

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013705.D
 Acq On : 24 Oct 2019 09:11
 Operator : SY/VA
 Sample : K5503-16
 Misc : 7.14G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 10:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

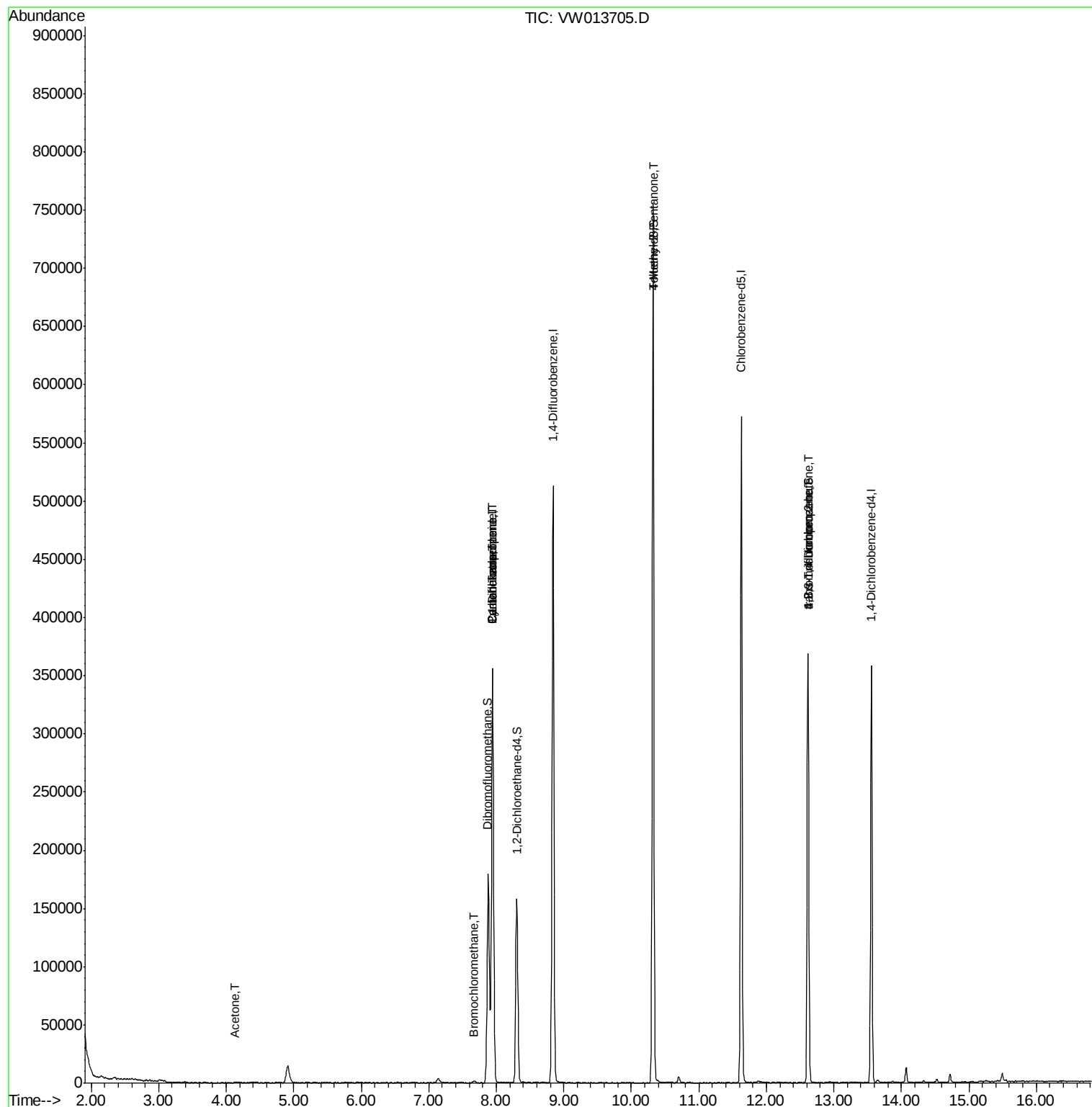
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	453399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121790	54.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.80%	
35) Dibromofluoromethane	7.88	113	132644	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
50) Toluene-d8	10.32	98	513519	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.62	95	122707	35.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.60%	
Target Compounds						
					Qvalue	
16) Acetone	4.14	43	1155	2.455	ug/l #	77
20) Methylene Chloride	4.92	84	12182	Below Cal	#	83
28) Bromochloromethane	7.66	49	90	1.392	ug/l #	7
31) Cyclohexane	7.94	56	4934	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18859	4.466	ug/l #	48
38) Carbon Tetrachloride	7.95	117	25987	6.834	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2019	1.313	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	58191	76.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58191	143.761	ug/l #	14

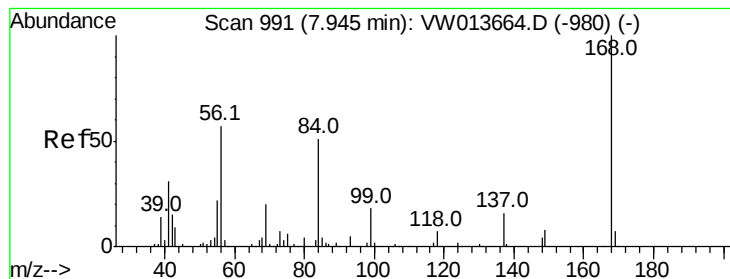
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013705.D
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MSVOA_W
ClientSampleId :

Quant Time: Oct 24 10:53:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 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: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :

