

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013191.D
 Acq On : 20 Sep 2019 19:17
 Operator : SY/VA
 Sample : K4825-11RE
 Misc : 4.64G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:53:55 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

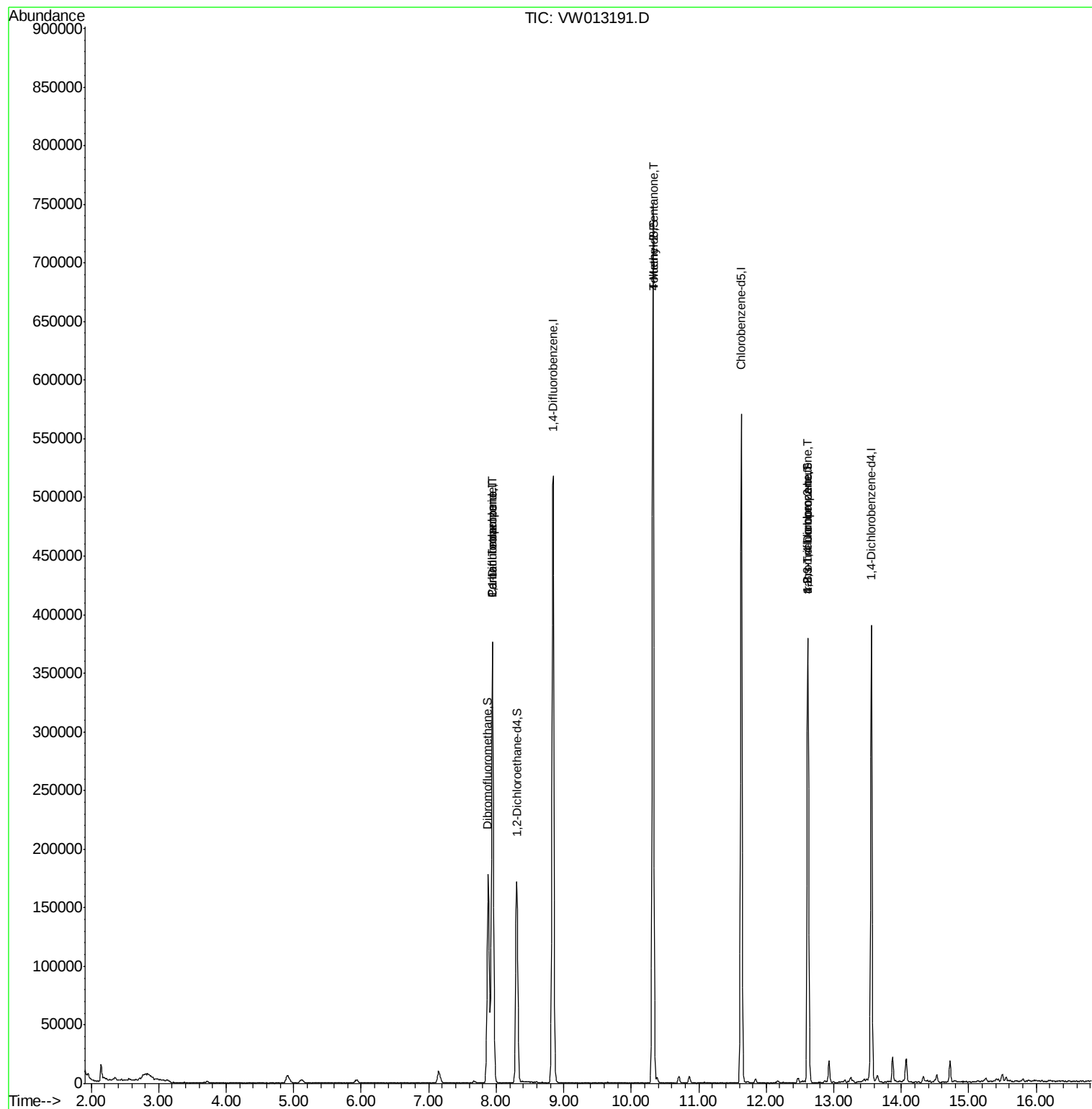
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	109029	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137498	55.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	132046	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
50) Toluene-d8	10.32	98	500905	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	128422	35.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.00%	
Target Compounds						
11) Tert butyl alcohol	5.21	59	108	Below Cal	#	73
20) Methylene Chloride	4.90	84	5888	Below Cal		94
26) 2,2-Dichloropropane	7.15	77	763	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	20662	4.637	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26756	6.699	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1892	1.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	61328	63.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61328	142.921	ug/l #	12

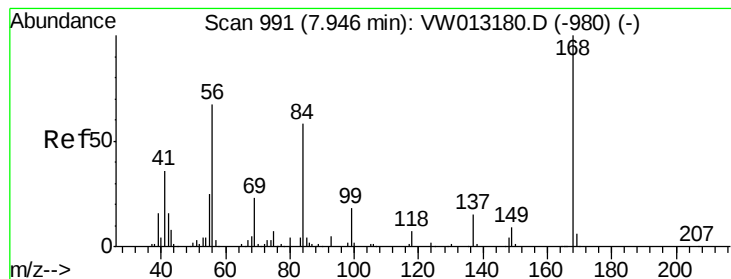
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013191.D

Acq: 20 Sep 2019 19:17

Instrument :

