

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\  
 Data File : VW011051.D  
 Acq On : 28 Jun 2019 10:36  
 Operator : SY/VA  
 Sample : VW0629SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0629SBL01

Quant Time: Jun 29 01:48:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:55:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 196636   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 327585   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 275985   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 119371   | 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   | 127533   | 49.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.22%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 100593   | 50.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.58% |          |
| 50) Toluene-d8              | 10.32 | 98   | 404391   | 49.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.22%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 134137   | 44.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.08%  |          |

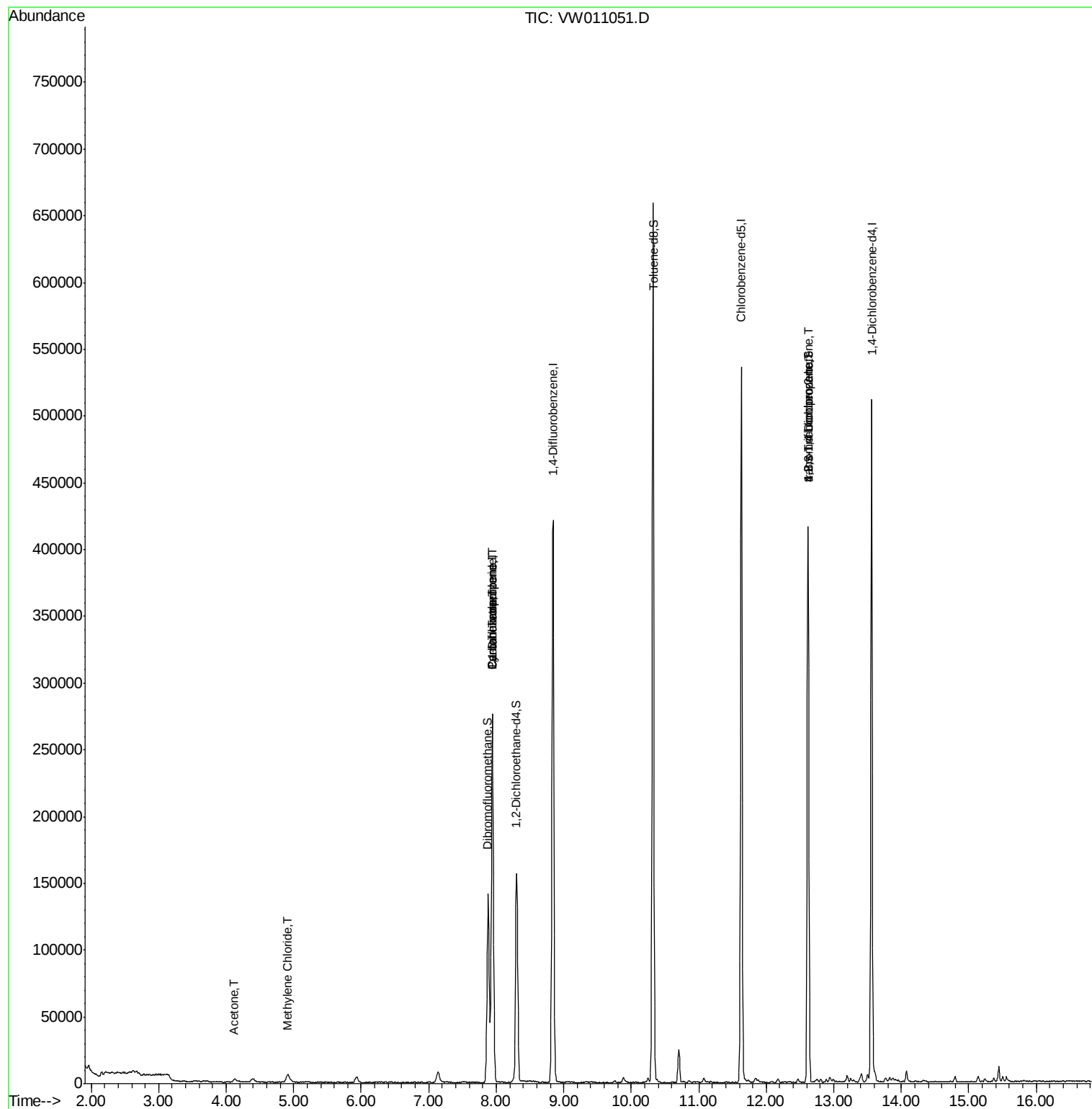
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                    | 4.12  | 43   | 5761     | 9.181   | ug/l   | 99     |
| 20) Methylene Chloride         | 4.91  | 84   | 4448     | 1.745   | ug/l   | 89     |
| 31) Cyclohexane                | 7.94  | 56   | 5538     | 1.126   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 17757    | 5.043   | ug/l # | 52     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 20184    | 6.961   | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 73280    | 58.147  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 73280    | 117.673 | ug/l # | 3      |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062919\  
Data File : VW011051.D  
Acq On : 28 Jun 2019 10:36  
Operator : SY/VA  
Sample : VW0629SBL01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
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MSVOA\_W  
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VW0629SBL01

Quant Time: Jun 29 01:48:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 28 01:55:46 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: VW011051.D

Acq: 28 Jun 2019 10:36

Instrument :

MSVOA\_W

ClientSampleId :