MSVOA_W

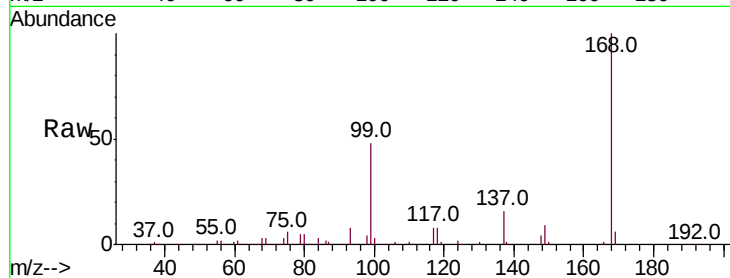
ClientSampleId :

Tot Ion:168 Resp: 295747

Ion Ratio Lower Upper

168 100

99 48.5 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

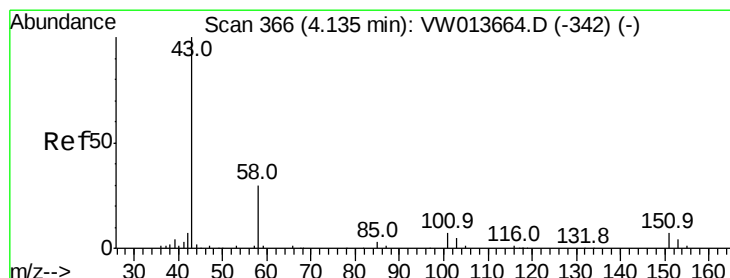
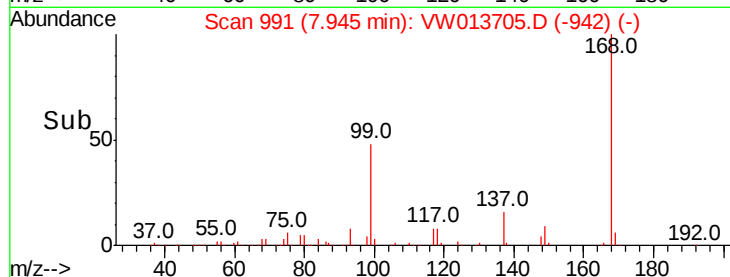
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.455 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013705.D

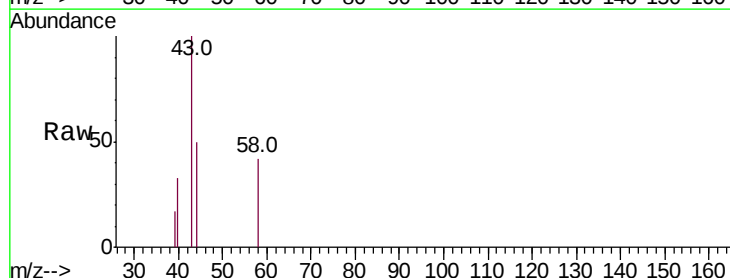
Acq: 24 Oct 2019 09:11

Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

43 100

58 42.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

400

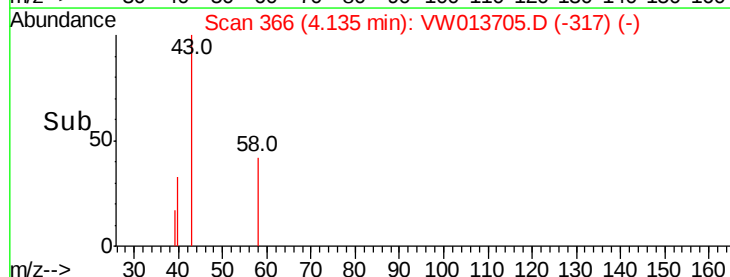
300

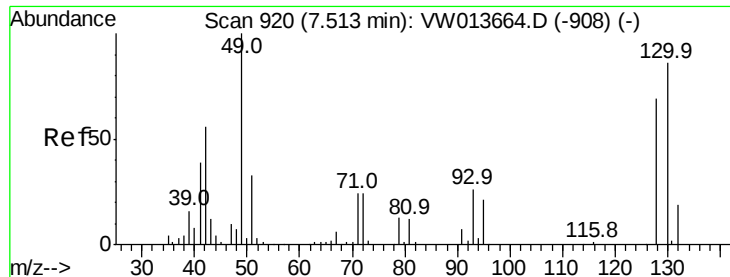
200

100

0

Time--> 4.05 4.10 4.15 4.20





#28

Bromochloromethane

Concen: 1.392 ug/l

RT: 7.66 min Scan# 944

Delta R.T. 0.15 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :
MSVOA_W
ClientSampled :