MSVOA_W

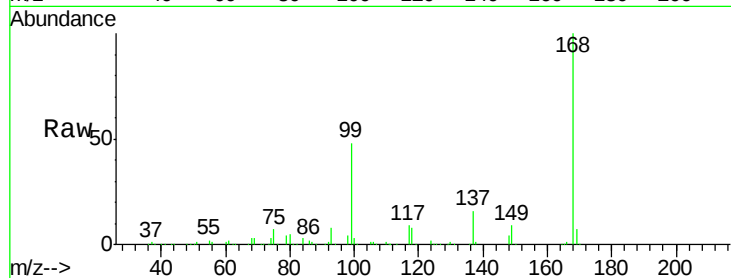
ClientSampleId :

Tot Ion:168 Resp: 304226

Ion Ratio Lower Upper

168 100

99 48.1 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

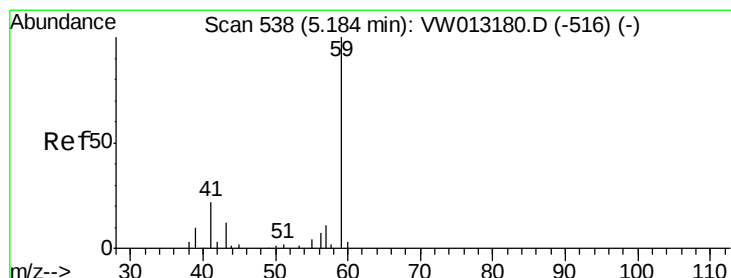
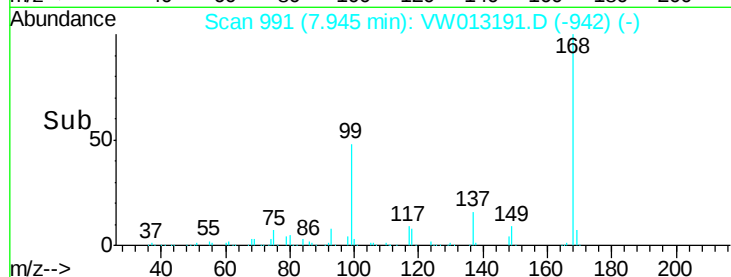
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW013191.D

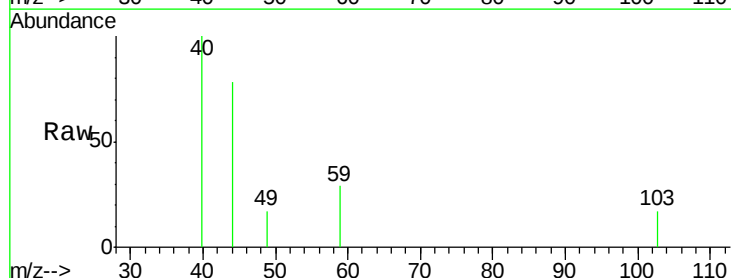
Acq: 20 Sep 2019 19:17

Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

120

100

80

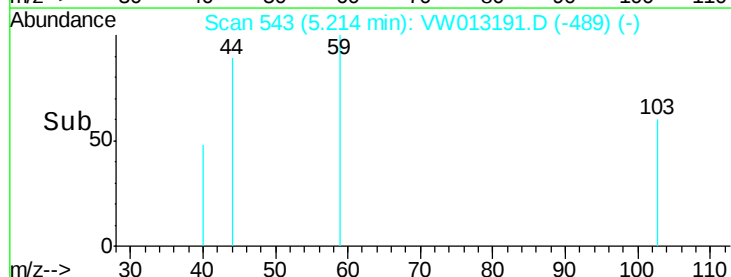
60

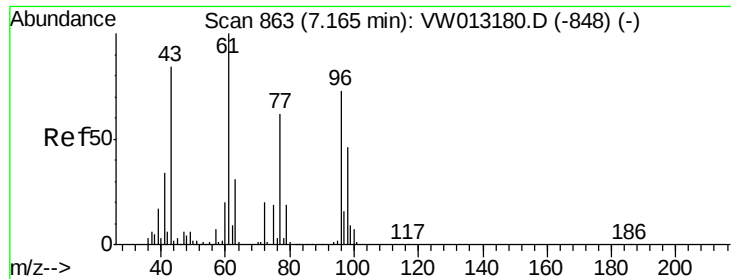
40

20

0

Time--> 5.18 5.20 5.22 5.24





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013191.D

Acq: 20 Sep 2019 19:17

Instrument :

MSVOA_W

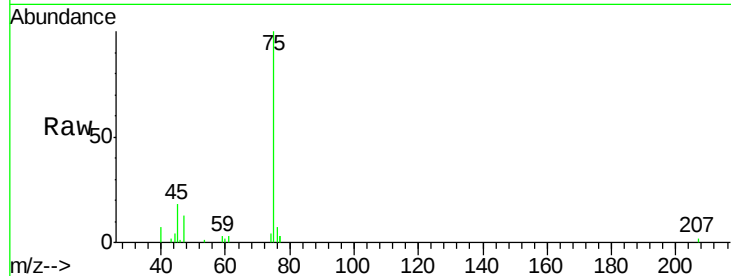
ClientSampleId :