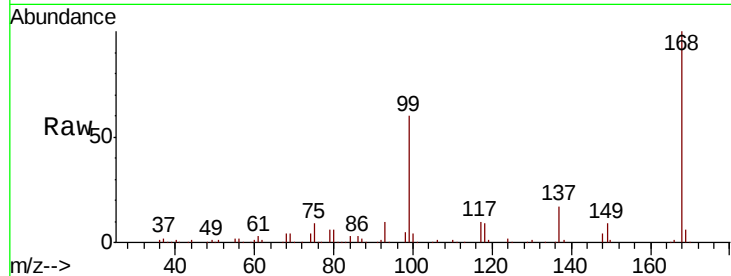
VW0629SBL01

Tot Ion:168 Resp: 196636

Ion Ratio Lower Upper

168 100

99 60.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

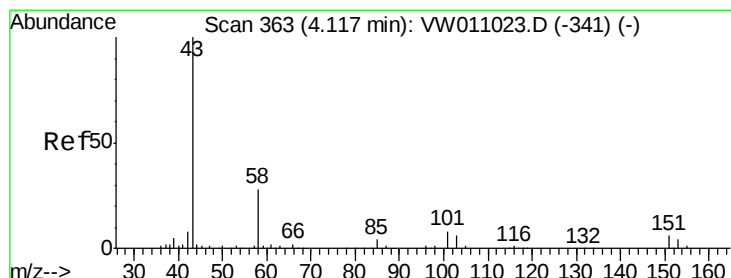
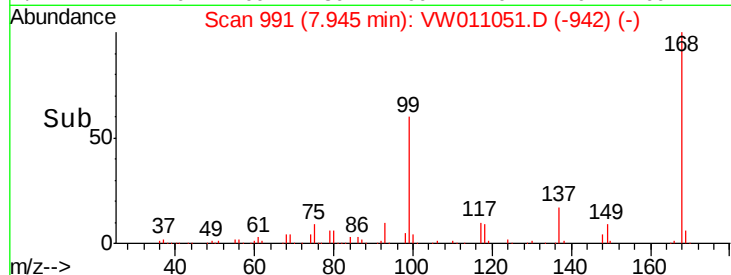
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 9.181 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011051.D

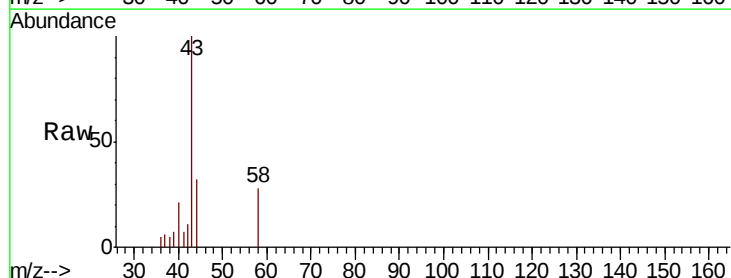
Acq: 28 Jun 2019 10:36

Tgt Ion: 43 Resp: 5761

Ion Ratio Lower Upper

43 100

58 27.8 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

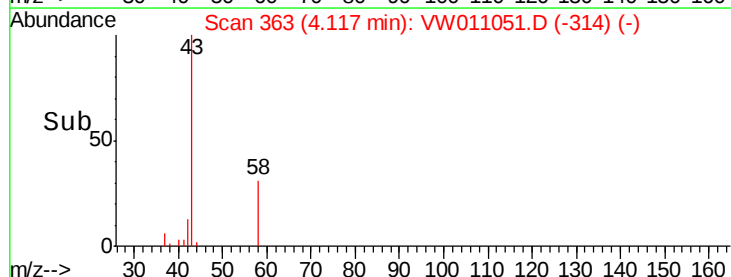
1500

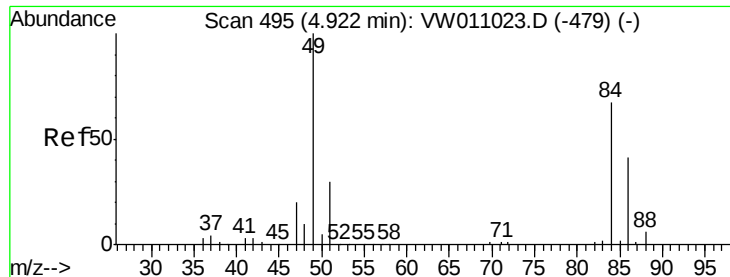
1000

500

0

Time-->

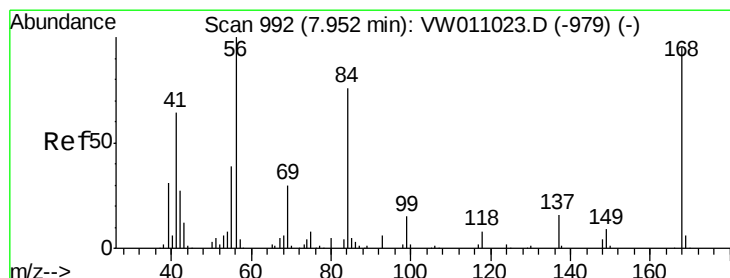
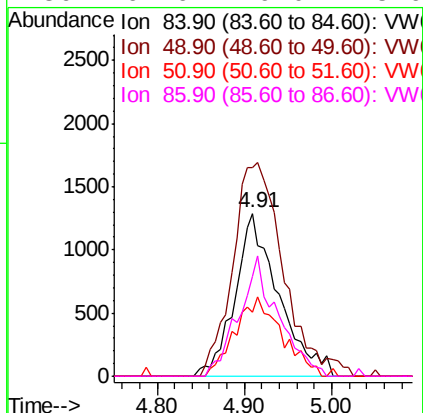
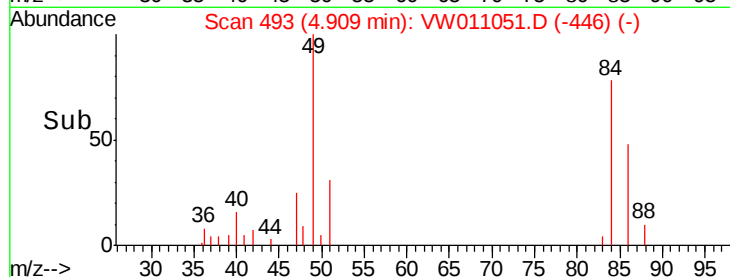
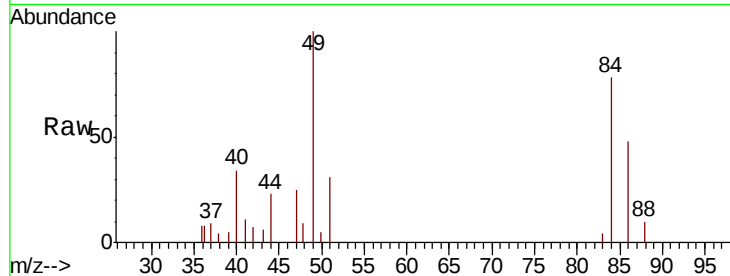




