

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061622\  
 Data File : VW026361.D  
 Acq On : 17 Jun 2022 02:52  
 Operator : SY/MD  
 Sample : N3318-03  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJ57

Quant Time: Jun 17 07:22:19 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        | 5.622  | 114   | 188925   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 182435   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 75111    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.320  | 65    | 60336    | 3.677    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.600%   |
| 7) Chloroethane-d5            | 1.584  | 69    | 53521    | 4.148    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.000%   |
| 11) 1,1-Dichloroethene-d2     | 2.130  | 63    | 260371   | 9.240    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 184.800%# |
| 20) 2-Butanone-d5             | 3.925  | 46    | 68125    | 42.547   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.100%   |
| 24) Chloroform-d              | 4.362  | 84    | 115990   | 4.823    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.400%   |
| 26) 1,2-Dichloroethane-d4     | 5.047  | 65    | 48690    | 4.785    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.800%   |
| 32) Benzene-d6                | 5.059  | 84    | 217660   | 4.463    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%   |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67    | 69605    | 4.890    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.800%   |
| 41) Toluene-d8                | 7.320  | 98    | 177115   | 3.982    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.600%   |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 13672    | 2.962    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 59.200%   |
| 46) 2-Hexanone-d5             | 8.095  | 63    | 53880    | 38.641   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.280%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 43730    | 4.987    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.800%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 56941    | 4.922    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.256  | 50    | 724      | 0.046    | ug/L # | 60        |
| 5) Vinyl chloride             | 1.327  | 62    | 150377   | 9.221    | ug/L   | 97        |
| 8) Chloroethane               | 1.597  | 64    | 50979    | 5.036    | ug/L # | 64        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.130  | 101   | 1532     | 0.117    | ug/L # | 26        |
| 12) 1,1-Dichloroethene        | 2.134  | 96    | 325278   | 27.252   | ug/L # | 74        |
| 14) Carbon disulfide          | 2.307  | 76    | 3302     | 0.112    | ug/L   | 97        |
| 17) Methyl tert-butyl Ether   | 2.786  | 73    | 8560     | 0.417    | ug/L   | 96        |
| 18) trans-1,2-Dichloroethene  | 2.773  | 96    | 145229   | 12.546   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 3.204  | 63    | 635102   | 28.768   | ug/L   | 98        |
| 22) cis-1,2-Dichloroethene    | 3.925  | 96    | 79544    | 6.792    | ug/L   | 98        |
| 27) 1,2-Dichloroethane        | 5.150  | 62    | 11001    | 1.009    | ug/L   | 98        |
| 34) Trichloroethene           | 5.918  | 95    | 360471   | 28.229   | ug/L   | 98        |
| 35) Methylcyclohexane         | 6.076  | 83    | 16364    | 0.926    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 6.188  | 63    | 3634     | 0.297    | ug/L # | 96        |
| 39) cis-1,3-Dichloropropene   | 6.995  | 75    | 1008     | 0.072    | ug/L # | 73        |
| 45) 1,1,2-Trichloroethane     | 7.850  | 97    | 736      | 0.092    | ug/L   | 92        |
| 47) Tetrachloroethene         | 7.982  | 164   | 2331     | 0.246    | ug/L   | 88        |
| 49) Dibromochloromethane      | 7.979  | 129   | 2023     | 0.228    | ug/L # | 9         |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 8339     | 1.711    | ug/L # | 64        |

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Data File : VV026361.D  
Acq On : 17 Jun 2022 02:52  
Operator : SY/MD  
Sample : N3318-03  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 45 Sample Multiplier: 1

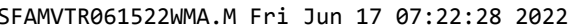
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ57

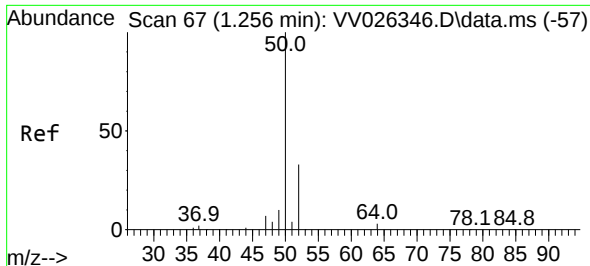
Quant Time: Jun 17 07:22:19 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR061522WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 17 06:57:04 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

