

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061622\  
 Data File : VW026360.D  
 Acq On : 17 Jun 2022 02:28  
 Operator : SY/MD  
 Sample : N3318-02  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJ56

Quant Time: Jun 17 07:22:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR061522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 17 06:57:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114   | 186062   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 178285   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 73775    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.320  | 65    | 62309    | 3.856    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.200%  |
| 7) Chloroethane-d5            | 1.584  | 69    | 53406    | 4.203    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63    | 105199   | 3.791    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.800%  |
| 20) 2-Butanone-d5             | 3.928  | 46    | 85226    | 54.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.100% |
| 24) Chloroform-d              | 4.362  | 84    | 117847   | 4.975    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65    | 49624    | 4.952    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.000%  |
| 32) Benzene-d6                | 5.059  | 84    | 224576   | 4.712    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67    | 71123    | 5.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.200% |
| 41) Toluene-d8                | 7.320  | 98    | 178495   | 4.107    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.200%  |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 13742    | 3.046    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 61.000%  |
| 46) 2-Hexanone-d5             | 8.095  | 63    | 61373    | 45.040   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 44458    | 5.188    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 58376    | 5.137    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.259  | 50    | 703      | 0.046    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.327  | 62    | 47223    | 2.940    | ug/L # | 81       |
| 8) Chloroethane               | 1.545  | 64    | 124405   | 12.477   | ug/L # | 49       |
| 12) 1,1-Dichloroethene        | 2.134  | 96    | 35607    | 3.029    | ug/L # | 80       |
| 14) Carbon disulfide          | 2.307  | 76    | 2187     | 0.075    | ug/L # | 91       |
| 17) Methyl tert-butyl Ether   | 2.786  | 73    | 1611     | 0.080    | ug/L # | 87       |
| 18) trans-1,2-Dichloroethene  | 2.783  | 96    | 2738     | 0.240    | ug/L   | 84       |
| 19) 1,1-Dichloroethane        | 3.208  | 63    | 33147    | 1.525    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.928  | 96    | 311777   | 27.030   | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95    | 155340   | 12.448   | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.076  | 83    | 17097    | 0.990    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.185  | 63    | 1561     | 0.131    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 6.995  | 75    | 1065     | 0.078    | ug/L   | 87       |
| 45) 1,1,2-Trichloroethane     | 7.706  | 97    | 2282     | 0.291    | ug/L # | 17       |
| 49) Dibromochloromethane      | 7.982  | 129   | 234      | 0.027    | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 8505     | 1.777    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

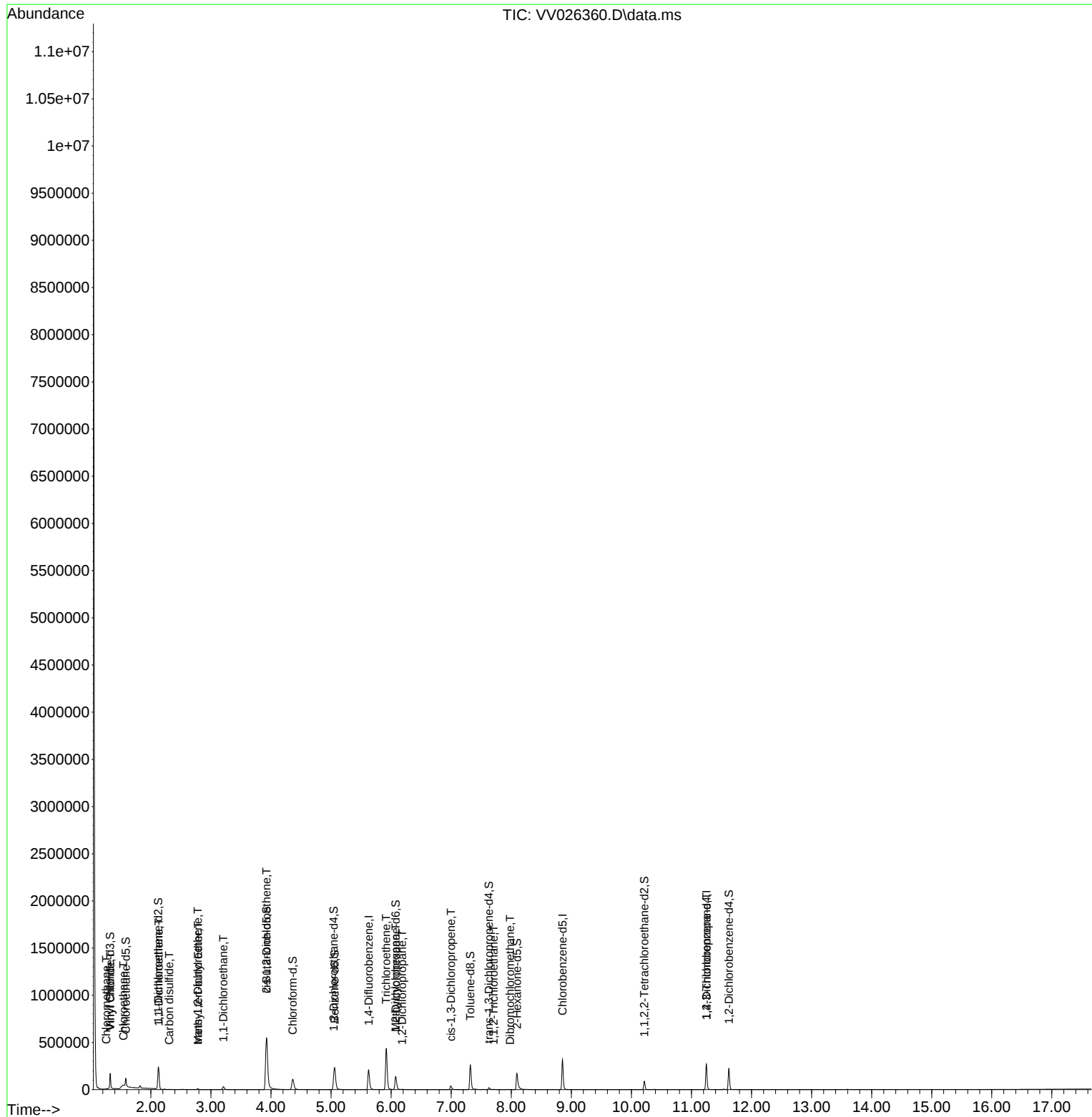
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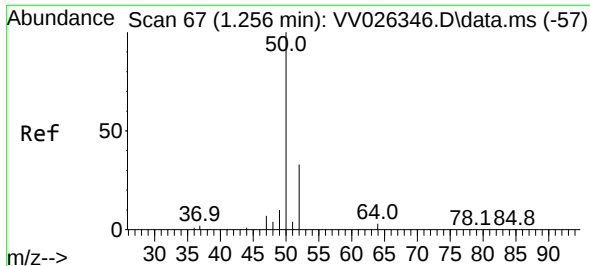
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
BGJ56

