

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013218.D
 Acq On : 21 Sep 2019 07:23
 Operator : SY/VA
 Sample : K4989-02
 Misc : 5.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3B

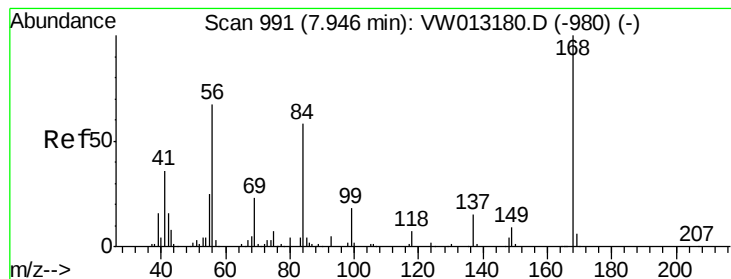
Quant Time: Sep 23 01:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	390829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	579452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	493133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199522	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	163012	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
35) Dibromofluoromethane	7.88	113	158815	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	10.32	98	682988	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.62	95	206497	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	73	Below Cal	#	73
16) Acetone	4.17	43	1210	1.682	ug/l #	45
20) Methylene Chloride	4.90	84	7062	Below Cal		97
26) 2,2-Dichloropropane	7.15	77	662	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	24929	4.442	ug/l #	50
38) Carbon Tetrachloride	7.94	117	33418	6.642	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2798	1.221	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100271	56.906	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100271	127.692	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampled :

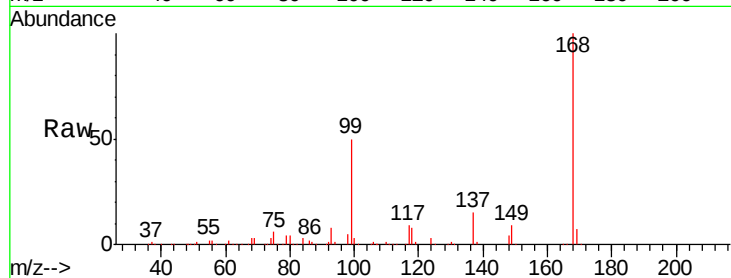
B-3B

Tgt Ion: 168 Resp: 390829

Ion Ratio Lower Upper

168 100

99 49.7 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

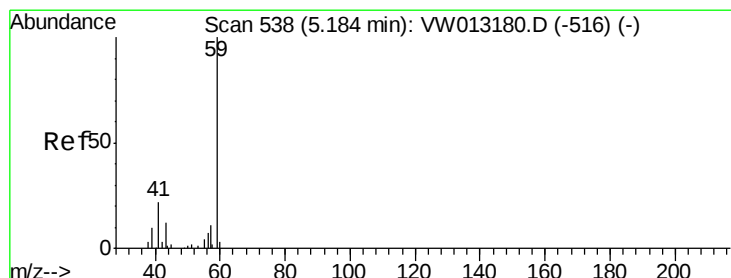
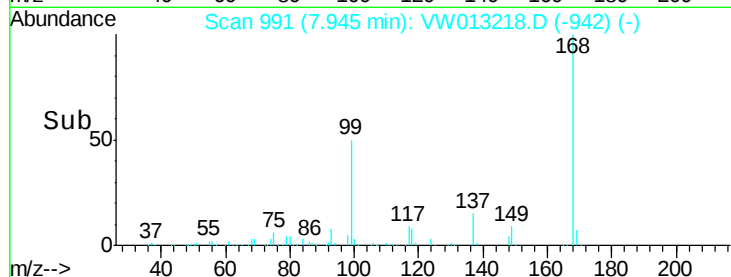
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW013218.D

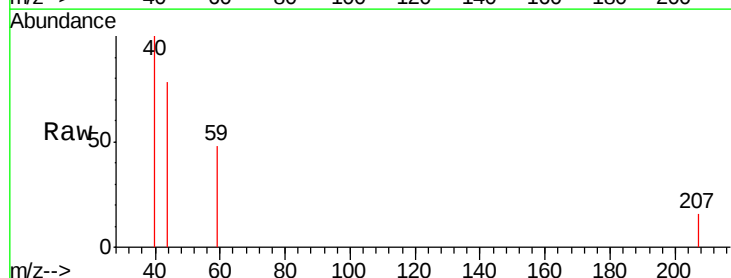
Acq: 21 Sep 2019 07:23

Tgt Ion: 59 Resp: 73

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

5.20

200

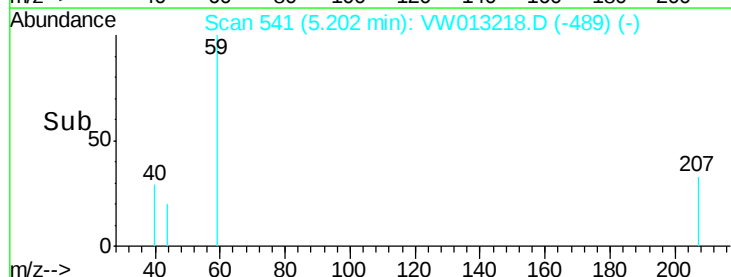
150

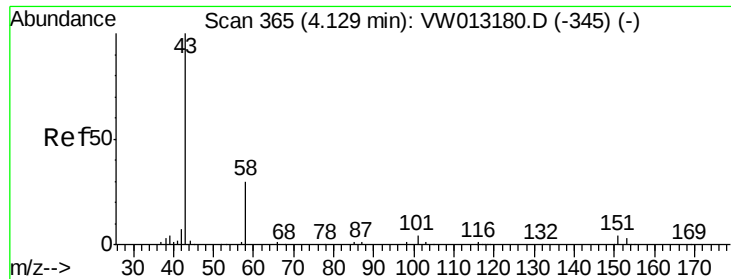
100

50

0

Time-->





#16

Acetone

Concen: 1.682 ug/l

RT: 4.17 min Scan# 371

Delta R.T. 0.04 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampled :