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

Quant Time: Jun 17 07:22:19 2022  
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Quant Title : TRACE VOA SFAM1.0  
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Response via : Initial Calibration

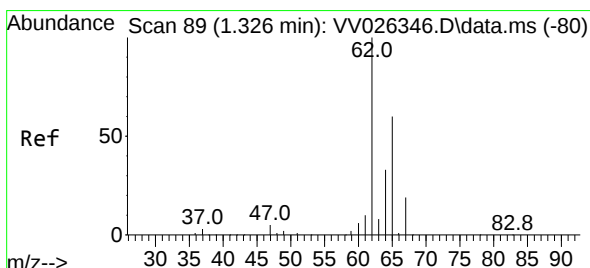
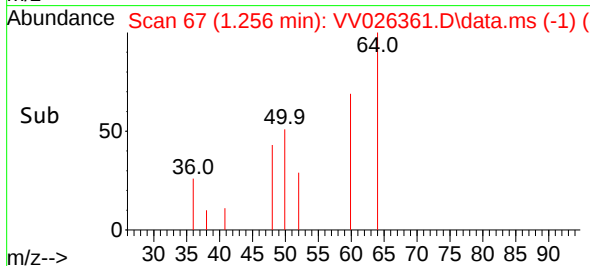
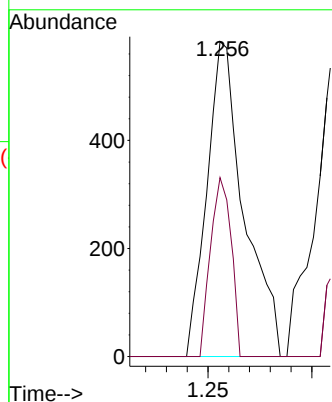
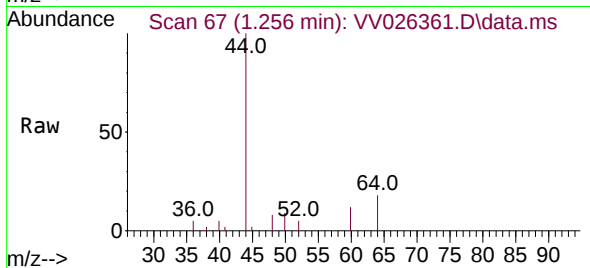




#3  
Chloromethane  
Concen: 0.046 ug/L  
RT: 1.256 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

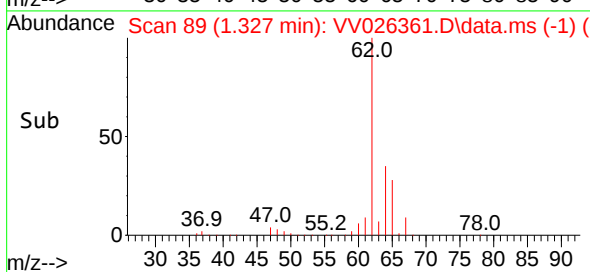
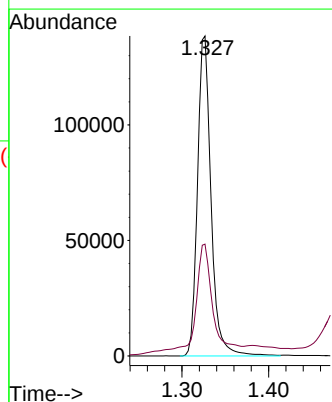
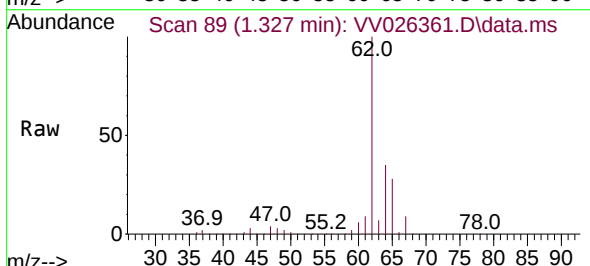
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ57

