

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013230.D
 Acq On : 23 Sep 2019 14:46
 Operator : SY/VA
 Sample : K4997-10
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-12-091919

Quant Time: Sep 24 06:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

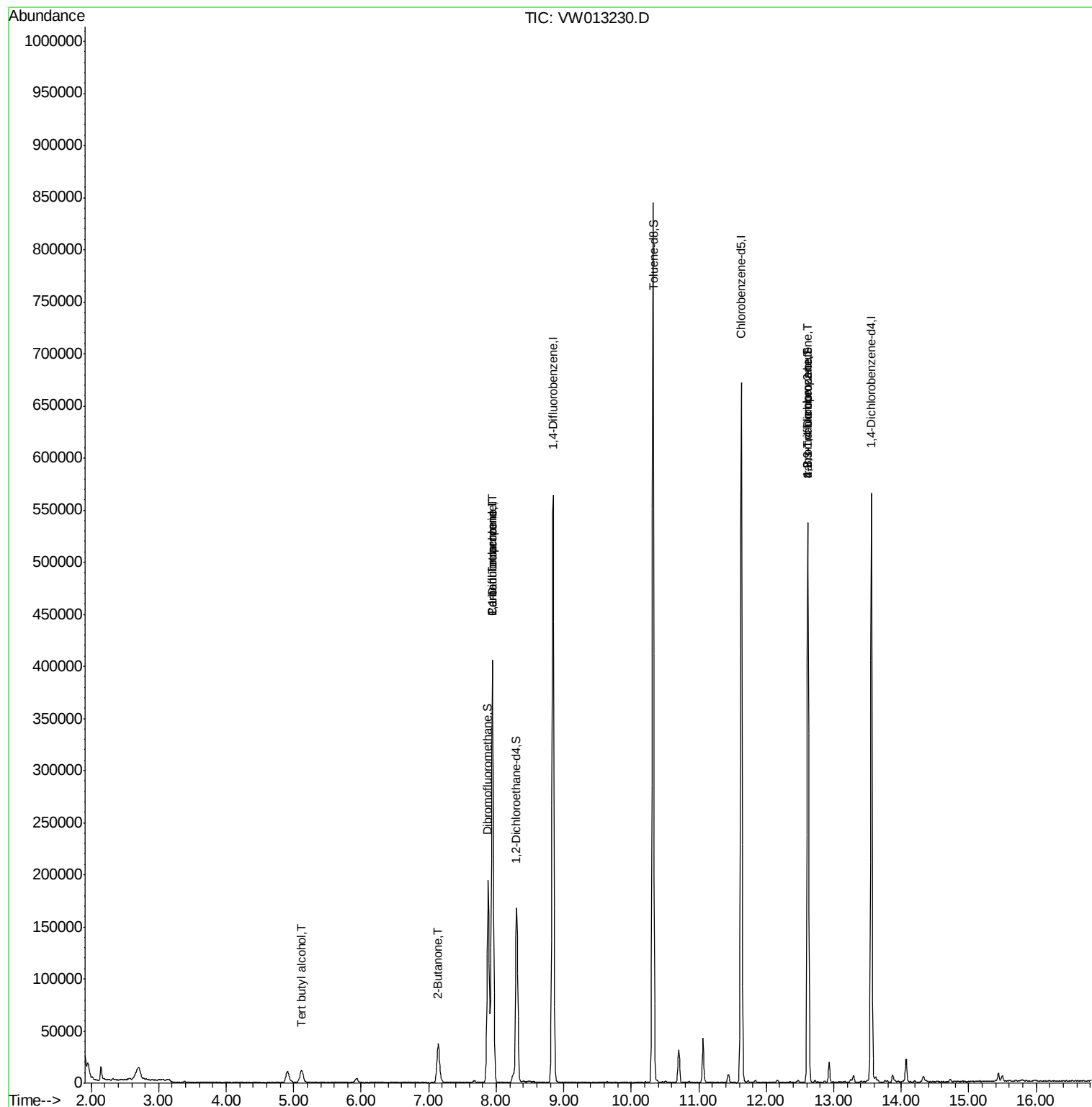
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	332881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161228	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136075	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
35) Dibromofluoromethane	7.88	113	138824	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
50) Toluene-d8	10.32	98	570902	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	164760	42.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.54%	
Target Compounds						
11) Tert butyl alcohol	5.10	59	11569	51.113	ug/l #	74
20) Methylene Chloride	4.91	84	8941	Below Cal		96
25) 2-Butanone	7.13	43	1972	2.144	ug/l #	88
26) 2,2-Dichloropropane	7.13	77	2669	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	22244	4.632	ug/l #	47
38) Carbon Tetrachloride	7.95	117	29836	6.931	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	78993	55.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78993	124.488	ug/l #	12

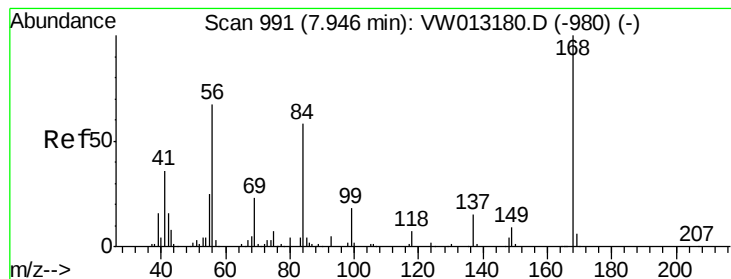
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