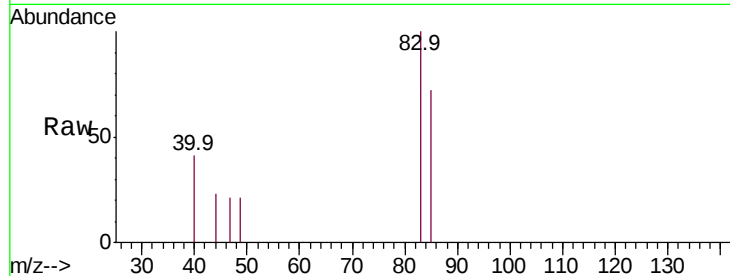
Tot Ion: 49 Resp: 90

Ion Ratio Lower Upper

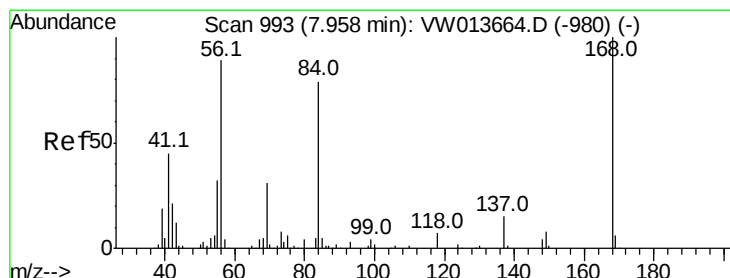
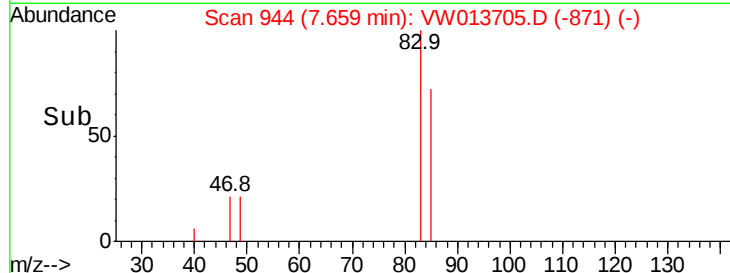
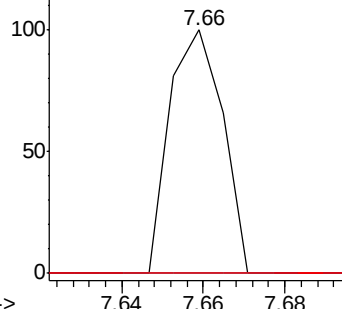
49 100

129 0.0 0.0 0.6

130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

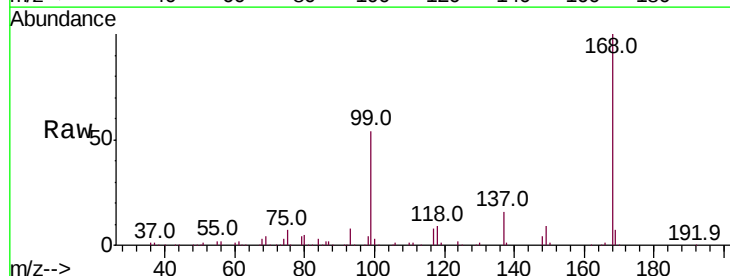
Tgt Ion: 56 Resp: 4934

Ion Ratio Lower Upper

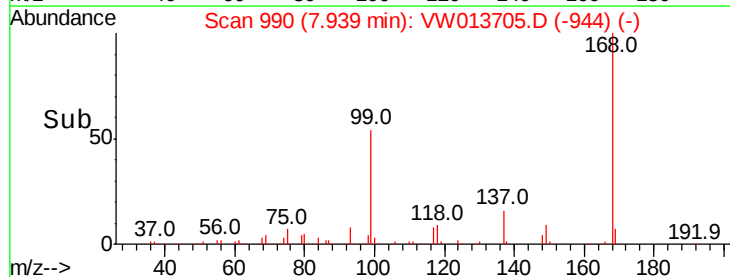
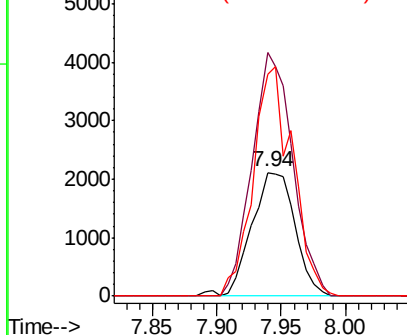
56 100

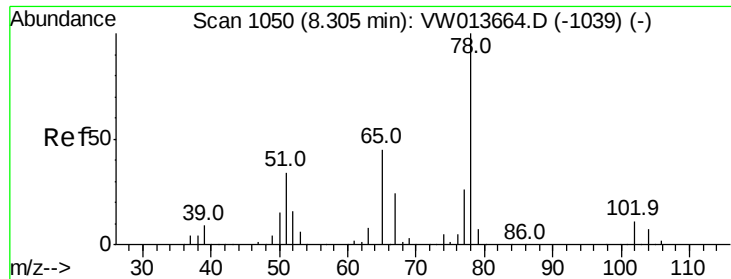
69 196.7 27.5 41.3#

84 179.2 70.8 106.2#



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

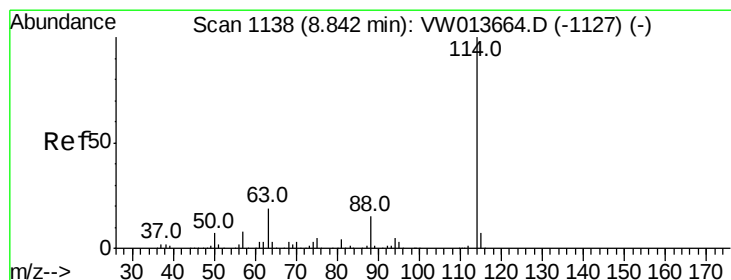
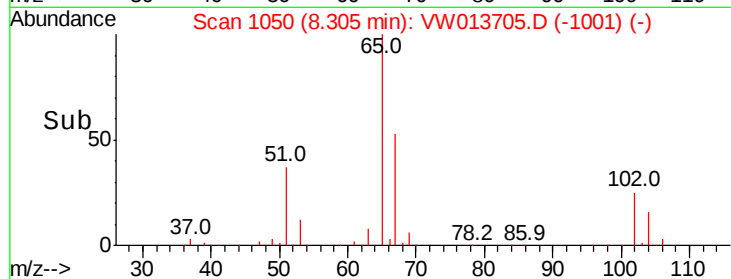
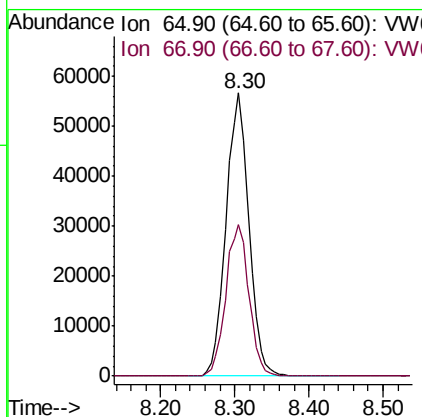
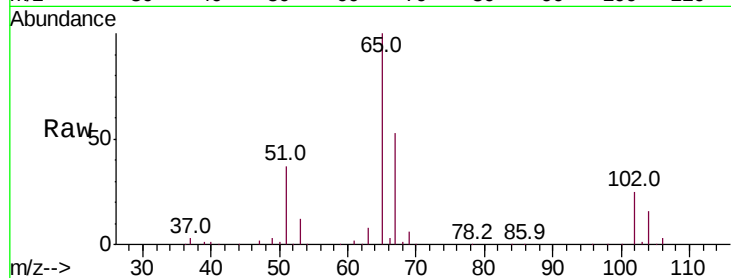