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061622\  
Data File : VV026360.D  
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Quant Time: Jun 17 07:22:05 2022  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 17 06:57:04 2022  
Response via : Initial Calibration

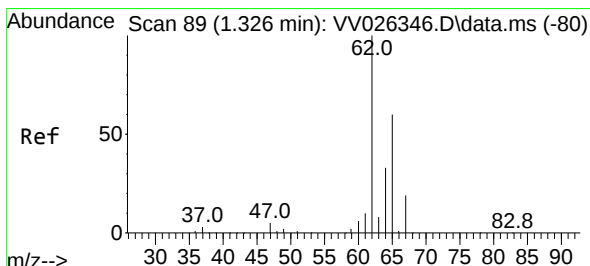
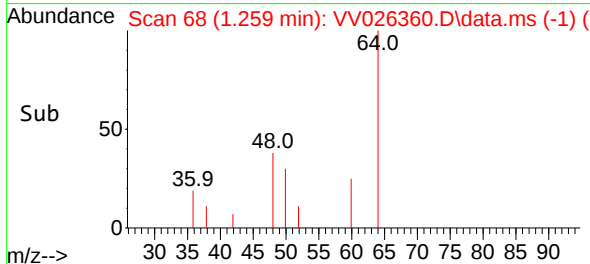
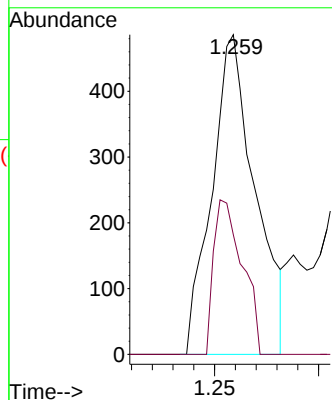
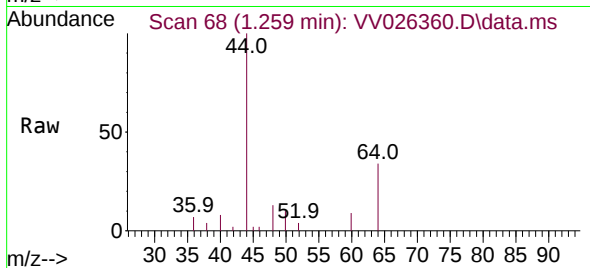




#3  
Chloromethane  
Concen: 0.046 ug/L  
RT: 1.259 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV026360.D  
Acq: 17 Jun 2022 02:28

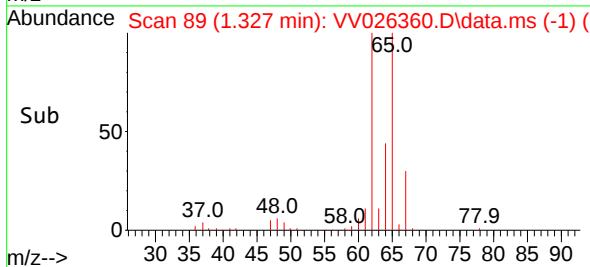
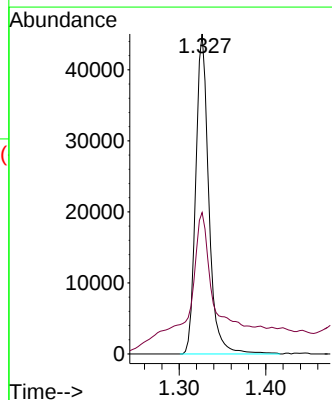
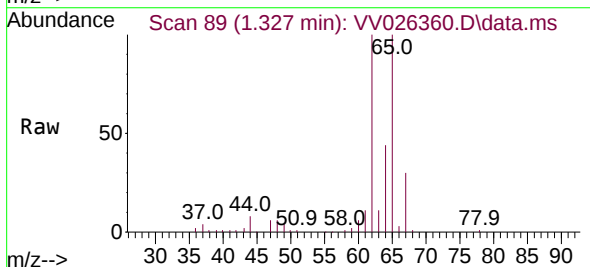
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ56

