

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013396.D
 Acq On : 02 Oct 2019 22:58
 Operator : SY/VA
 Sample : K4946-04RE
 Misc : 3.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (1-3)RE

Quant Time: Oct 03 07:06:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

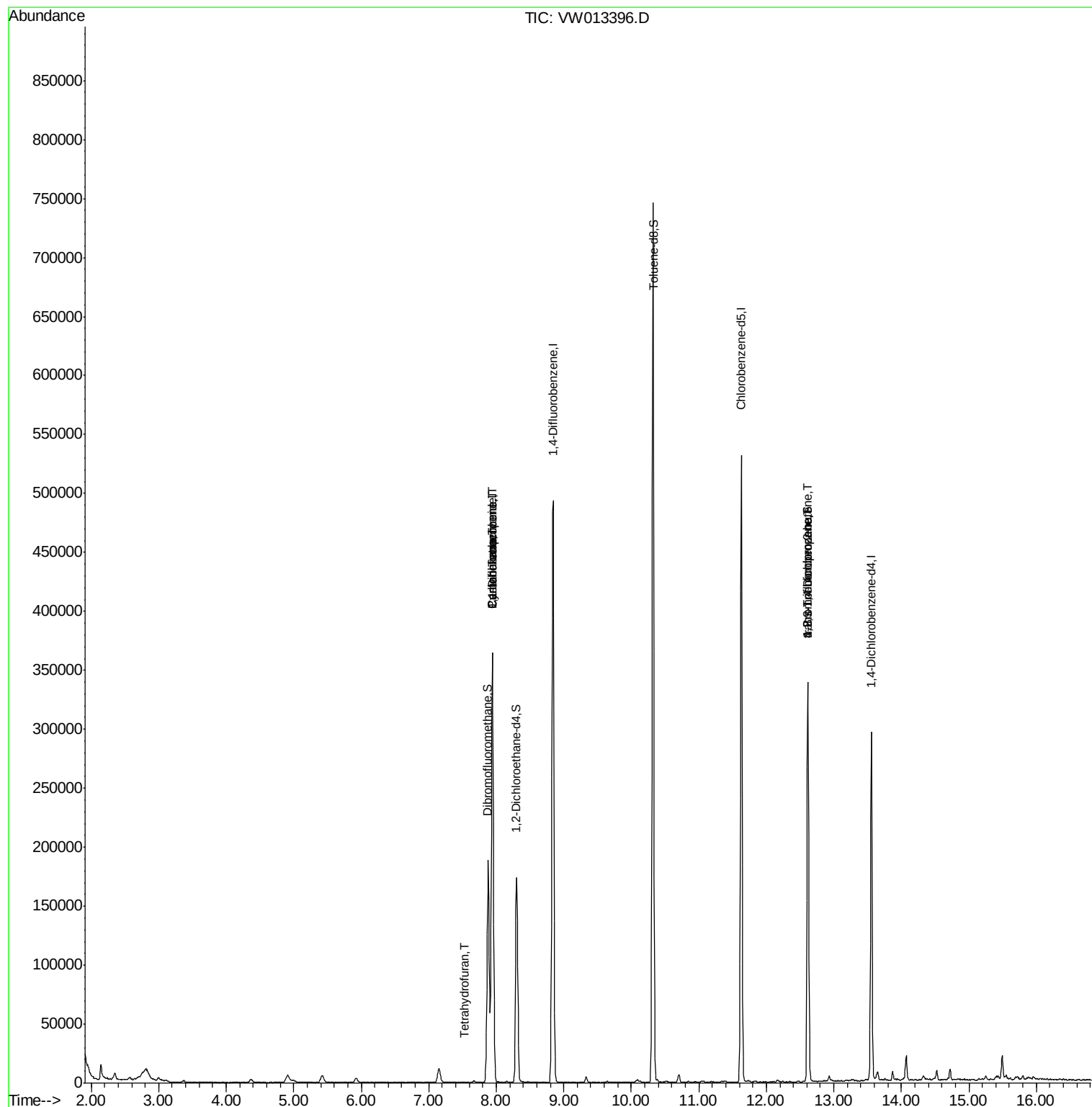
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	312154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136486	58.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.12%	
35) Dibromofluoromethane	7.88	113	134716	56.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.72%	
50) Toluene-d8	10.32	98	505527	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	110183	33.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.12%	
Target Compounds						
11) Tert butyl alcohol	5.15	59	183	Below Cal	#	73
20) Methylene Chloride	4.90	84	5069	Below Cal	#	83
26) 2,2-Dichloropropane	7.15	77	946	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	28	9.744	ug/l #	34
31) Cyclohexane	7.94	56	5642	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19636	4.682	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26198	7.211	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	50373	66.421	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50373	133.579	ug/l #	12

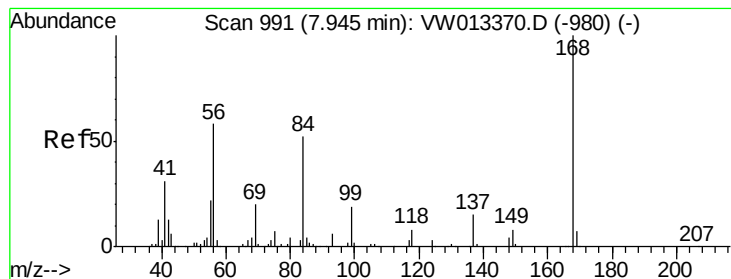
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 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: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

