

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010702.D
 Acq On : 06 Jun 2019 11:31
 Operator : SY/VA
 Sample : VW0606SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBL01

Quant Time: Jun 07 07:37:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143979	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	143606	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
35) Dibromofluoromethane	7.88	113	107809	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
50) Toluene-d8	10.32	98	483479	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.62	95	168506	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	

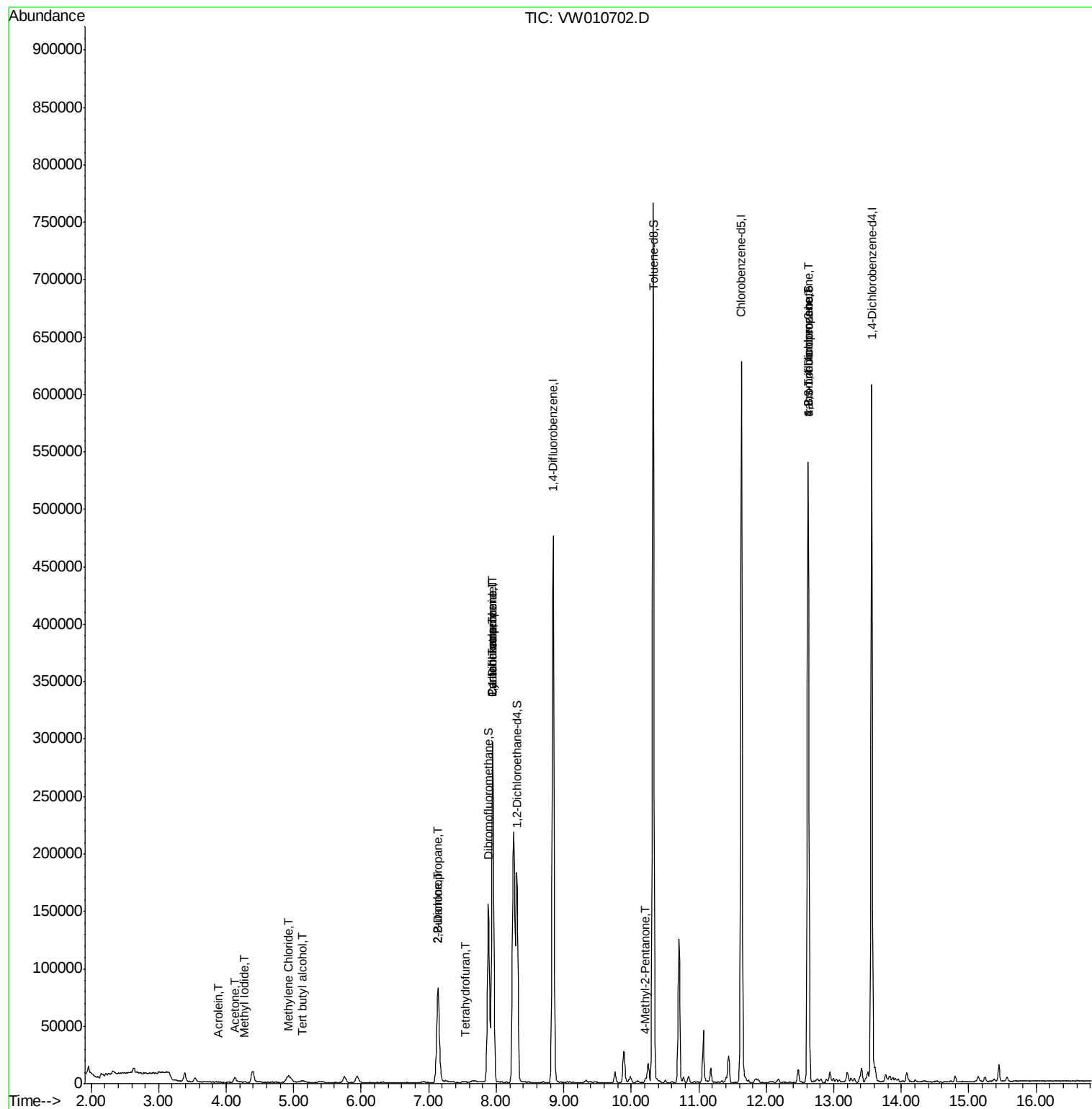
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	210	4.883	ug/l #	41
11) Tert butyl alcohol	5.13	59	1547	7.444	ug/l #	72
13) Acrolein	3.89	56	90	1.060	ug/l #	42
16) Acetone	4.13	43	7531	11.019	ug/l	98
20) Methylene Chloride	4.92	84	3421	1.427	ug/l	94
25) 2-Butanone	7.13	43	5693	6.007	ug/l #	74
26) 2,2-Dichloropropane	7.13	77	5718	1.518	ug/l #	55
29) Tetrahydrofuran	7.54	42	868	1.456	ug/l #	67
31) Cyclohexane	7.94	56	6057	1.177	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	19124	5.013	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21885	6.646	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	2540	1.217	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	91598	60.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91598	139.237	ug/l #	5

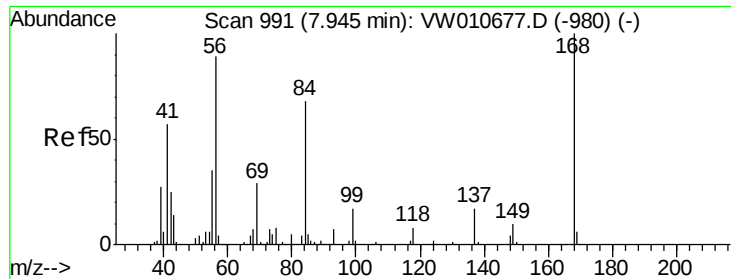
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 03:21:19 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

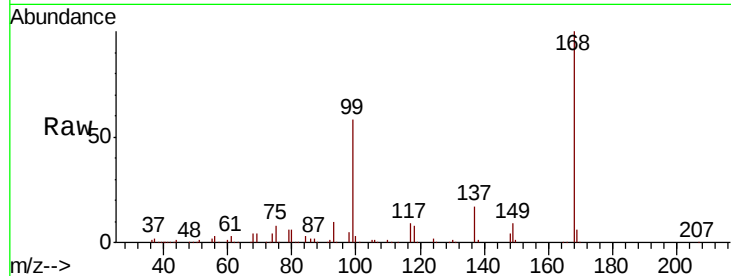
VW0606SBL01

Tot Ion:168 Resp: 216413

Ion Ratio Lower Upper

168 100

99 57.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

100000

80000

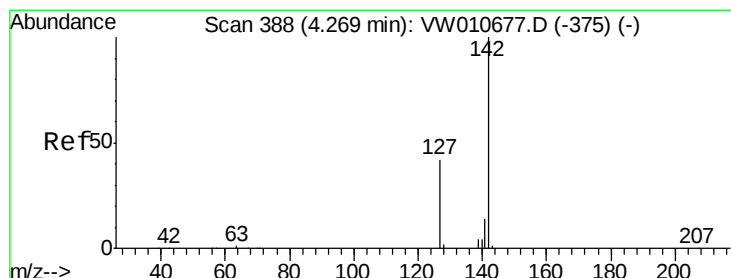
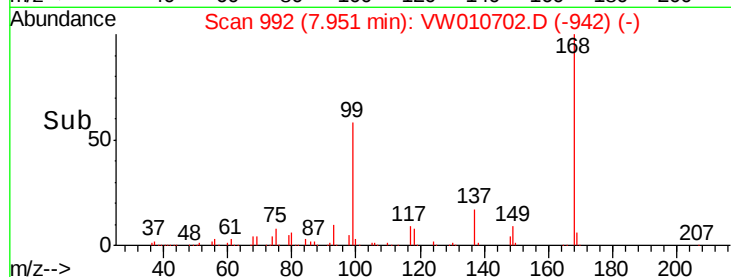
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.883 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