#33
 1,2-Dichloroethane-d4
 Concen: 54.895 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013705.D
 Acq: 24 Oct 2019 09:11

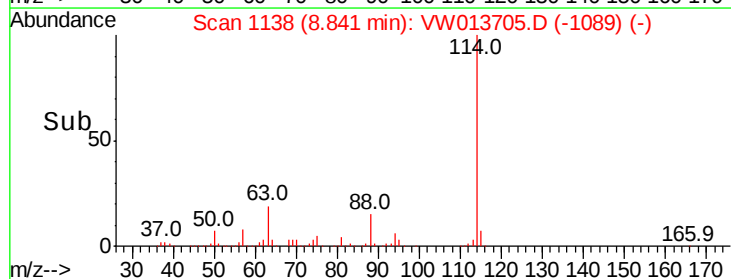
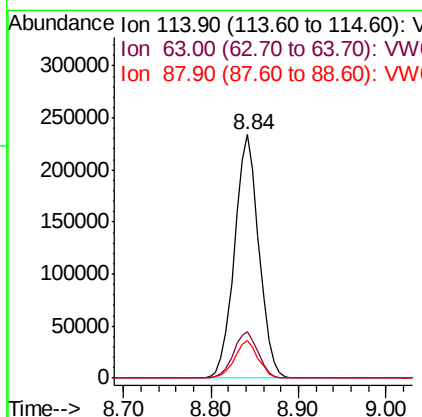
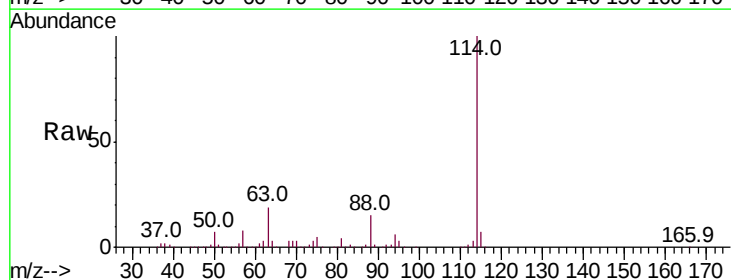
Instrument :
 MSVOA_W
 ClientSampleId :

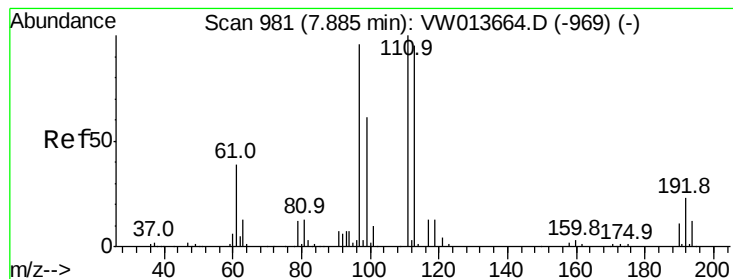
Tot Ion: 65 Resp: 121790
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013705.D
 Acq: 24 Oct 2019 09:11

Tgt Ion: 114 Resp: 453399
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.6
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.650 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :

MSVOA_W

ClientSampleId :

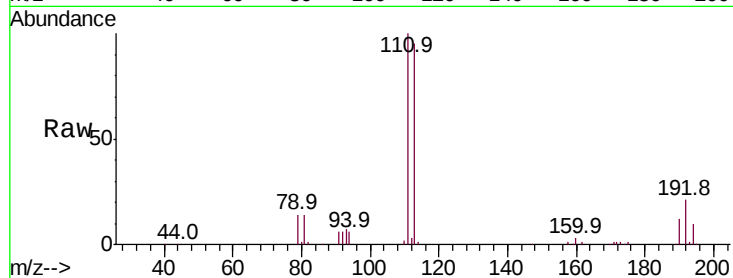
Tot Ion:113 Resp: 132644

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

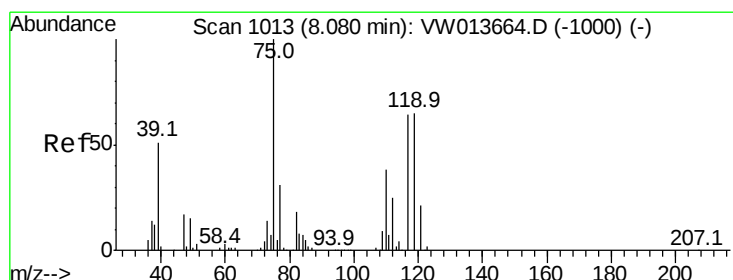
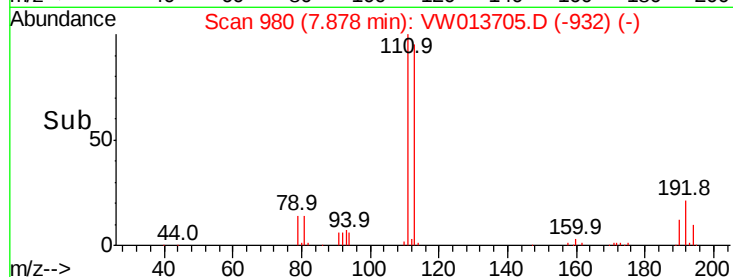
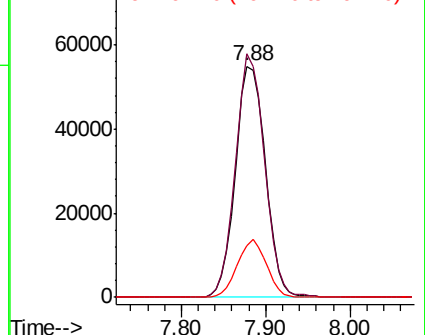
192 24.1 19.4 29.2