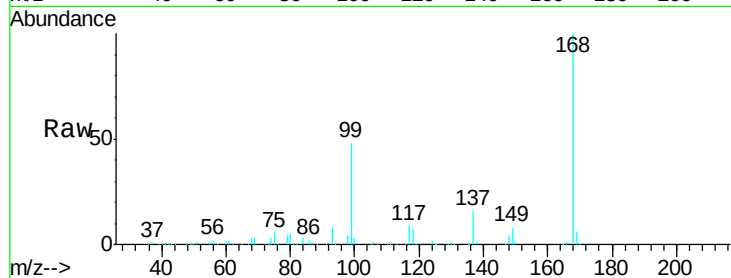
GP-2 (1-3)RE

Tgt Ion:168 Resp: 312154

Ion Ratio Lower Upper

168 100

99 48.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

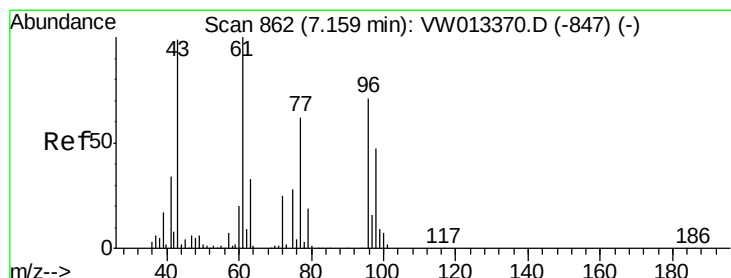
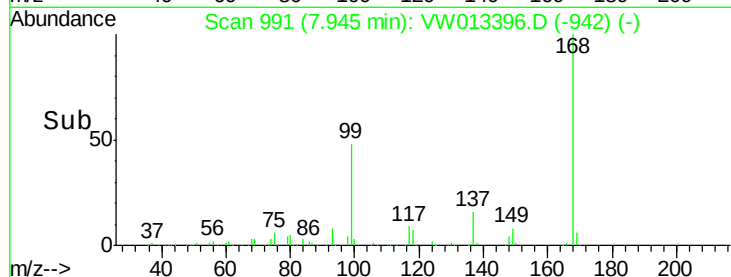
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013396.D