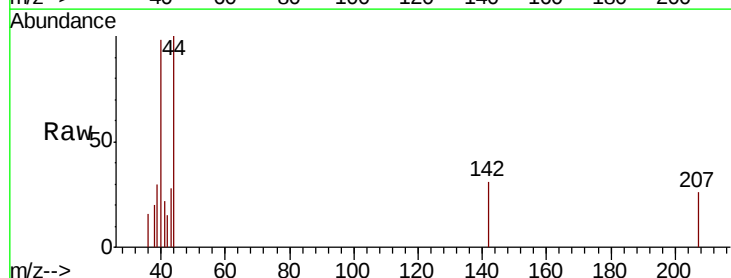
Tgt Ion:142 Resp: 210

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

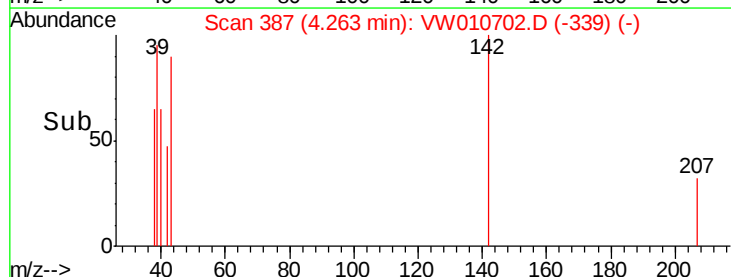
150

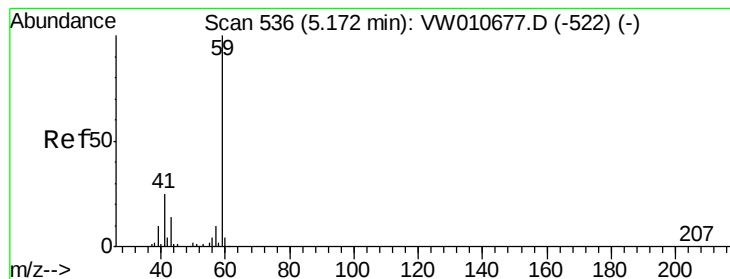
100

50

0

Time-->



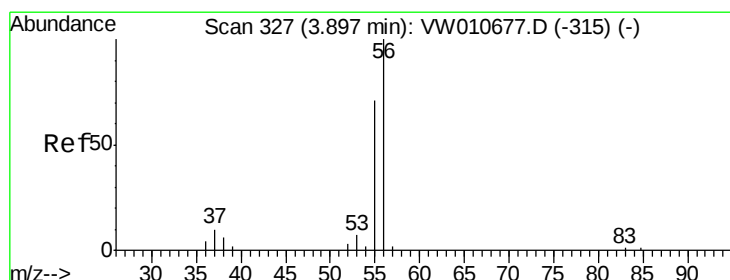
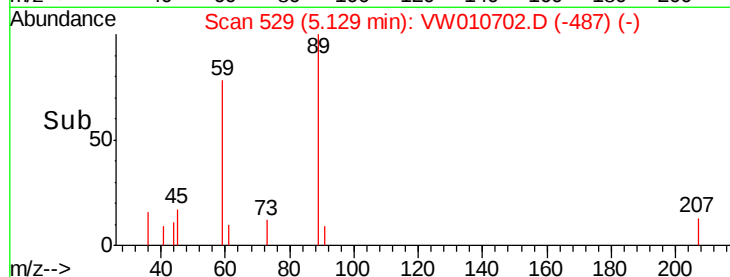
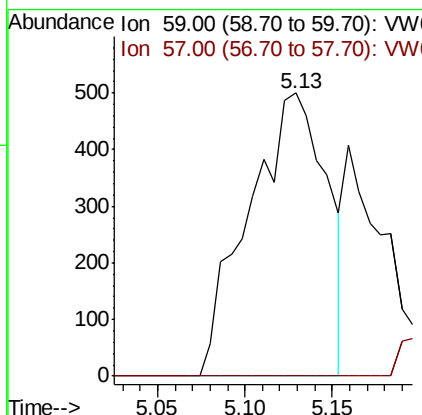
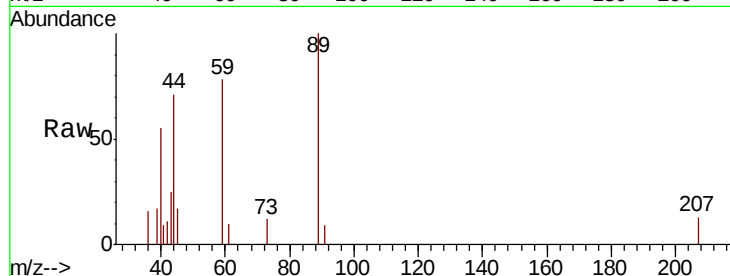


#11

Tert butyl alcohol
 Concen: 7.444 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW010702.D
 Acq: 06 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBL01

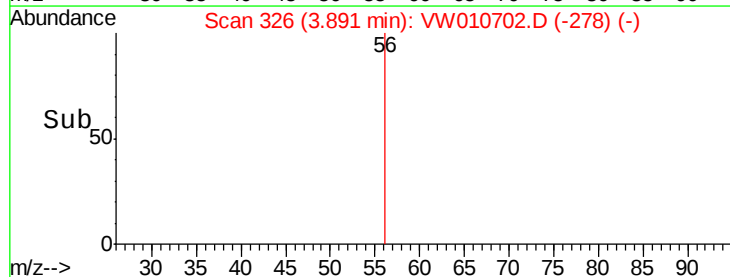
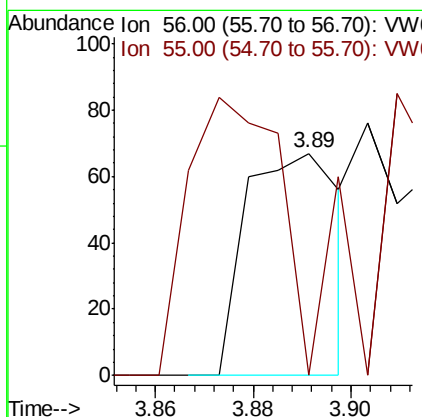
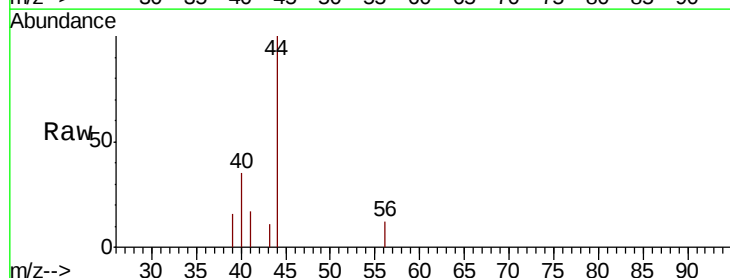
Tot Ion: 59 Resp: 1547
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

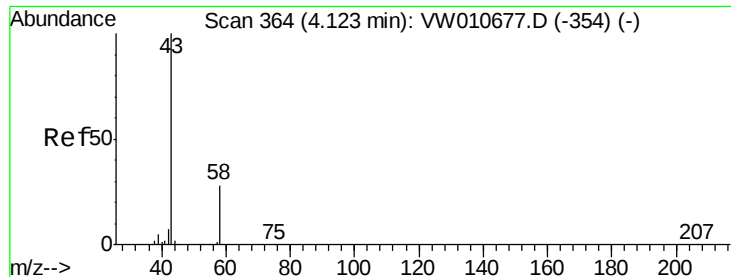


#13

Acrolein
 Concen: 1.060 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VW010702.D
 Acq: 06 Jun 2019 11:31