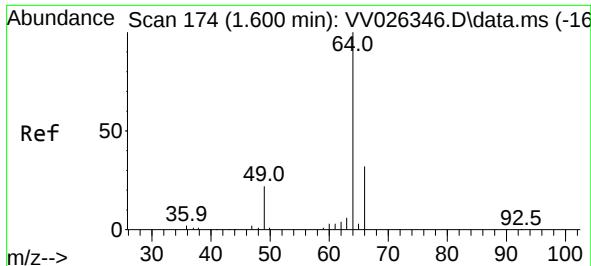
Tgt Ion: 50 Resp: 724  
Ion Ratio Lower Upper  
50 100  
52 56.8 23.7 44.1#



#5  
Vinyl chloride  
Concen: 9.221 ug/L  
RT: 1.327 min Scan# 89  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

Tgt Ion: 62 Resp: 150377  
Ion Ratio Lower Upper  
62 100  
64 35.0 23.2 43.2

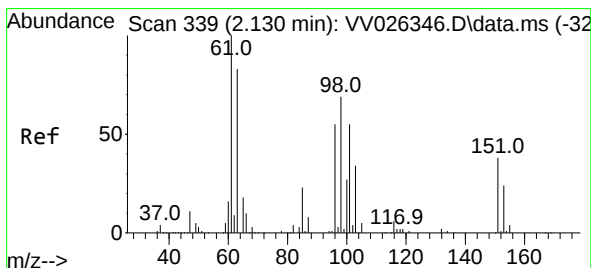
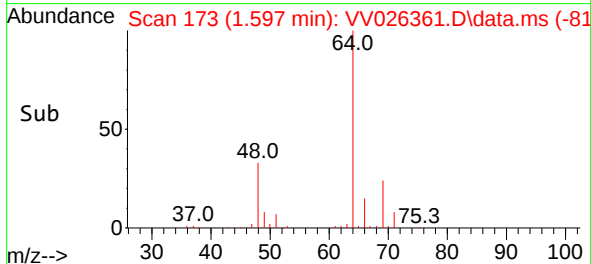
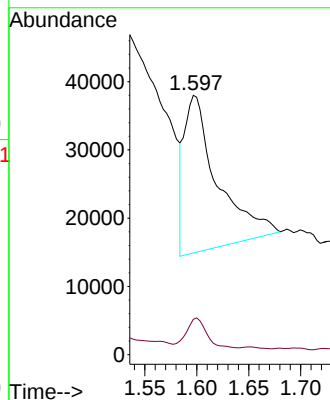
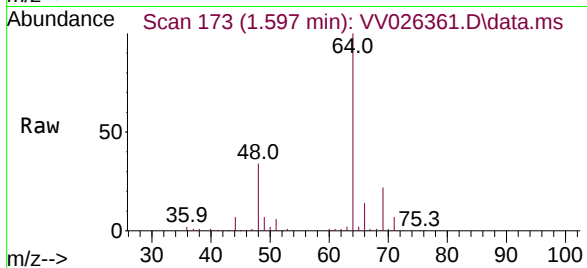




#8  
Chloroethane  
Concen: 5.036 ug/L  
RT: 1.597 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