Tot Ion: 77 Resp: 763

Ion Ratio Lower Upper

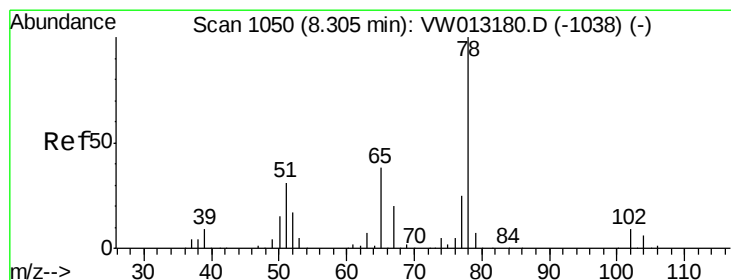
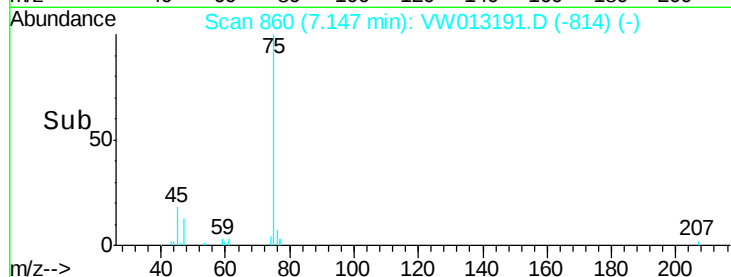
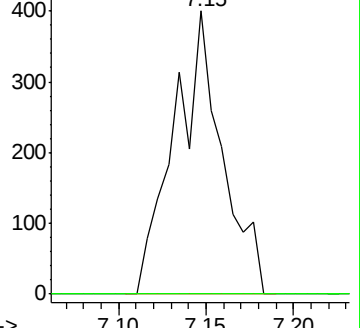
77 100

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



#33

1,2-Dichloroethane-d4

Concen: 55.377 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013191.D

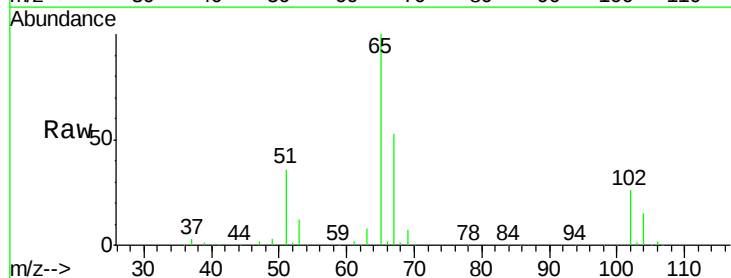
Acq: 20 Sep 2019 19:17

Tgt Ion: 65 Resp: 137498

Ion Ratio Lower Upper

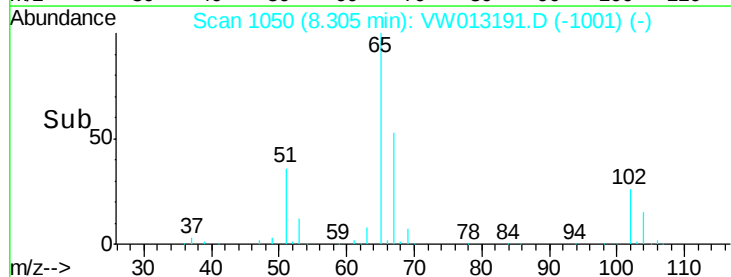
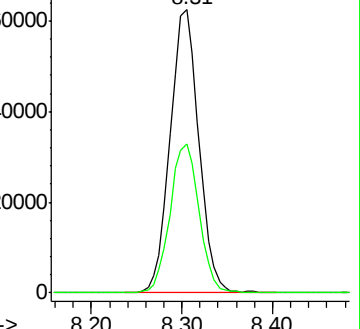
65 100

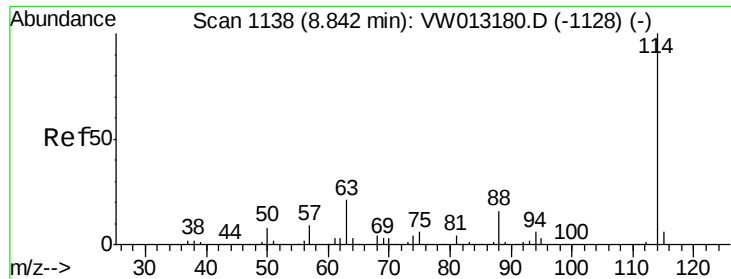
67 53.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013191.D