Tgt Ion: 56 Resp: 90
 Ion Ratio Lower Upper
 56 100
 55 120.0 57.6 86.4#





#16

Acetone

Concen: 11.019 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

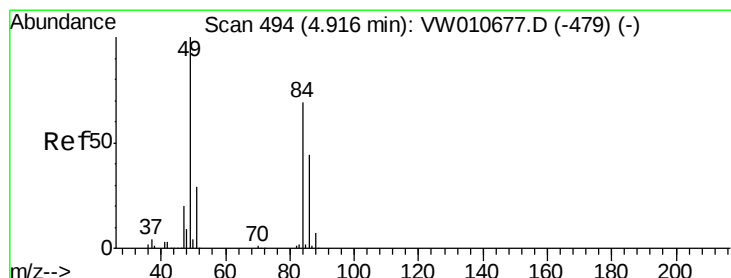
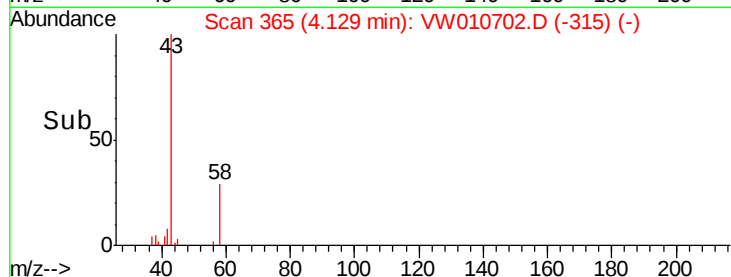
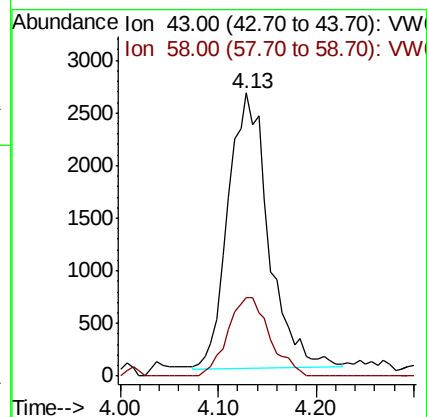
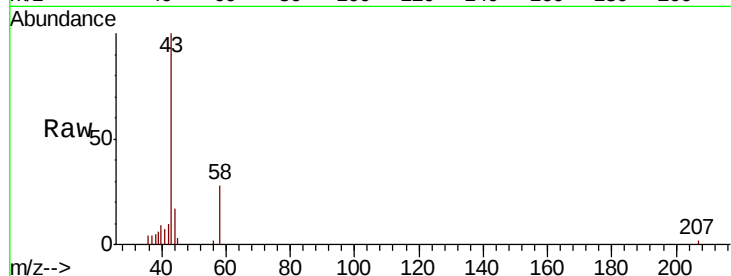
VW0606SBL01

Tot Ion: 43 Resp: 7531

Ion Ratio Lower Upper

43 100

58 28.7 22.1 33.1



#20

Methylene Chloride

Concen: 1.427 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Tgt Ion: 84 Resp: 3421

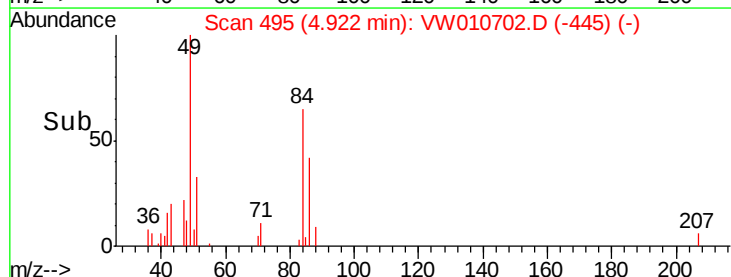
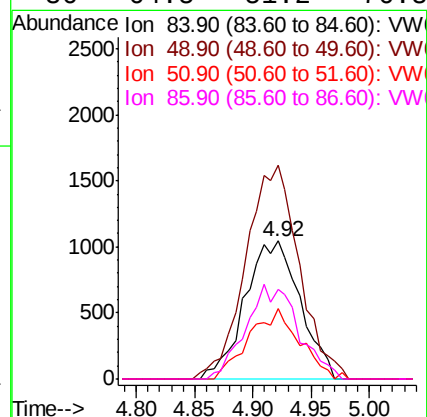
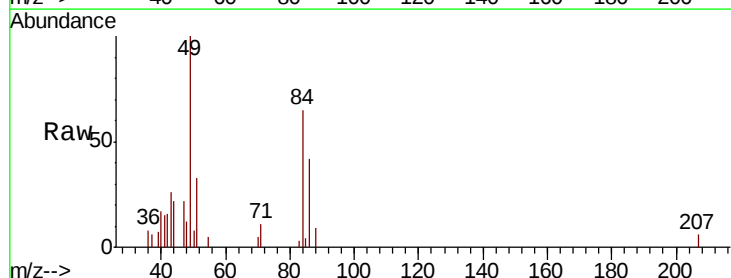
Ion Ratio Lower Upper

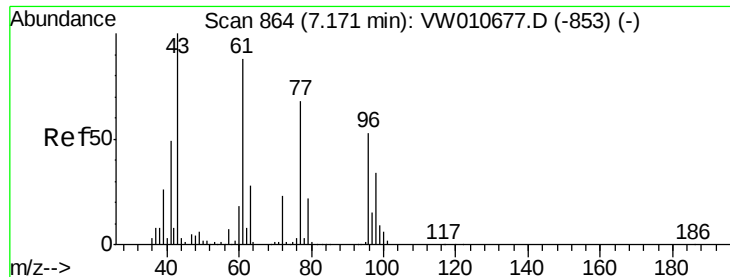
84 100

49 154.7 116.7 175.1

51 51.0 34.2 51.2

86 64.5 51.2 76.8





#25

2-Butanone

Concen: 6.007 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

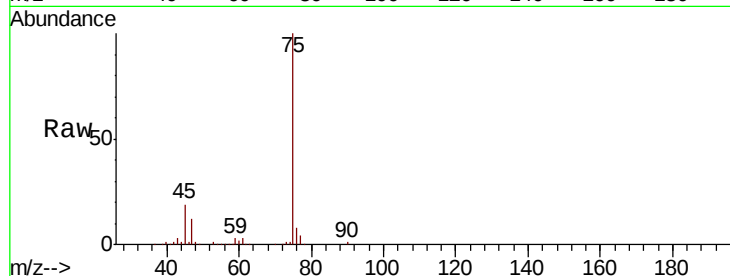
VW0606SBL01

Tot Ion: 43 Resp: 5693

Ion Ratio Lower Upper

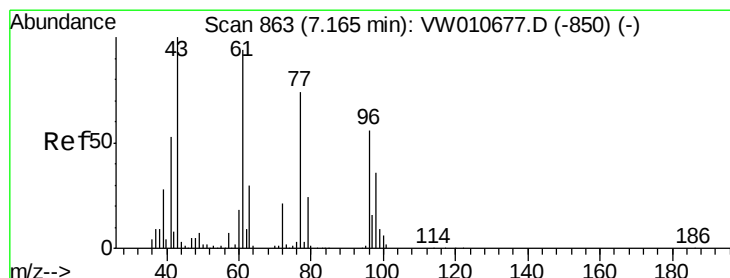
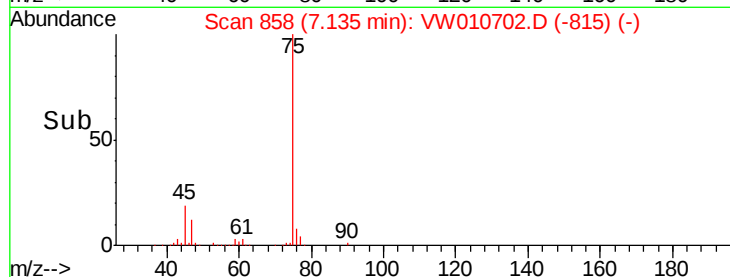
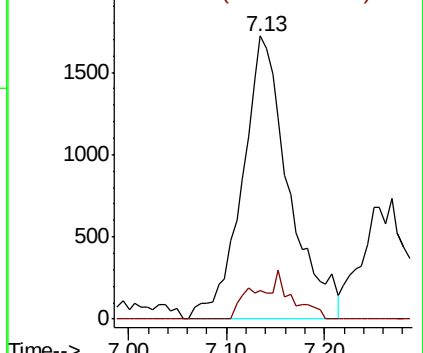
43 100