#20  
Methvlene Chloride  
Concen: 1.745 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW011051.D  
Acq: 28 Jun 2019 10:36

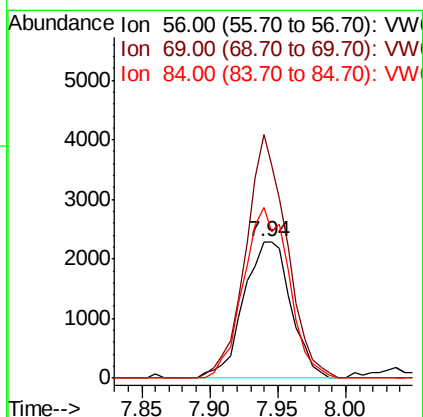
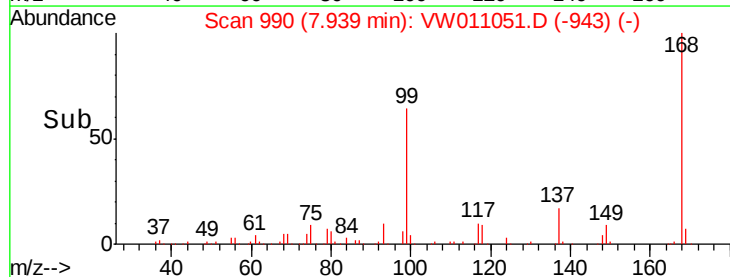
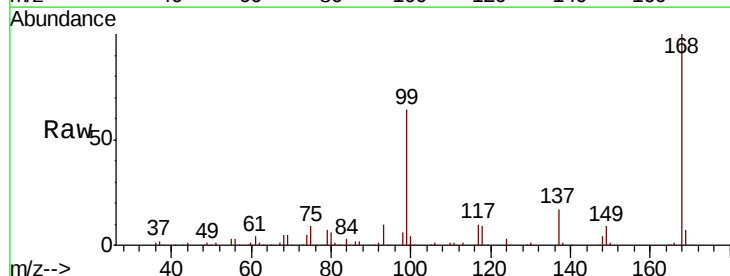
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0629SBL01

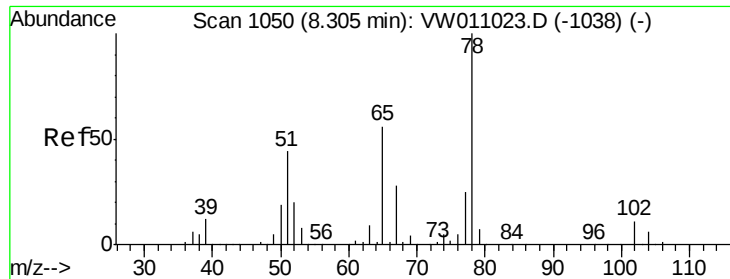
Tot Ion: 84 Resp: 4448  
Ion Ratio Lower Upper  
84 100  
49 128.0 119.6 179.4  
51 39.6 35.6 53.4  
86 61.6 49.0 73.6



#31  
Cyclohexane  
Concen: 1.126 ug/l  
RT: 7.94 min Scan# 990  
Delta R.T. -0.01 min  
Lab File: VW011051.D  
Acq: 28 Jun 2019 10:36

Tgt Ion: 56 Resp: 5538  
Ion Ratio Lower Upper  
56 100  
69 178.7 24.2 36.2#  
84 125.3 60.6 90.8#