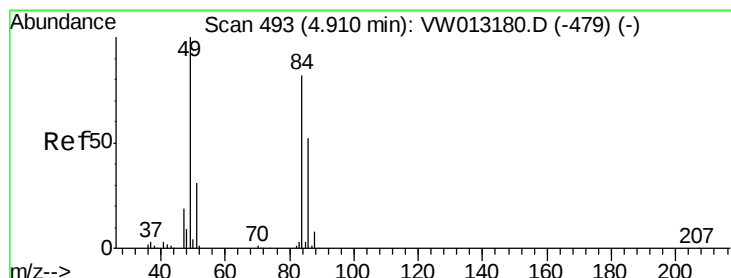
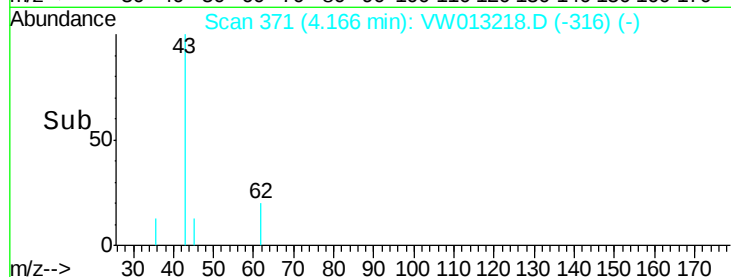
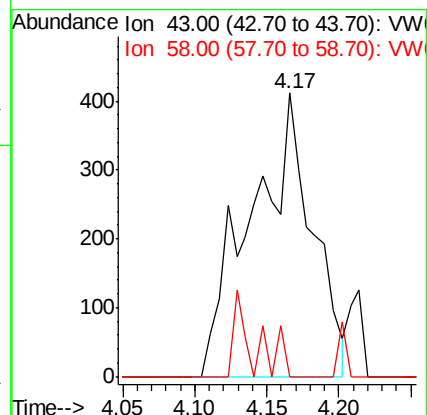
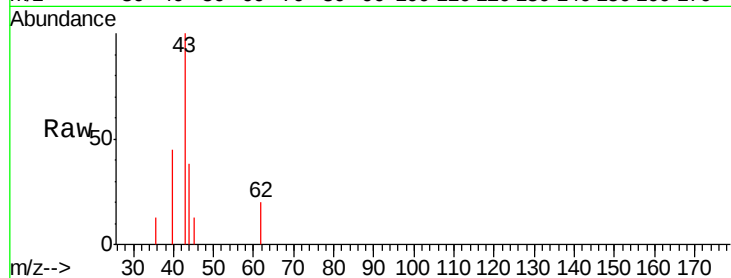
B-3B

Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Tgt Ion: 84 Resp: 7062

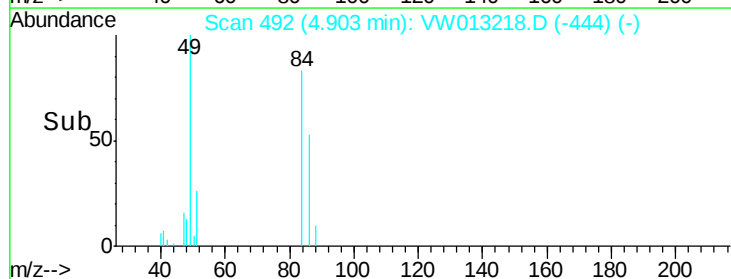
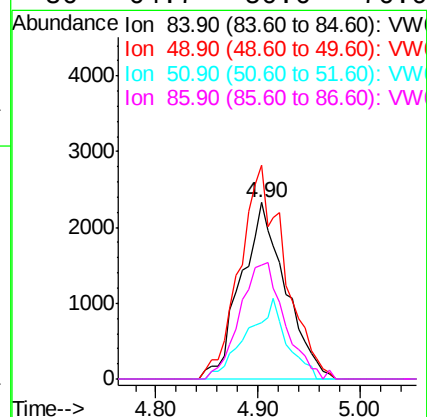
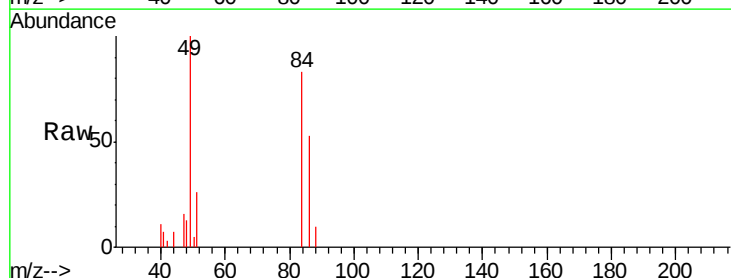
Ion Ratio Lower Upper