72 10.2 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.518 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW010702.D

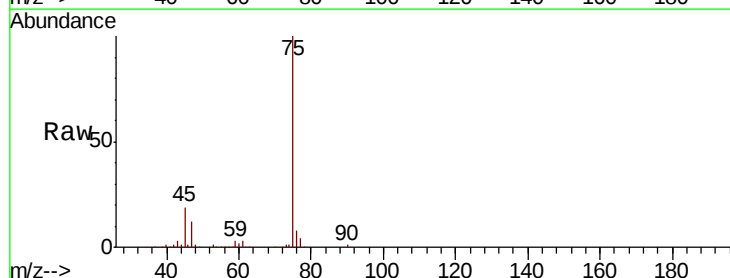
Acq: 06 Jun 2019 11:31

Tgt Ion: 77 Resp: 5718

Ion Ratio Lower Upper

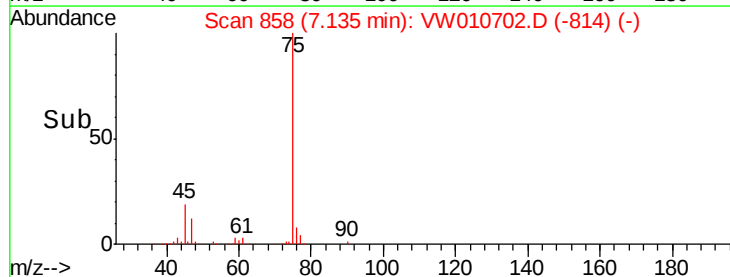
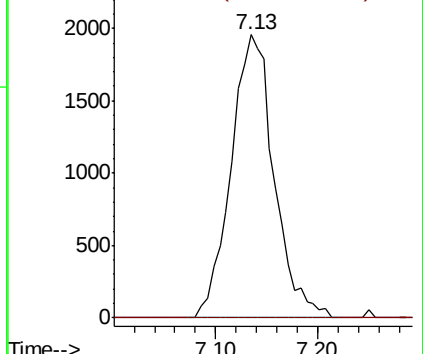
77 100

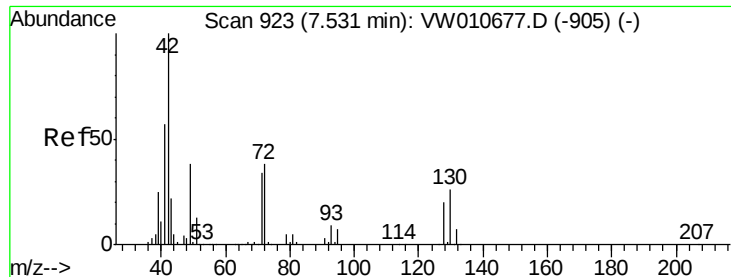
97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

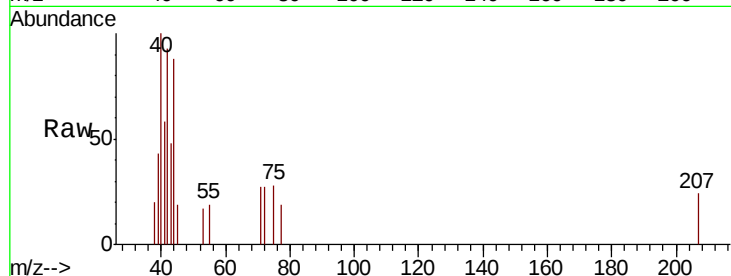




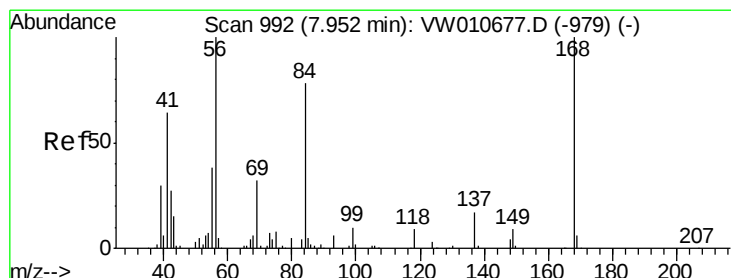
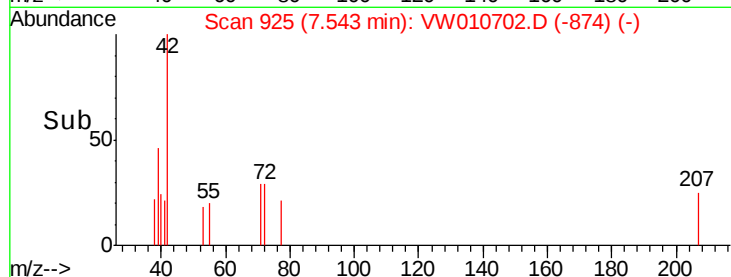
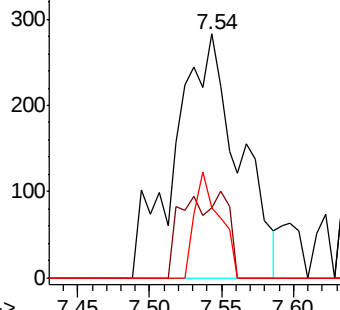
#29
Tetrahydrofuran
Concen: 1.456 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBL01

Tot Ion: 42 Resp: 868
Ion Ratio Lower Upper
42 100
72 13.8 28.7 43.1#
71 16.9 26.6 39.8#

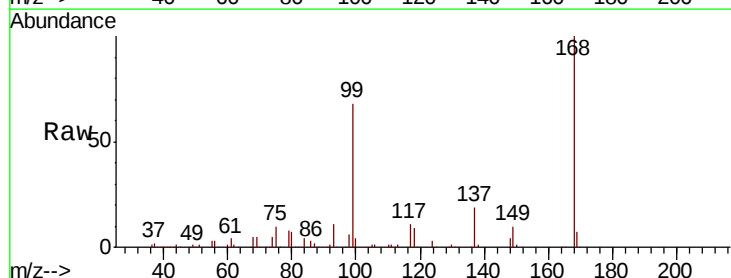


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

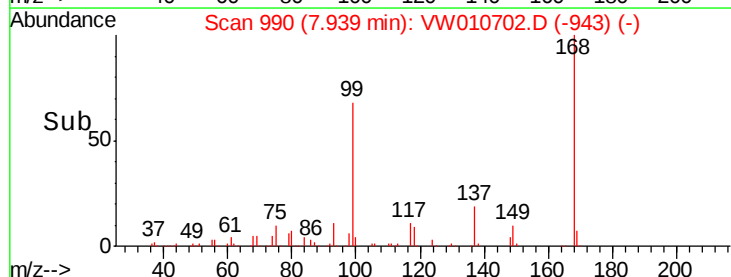
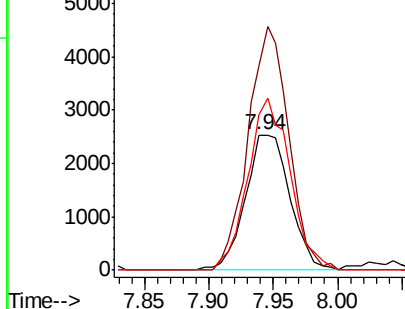


