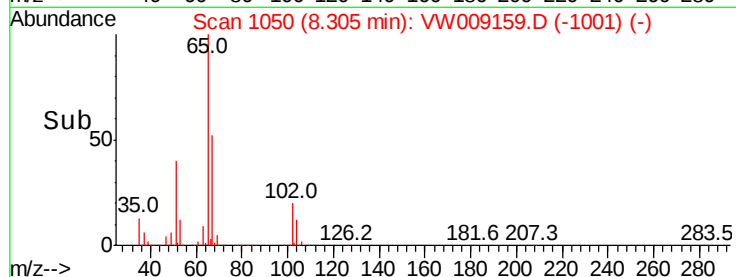
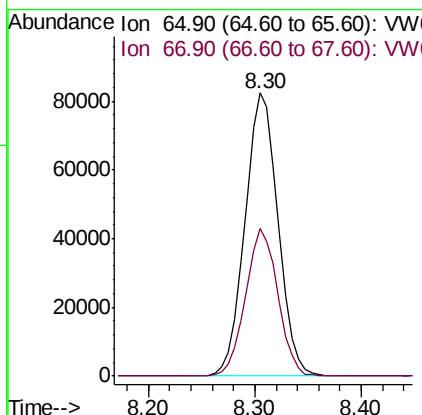
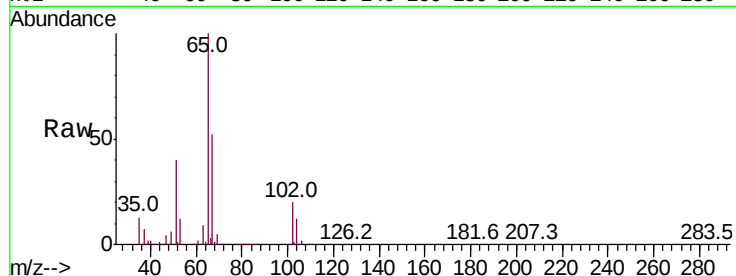




#33
 1,2-Dichloroethane-d4
 Concen: 59.092 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009159.D
 Acq: 13 Mar 2019 16:56

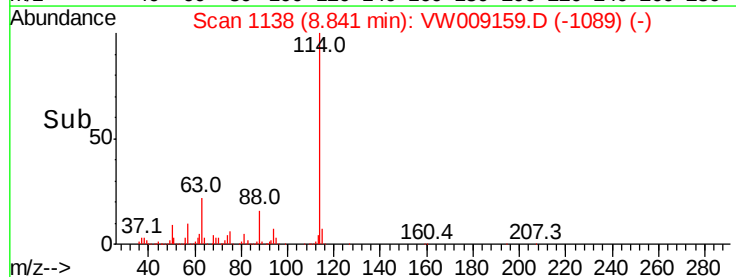
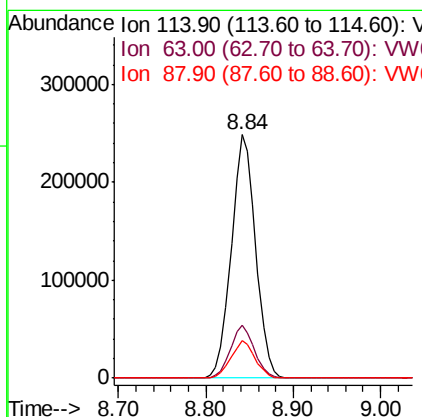
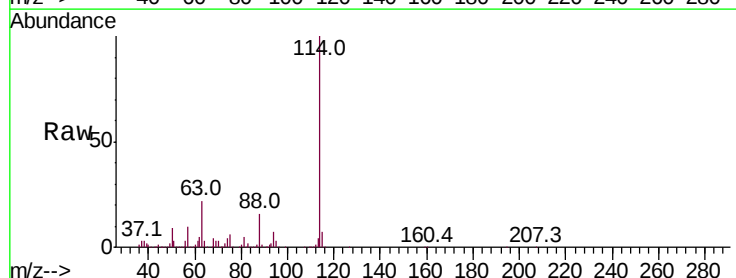
Instrument :
 MSVOA_W
 ClientSampled :