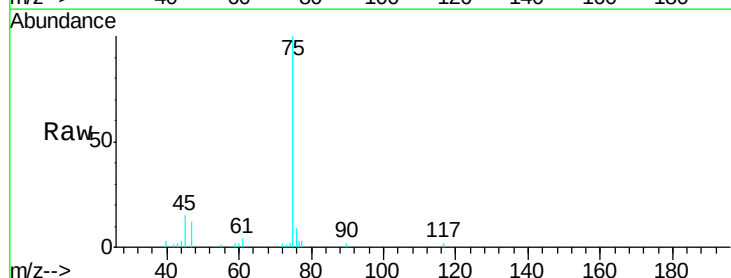
Acq: 02 Oct 2019 22:58

Tgt Ion: 77 Resp: 946

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

400

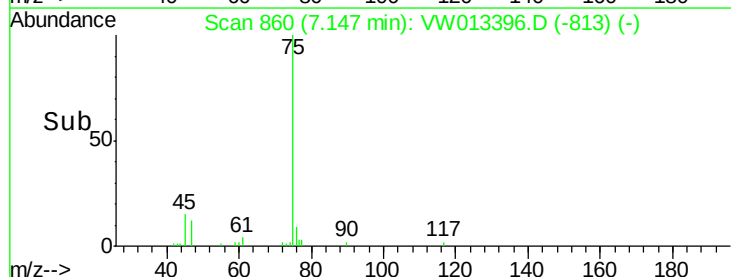
300

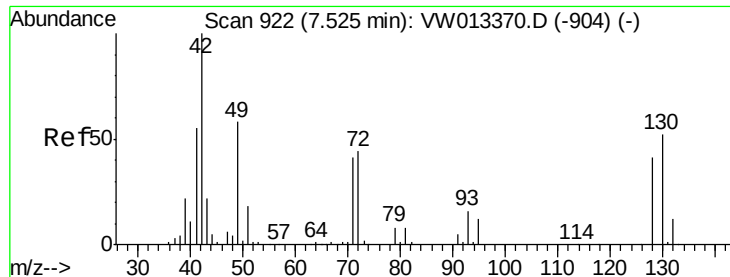
200

100

0

Time--> 7.10 7.15 7.20





#29

Tetrahydrofuran

Concen: 9.744 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

GP-2 (1-3)RE

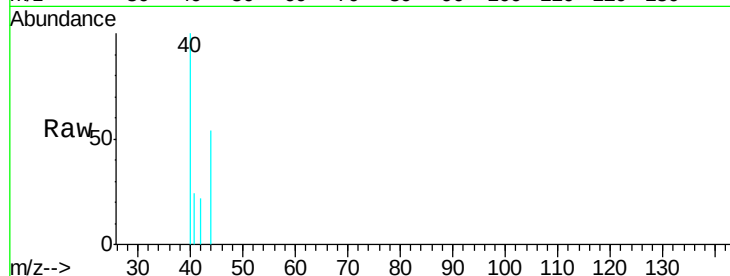
Tgt Ion: 42 Resp: 28

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

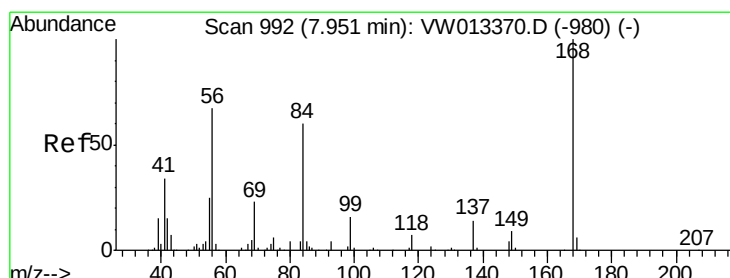
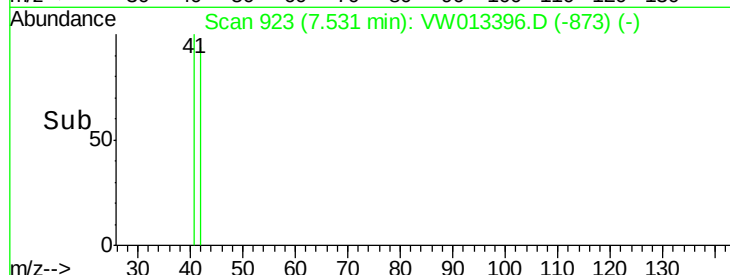
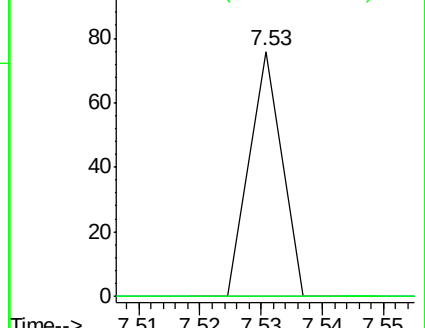
71 0.0 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

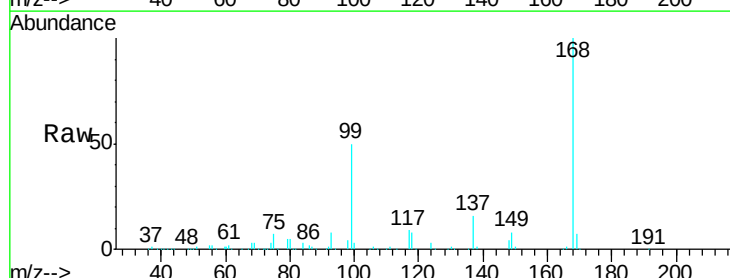
Tgt Ion: 56 Resp: 5642

Ion Ratio Lower Upper

56 100

69 159.5 27.2 40.8#

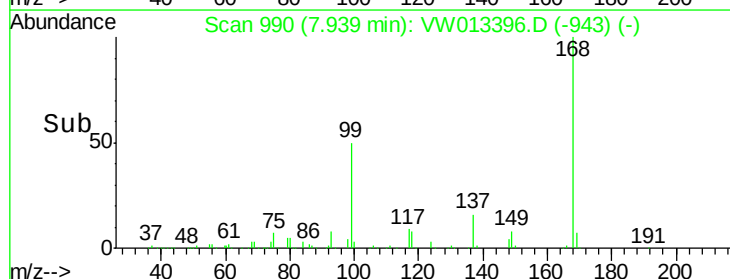
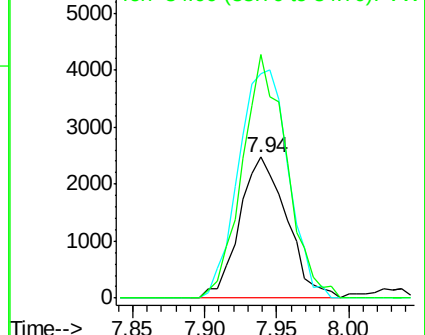
84 172.9 70.8 106.2#