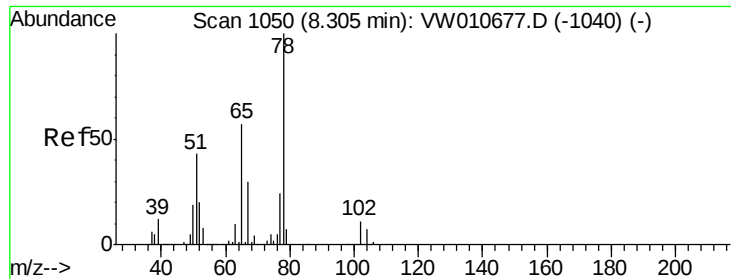
#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

Tgt Ion: 56 Resp: 6057
Ion Ratio Lower Upper
56 100
69 151.5 25.2 37.8#
84 115.2 62.2 93.2#



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

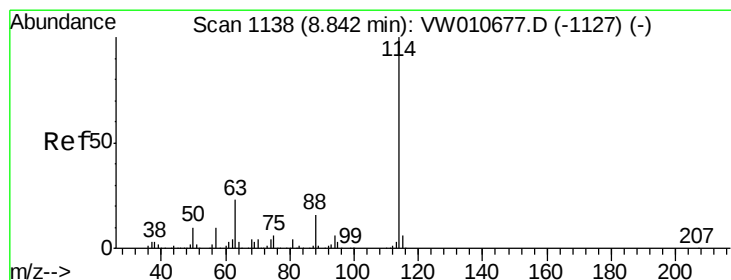
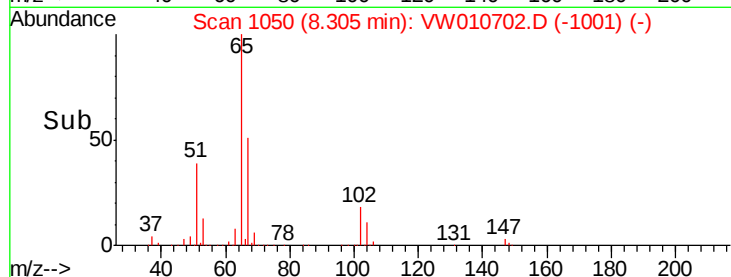
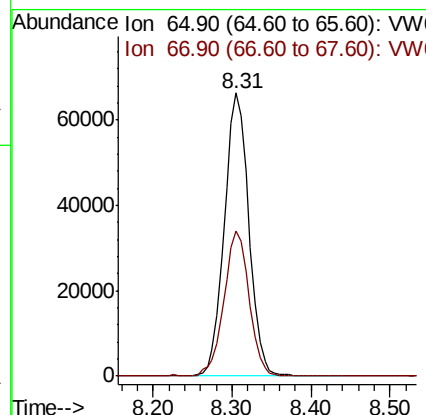
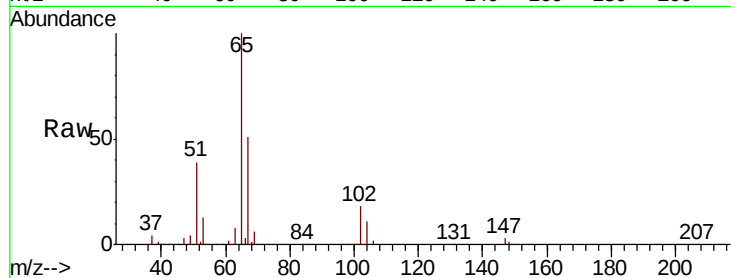




#33
 1,2-Dichloroethane-d4
 Concen: 56.299 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010702.D
 Acq: 06 Jun 2019 11:31

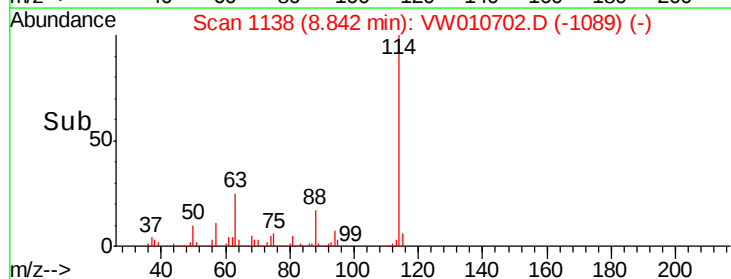
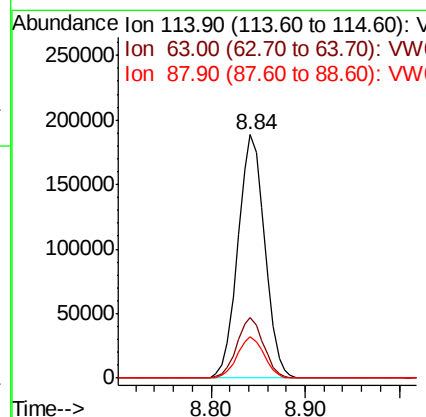
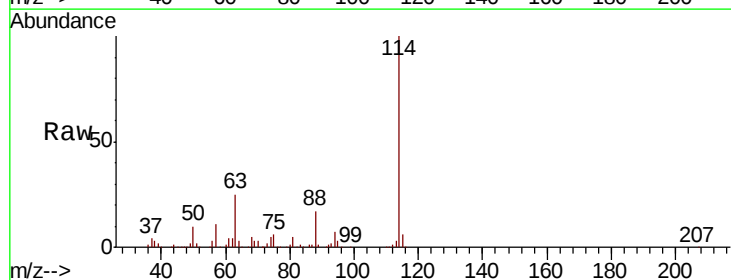
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBL01

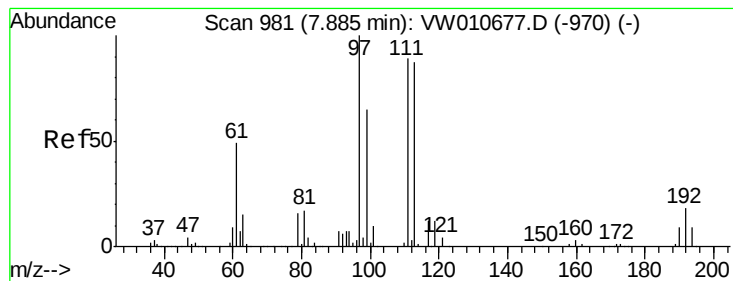
Tot Ion: 65 Resp: 143606
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010702.D
 Acq: 06 Jun 2019 11:31

Tgt Ion: 114 Resp: 372682
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 46.4
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.296 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBL01

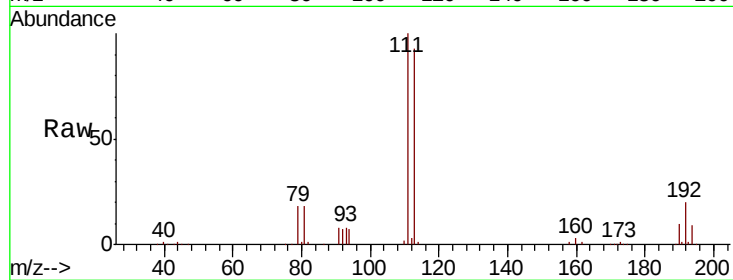
Tot Ion:113 Resp: 107809

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

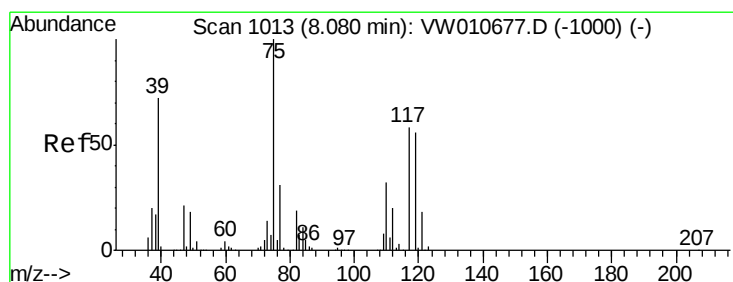
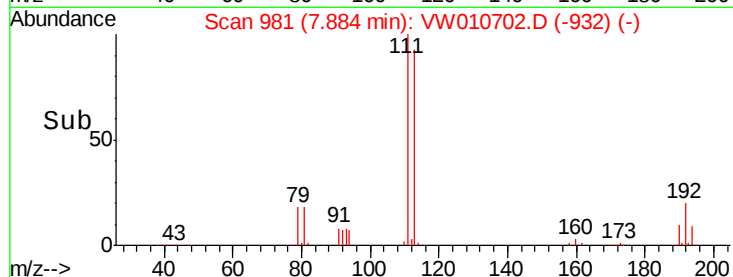
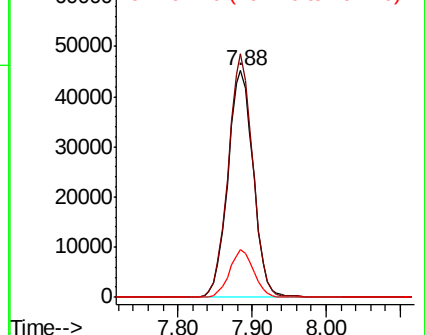
192 20.0 16.4 24.6