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: 4.466 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

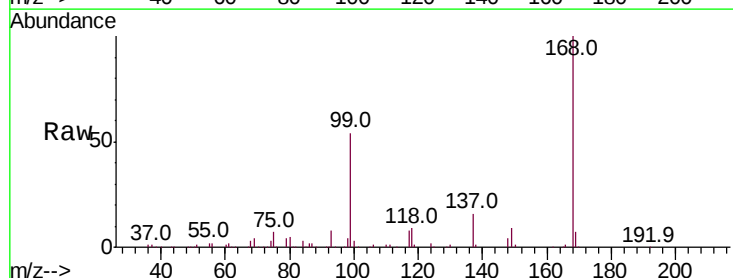
Tgt Ion: 75 Resp: 18859

Ion Ratio Lower Upper

75 100

110 9.2 18.7 56.1#

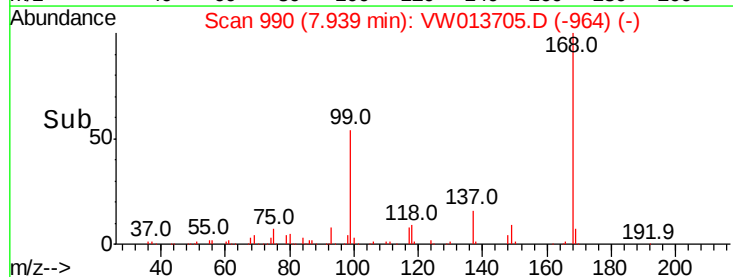
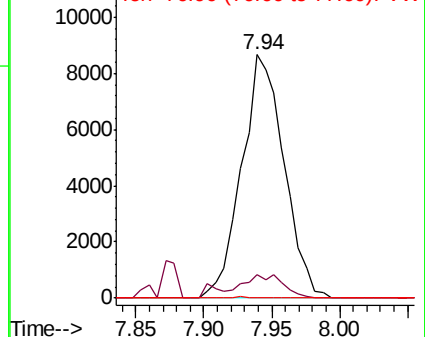
77 0.0 25.4 38.0#

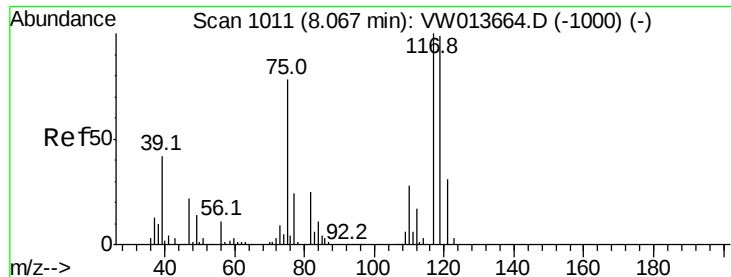


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.834 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :
MSVOA_W
ClientSampled :

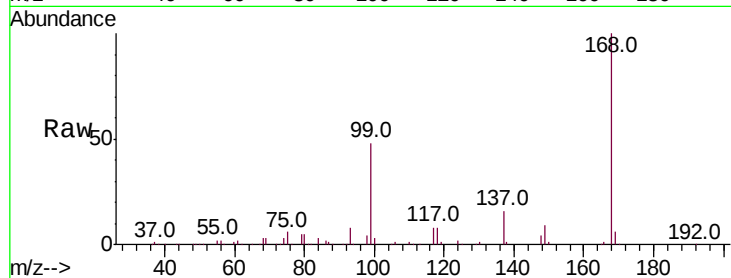
Tot Ion:117 Resp: 25987

Ion Ratio Lower Upper

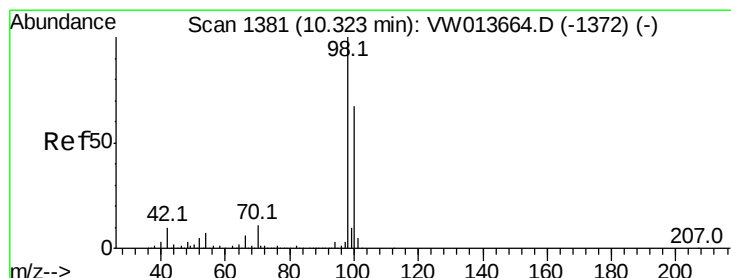
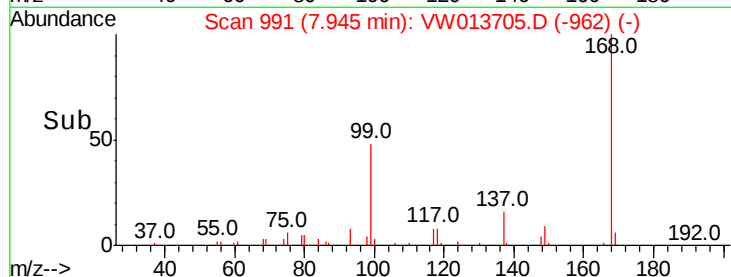
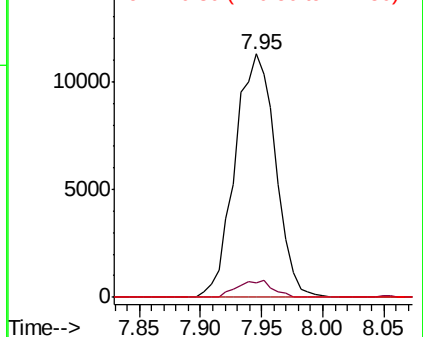
117 100