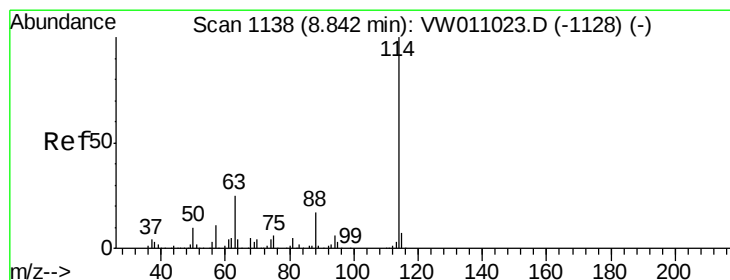
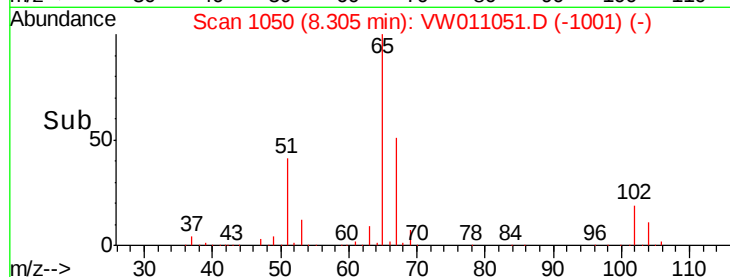
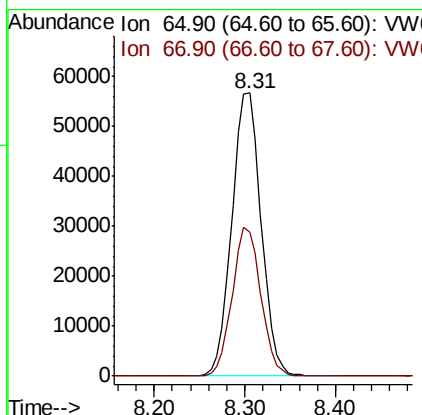
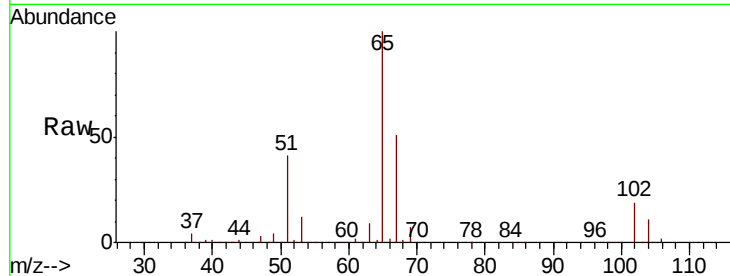




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.613 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW011051.D  
 Acq: 28 Jun 2019 10:36

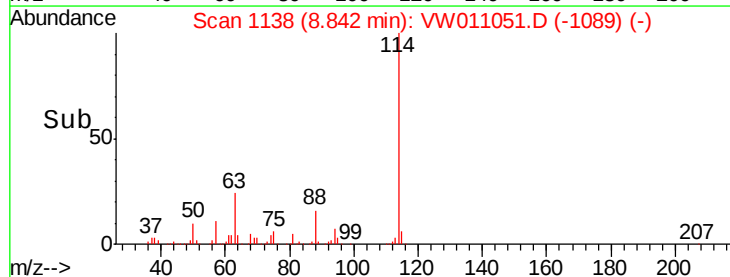
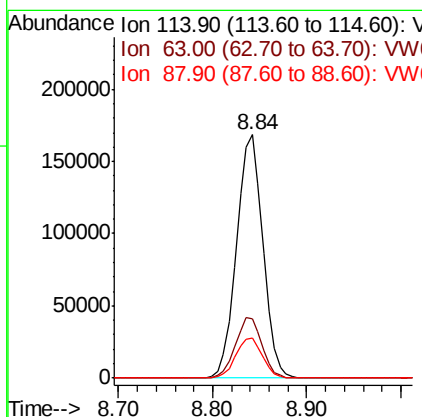
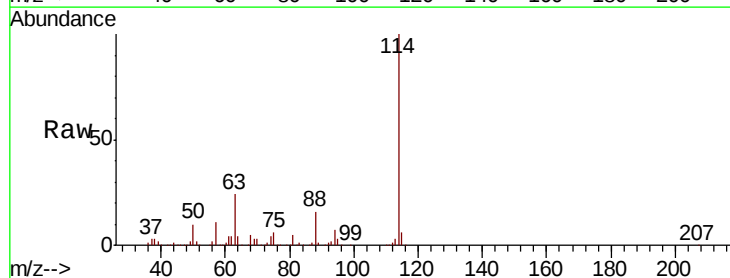
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0629SBL01

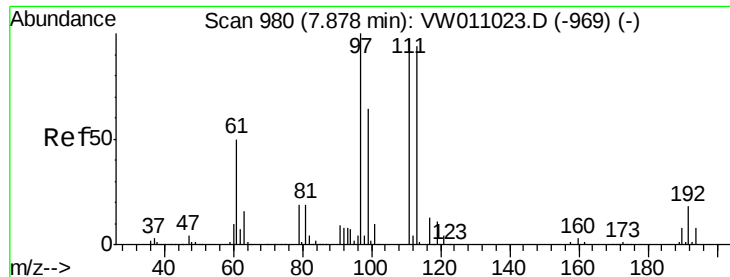
Tot Ion: 65 Resp: 127533  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011051.D  
 Acq: 28 Jun 2019 10:36

Tgt Ion: 114 Resp: 327585  
 Ion Ratio Lower Upper  
 114 100  
 63 24.3 0.0 50.6  
 88 16.2 0.0 34.0