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: 5.013 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

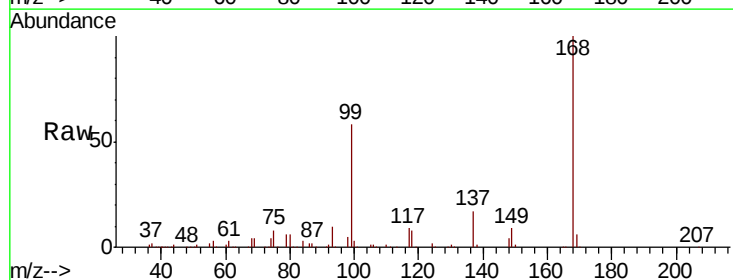
Tgt Ion: 75 Resp: 19124

Ion Ratio Lower Upper

75 100

110 7.9 15.8 47.3#

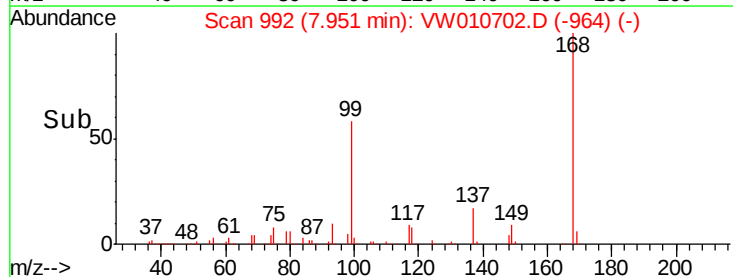
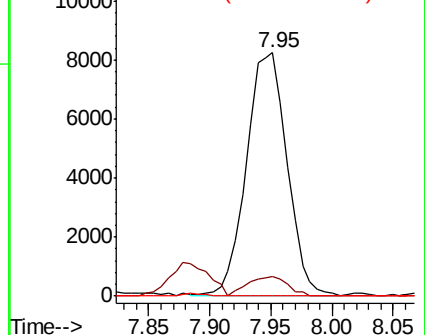
77 0.0 24.7 37.1#

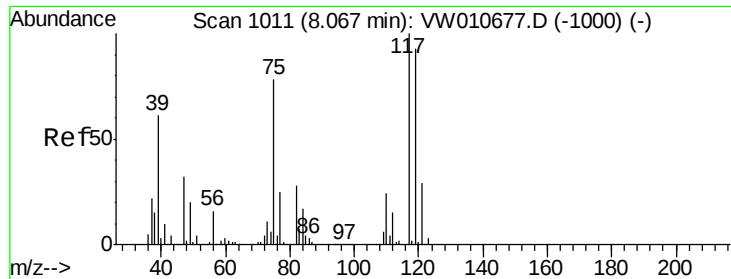


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

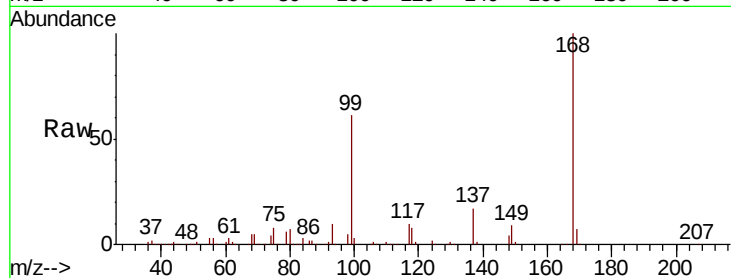




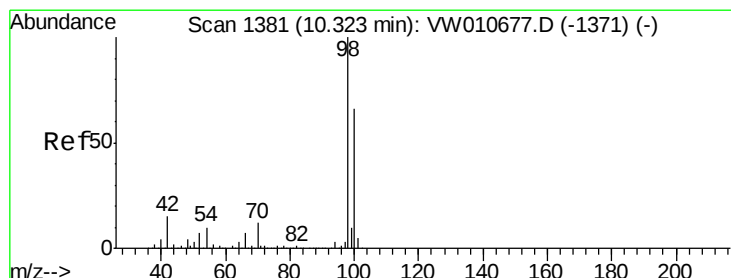
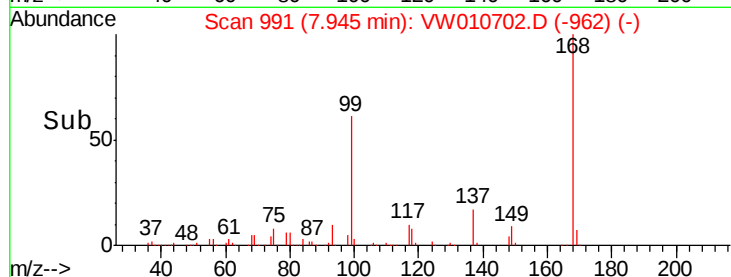
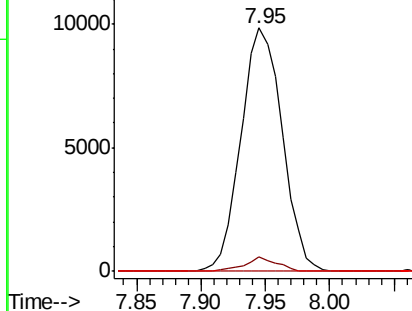
#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBL01

Tot Ion:117 Resp: 21885
Ion Ratio Lower Upper
117 100
119 6.1 74.2 111.4#
121 0.0 22.9 34.3#

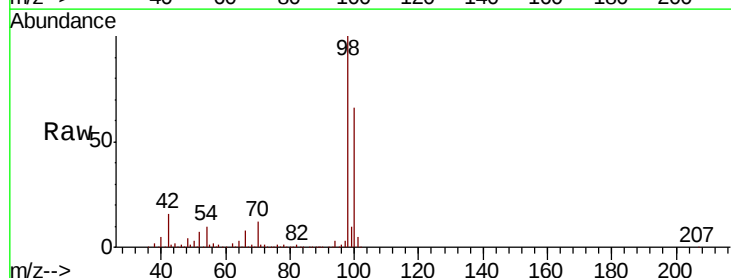


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

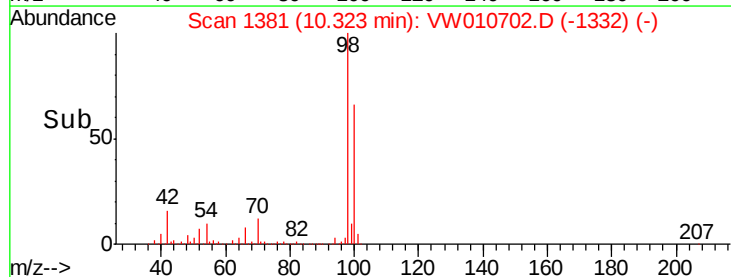
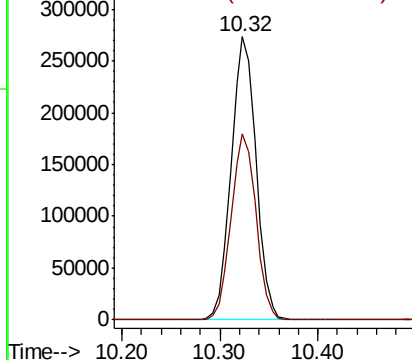