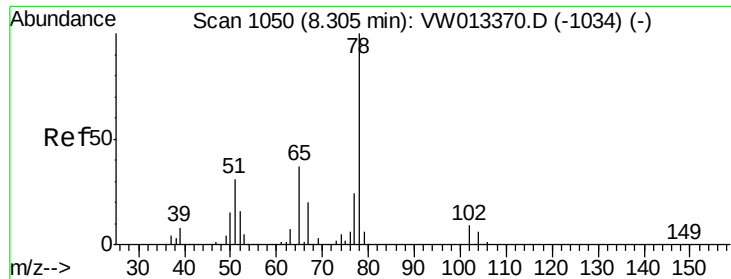


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

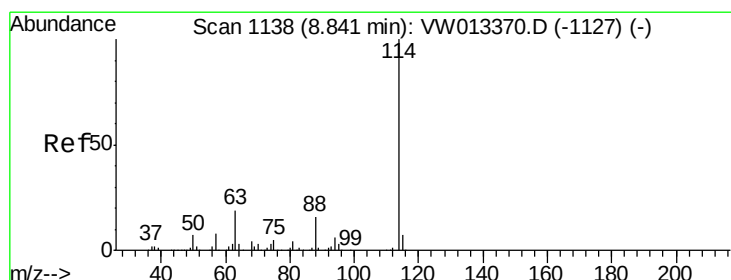
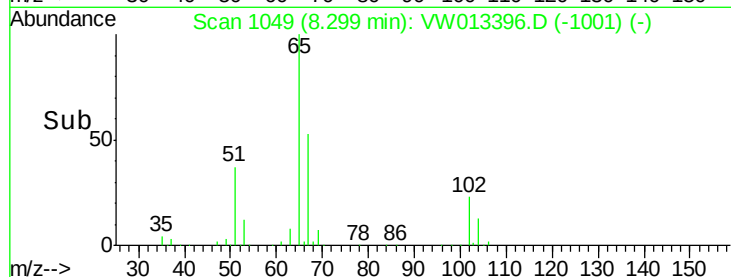
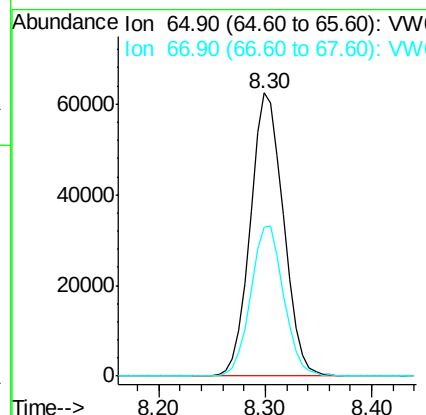
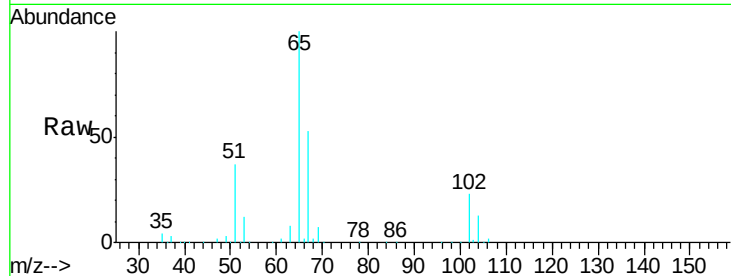




#33
 1,2-Dichloroethane-d4
 Concen: 58.558 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013396.D
 Acq: 02 Oct 2019 22:58

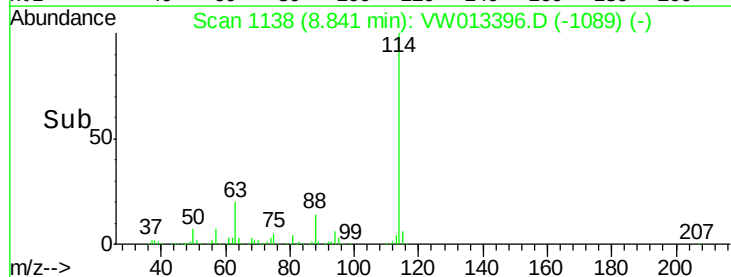
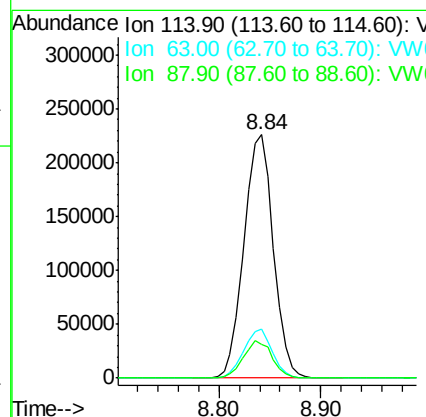
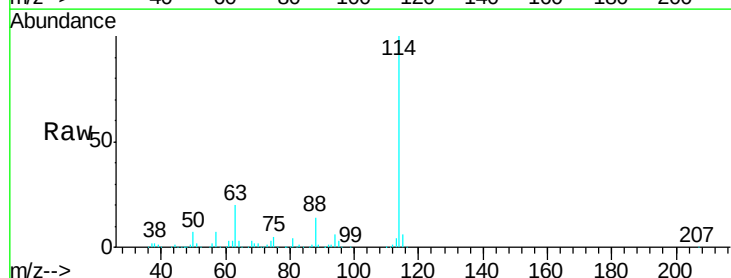
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (1-3)RE

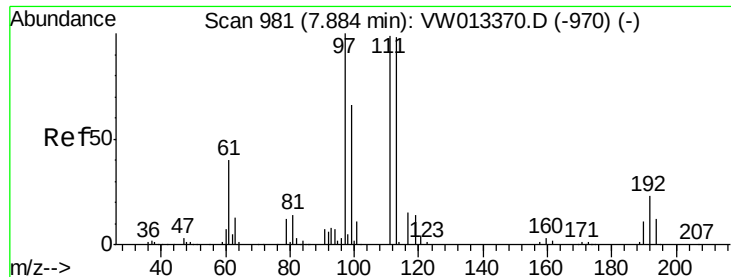
Tgt Ion: 65 Resp: 136486
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013396.D
 Acq: 02 Oct 2019 22:58

Tgt Ion: 114 Resp: 451523
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 13.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.860 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