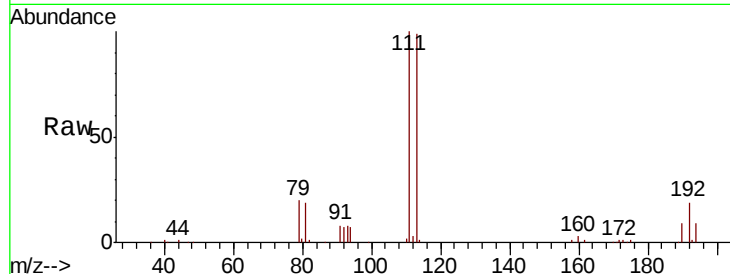




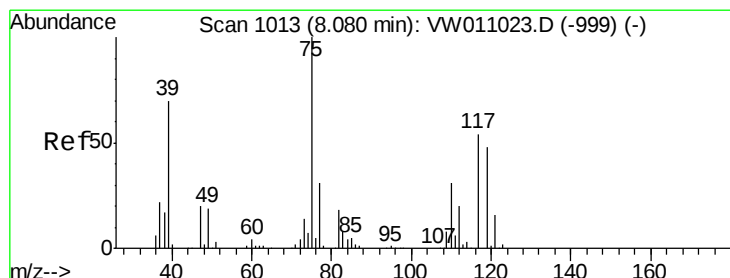
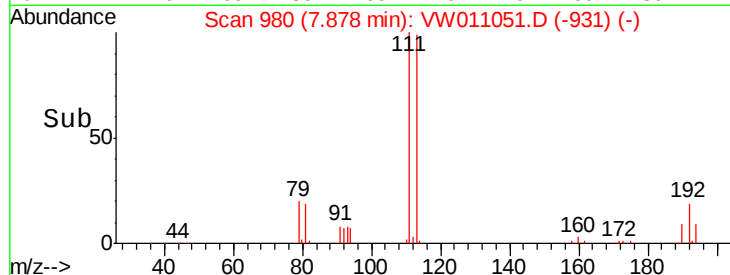
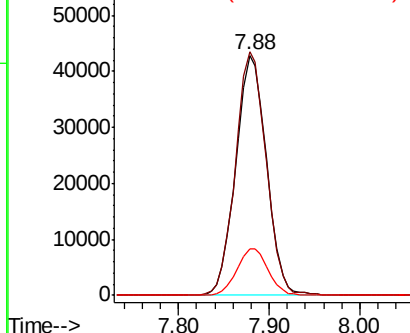
#35  
 Dibromofluoromethane  
 Concen: 50.287 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW011051.D  
 Acq: 28 Jun 2019 10:36

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0629SBL01

Tot Ion:113 Resp: 100593  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 83.8 125.6  
 192 19.6 16.0 24.0

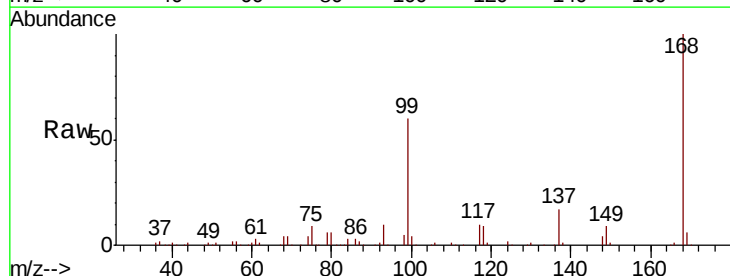


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

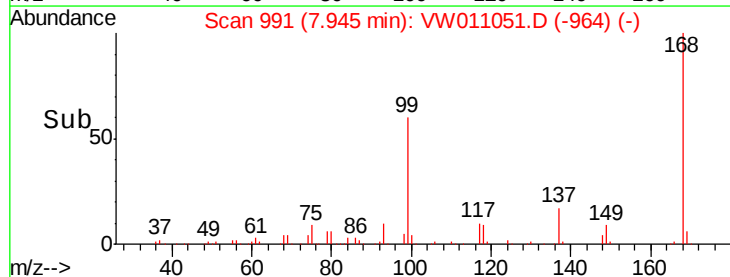
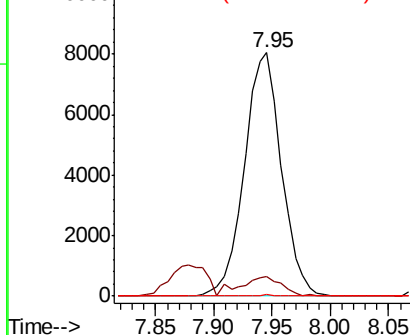


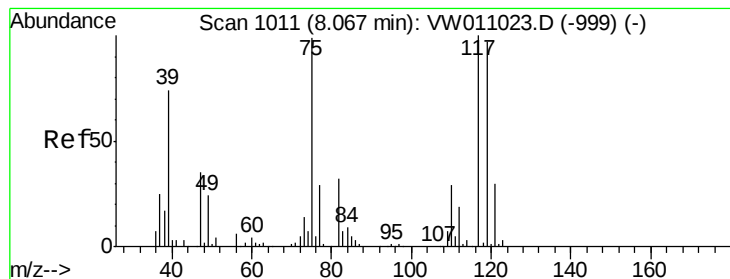
#36  
 1,1-Dichloropropene  
 Concen: 5.043 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW011051.D  
 Acq: 28 Jun 2019 10:36

Tgt Ion: 75 Resp: 17757  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 15.5 46.5#  
 77 0.1 24.9 37.3#



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: 6.961 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011051.D

Acq: 28 Jun 2019 10:36

Instrument :

MSVOA\_W

ClientSampleId :