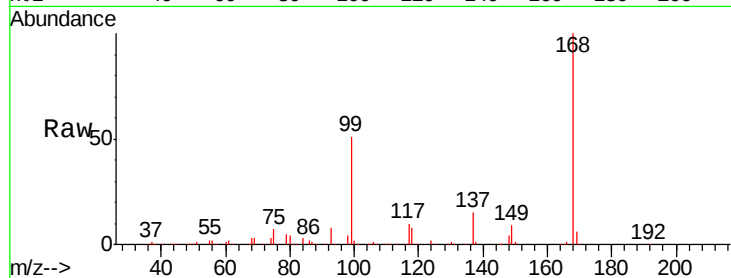
WC-12-091919

Tgt Ion: 168 Resp: 332881

Ion Ratio Lower Upper

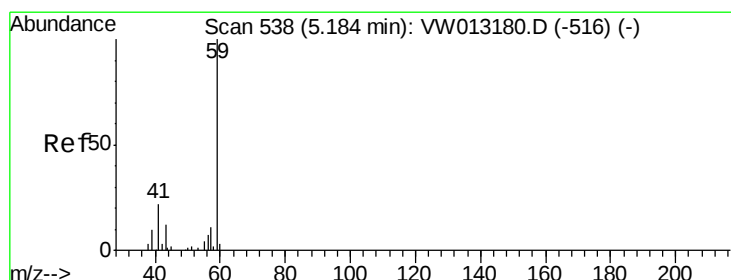
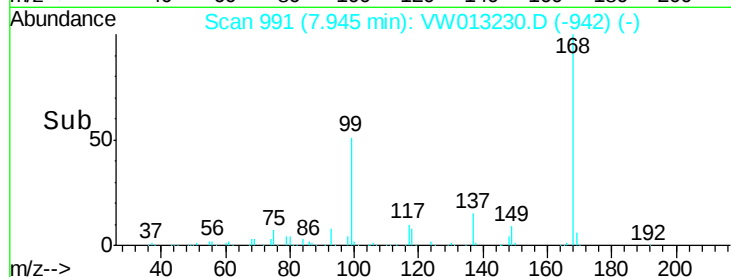
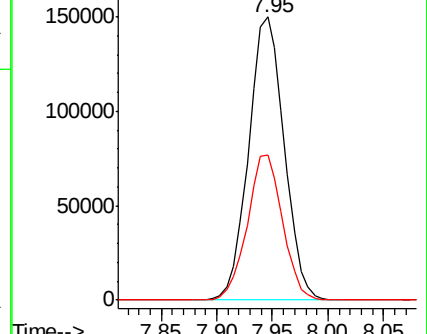
168 100

99 51.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 51.113 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.08 min

Lab File: VW013230.D

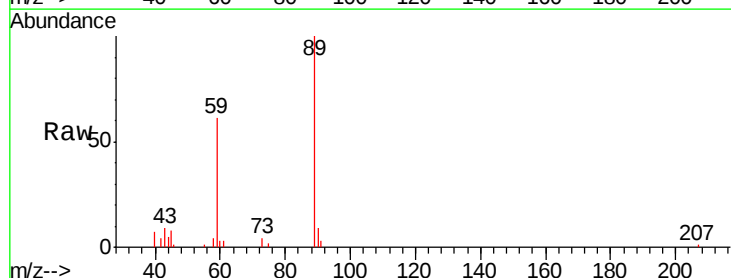
Acq: 23 Sep 2019 14:46

Tgt Ion: 59 Resp: 11569

Ion Ratio Lower Upper

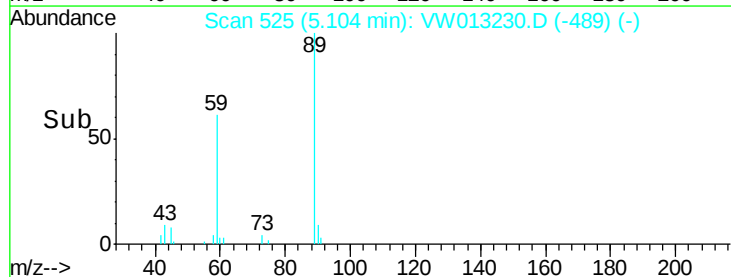
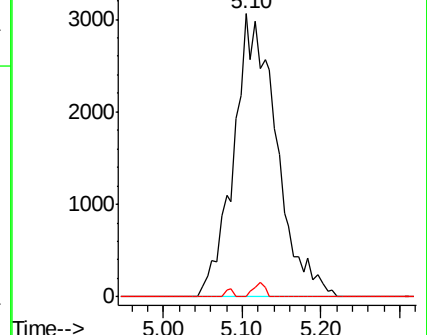
59 100

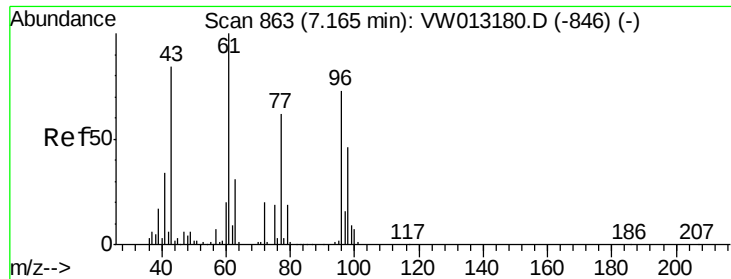
57 0.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#25