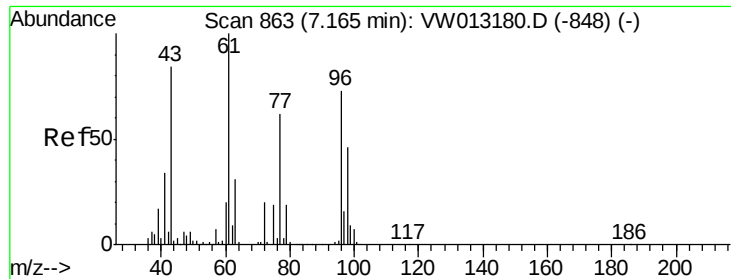
84 100

49 121.1 97.6 146.4

51 32.0 30.2 45.2

86 64.7 50.6 76.0

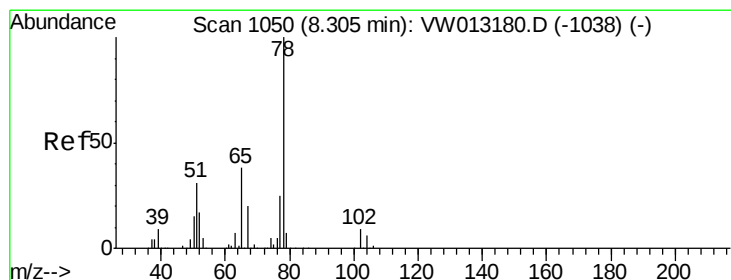
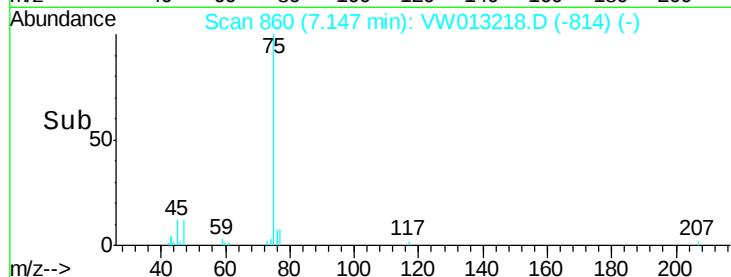
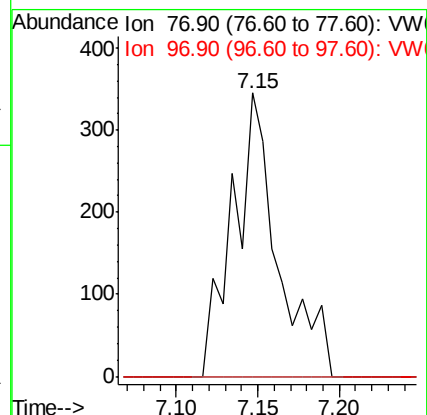
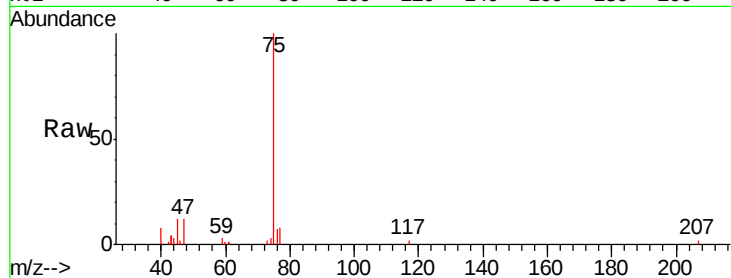




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW013218.D
 Acq: 21 Sep 2019 07:23

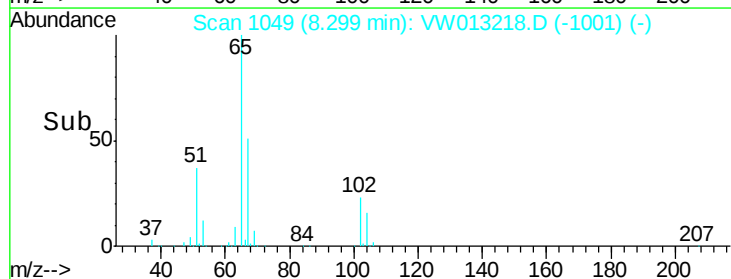
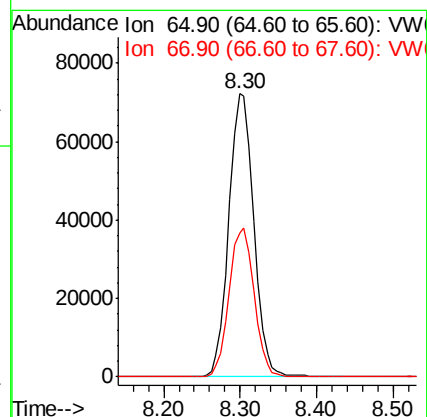
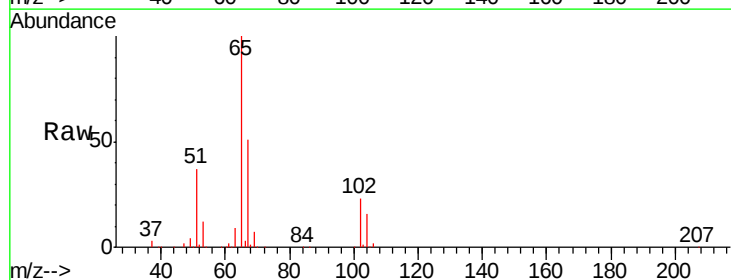
Instrument :
 MSVOA_W
 ClientSampleId :
 B-3B