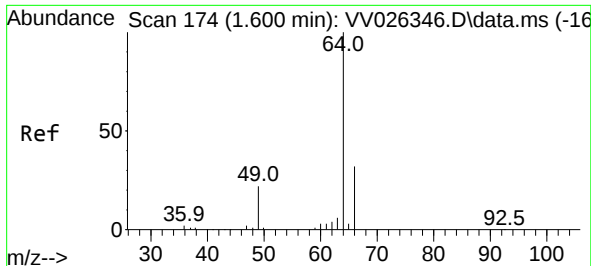
Tgt Ion: 50 Resp: 703  
Ion Ratio Lower Upper  
50 100  
52 37.4 23.7 44.1



#5  
Vinyl chloride  
Concen: 2.940 ug/L  
RT: 1.327 min Scan# 89  
Delta R.T. 0.000 min  
Lab File: VV026360.D  
Acq: 17 Jun 2022 02:28

Tgt Ion: 62 Resp: 47223  
Ion Ratio Lower Upper  
62 100  
64 44.2 23.2 43.2#

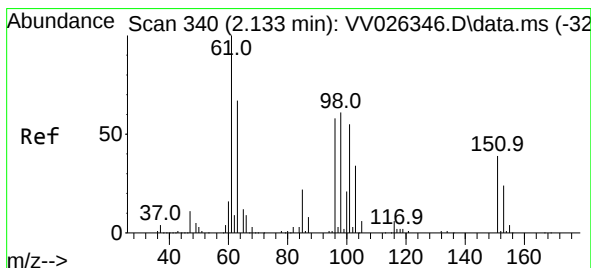
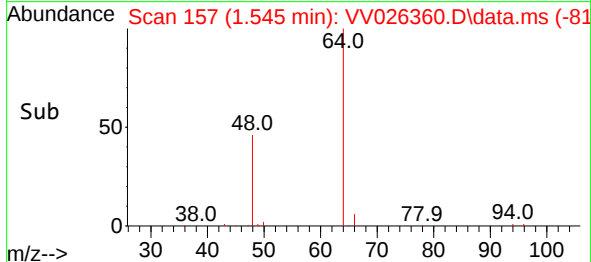
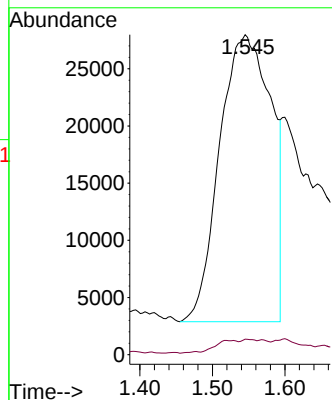
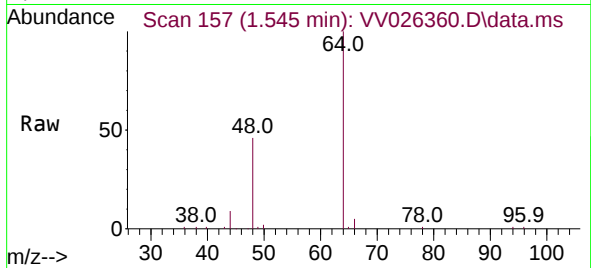




#8  
Chloroethane  
Concen: 12.477 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VV026360.D  
Acq: 17 Jun 2022 02:28

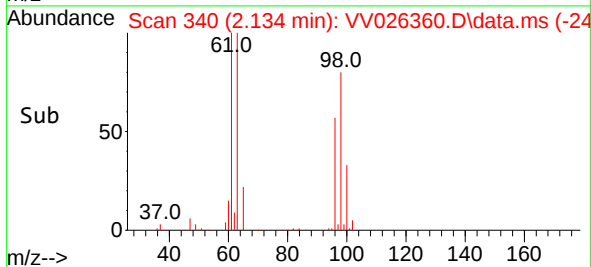
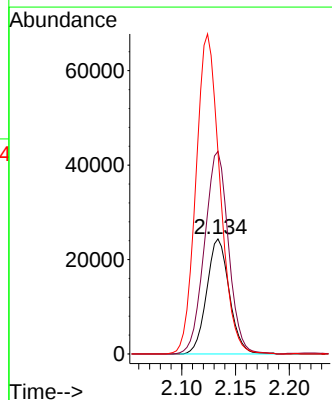
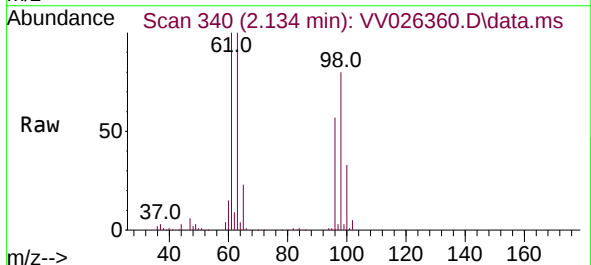
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ56

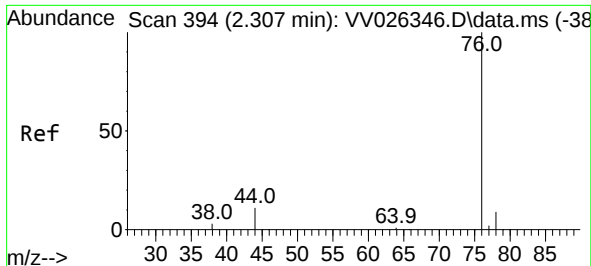
Tgt Ion: 64 Resp: 124405  
Ion Ratio Lower Upper  
64 100  
66 4.8 24.1 44.7#