2-Butanone

Concen: 2.144 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

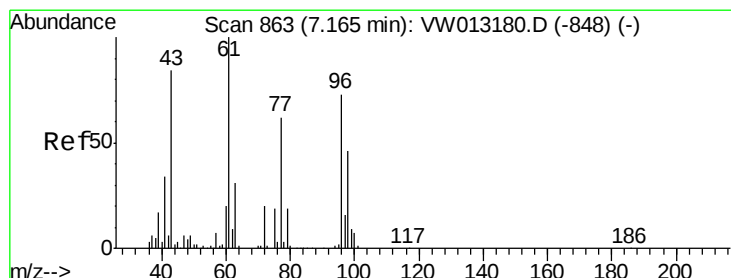
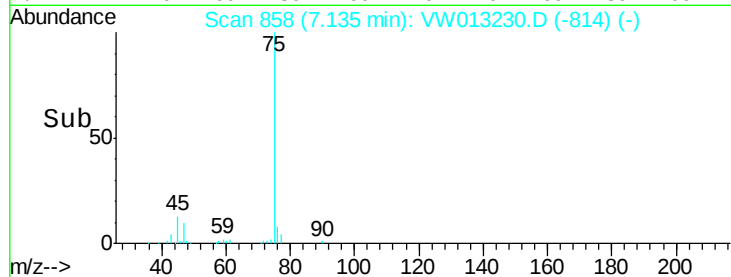
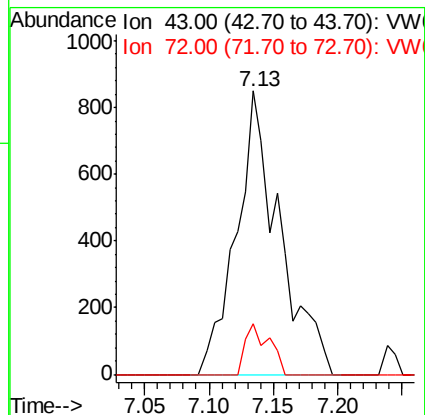
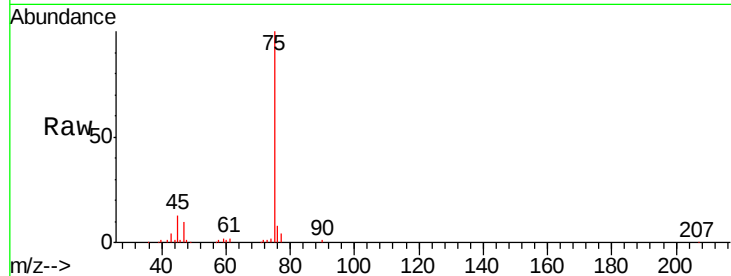
WC-12-091919

Tgt Ion: 43 Resp: 1972

Ion Ratio Lower Upper

43 100

72 18.0 19.4 29.0#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013230.D

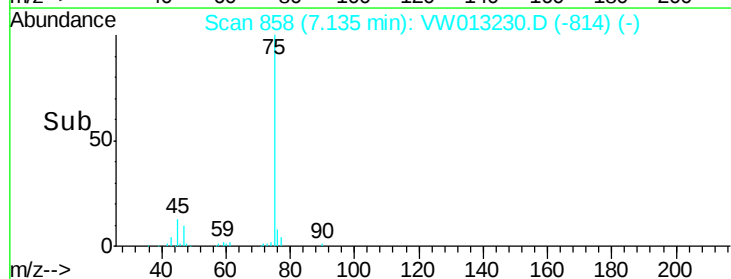
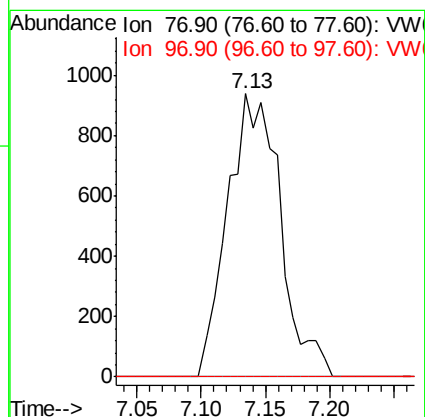
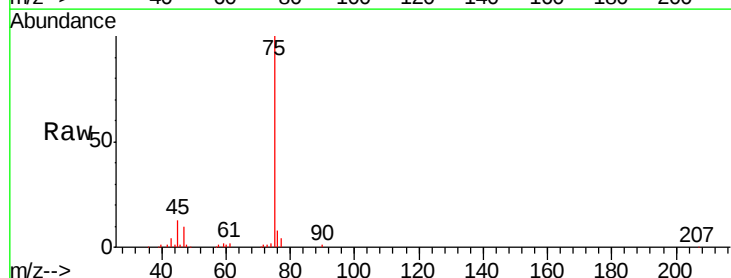
Acq: 23 Sep 2019 14:46