GP-2 (1-3)RE

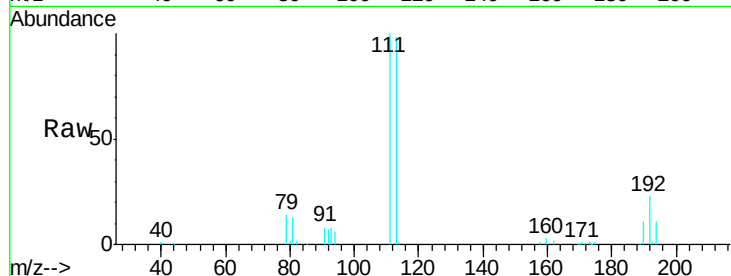
Tgt Ion: 113 Resp: 134716

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

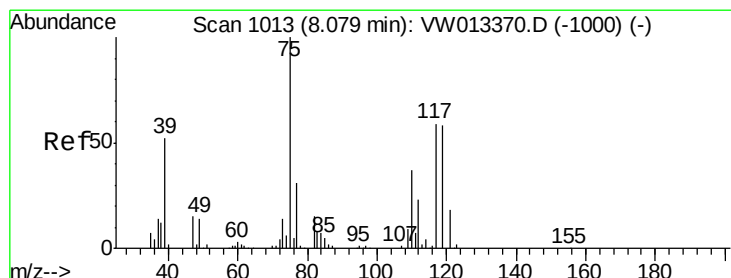
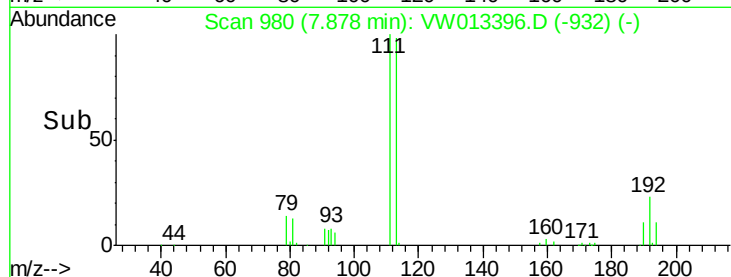
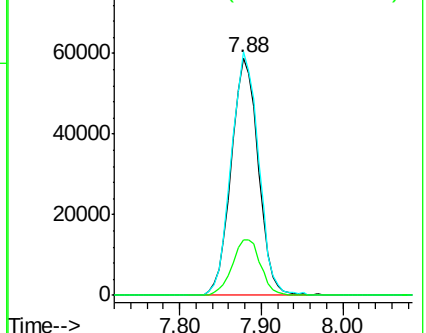
192 24.4 19.1 28.7



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: 4.682 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

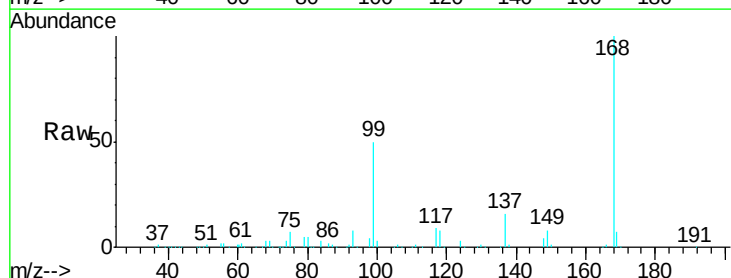
Tgt Ion: 75 Resp: 19636

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.3#

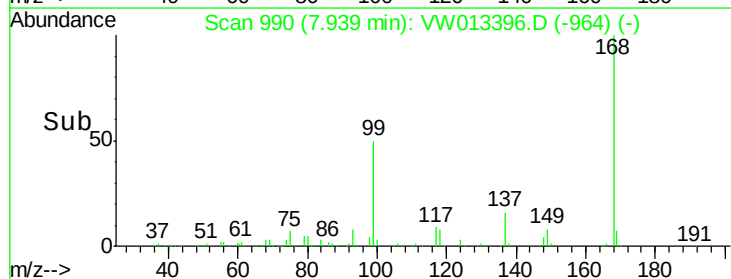
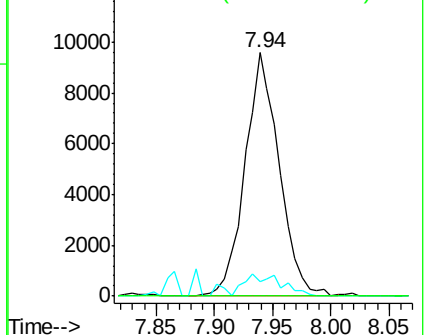
77 0.0 25.8 38.6#