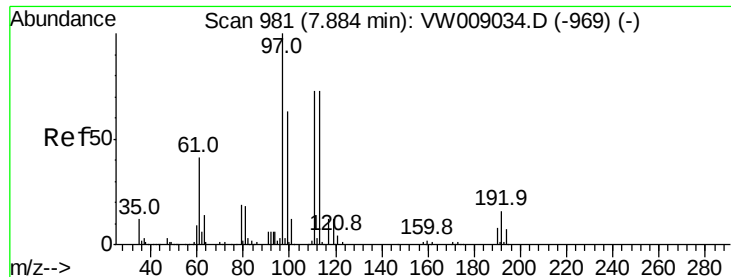
Tot Ion: 65 Resp: 180007
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009159.D
 Acq: 13 Mar 2019 16:56

Tgt Ion: 114 Resp: 479956
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.2
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.878 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :
MSVOA_W
ClientSampleId :

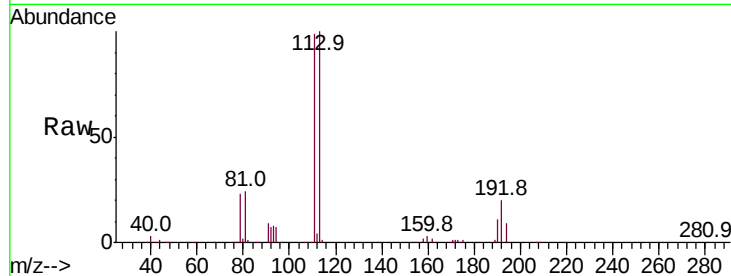
Tot Ion:113 Resp: 149916

Ion Ratio Lower Upper

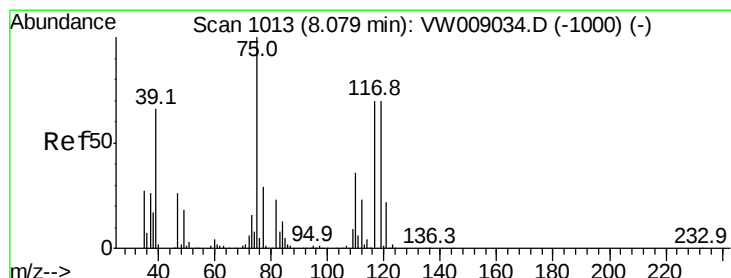
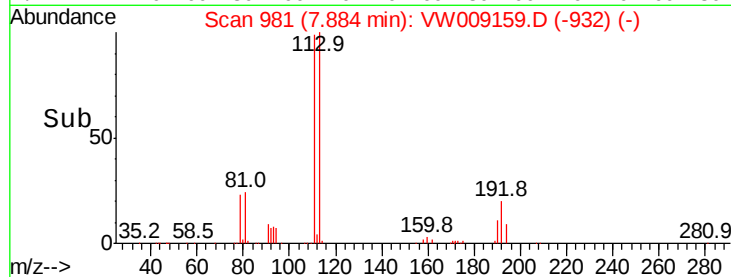
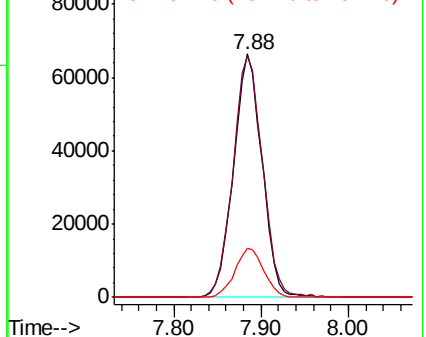
113 100