#12  
1,1-Dichloroethene  
Concen: 3.029 ug/L  
RT: 2.134 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VV026360.D  
Acq: 17 Jun 2022 02:28

Tgt Ion: 96 Resp: 35607  
Ion Ratio Lower Upper  
96 100  
61 176.1 117.1 217.5  
63 175.7 92.8 172.4#





#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.307 min Scan# 394

Delta R.T. 0.000 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Instrument :

MSVOA\_V

ClientSampleId :

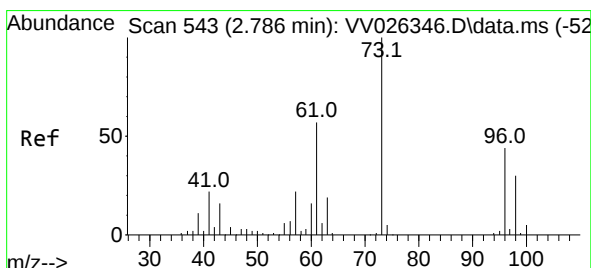
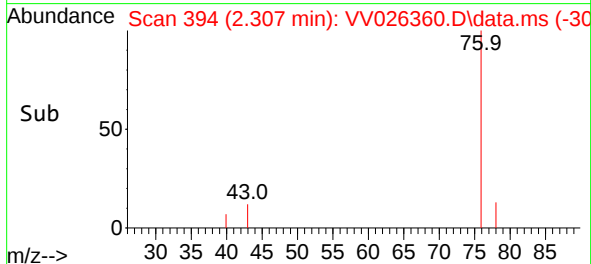
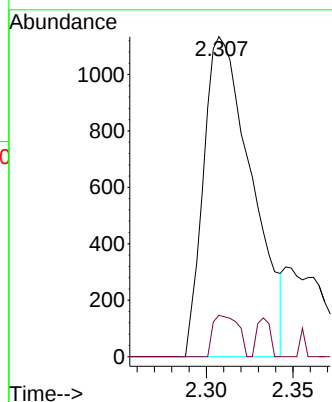
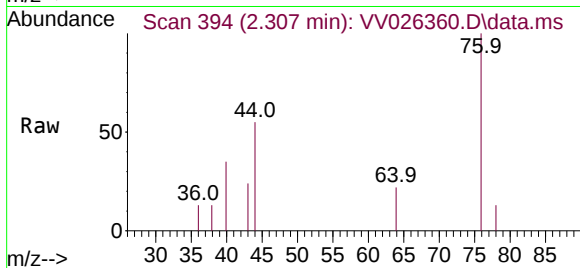
BGJ56

Tgt Ion: 76 Resp: 2187

Ion Ratio Lower Upper

76 100

78 13.0 7.7 11.5#



#17

Methyl tert-butyl Ether

Concen: 0.080 ug/L

RT: 2.786 min Scan# 543

Delta R.T. 0.000 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

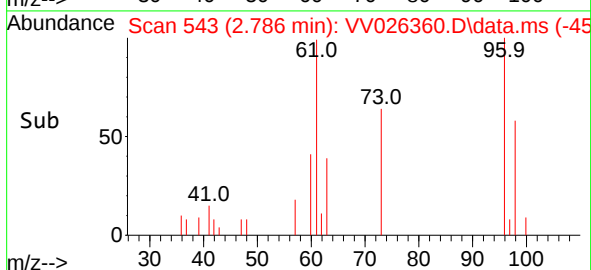
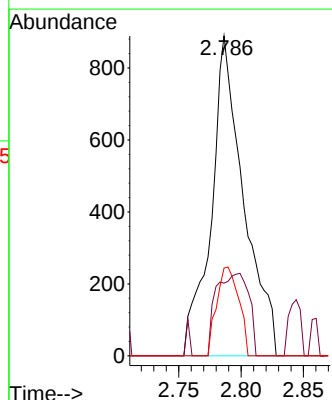
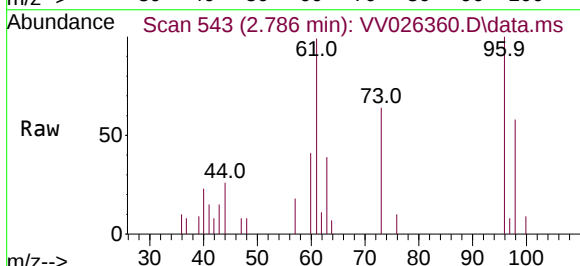
Tgt Ion: 73 Resp: 1611