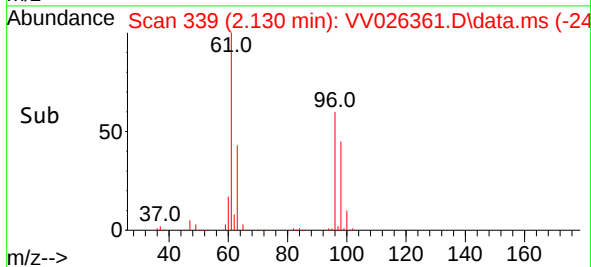
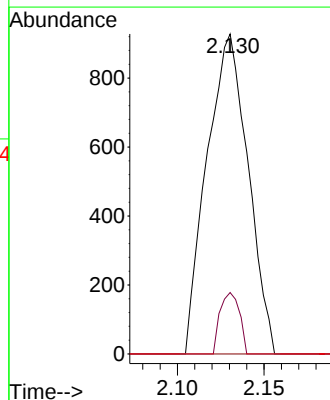
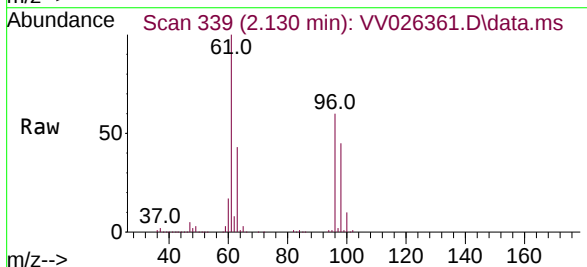
Instrument :  
MSVOA\_V  
ClientSampleId :  
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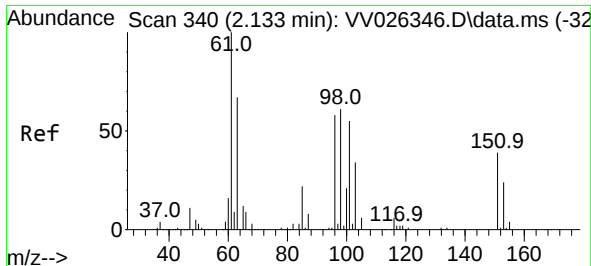
Tgt Ion: 64 Resp: 50979  
Ion Ratio Lower Upper  
64 100  
66 13.6 24.1 44.7#



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.117 ug/L  
RT: 2.130 min Scan# 339  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

Tgt Ion:101 Resp: 1532  
Ion Ratio Lower Upper  
101 100  
85 9.1 35.3 52.9#  
151 0.0 56.8 85.2#

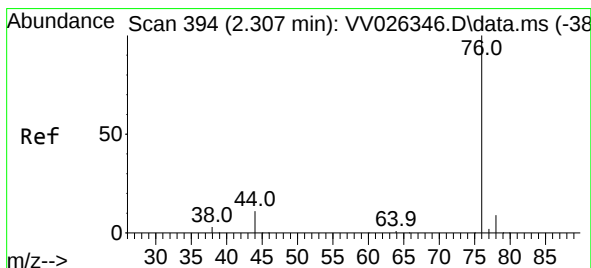
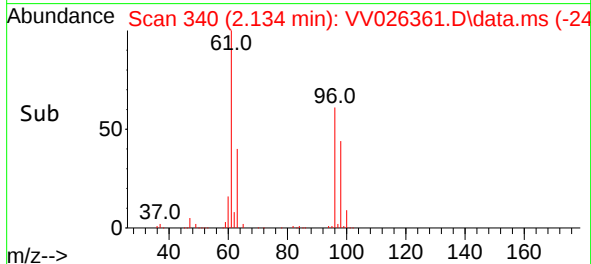
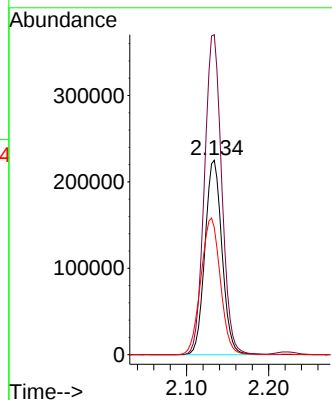
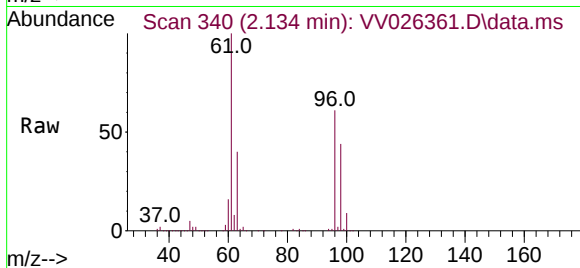




#12  
1,1-Dichloroethene  
Concen: 27.252 ug/L  
RT: 2.134 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