111 103.3 81.0 121.4

192 20.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

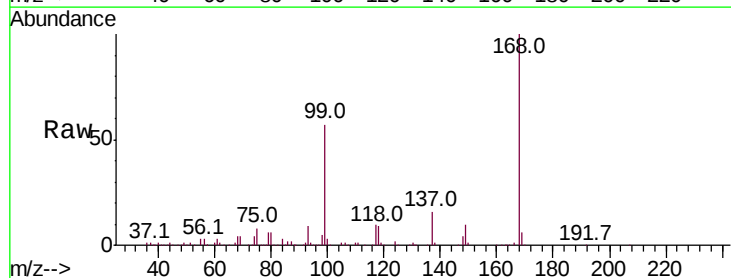
Tgt Ion: 75 Resp: 24040

Ion Ratio Lower Upper

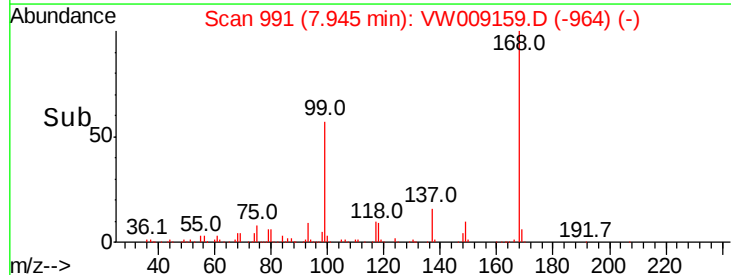
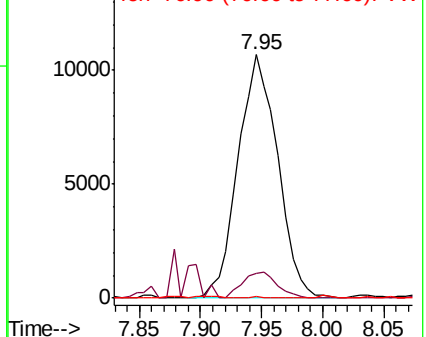
75 100