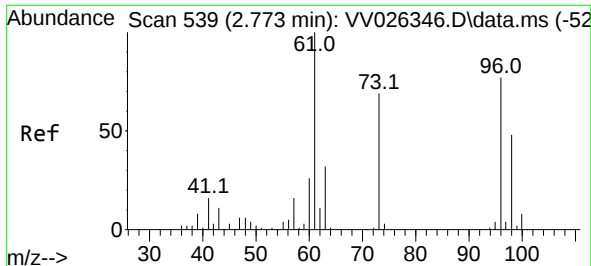
Ion Ratio Lower Upper

73 100

43 25.8 13.0 19.6#

57 18.8 17.6 26.4



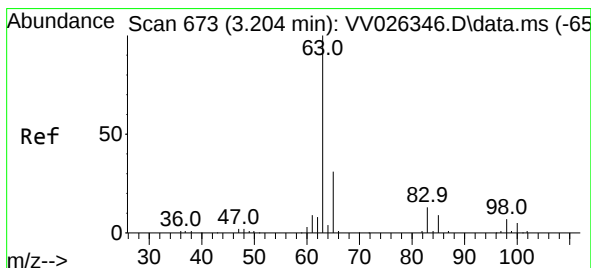
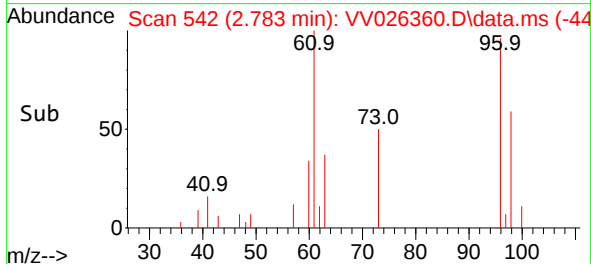
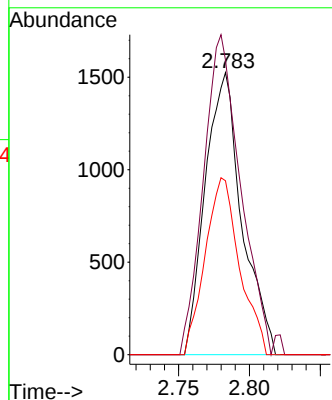
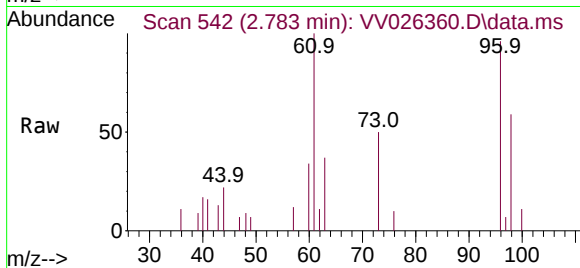


#18  
 trans-1,2-Dichloroethene  
 Concen: 0.240 ug/L  
 RT: 2.783 min Scan# 541  
 Delta R.T. 0.010 min  
 Lab File: VV026360.D  
 Acq: 17 Jun 2022 02:28

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJ56

Tgt Ion: 96 Resp: 2738

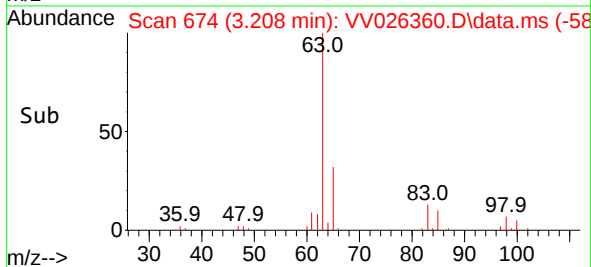
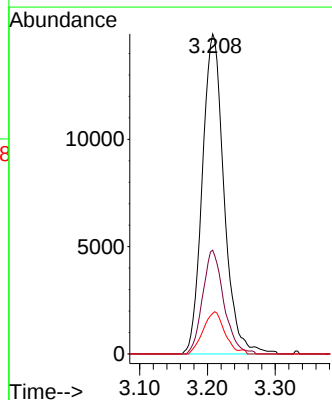
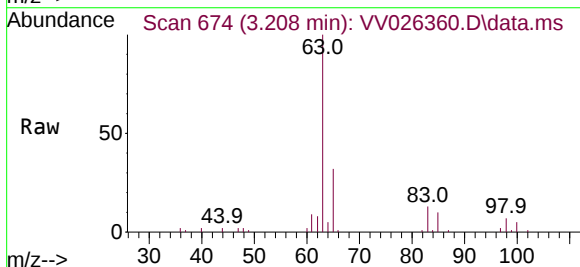
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 104.5 | 91.3  | 169.6 |
| 98  | 61.6  | 45.3  | 84.1  |

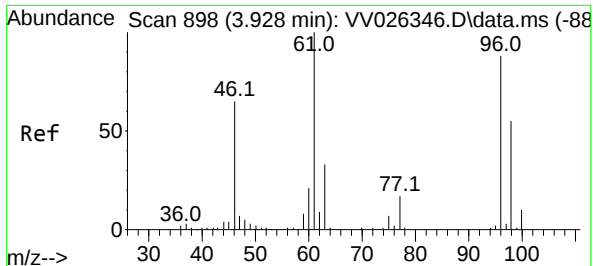


#19  
 1,1-Dichloroethane  
 Concen: 1.525 ug/L  
 RT: 3.208 min Scan# 674  
 Delta R.T. 0.003 min  
 Lab File: VV026360.D  
 Acq: 17 Jun 2022 02:28

Tgt Ion: 63 Resp: 33147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.5  | 22.3  | 41.3  |
| 83  | 12.7  | 8.9   | 16.5  |





#22

cis-1,2-Dichloroethene

Concen: 27.030 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.000 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Instrument :

MSVOA\_V

ClientSampleId :