VW0629SBL01

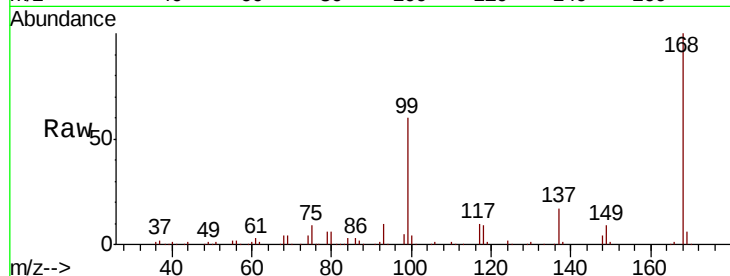
Tot Ion:117 Resp: 20184

Ion Ratio Lower Upper

117 100

119 5.4 77.7 116.5#

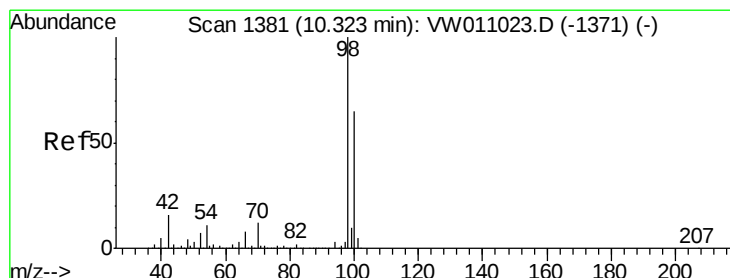
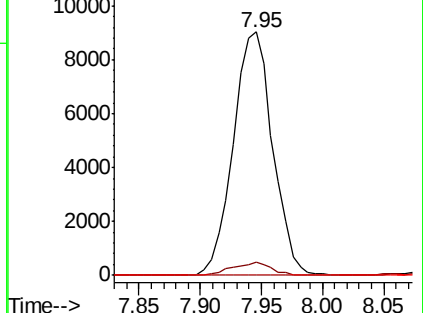
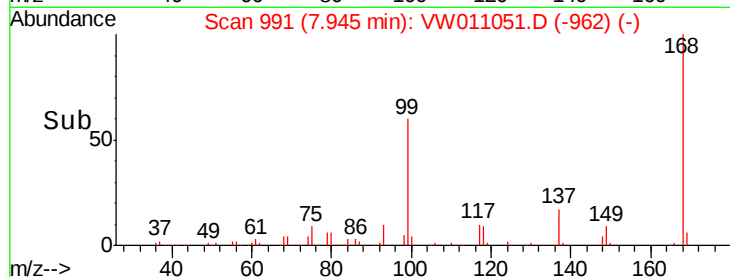
121 0.0 23.9 35.9#



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: 49.112 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011051.D

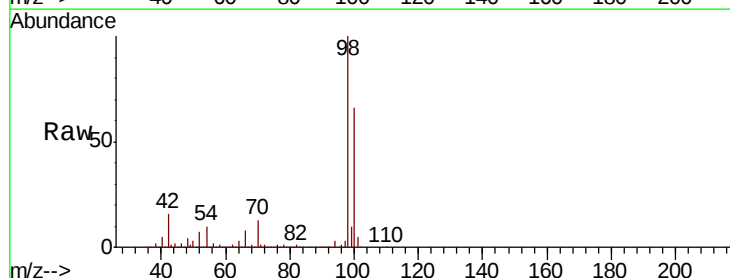
Acq: 28 Jun 2019 10:36

Tgt Ion: 98 Resp: 404391

Ion Ratio Lower Upper

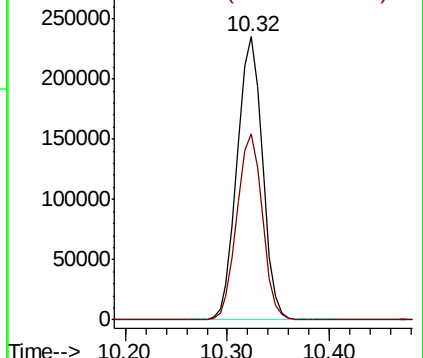
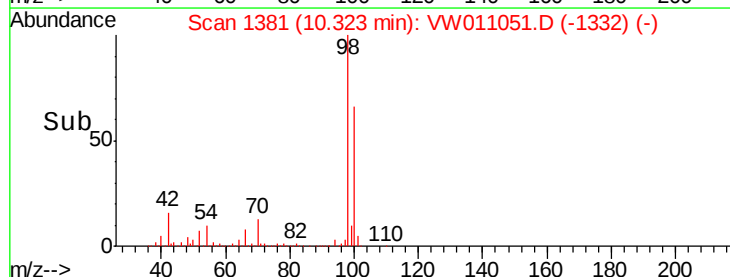
98 100

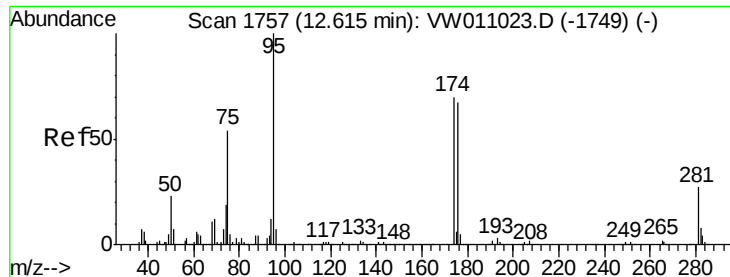
100 65.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.540 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011051.D

Acq: 28 Jun 2019 10:36

Instrument :

MSVOA\_W

ClientSampleId :