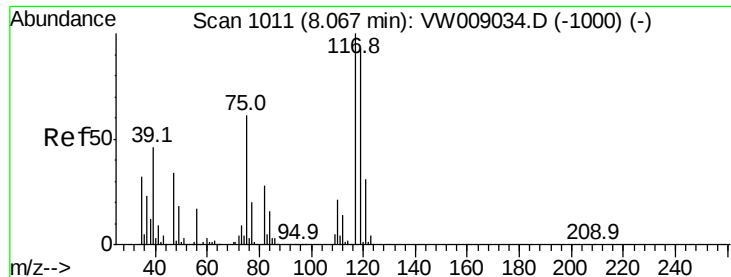
110 9.4 17.6 52.9#

77 0.1 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

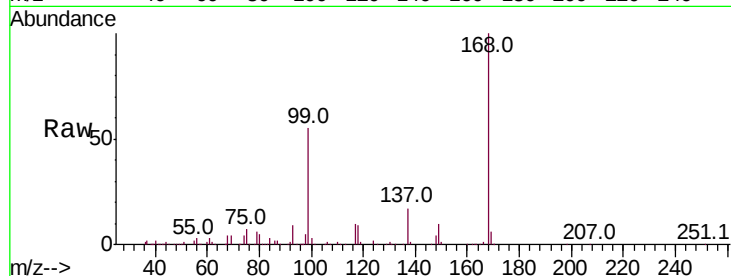
Tot Ion:117 Resp: 28815

Ion Ratio Lower Upper

117 100

119 8.2 74.6 112.0#

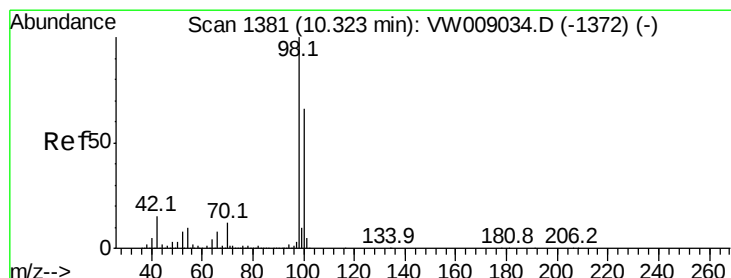
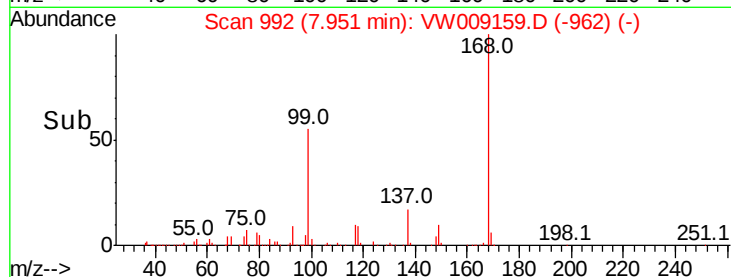
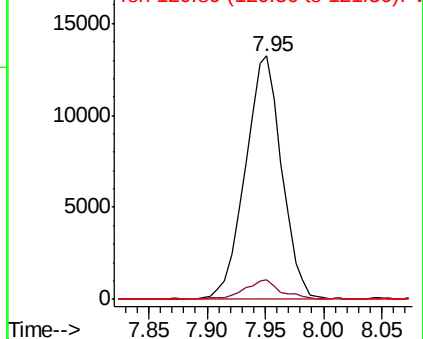
121 0.0 24.7 37.1#



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: 47.889 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009159.D

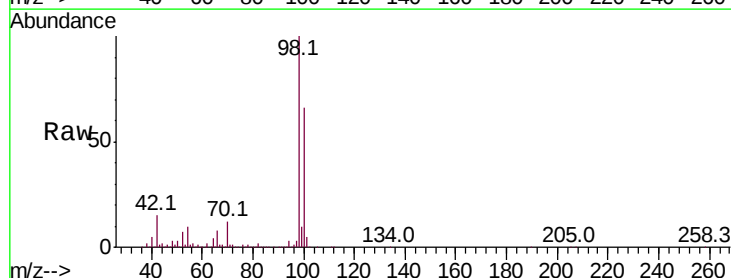
Acq: 13 Mar 2019 16:56

Tgt Ion: 98 Resp: 568380

Ion Ratio Lower Upper

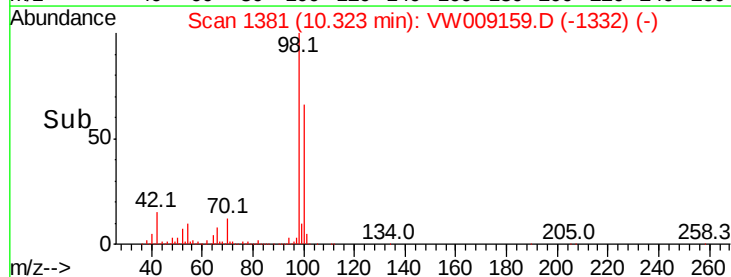
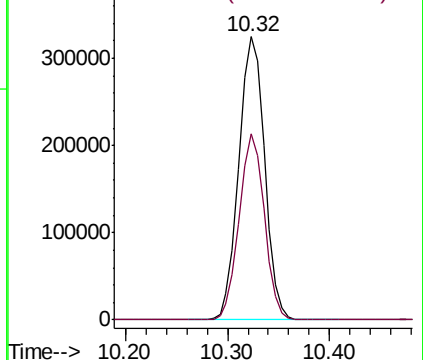
98 100

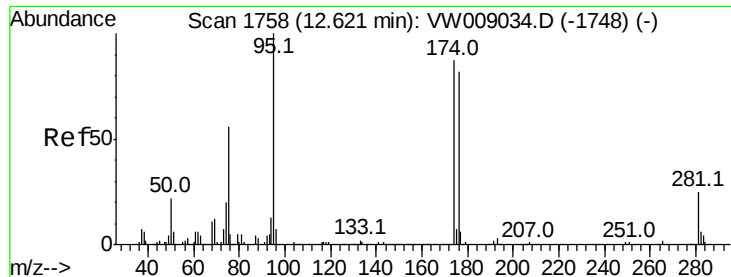
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.427 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :

MSVOA_W

ClientSampled :

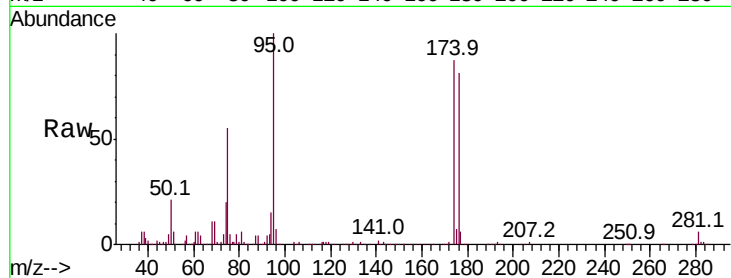
Tot Ion: 95 Resp: 165525

Ion Ratio Lower Upper

95 100

174 85.8 0.0 167.0

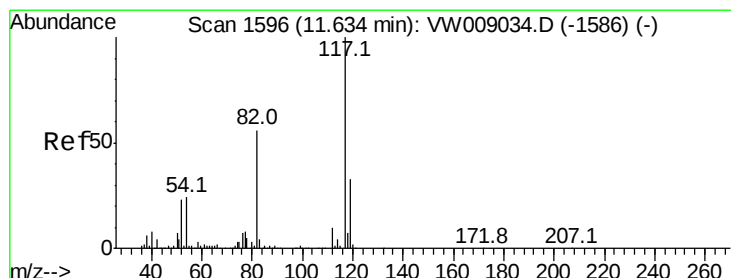
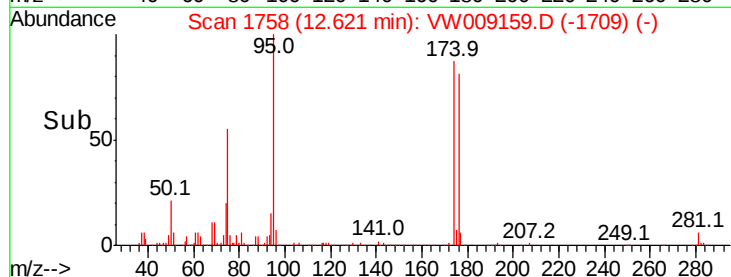
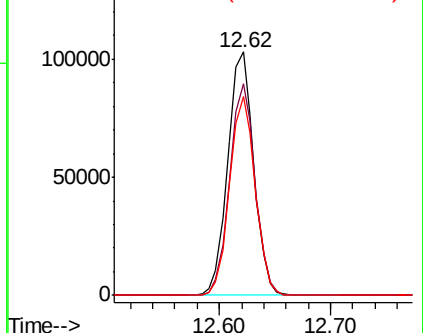
176 80.8 0.0 159.4