119 6.0 79.0 118.4#

121 0.0 24.5 36.7#



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: 50.023 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013705.D

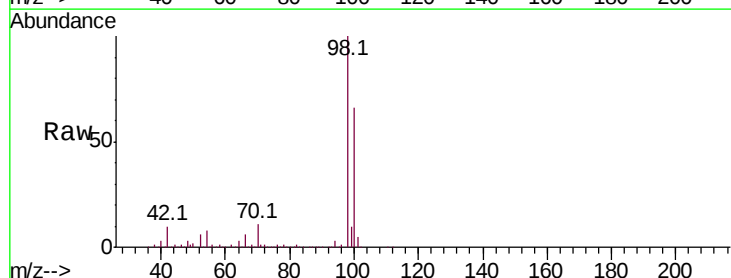
Acq: 24 Oct 2019 09:11

Tgt Ion: 98 Resp: 513519

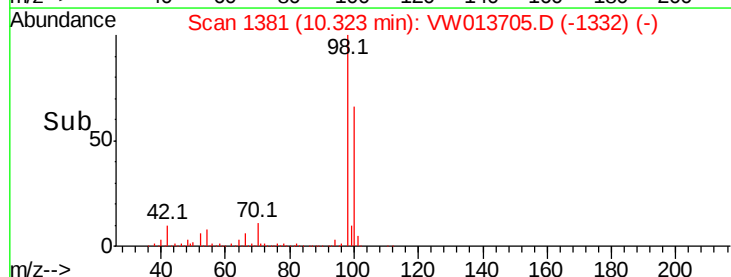
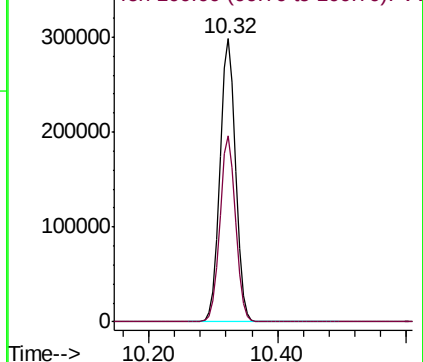
Ion Ratio Lower Upper

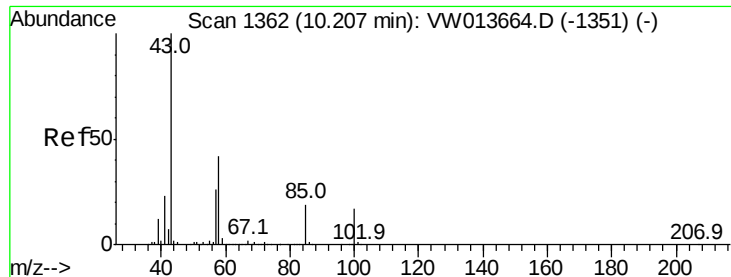
98 100

100 65.4 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.313 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :

MSVOA_W

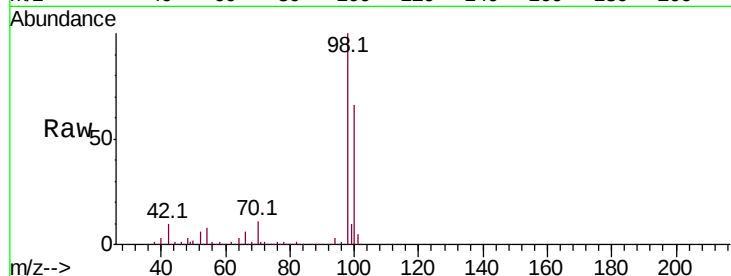
ClientSampled :

Tot Ion: 43 Resp: 2019

Ion Ratio Lower Upper

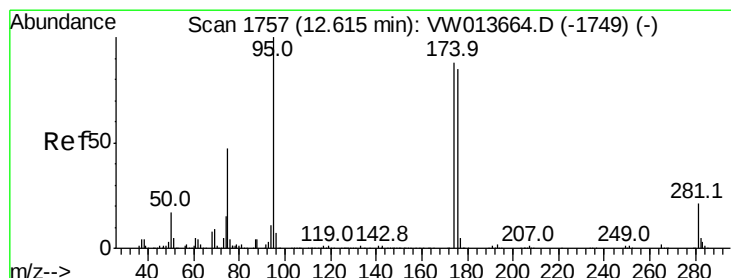
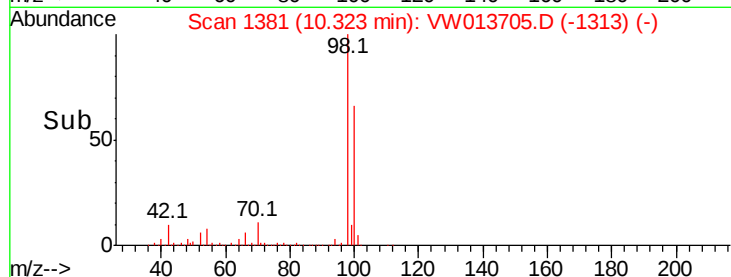
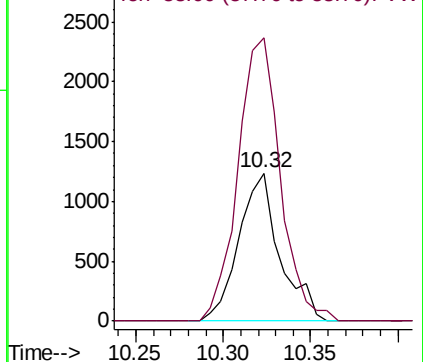
43 100