Acq: 20 Sep 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

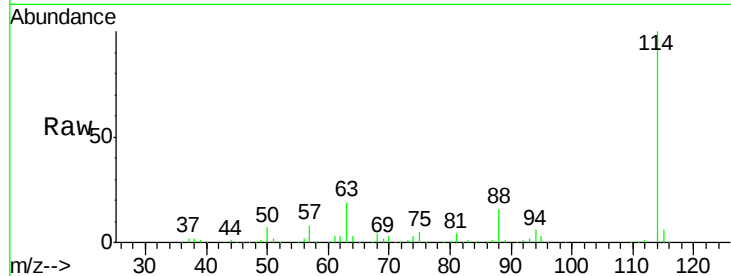
Tot Ion:114 Resp: 460037

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

88 15.7 0.0 32.0



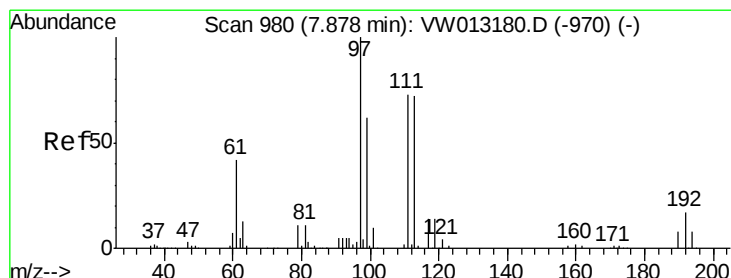
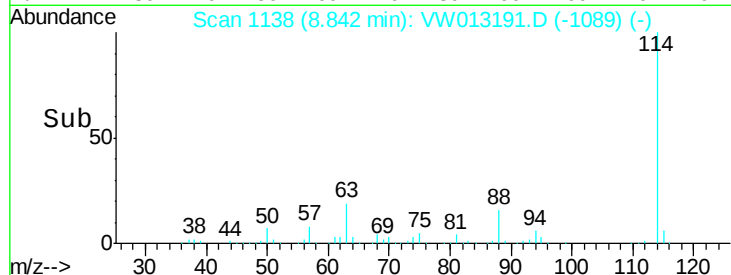
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

Time-->



#35

Dibromofluoromethane

Concen: 52.188 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013191.D

Acq: 20 Sep 2019 19:17

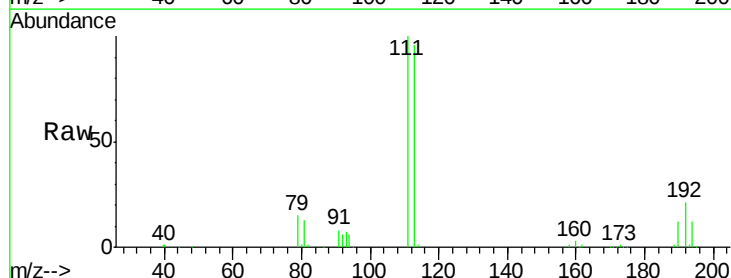
Tgt Ion:113 Resp: 132046

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 22.7 19.1 28.7



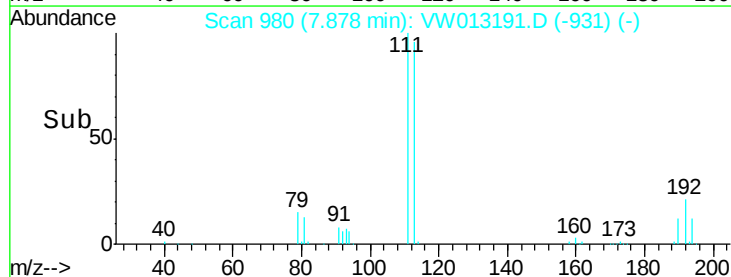
Abundance Ion 112.80 (112.50 to 113.50): V

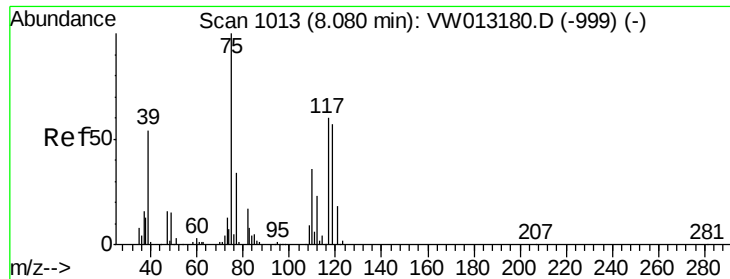
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.88

Time-->

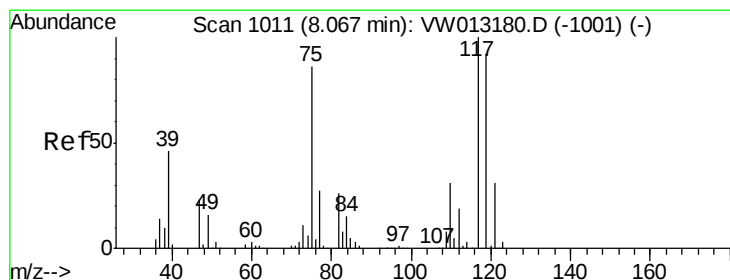
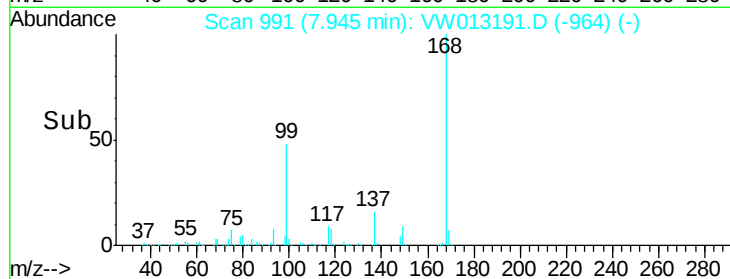
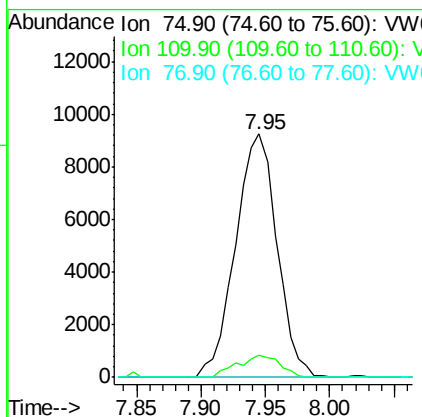
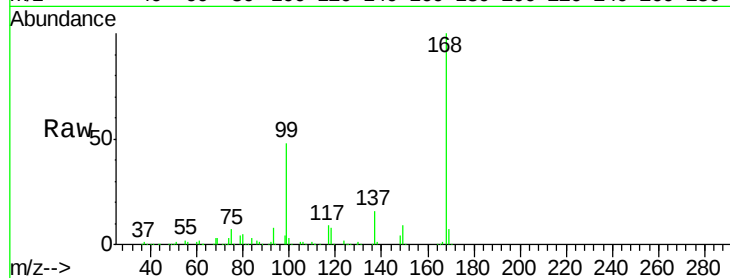