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: VW009159.D

Acq: 13 Mar 2019 16:56

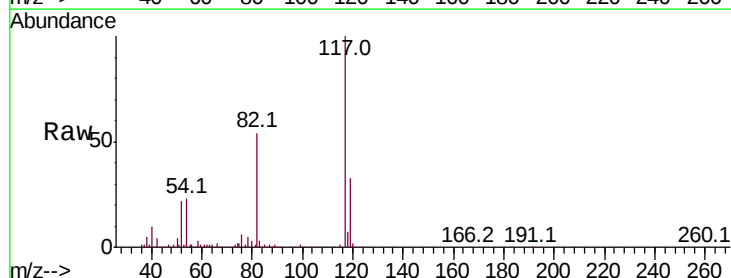
Tgt Ion: 117 Resp: 397708

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.6

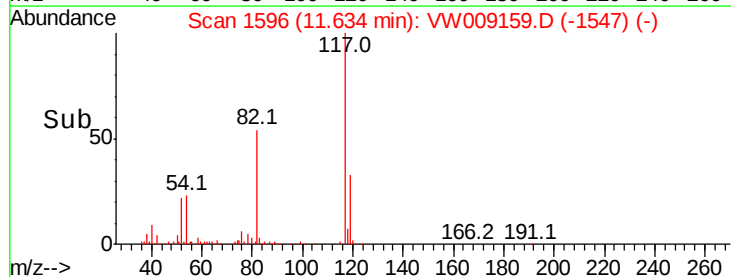
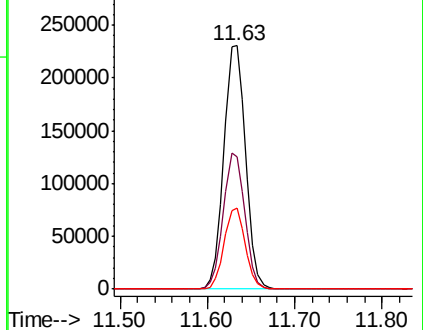
119 33.2 26.6 39.8

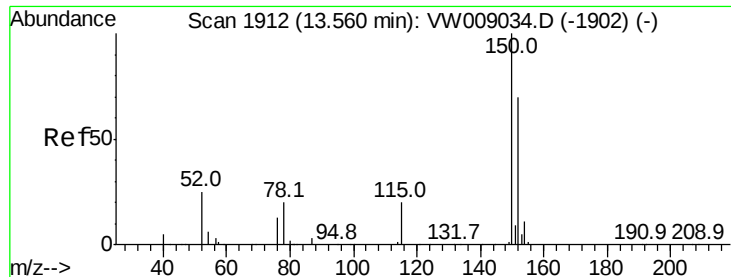


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

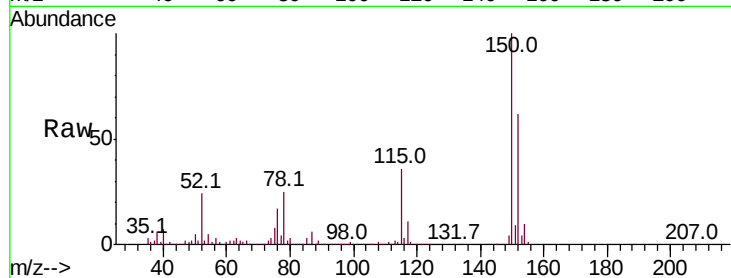
Tot Ion:152 Resp: 141622

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

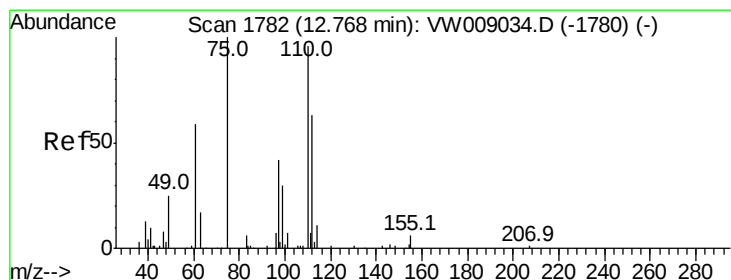
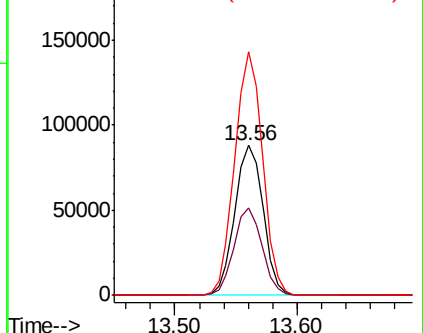
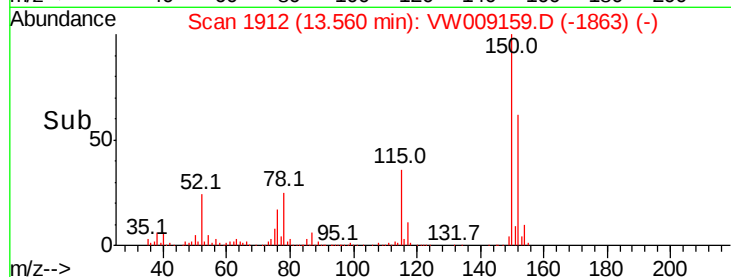
150 159.2 0.0 349.2