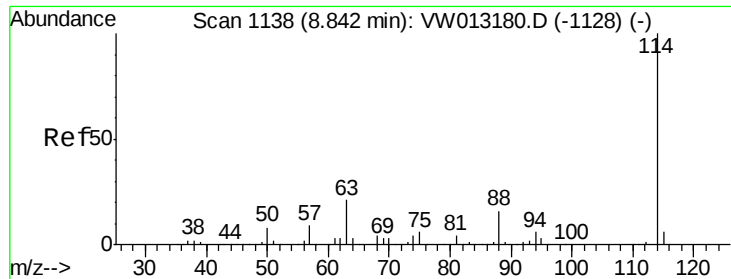
Tgt Ion: 77 Resp: 662
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#33
 1,2-Dichloroethane-d4
 Concen: 51.105 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013218.D
 Acq: 21 Sep 2019 07:23

Tgt Ion: 65 Resp: 163012
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2

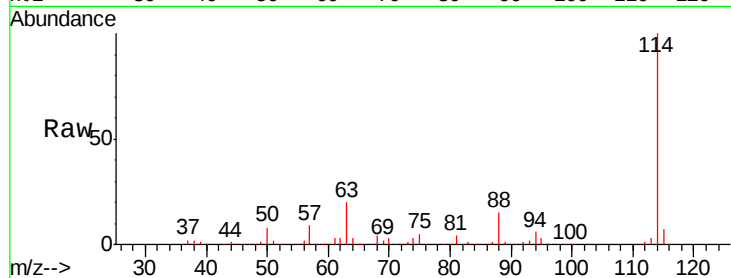




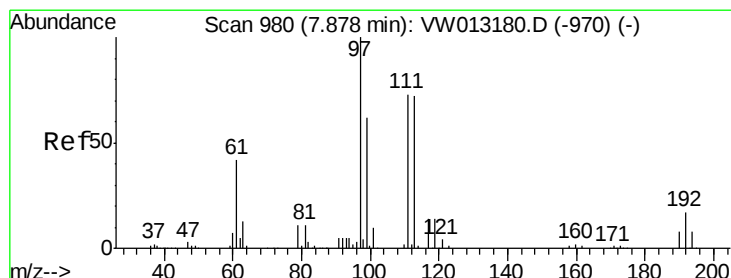
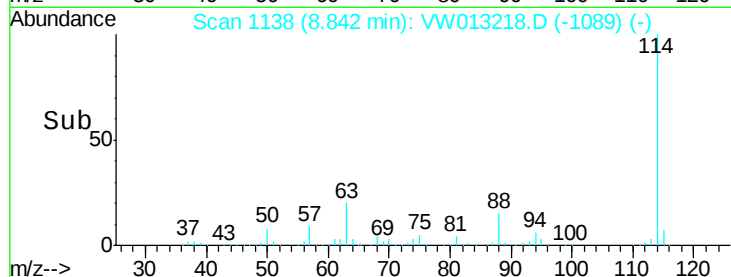
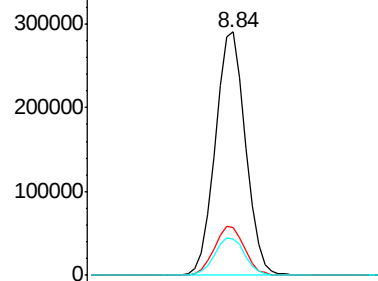
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013218.D
 Acq: 21 Sep 2019 07:23

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3B

Tgt Ion:114 Resp: 579452
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 14.9 0.0 32.0

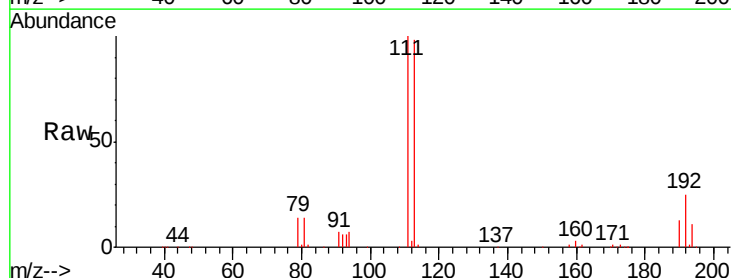


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

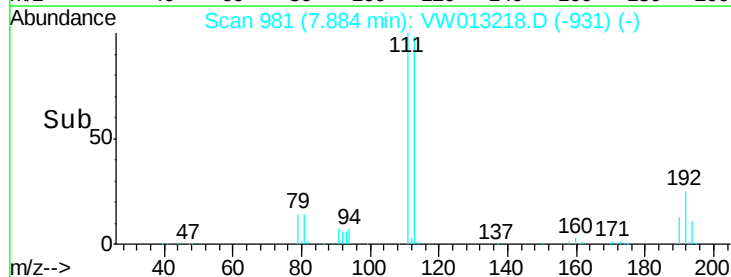
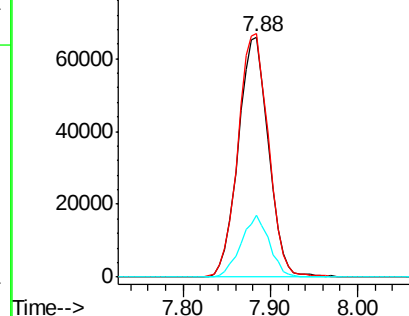


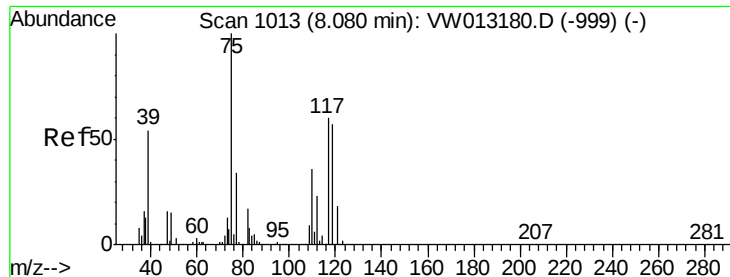
#35
 Dibromofluoromethane
 Concen: 49.832 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013218.D
 Acq: 21 Sep 2019 07:23