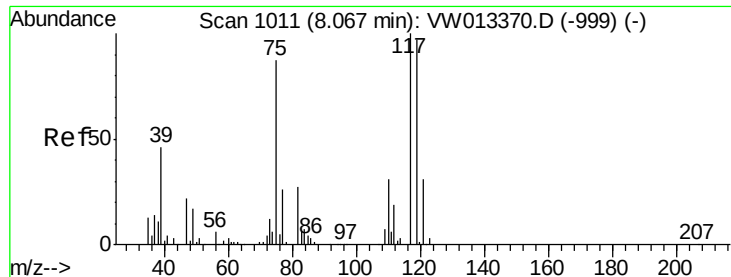


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

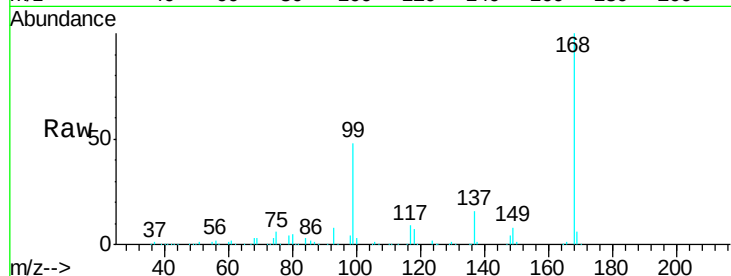




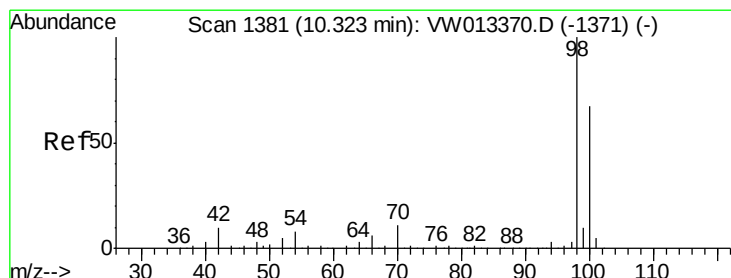
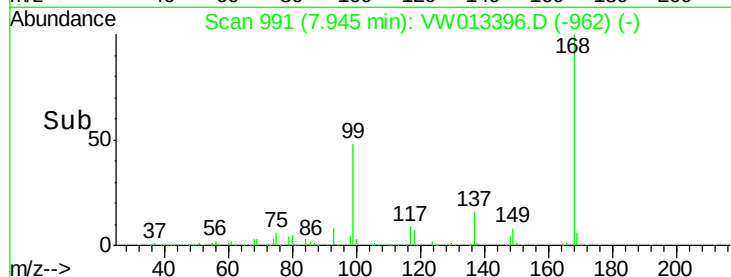
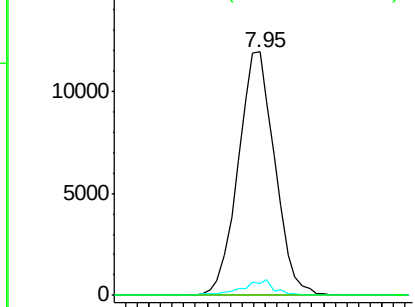
#38
Carbon Tetrachloride
Concen: 7.211 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013396.D
Acq: 02 Oct 2019 22:58

Instrument :
MSVOA_W
ClientSampleId :
GP-2 (1-3)RE

Tgt Ion: 117 Resp: 26198
Ion Ratio Lower Upper
117 100
119 4.7 73.5 110.3#
121 0.0 25.0 37.6#

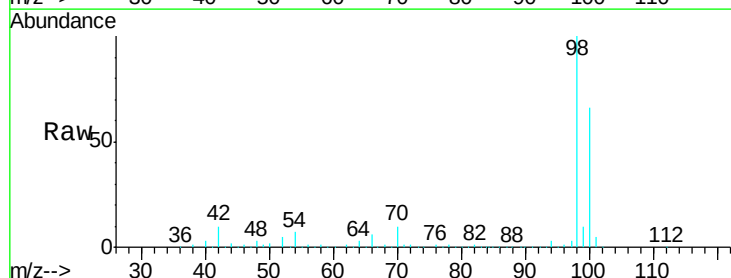


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

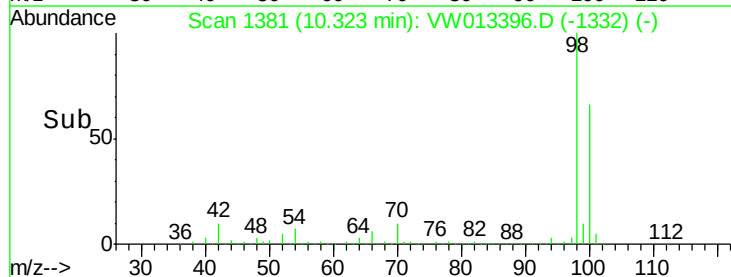
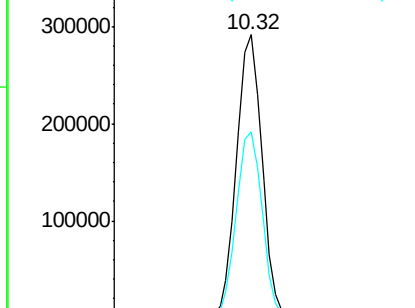


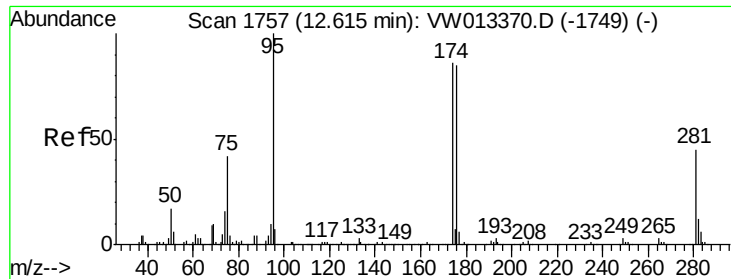
#50
Toluene-d8
Concen: 51.417 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013396.D
Acq: 02 Oct 2019 22:58

Tgt Ion: 98 Resp: 505527
Ion Ratio Lower Upper
98 100
100 67.0 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 33.559 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