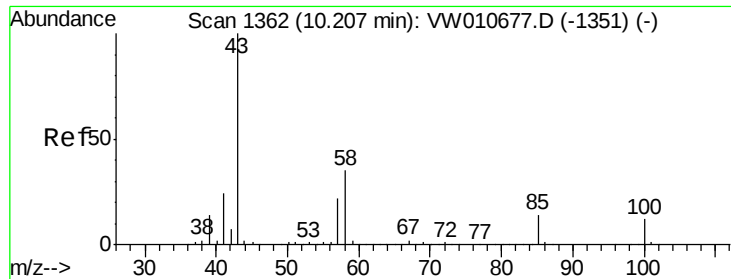
#50
Toluene-d8
Concen: 54.505 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

Tgt Ion: 98 Resp: 483479
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



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: 1.217 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

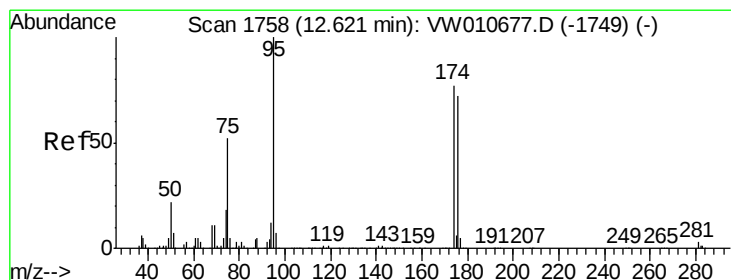
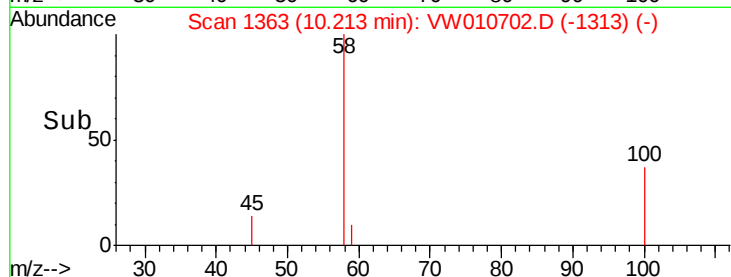
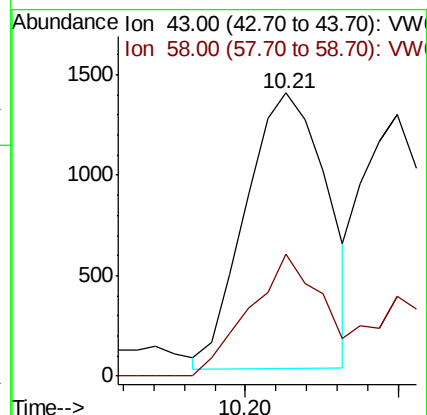
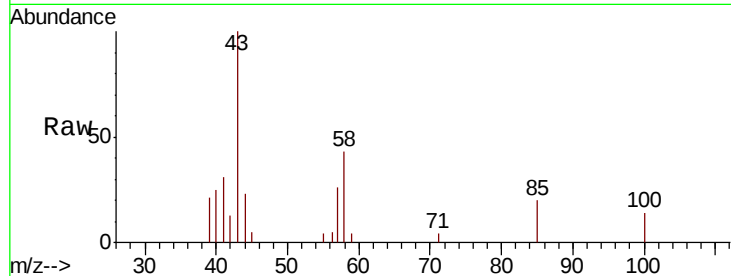
VW0606SBL01

Tot Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

58 46.3 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 52.204 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

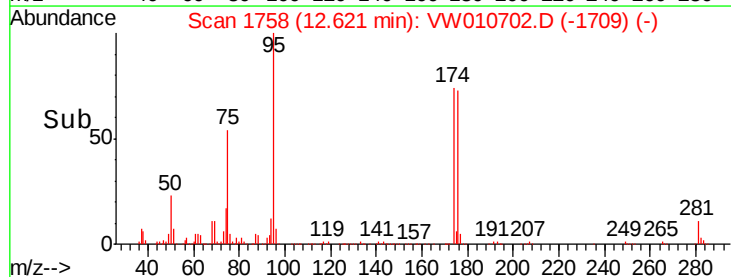
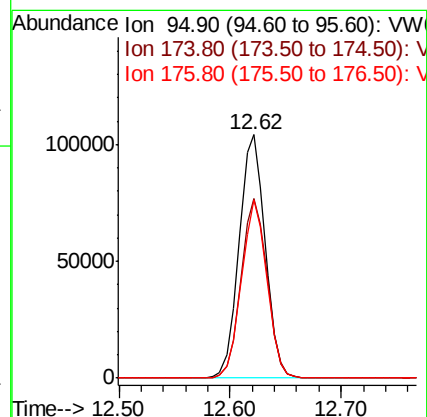
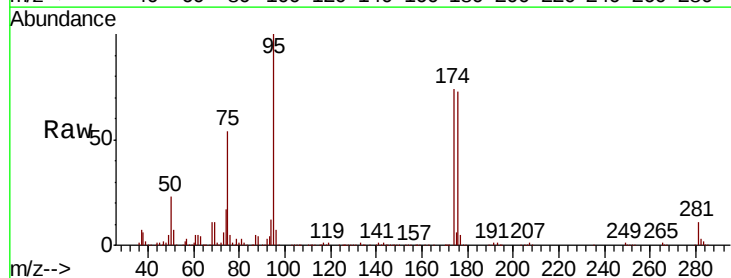
Tgt Ion: 95 Resp: 168506

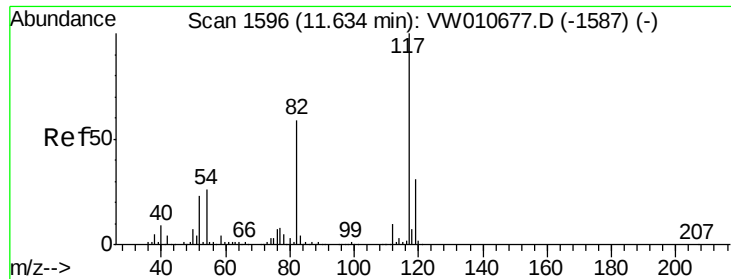
Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.4