BGJ56

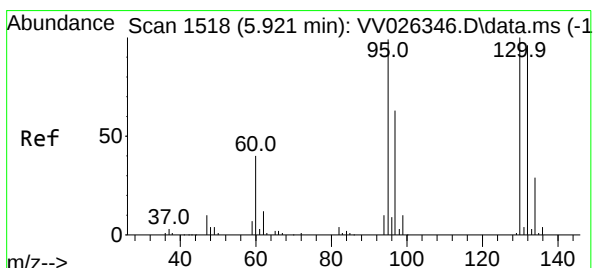
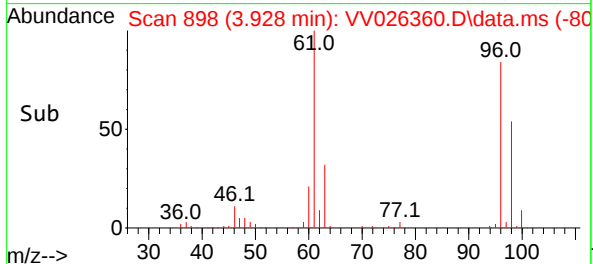
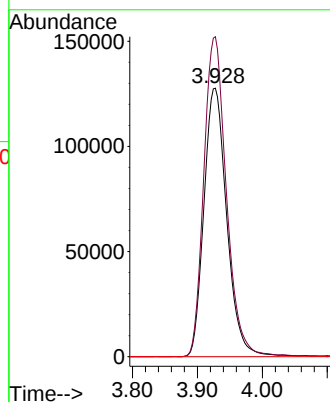
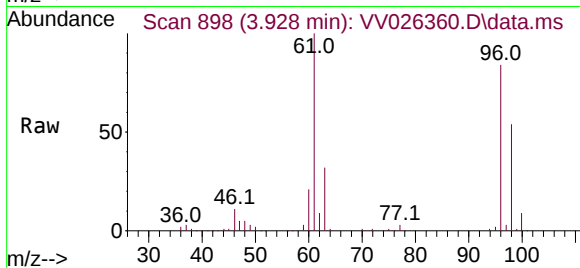
Tgt Ion: 96 Resp: 311777

Ion Ratio Lower Upper

96 100

61 119.2 83.6 155.2

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 12.448 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Tgt Ion: 95 Resp: 155340

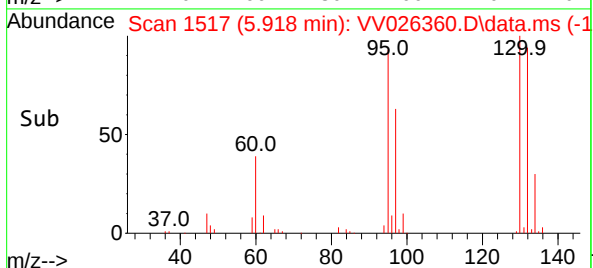
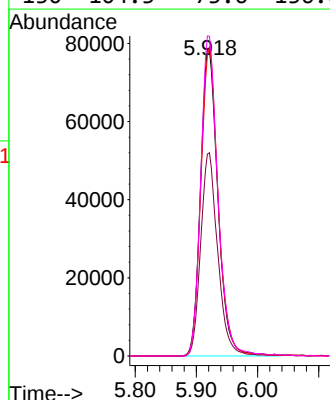
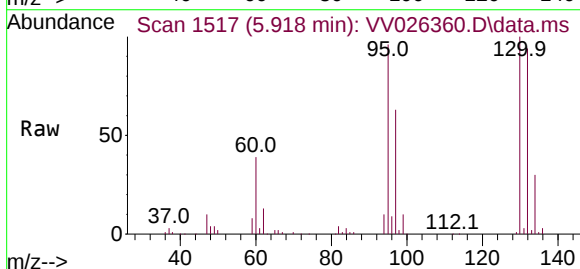
Ion Ratio Lower Upper

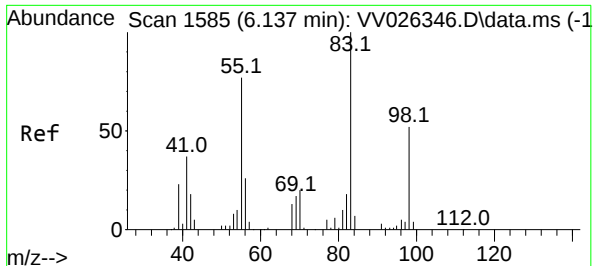
95 100

97 65.8 46.5 86.3

132 98.1 68.8 127.8

130 104.3 73.6 136.6





#35

Methylcyclohexane

Concen: 0.990 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.061 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