GP-2 (1-3)RE

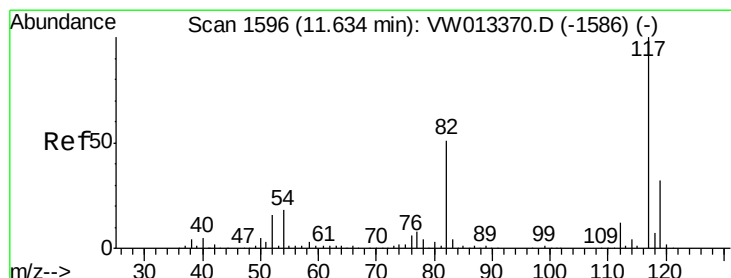
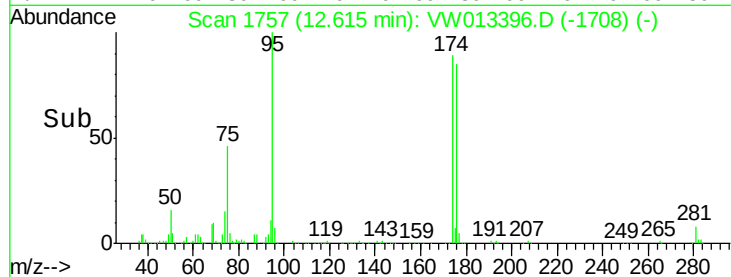
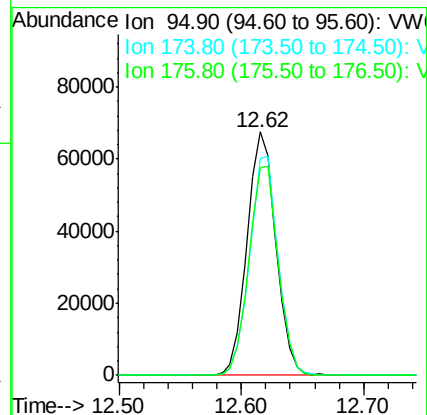
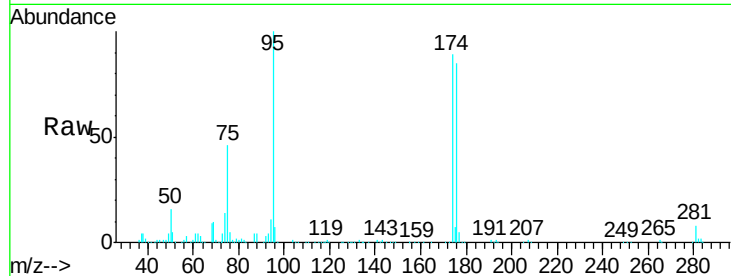
Tgt Ion: 95 Resp: 110183

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.4

176 87.9 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

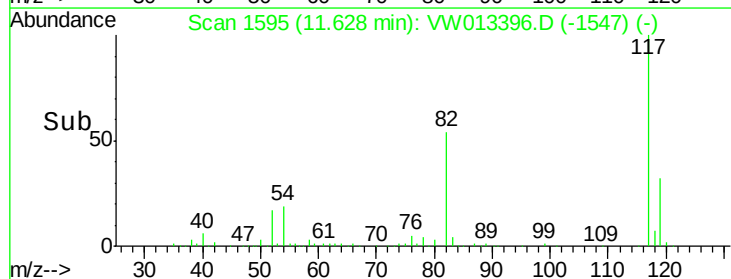
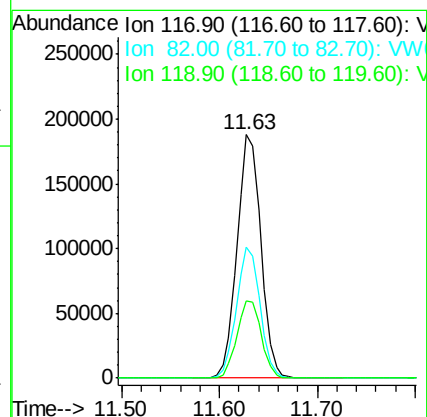
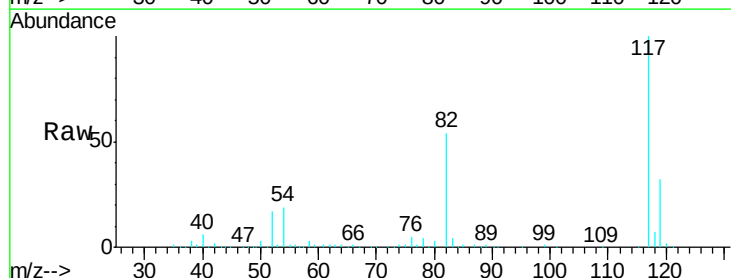
Tgt Ion: 117 Resp: 318209

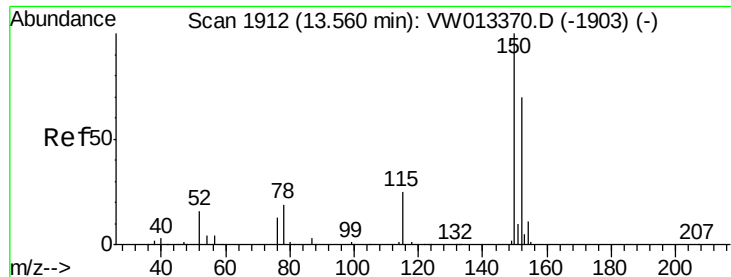
Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