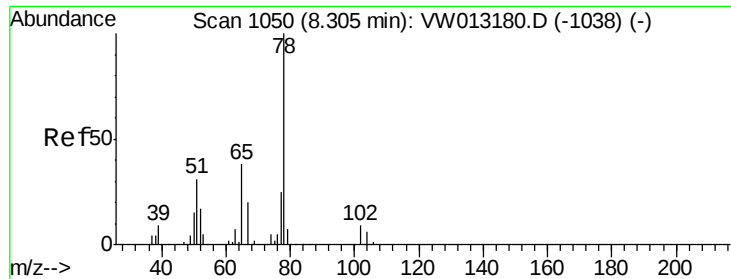
Tgt Ion: 77 Resp: 2669

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#33

1,2-Dichloroethane-d4

Concen: 50.087 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

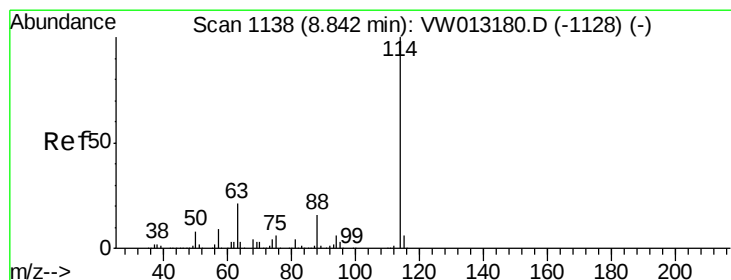
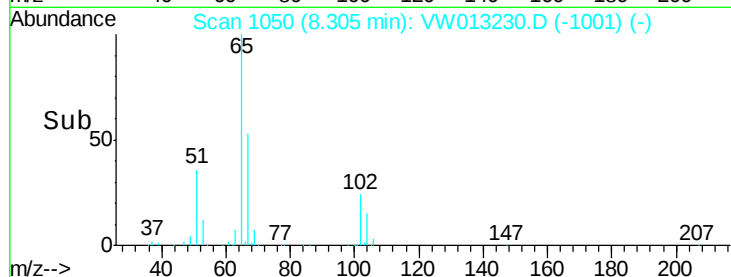
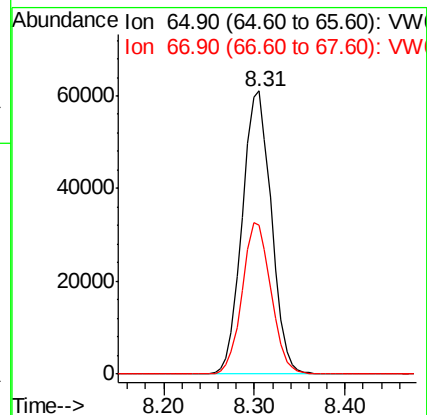
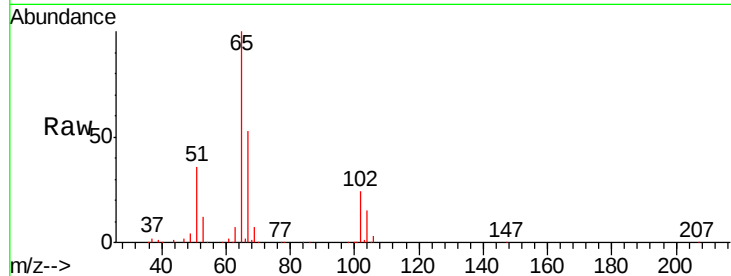
WC-12-091919

Tgt Ion: 65 Resp: 136075

Ion Ratio Lower Upper

65 100

67 52.8 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: VW013230.D

Acq: 23 Sep 2019 14:46

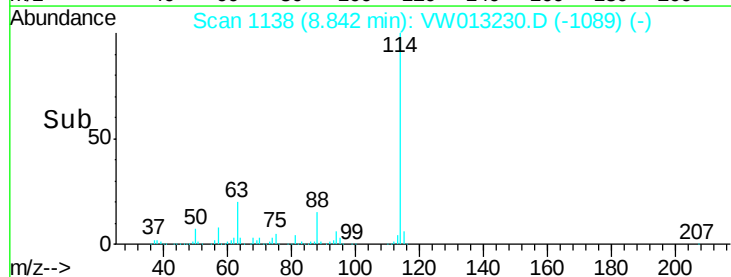
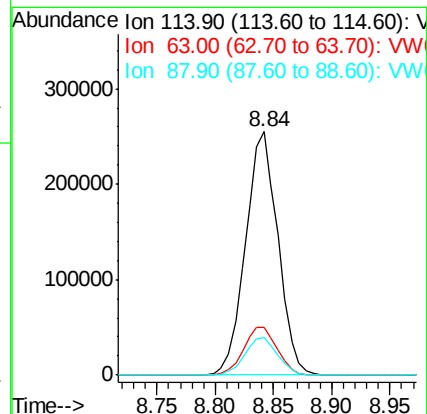
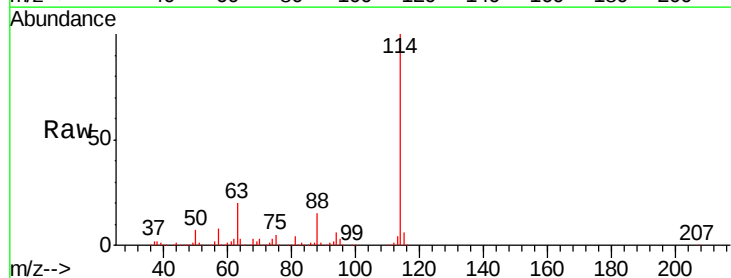
Tgt Ion: 114 Resp: 495764

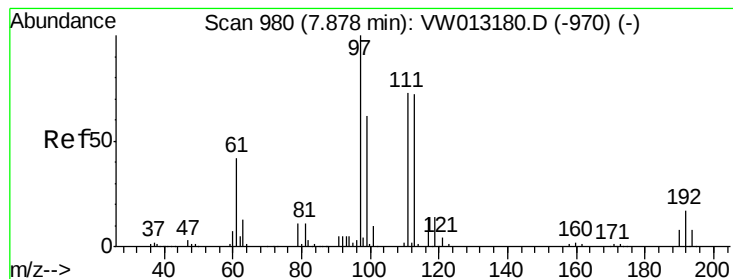
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.913 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