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: 81.268 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009159.D

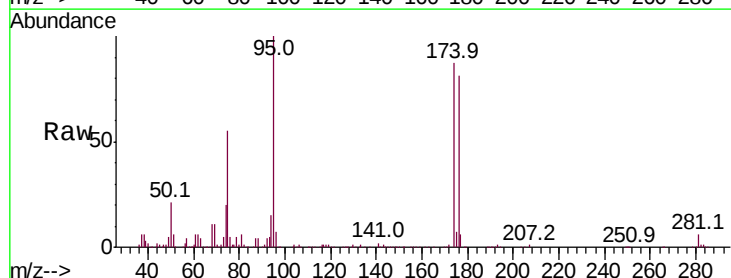
Acq: 13 Mar 2019 16:56

Tgt Ion: 75 Resp: 90933

Ion Ratio Lower Upper

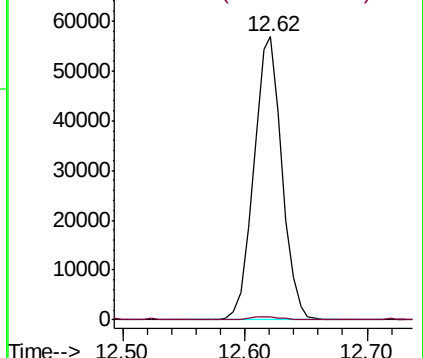
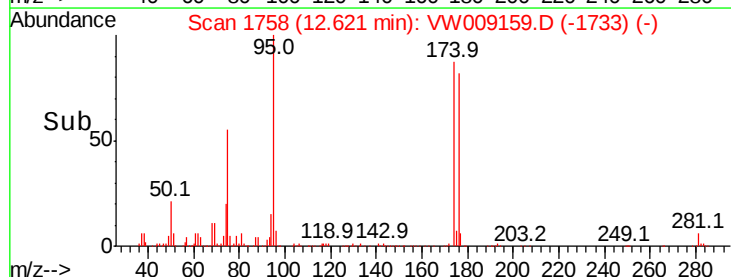
75 100

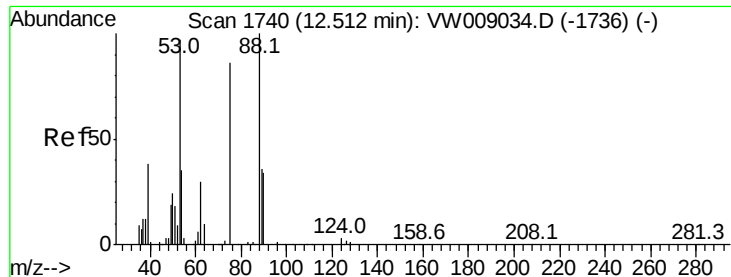
77 1.5 186.7 560.0#



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: 181.775 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009159.D

Acq: 13 Mar 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

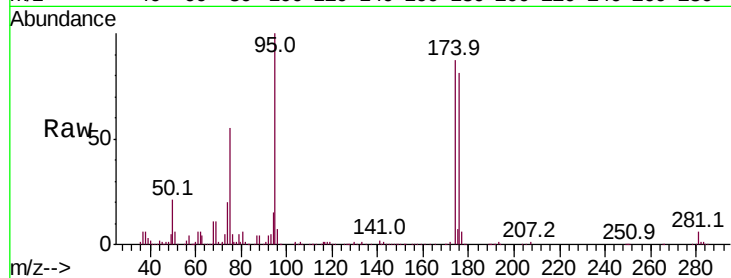
Tot Ion: 75 Resp: 90933

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 37.5 56.3#



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