119 31.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

GP-2 (1-3)RE

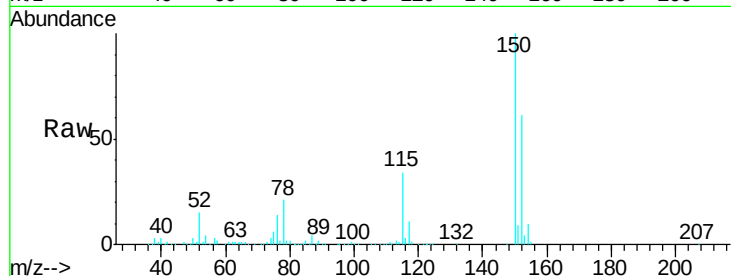
Tgt Ion:152 Resp: 85330

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

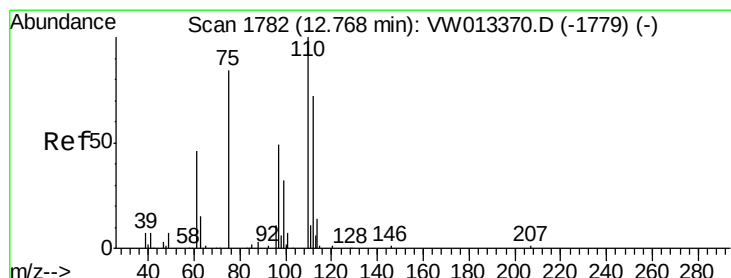
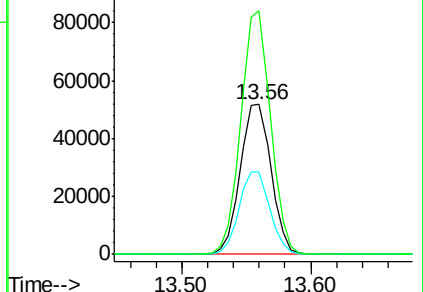
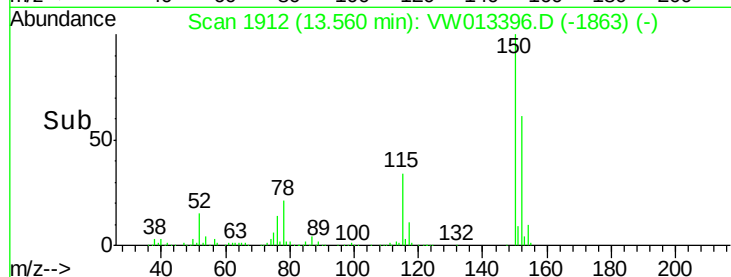
150 157.1 0.0 349.0



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: 66.421 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013396.D

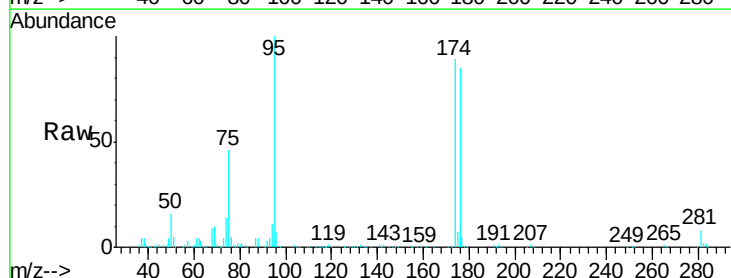
Acq: 02 Oct 2019 22:58

Tgt Ion: 75 Resp: 50373

Ion Ratio Lower Upper

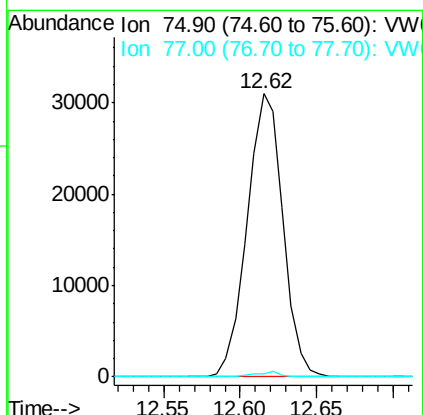
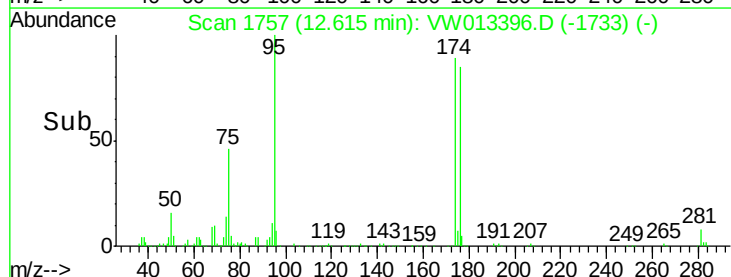
75 100

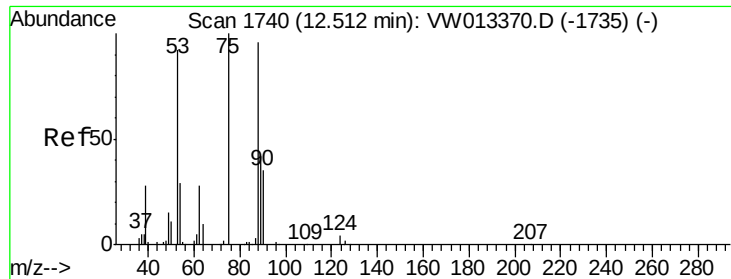
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 133.579 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013396.D

Acq: 02 Oct 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

GP-2 (1-3)RE

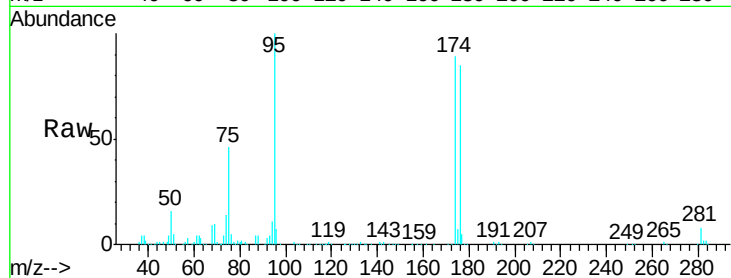
Tgt Ion: 75 Resp: 50373

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#



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