WC-12-091919

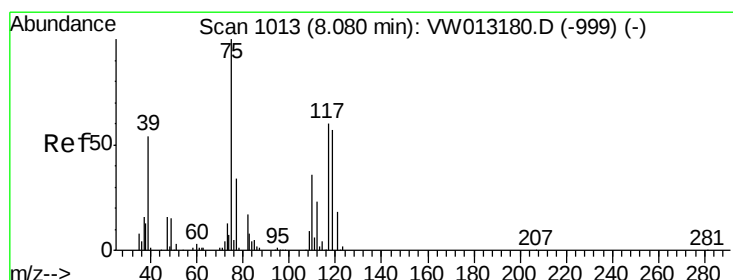
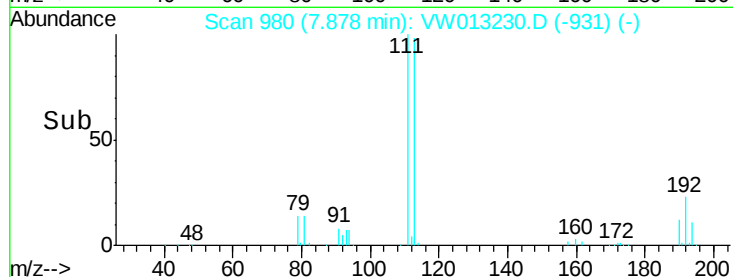
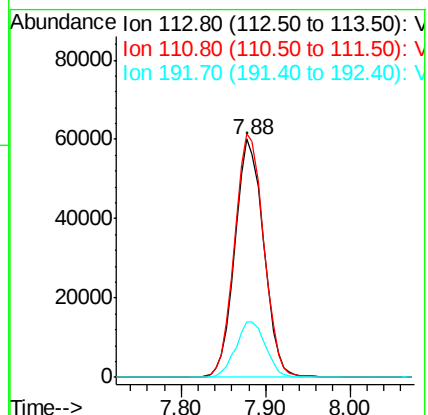
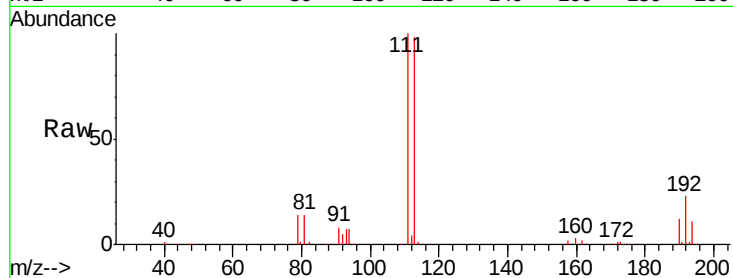
Tgt Ion: 113 Resp: 138824

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

192 24.0 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

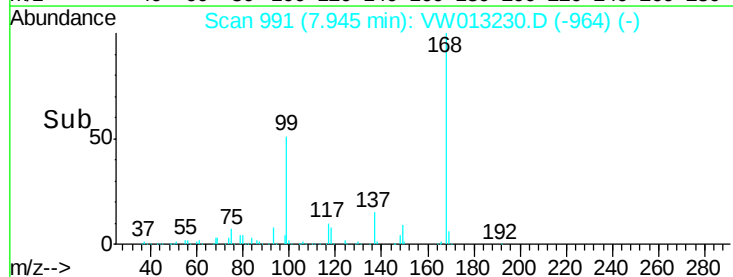
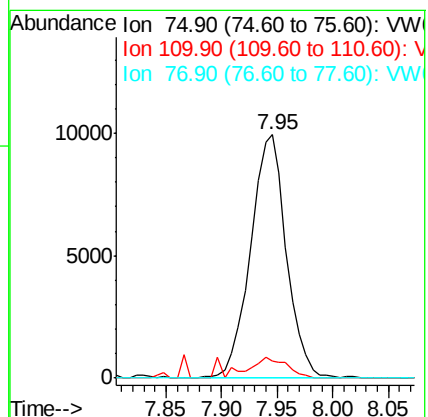
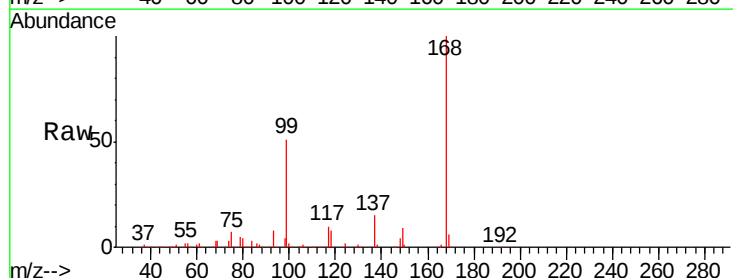
Tgt Ion: 75 Resp: 22244

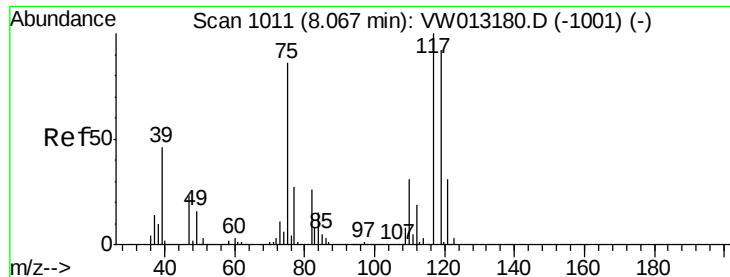
Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.3#

77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.931 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