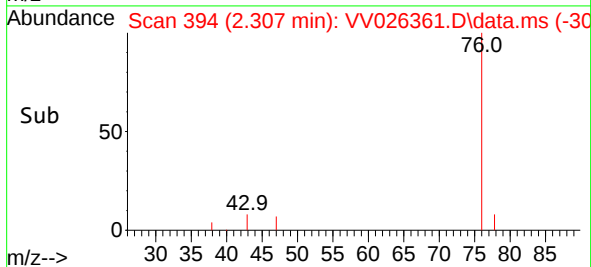
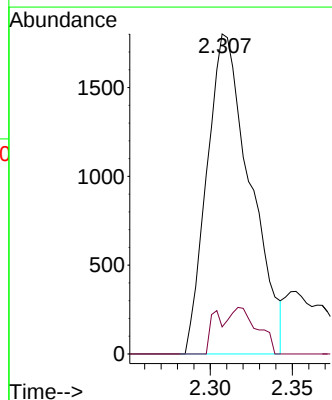
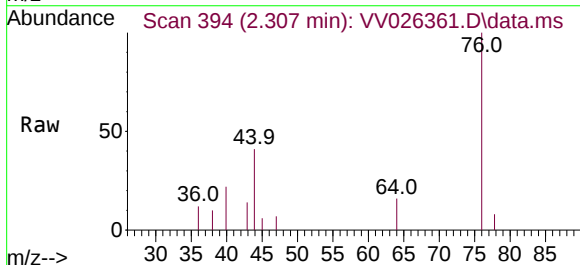
Instrument :  
MSVOA\_V  
ClientSampleId :  
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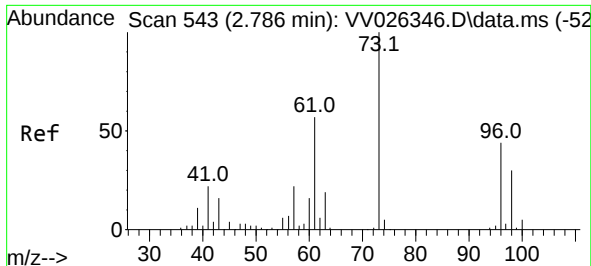
Tgt Ion: 96 Resp: 325278  
Ion Ratio Lower Upper  
96 100  
61 164.6 117.1 217.5  
63 65.3 92.8 172.4#



#14  
Carbon disulfide  
Concen: 0.112 ug/L  
RT: 2.307 min Scan# 394  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

Tgt Ion: 76 Resp: 3302  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.7 11.5

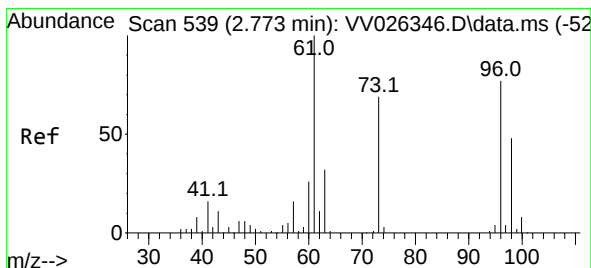
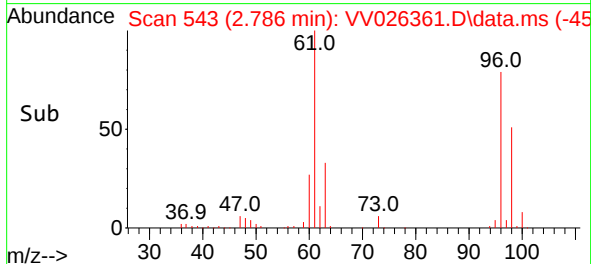
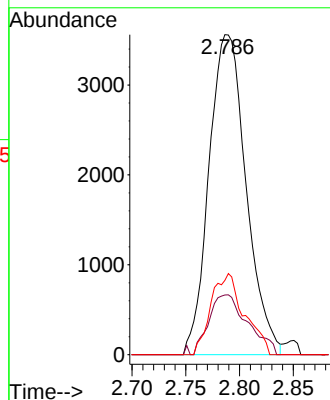
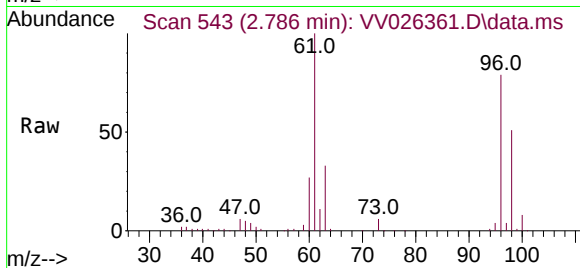