#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013191.D
 Acq: 20 Sep 2019 19:17

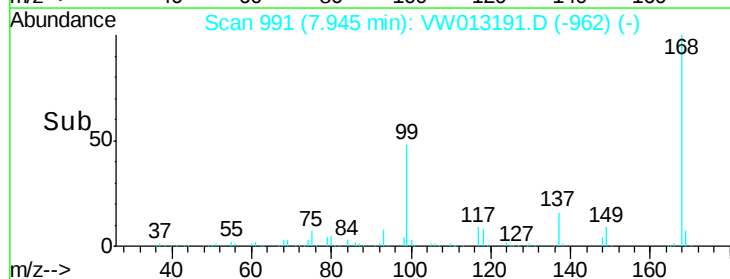
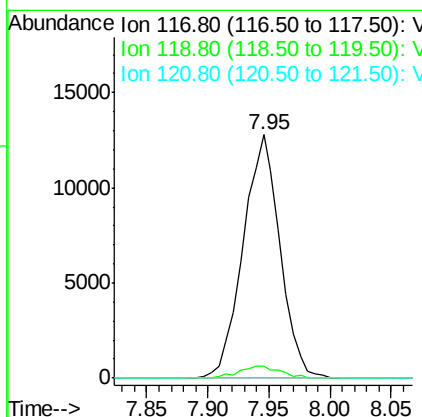
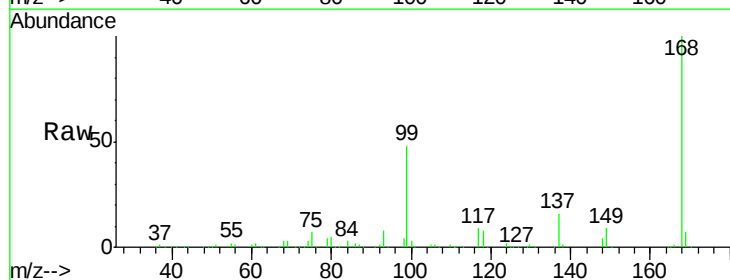
Instrument :
 MSVOA_W
 ClientSampleId :

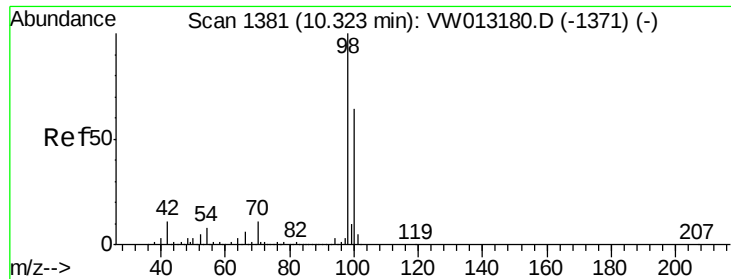
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.699 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013191.D
 Acq: 20 Sep 2019 19:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 47.303 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013191.D

Acq: 20 Sep 2019 19:17

Instrument :

MSVOA_W

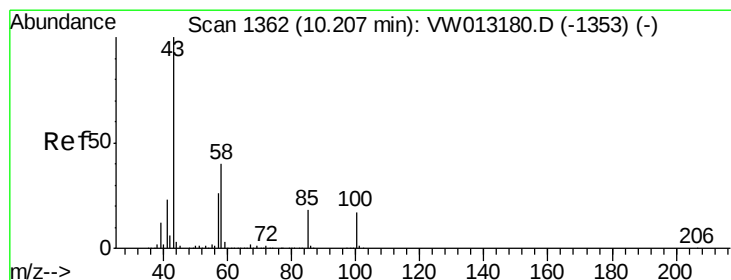
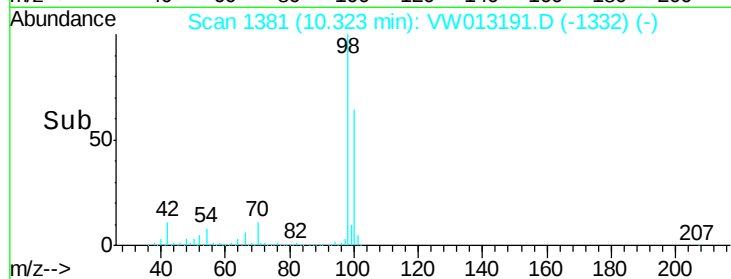
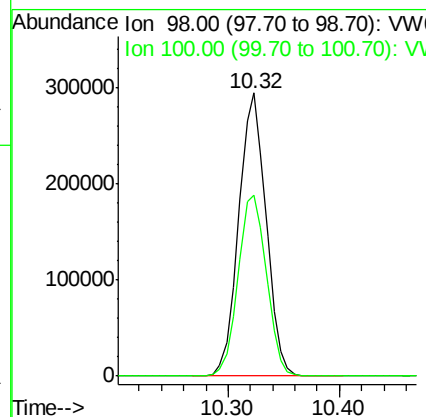
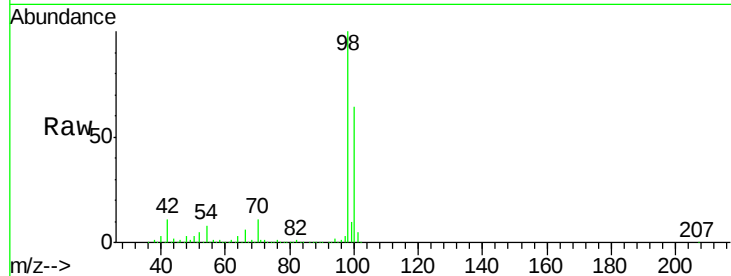
ClientSampleId :