VW0629SBL01

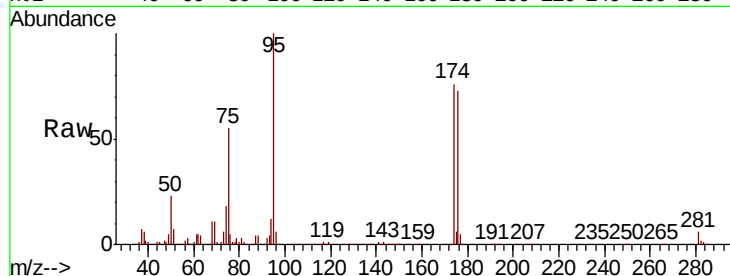
Tot Ion: 95 Resp: 134137

Ion Ratio Lower Upper

95 100

174 73.5 0.0 149.2

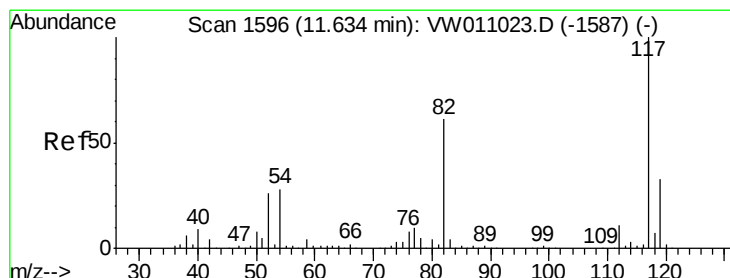
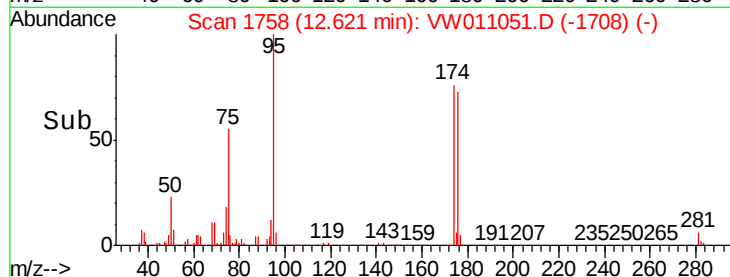
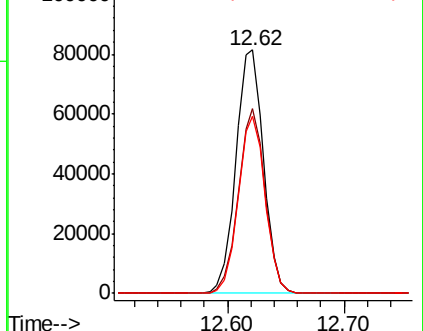
176 71.0 0.0 143.6



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# 1596

Delta R.T. 0.00 min

Lab File: VW011051.D

Acq: 28 Jun 2019 10:36

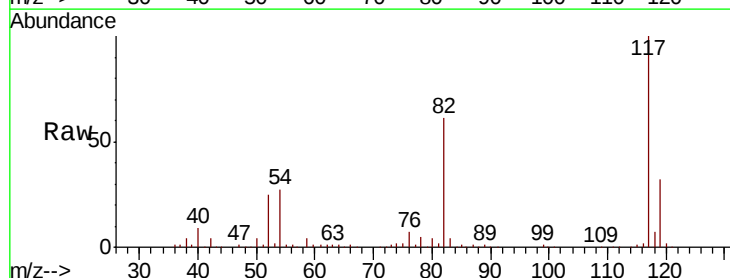
Tgt Ion: 117 Resp: 275985

Ion Ratio Lower Upper

117 100

82 60.5 48.6 73.0

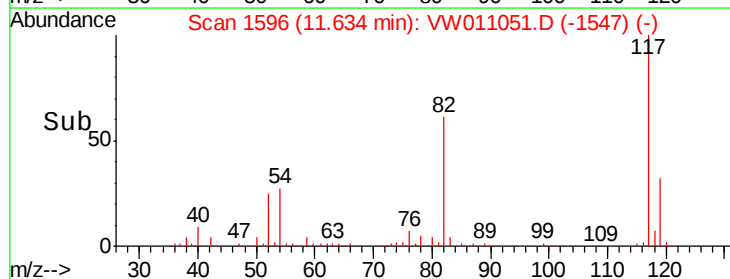
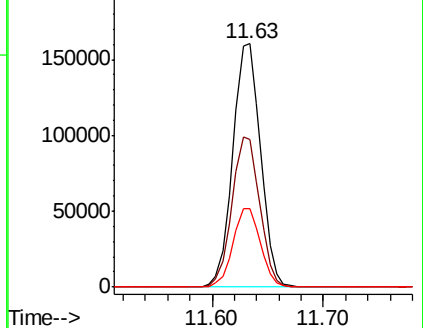
119 32.3 26.1 39.1

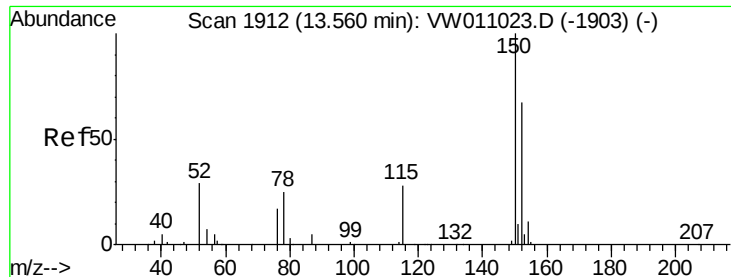


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011051.D

Acq: 28 Jun 2019 10:36

Instrument :

MSVOA\_W

ClientSampleId :