Tgt Ion:113 Resp: 158815
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 24.0 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: 4.442 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampleId :

B-3B

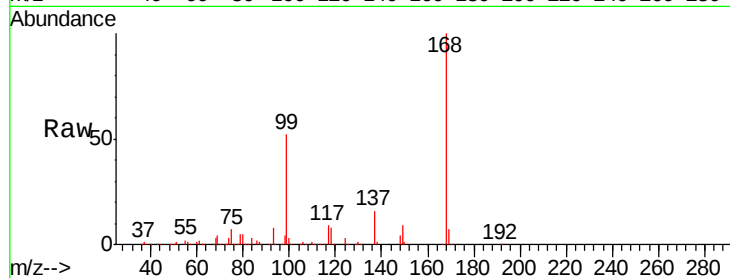
Tgt Ion: 75 Resp: 24929

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.3#

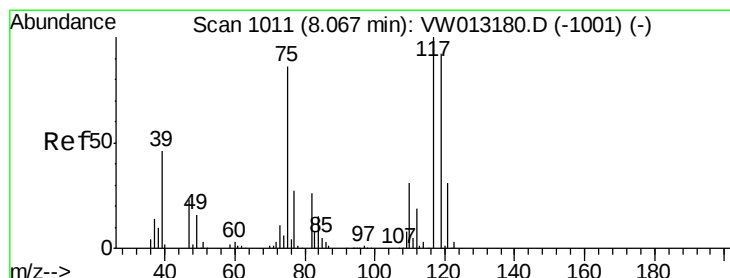
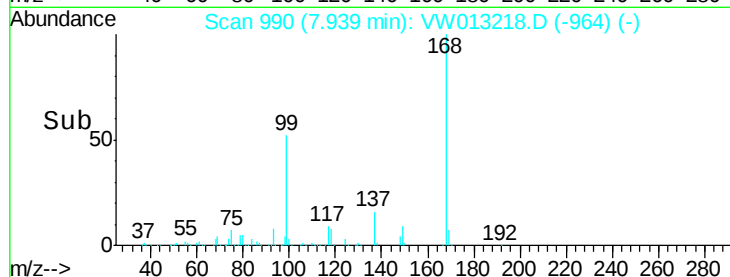
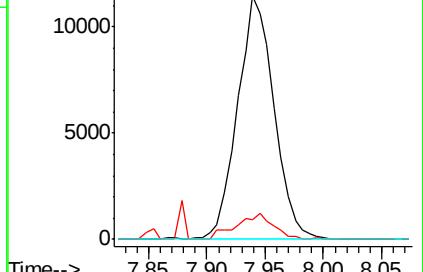
77 0.0 25.8 38.6#



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: 6.642 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

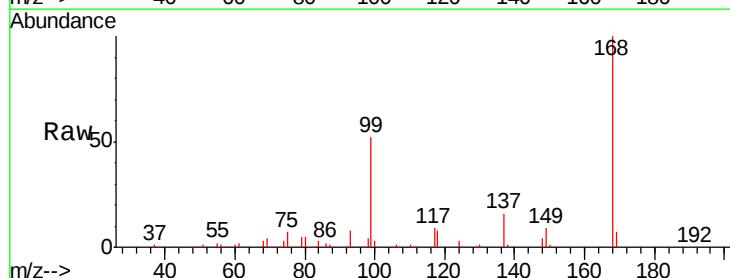
Tgt Ion: 117 Resp: 33418

Ion Ratio Lower Upper

117 100

119 3.8 73.5 110.3#

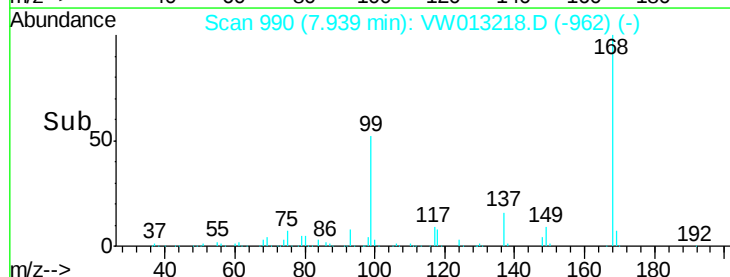
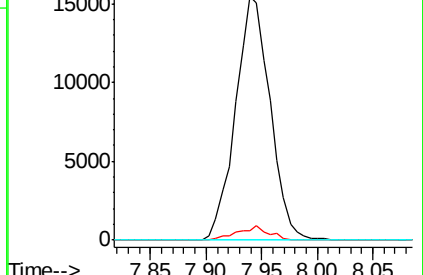
121 0.0 25.0 37.6#

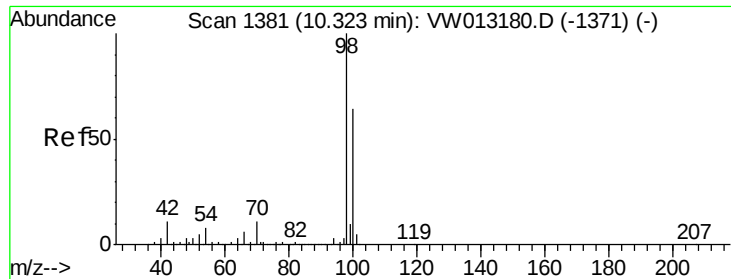


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.206 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampleId :

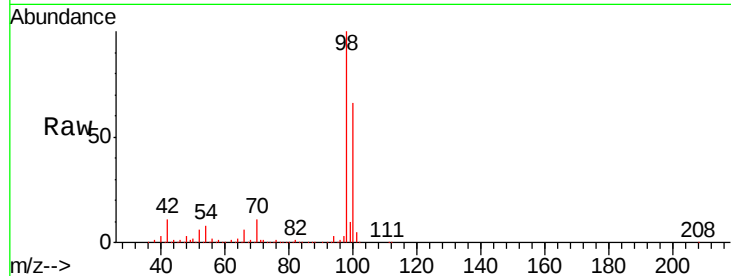
B-3B

Tgt Ion: 98 Resp: 682988

Ion Ratio Lower Upper

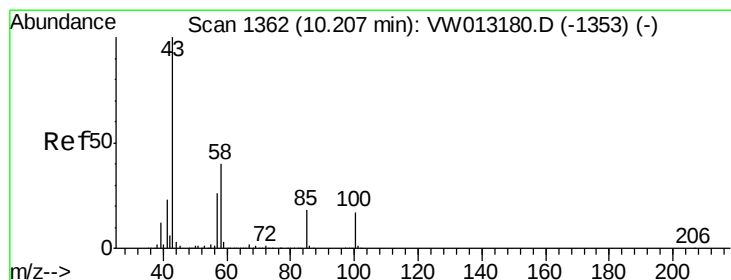
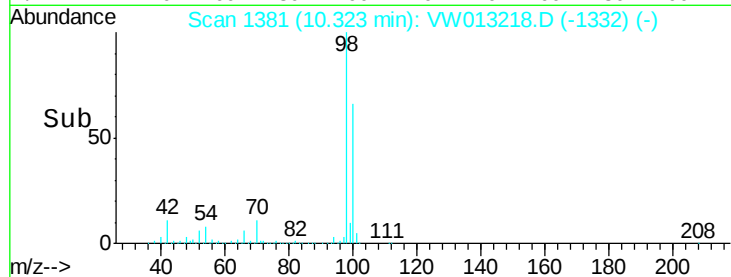
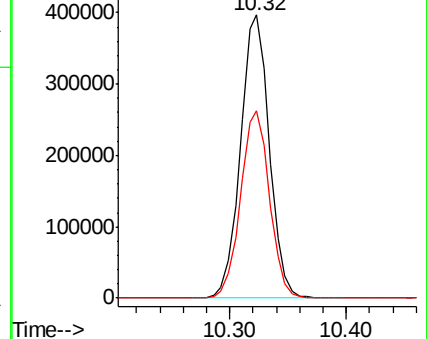
98 100

100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.221 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013218.D

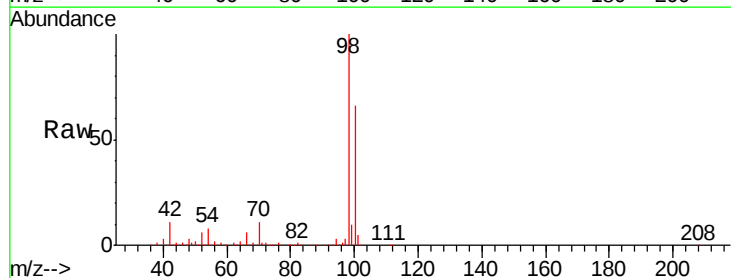
Acq: 21 Sep 2019 07:23

Tgt Ion: 43 Resp: 2798

Ion Ratio Lower Upper

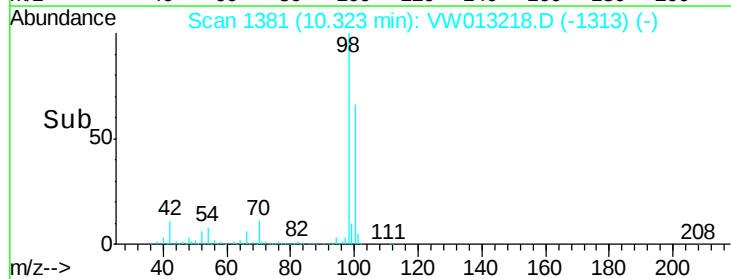
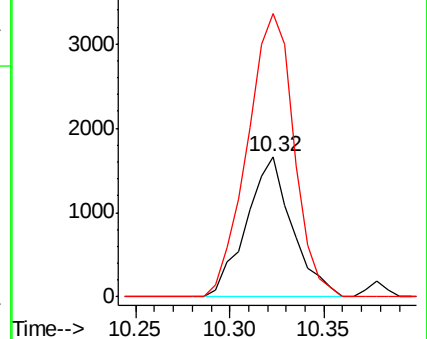
43 100

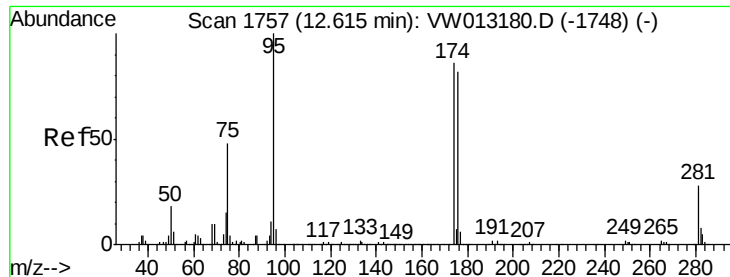
58 205.7 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 45.323 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampleId :

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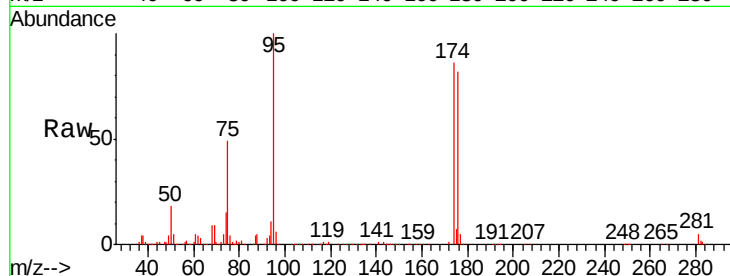
Tgt Ion: 95 Resp: 206497

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.4

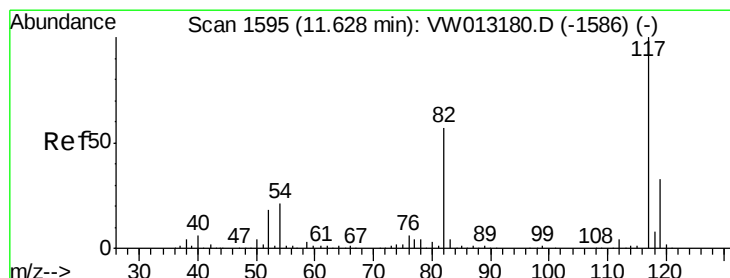
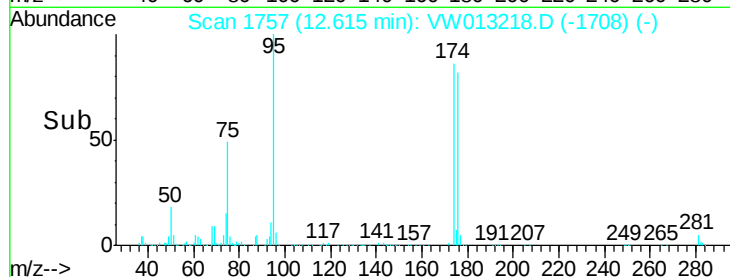
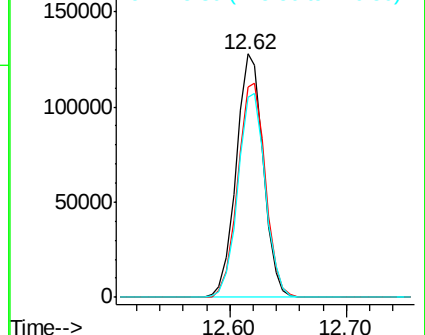
176 84.9 0.0 172.2



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: VW013218.D

Acq: 21 Sep 2019 07:23

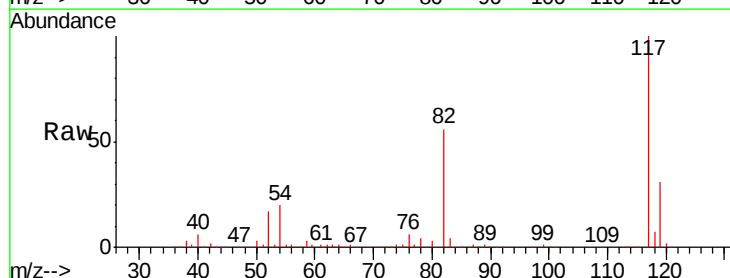
Tgt Ion: 117 Resp: 493133

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

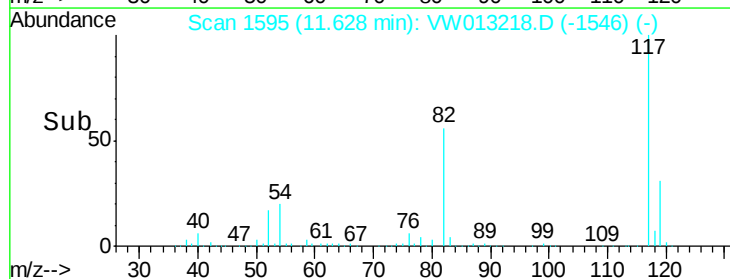
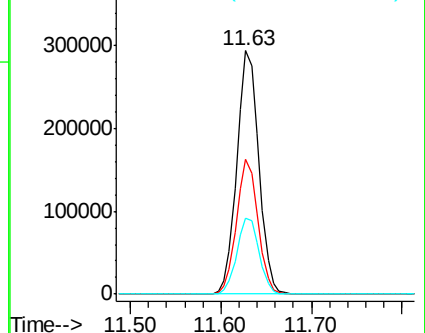
119 31.3 26.2 39.2

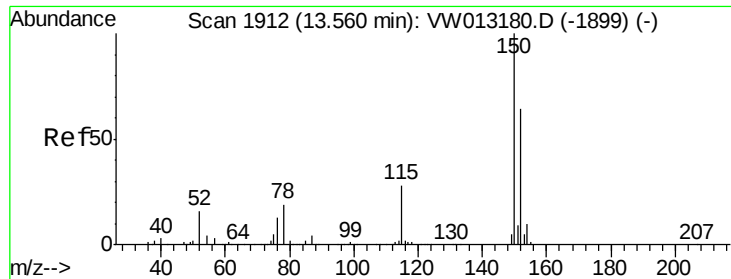


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW013218.D

Acq: 21 Sep 2019 07:23

Instrument :

MSVOA_W

ClientSampled :