58 197.7 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 35.301 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

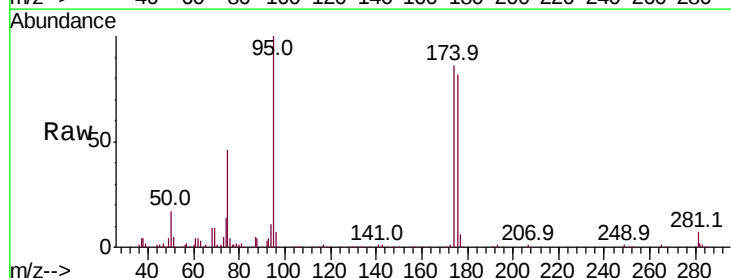
Tgt Ion: 95 Resp: 122707

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.6

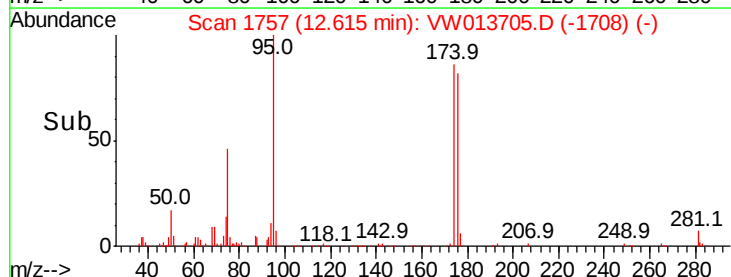
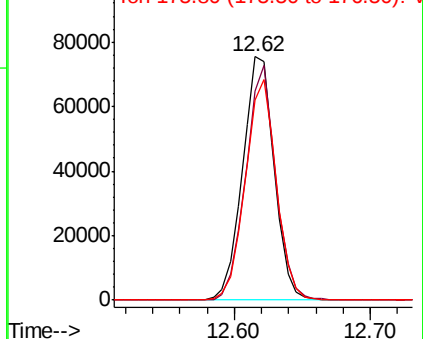
176 88.8 0.0 178.0

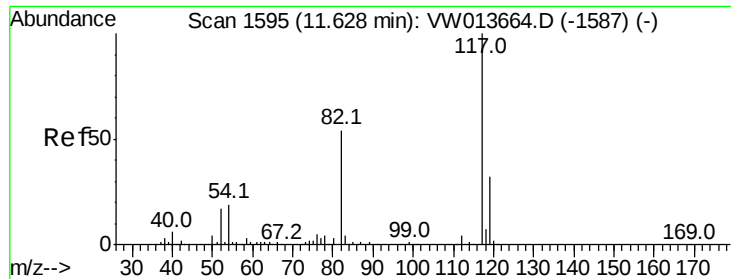


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :

MSVOA_W

ClientSampled :

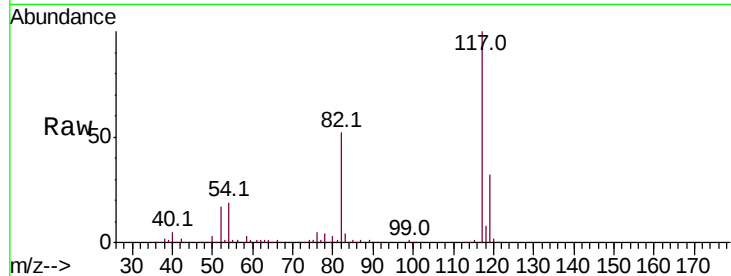
Tot Ion:117 Resp: 339523

Ion Ratio Lower Upper

117 100

82 52.5 43.6 65.4

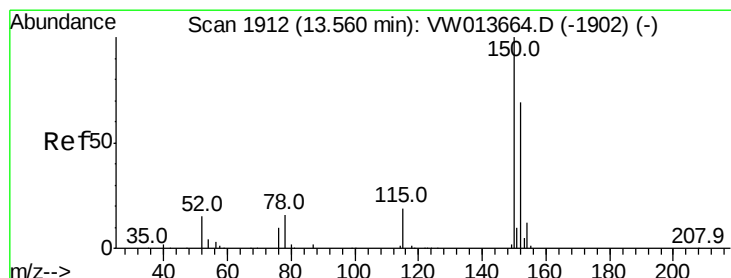
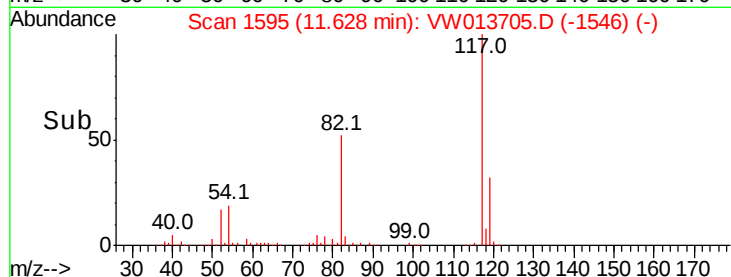
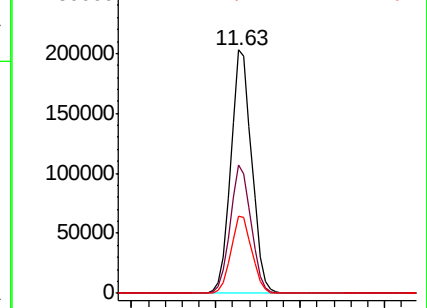
119 31.6 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