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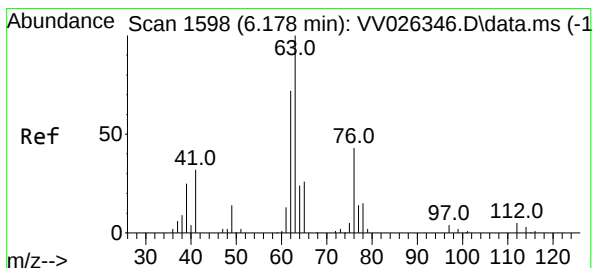
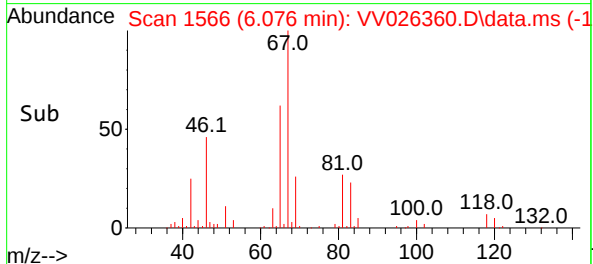
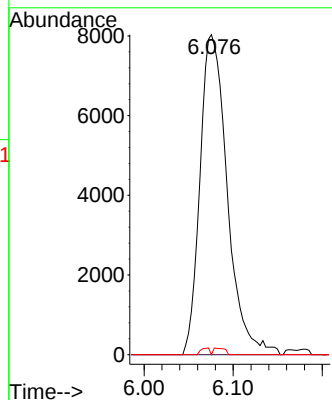
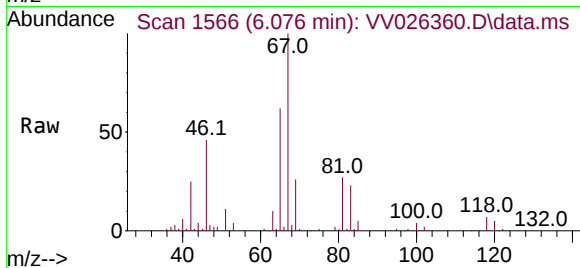
Tgt Ion: 83 Resp: 17097

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

98 0.9 39.9 59.9#



#37

1,2-Dichloropropane

Concen: 0.131 ug/L

RT: 6.185 min Scan# 1600

Delta R.T. 0.007 min

Lab File: VV026360.D

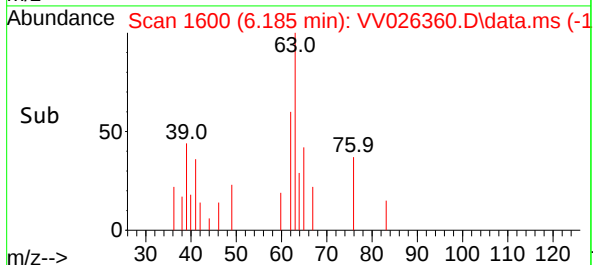
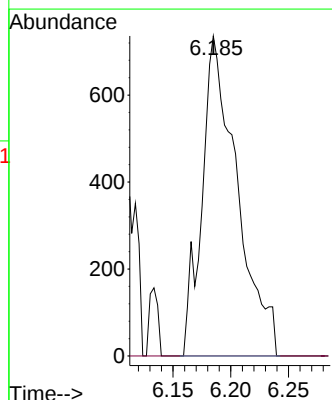
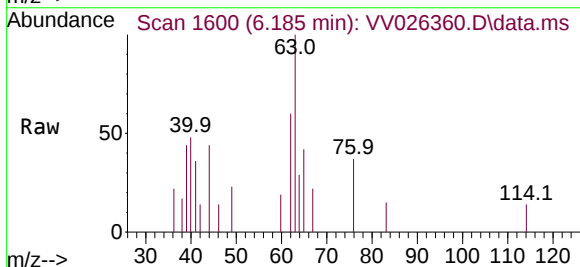
Acq: 17 Jun 2022 02:28

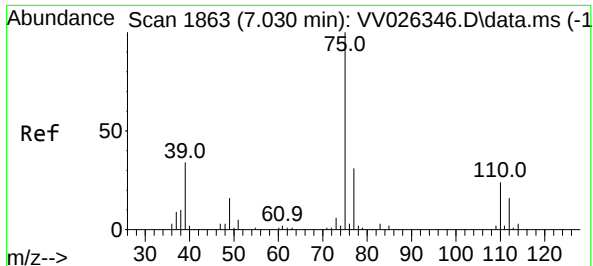
Tgt Ion: 63 Resp: 1561

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Instrument :

MSVOA\_V

ClientSampleId :

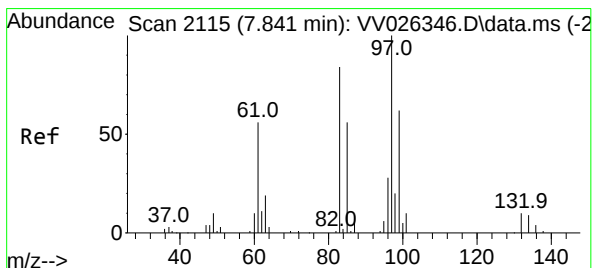
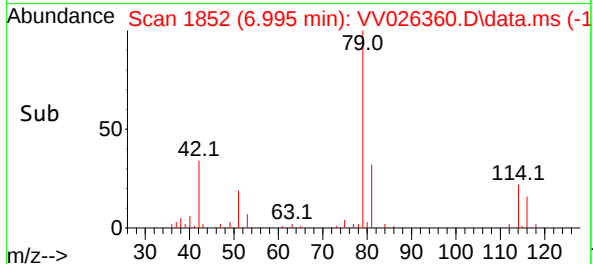
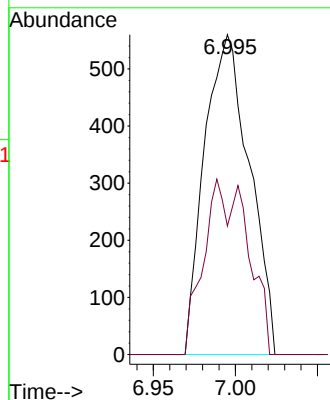
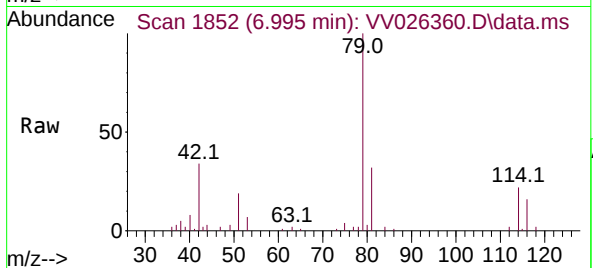
BGJ56

Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 40.2 23.0 42.6



#45

1,1,2-Trichloroethane

Concen: 0.291 ug/L

RT: 7.706 min Scan# 2073

Delta R.T. -0.135 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Tgt Ion: 97 Resp: 2282

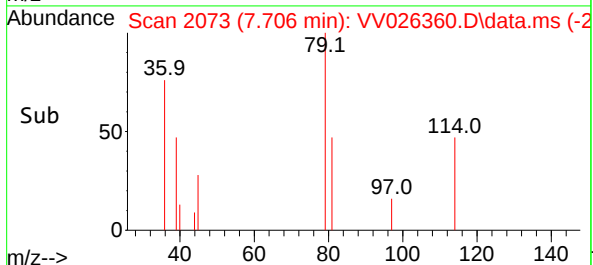
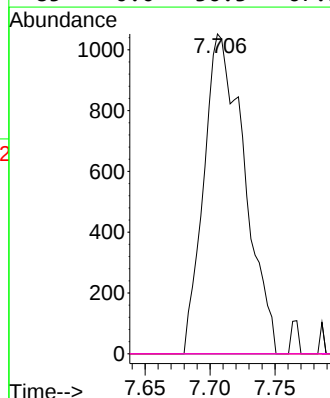
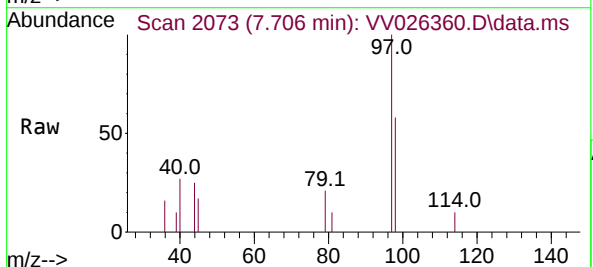
Ion Ratio Lower Upper

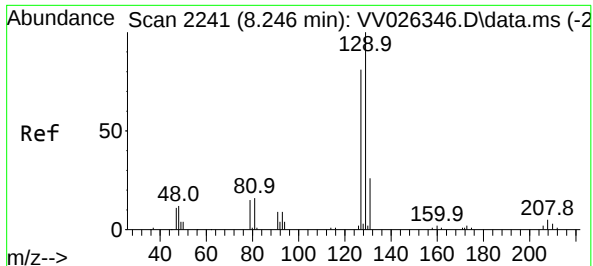
97 100

99 0.0 42.4 78.6#

83 0.0 56.1 104.1#

85 0.0 36.3 67.5#





#49

Dibromochloromethane

Concen: 0.027 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Instrument :

MSVOA\_V

ClientSampleId :

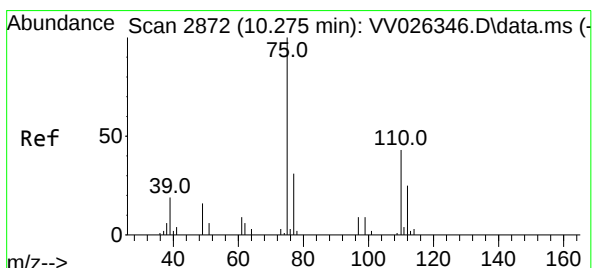
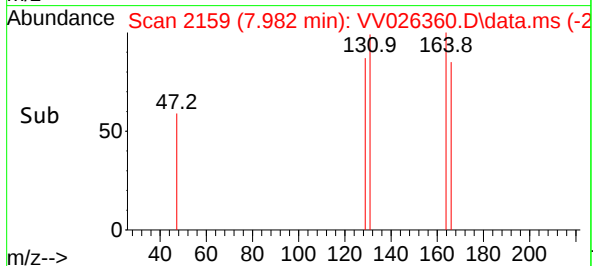
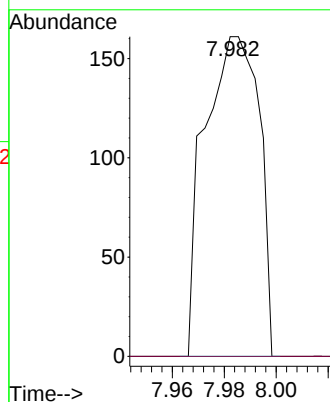
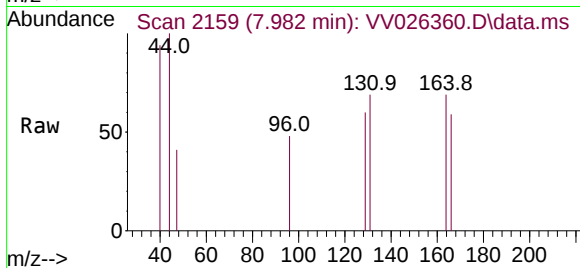
BGJ56

Tgt Ion:129 Resp: 234

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#61

1,2,3-Trichloropropane

Concen: 1.777 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV026360.D

Acq: 17 Jun 2022 02:28

Tgt Ion: 75 Resp: 8505

Ion Ratio Lower Upper

75 100

77 34.9 26.9 40.3

110 3.0 30.7 46.1#