B-3B

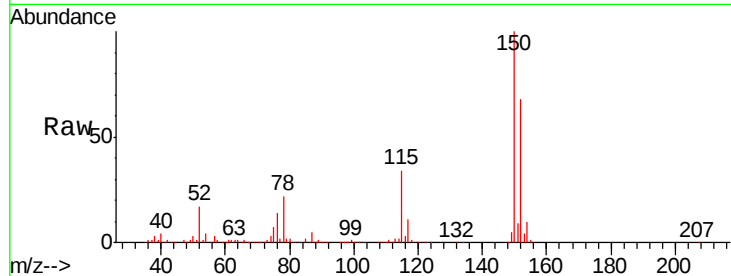
Tgt Ion:152 Resp: 199522

Ion Ratio Lower Upper

152 100

115 54.5 27.3 81.9

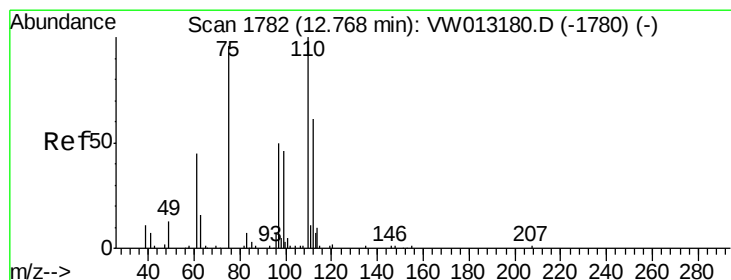
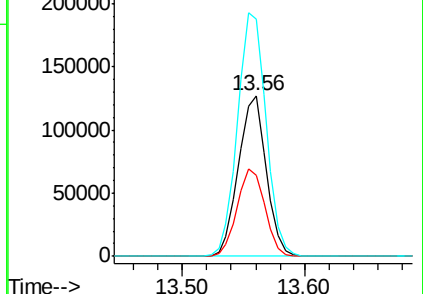
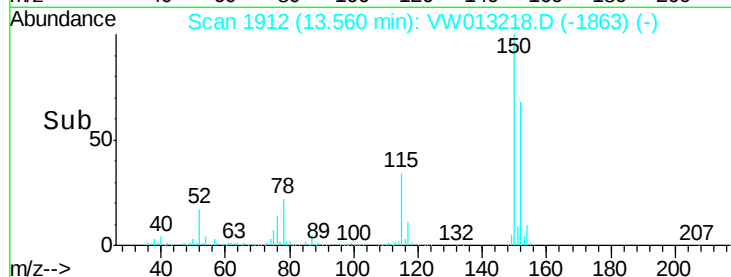
150 156.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 56.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013218.D

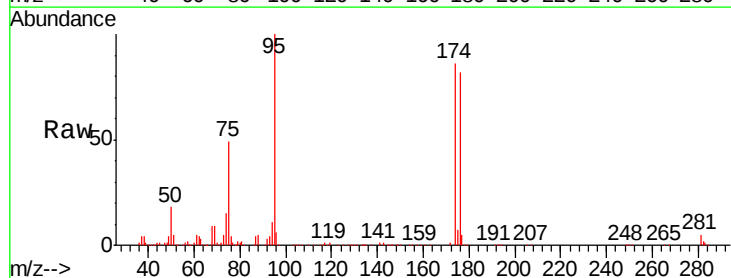
Acq: 21 Sep 2019 07:23

Tgt Ion: 75 Resp: 100271

Ion Ratio Lower Upper

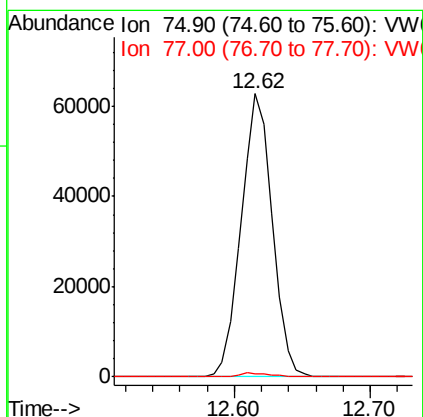
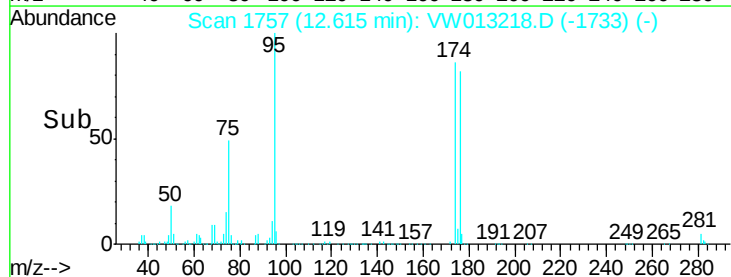
75 100

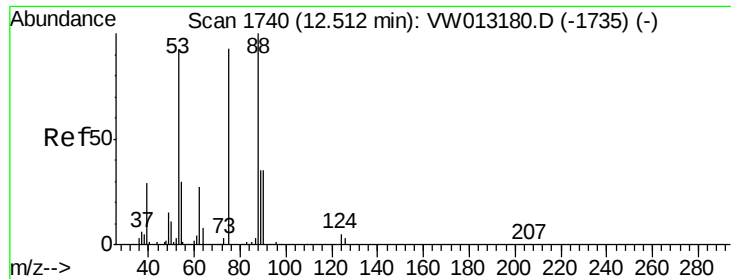
77 1.4 0.0 0.0#



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: 127.692 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013218.D
 Acq: 21 Sep 2019 07:23

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3B

Tgt Ion: 75 Resp: 100271
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.1 33.5 50.3#