WC-12-091919

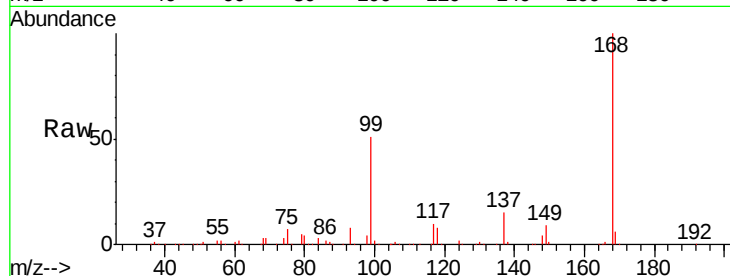
Tgt Ion:117 Resp: 29836

Ion Ratio Lower Upper

117 100

119 4.6 73.5 110.3#

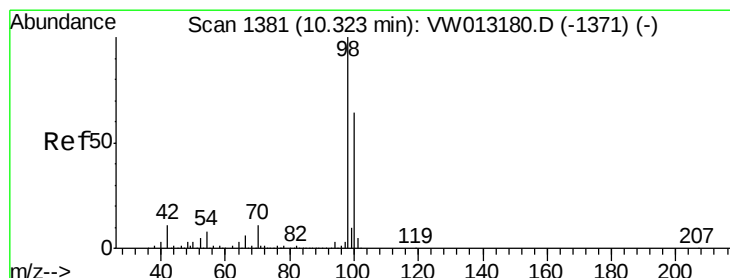
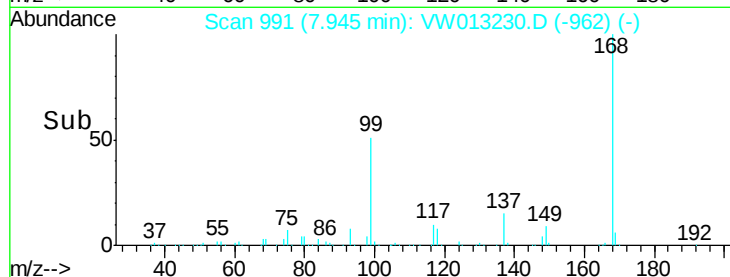
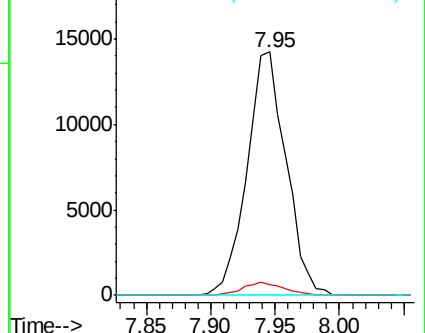
121 0.0 25.0 37.6#



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: 50.028 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013230.D

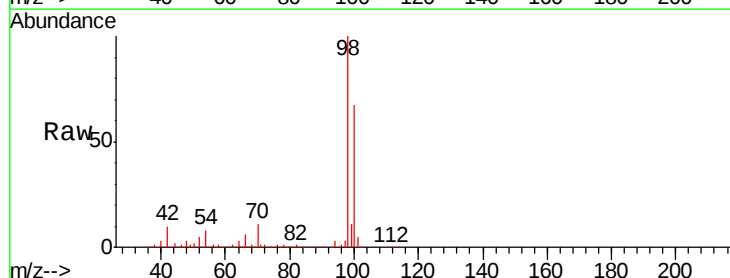
Acq: 23 Sep 2019 14:46

Tgt Ion: 98 Resp: 570902

Ion Ratio Lower Upper

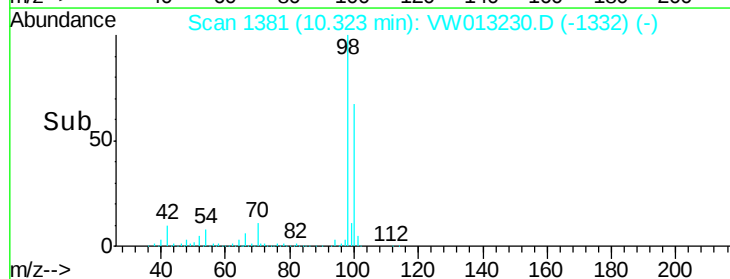
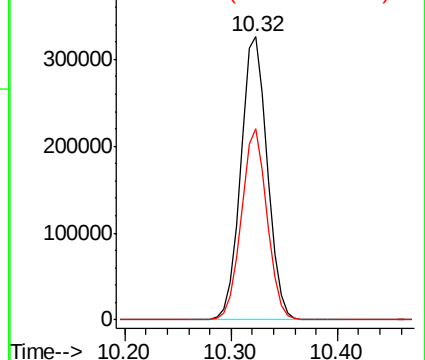
98 100

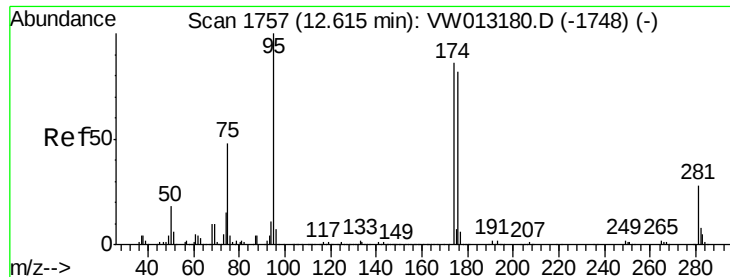
100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.267 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