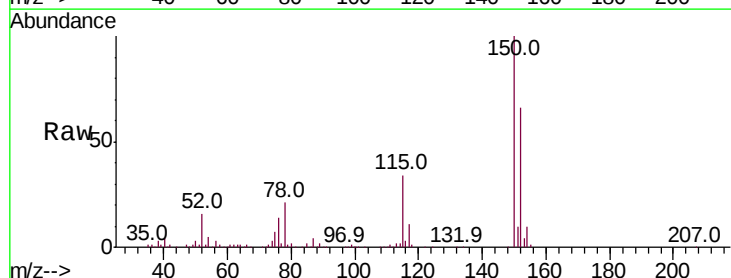
Tgt Ion:152 Resp: 106521

Ion Ratio Lower Upper

152 100

115 53.4 27.4 82.2

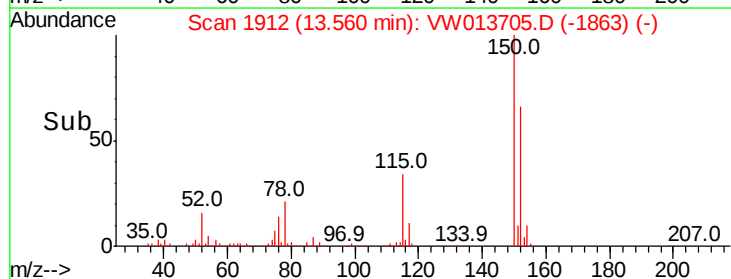
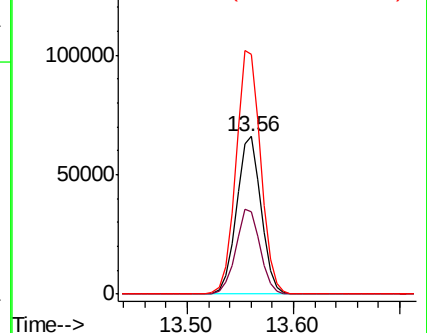
150 155.2 0.0 345.4

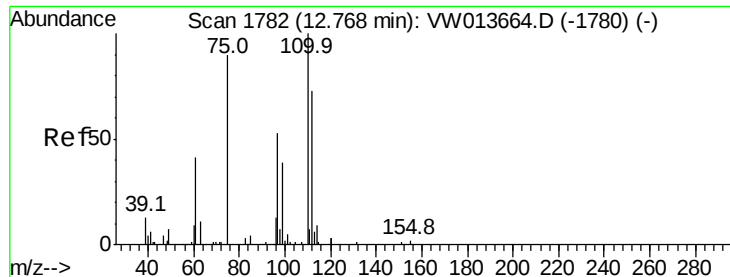


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 76.070 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

Instrument :

MSVOA_W

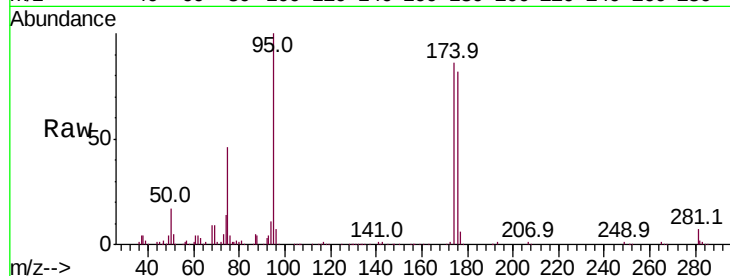
ClientSampleId :

Tot Ion: 75 Resp: 58191

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

40000

30000

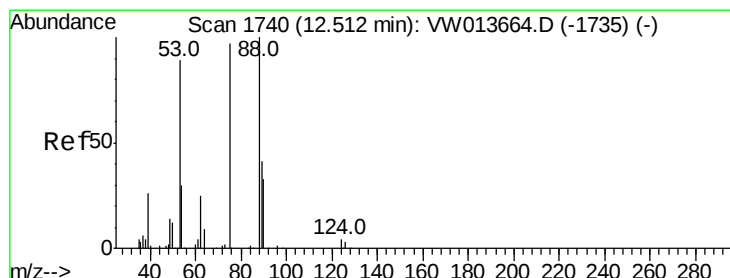
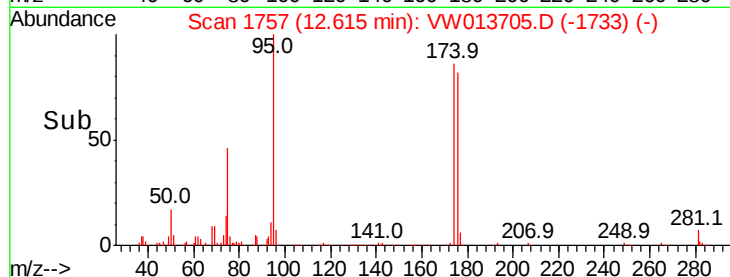
20000

10000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 143.761 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013705.D

Acq: 24 Oct 2019 09:11

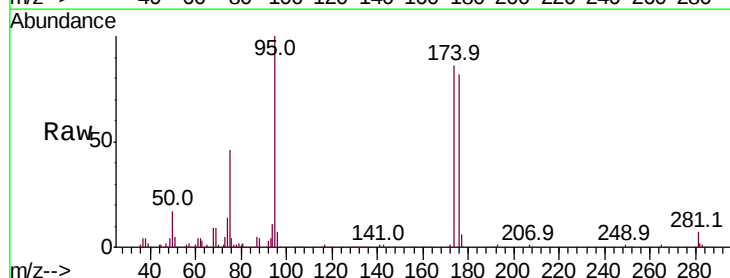
Tgt Ion: 75 Resp: 58191

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

89 0.0 35.8 53.8#



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

12.62

40000

30000

20000

10000

0

Time-->

12.55 12.60 12.65 12.70