Tot Ion: 98 Resp: 500905

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013191.D

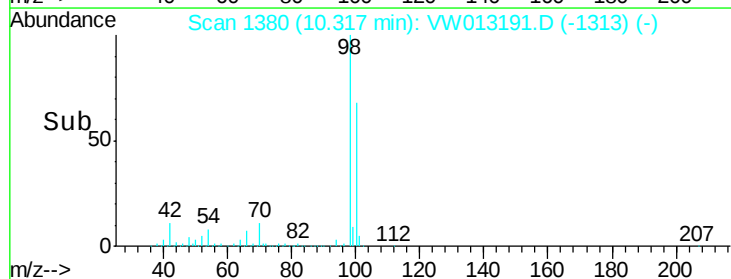
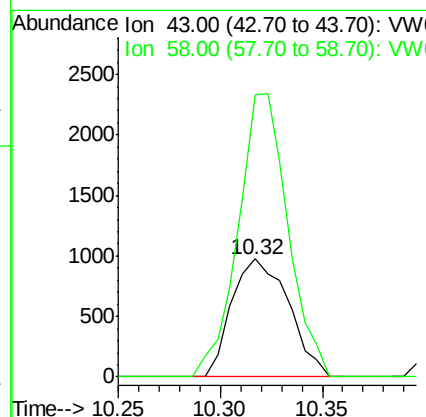
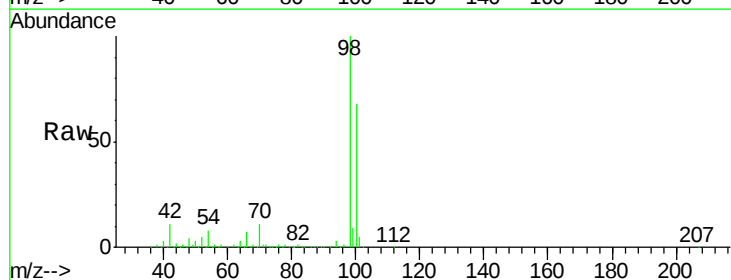
Acq: 20 Sep 2019 19:17