WC-12-091919

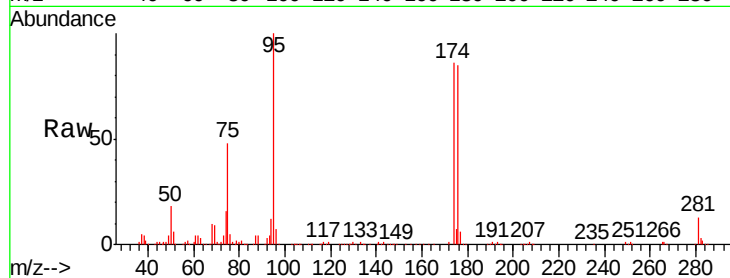
Tgt Ion: 95 Resp: 164760

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

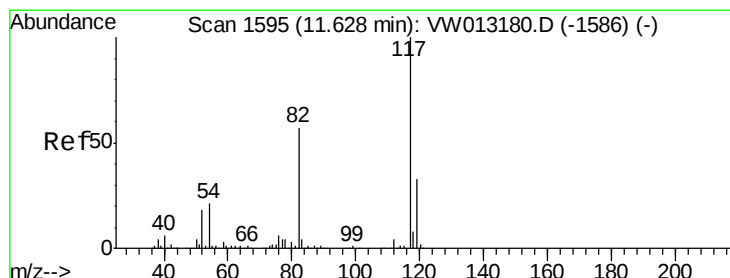
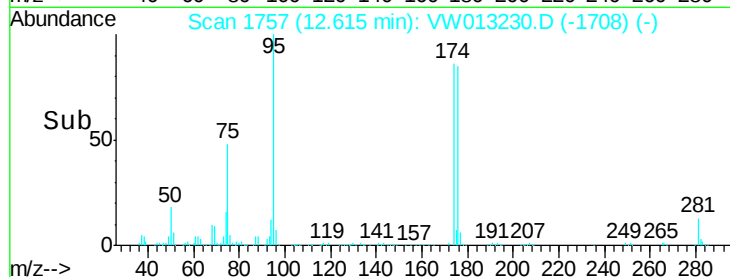
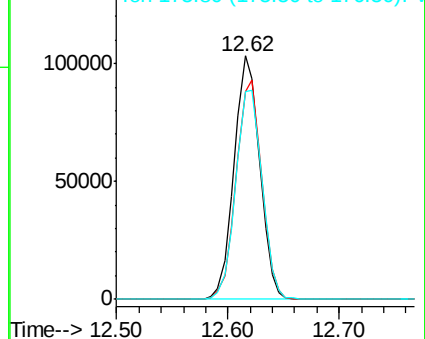
176 88.6 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

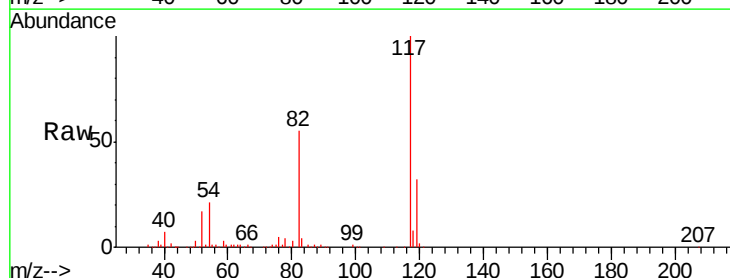
Tgt Ion: 117 Resp: 400348

Ion Ratio Lower Upper

117 100

82 54.9 45.9 68.9

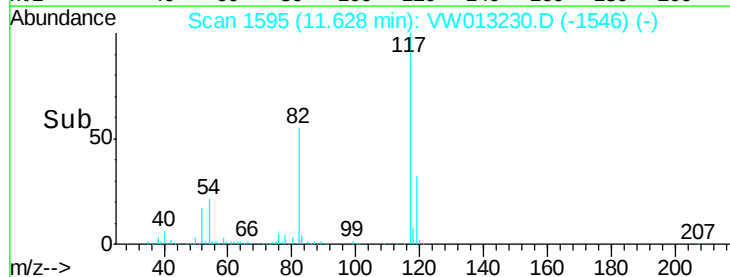
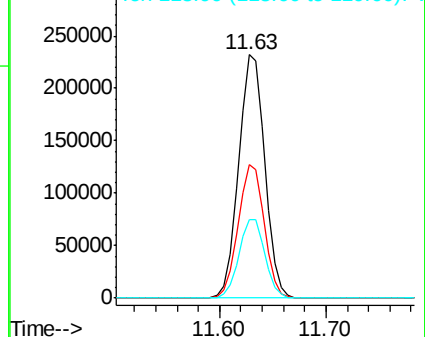
119 32.4 26.2 39.2