VW0629SBL01

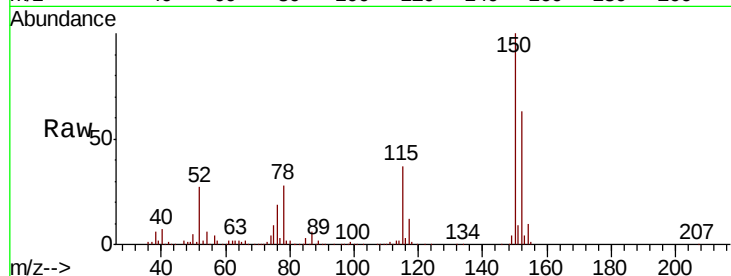
Tot Ion:152 Resp: 119371

Ion Ratio Lower Upper

152 100

115 60.3 30.7 92.1

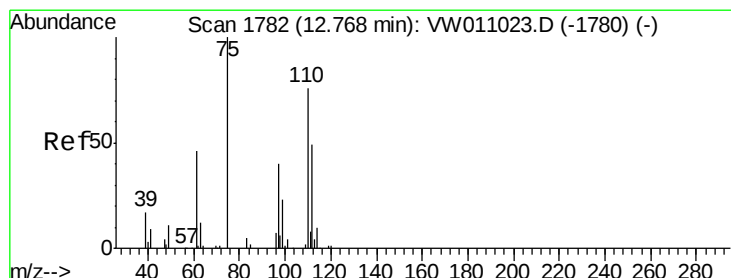
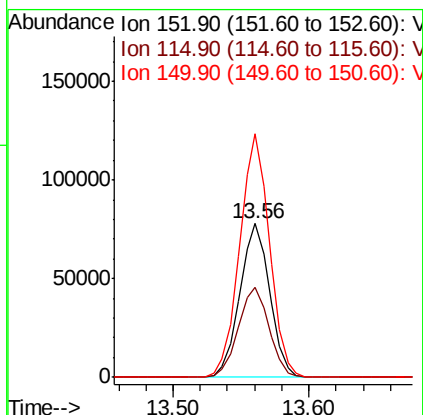
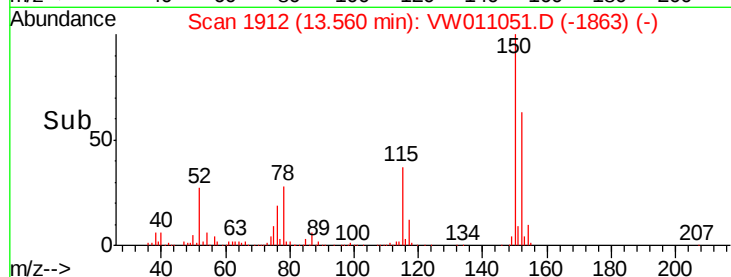
150 157.4 0.0 341.8



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: 58.147 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011051.D

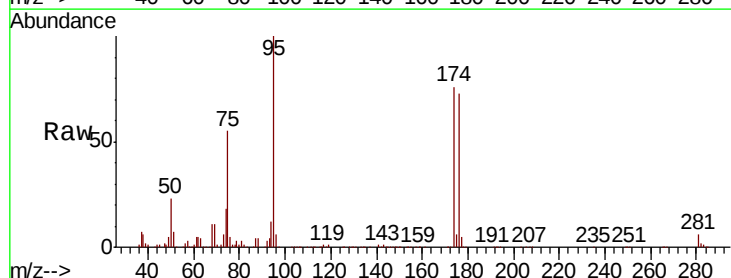
Acq: 28 Jun 2019 10:36

Tgt Ion: 75 Resp: 73280

Ion Ratio Lower Upper

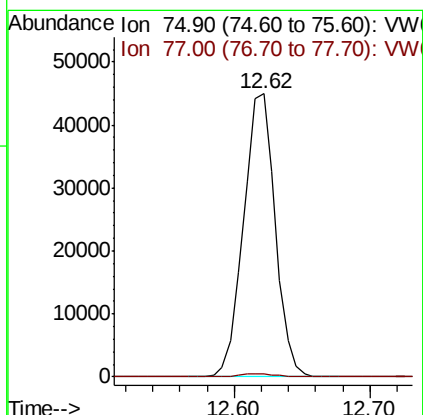
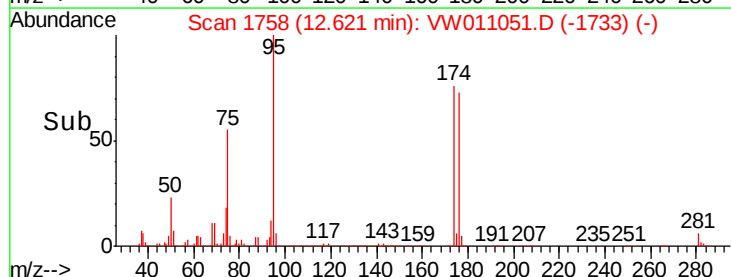
75 100

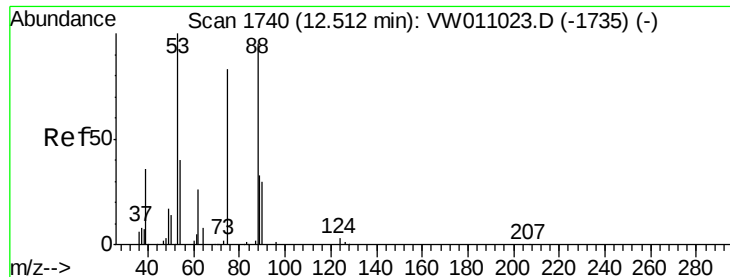
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 117.673 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011051.D

Acq: 28 Jun 2019 10:36

Instrument :

MSVOA\_W

ClientSampleId :

VW0629SBL01

Tot Ion: 75 Resp: 73280

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 34.4 51.6#