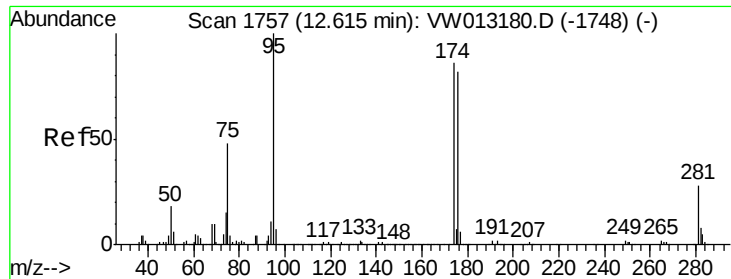
Tgt Ion: 43 Resp: 1892

Ion Ratio Lower Upper

43 100

58 209.6 31.7 47.5#

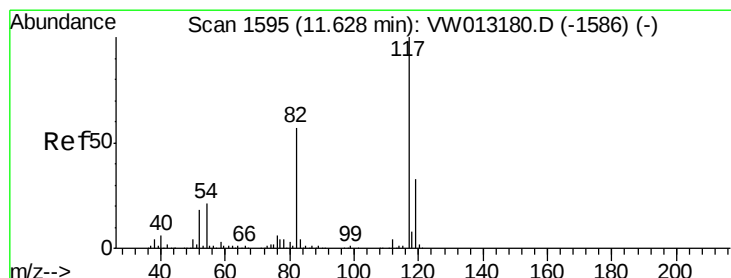
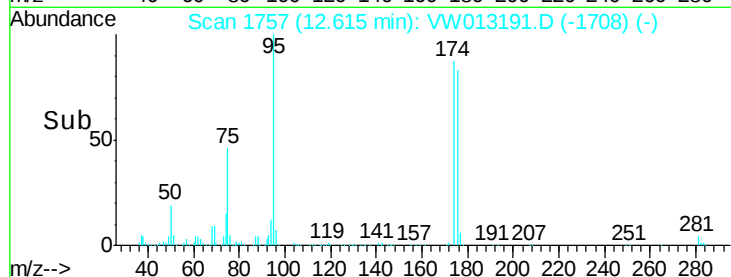
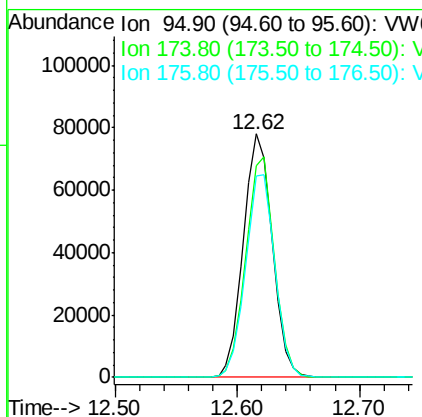
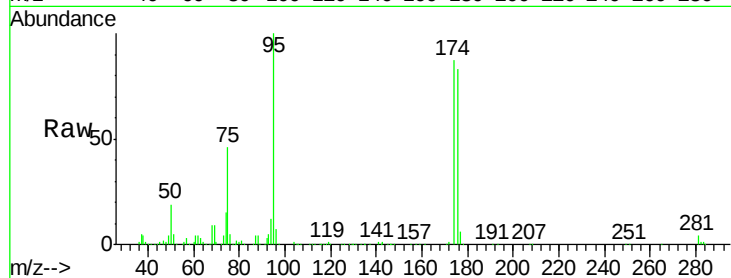




#62
4-Bromofluorobenzene
Concen: 35.503 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013191.D
Acq: 20 Sep 2019 19:17

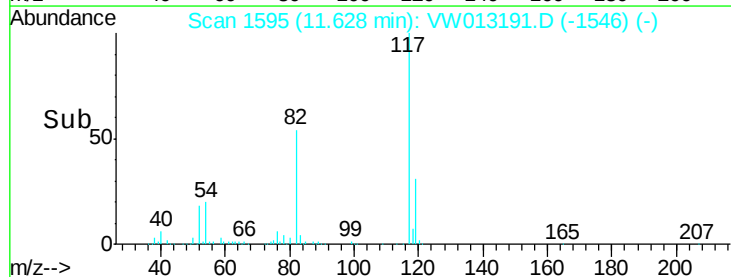
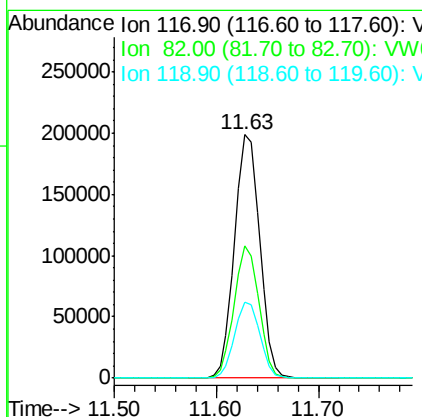
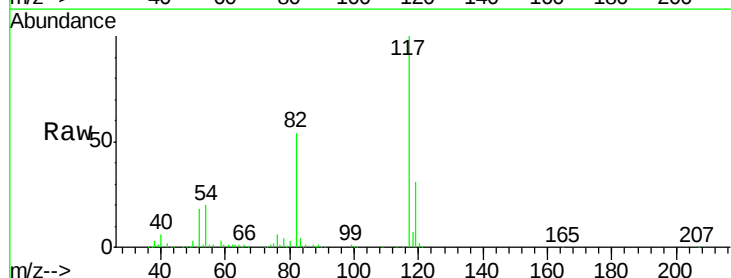
Instrument :
MSVOA_W
ClientSampled :

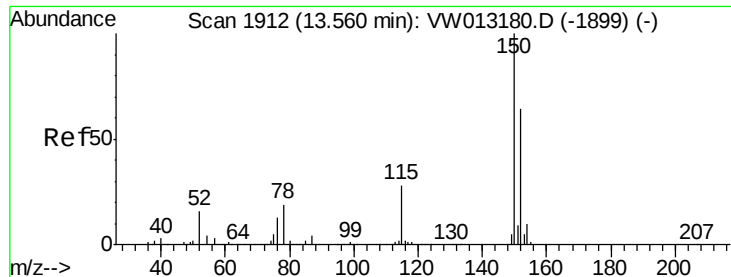
Tot Ion: 95 Resp: 128422
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.4
176 84.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013191.D
Acq: 20 Sep 2019 19:17

Tgt Ion: 117 Resp: 339097
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 31.4 26.2 39.2



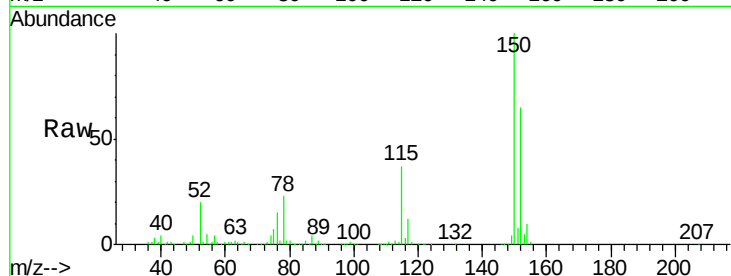


#72

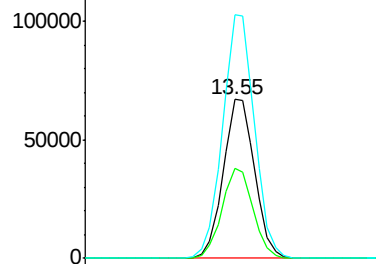
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013191.D
Acq: 20 Sep 2019 19:17