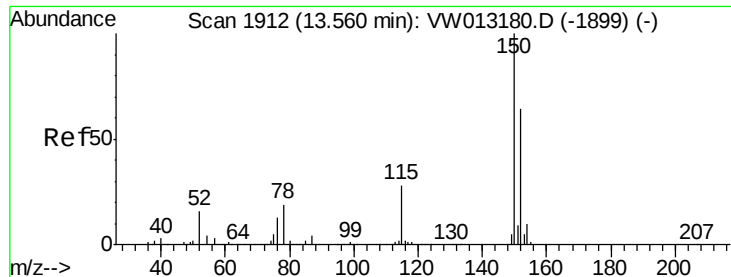


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

WC-12-091919

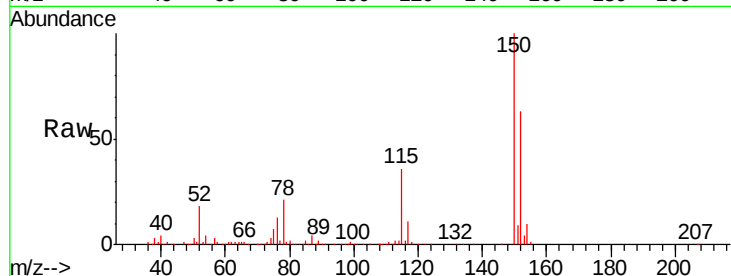
Tgt Ion:152 Resp: 161228

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

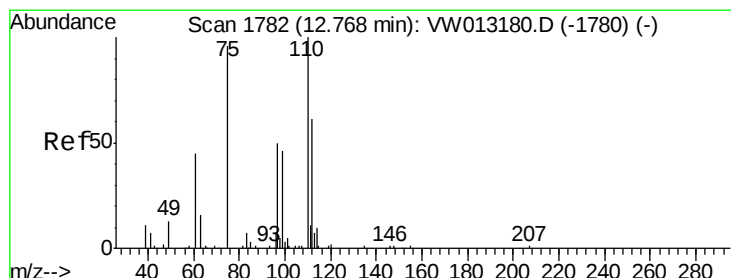
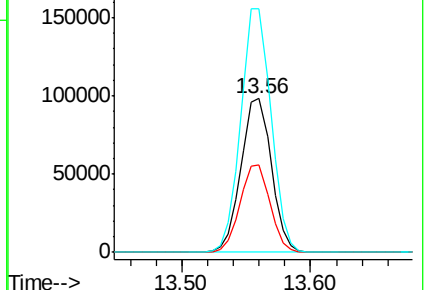
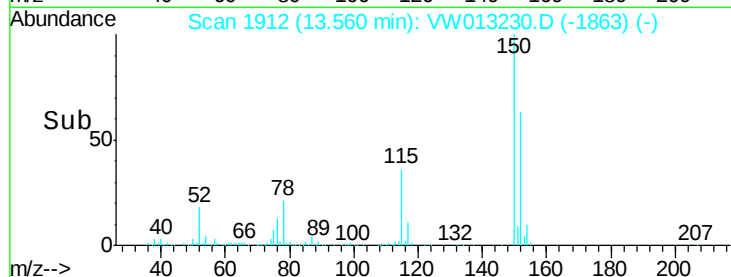
150 157.2 0.0 349.0



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: 55.478 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013230.D

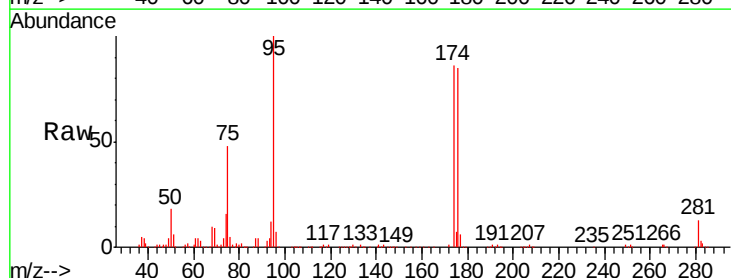
Acq: 23 Sep 2019 14:46

Tgt Ion: 75 Resp: 78993

Ion Ratio Lower Upper

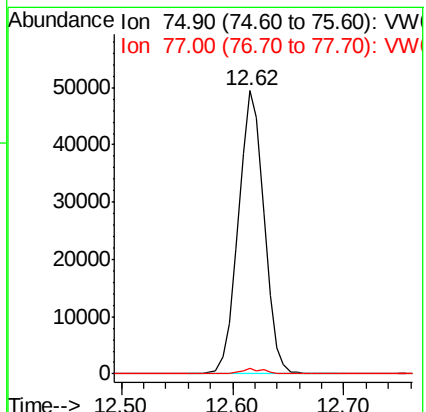
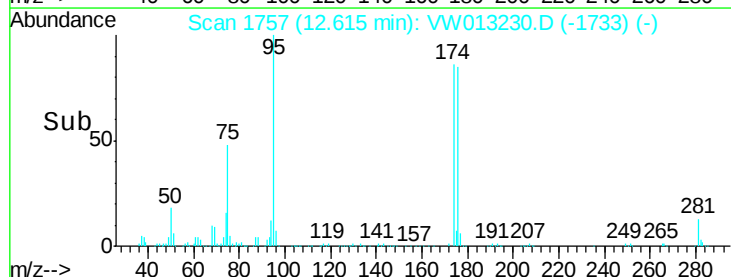
75 100

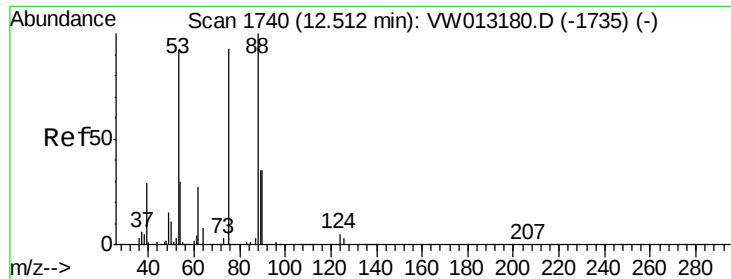
77 1.7 0.0 0.0#



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: 124.488 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013230.D

Acq: 23 Sep 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

WC-12-091919

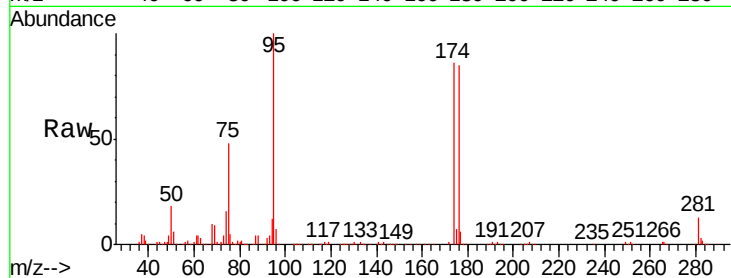
Tgt Ion: 75 Resp: 78993

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 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