176 71.5 0.0 144.8

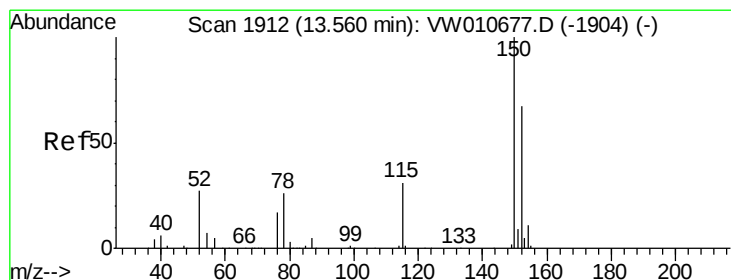
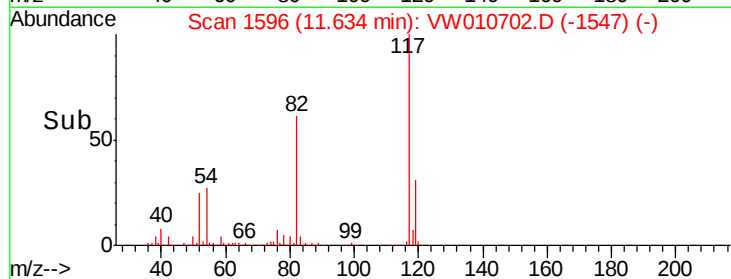
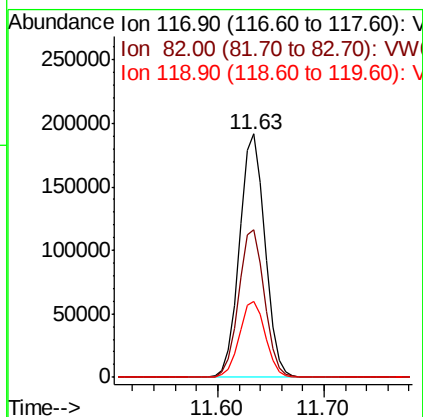
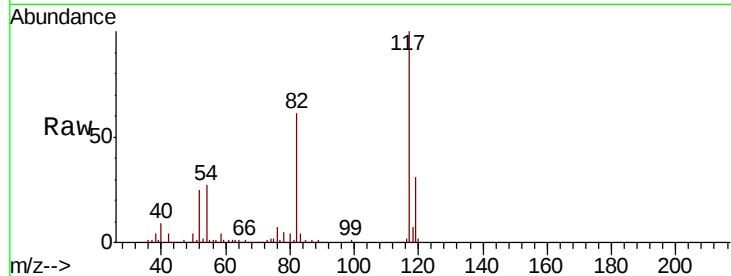




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

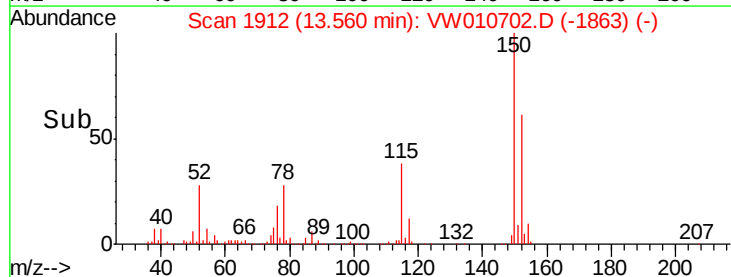
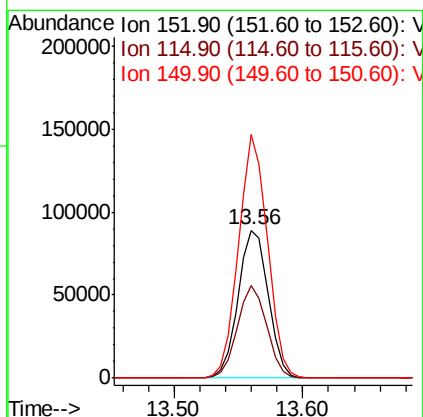
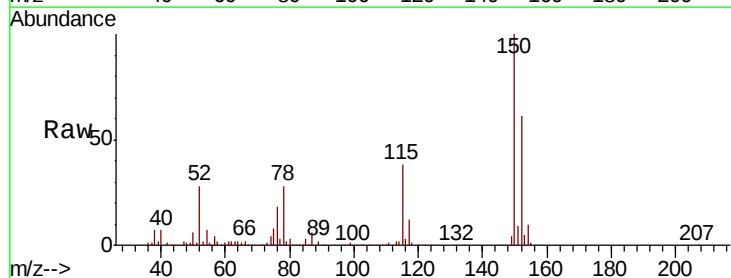
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBL01

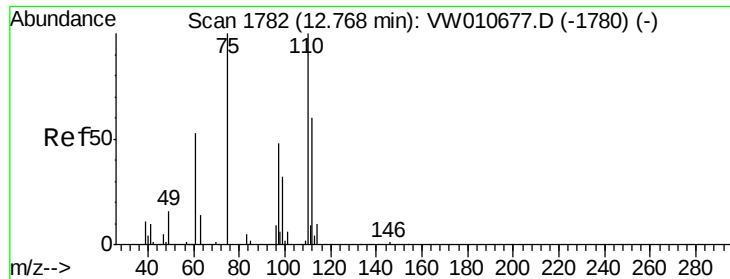
Tot Ion:117 Resp: 323330
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.4
119 31.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010702.D
Acq: 06 Jun 2019 11:31

Tgt Ion:152 Resp: 143979
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 158.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 60.582 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

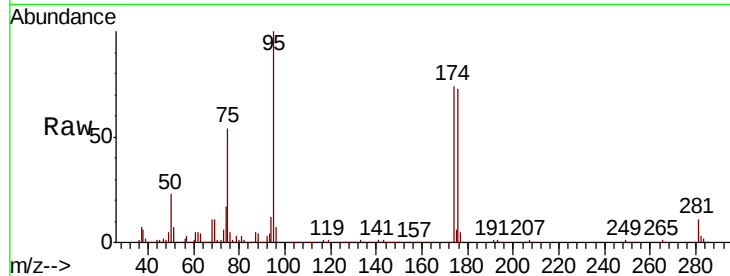
VW0606SBL01

Tot Ion: 75 Resp: 91598

Ion Ratio Lower Upper

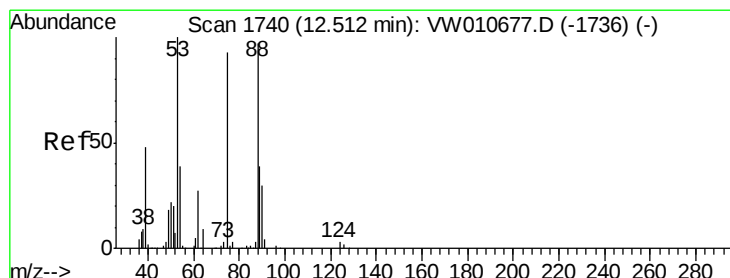
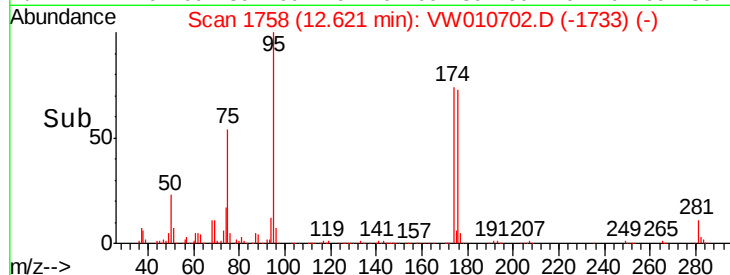
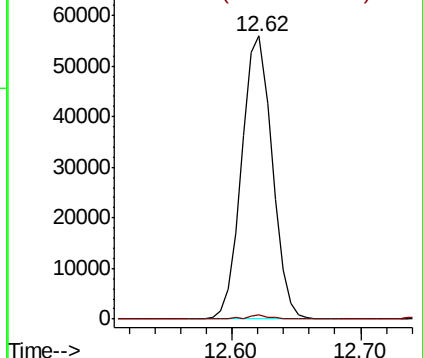
75 100

77 1.1 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: 139.237 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010702.D

Acq: 06 Jun 2019 11:31

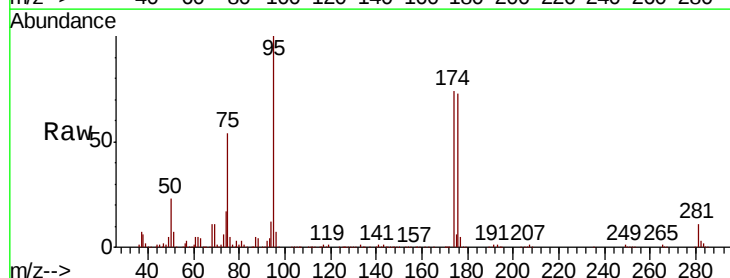
Tgt Ion: 75 Resp: 91598

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.2 34.6 52.0#



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