Instrument :
MSVOA_W
ClientSampleId :

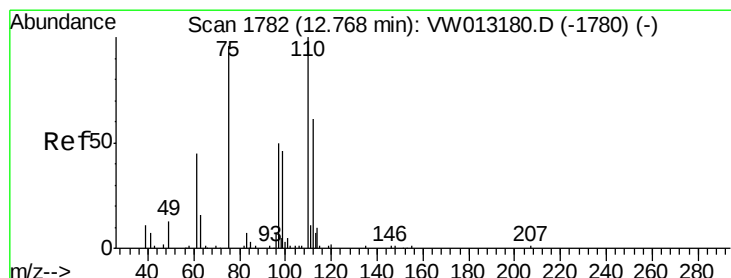
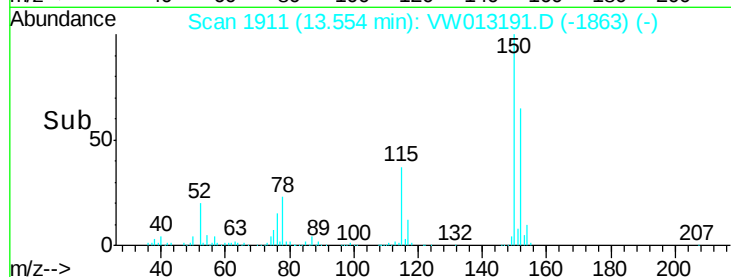
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.3	81.9
150	155.0	0.0	349.0



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



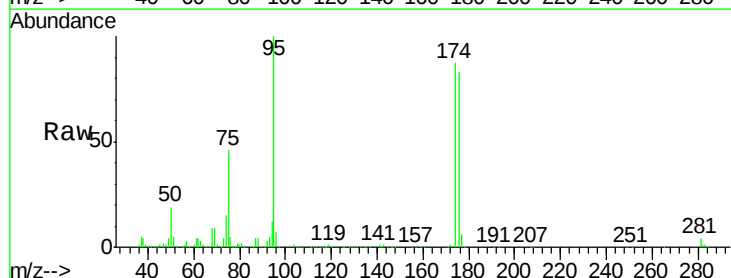
Time-->



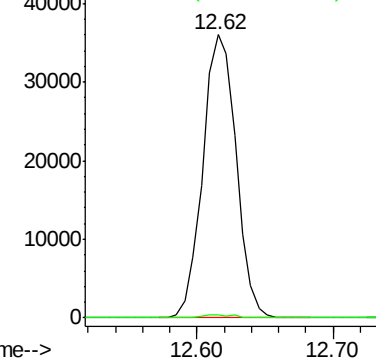
#76

1,2,3-Trichloropropane
Concen: 63.693 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013191.D
Acq: 20 Sep 2019 19:17

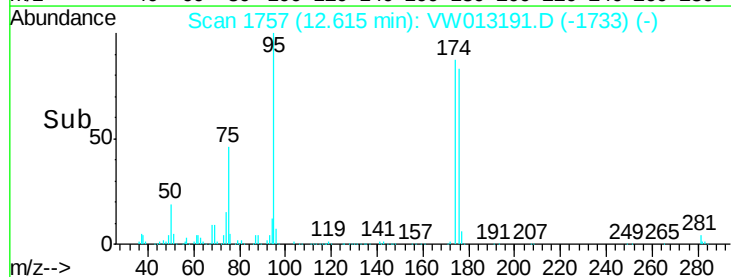
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

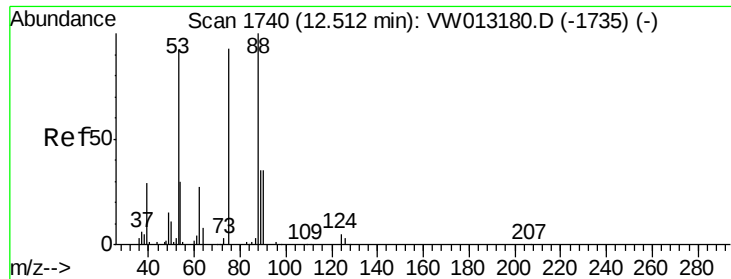


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 142.921 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013191.D

Acq: 20 Sep 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

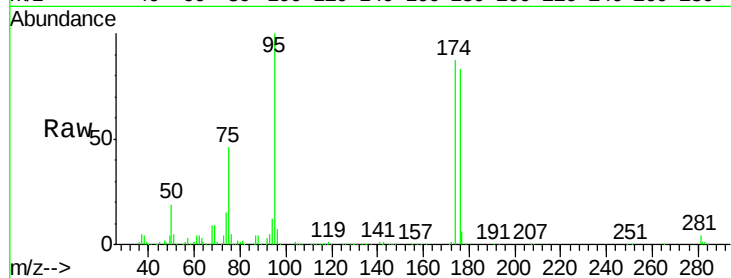
Tot Ion: 75 Resp: 61328

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