#17  
Methyl tert-butyl Ether  
Concen: 0.417 ug/L  
RT: 2.786 min Scan# 543  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

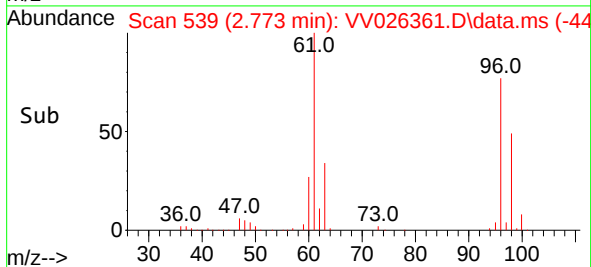
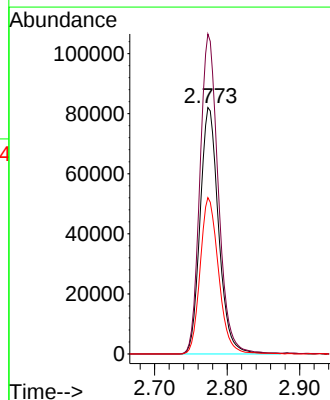
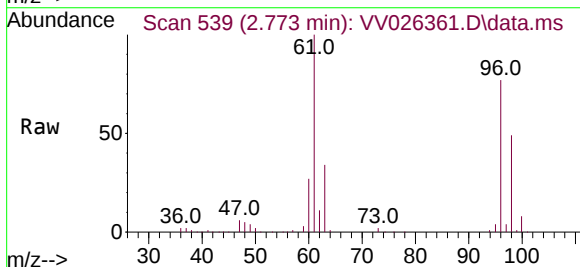
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ57

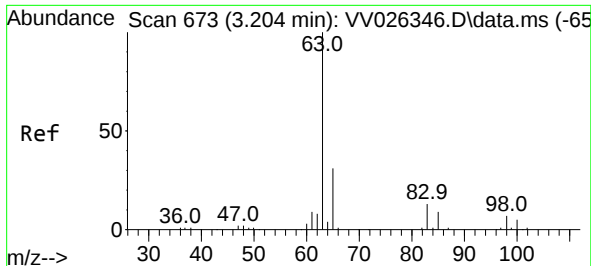
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 73 | Resp: | 8560        |
| Ion         | Ratio | Lower Upper |
| 73          | 100   |             |
| 43          | 19.5  | 13.0 19.6   |
| 57          | 22.8  | 17.6 26.4   |



#18  
trans-1,2-Dichloroethene  
Concen: 12.546 ug/L  
RT: 2.773 min Scan# 539  
Delta R.T. 0.000 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 145229      |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 129.8 | 91.3 169.6  |
| 98          | 63.4  | 45.3 84.1   |





#19

1,1-Dichloroethane

Concen: 28.768 ug/L

RT: 3.204 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Instrument :

MSVOA\_V

ClientSampleId :

BGJ57

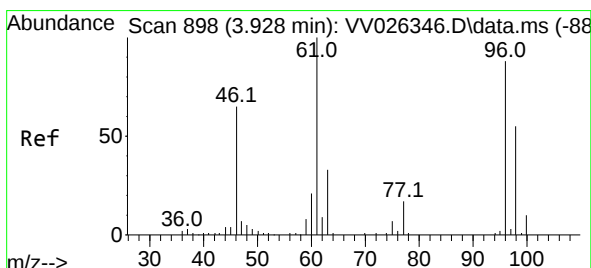
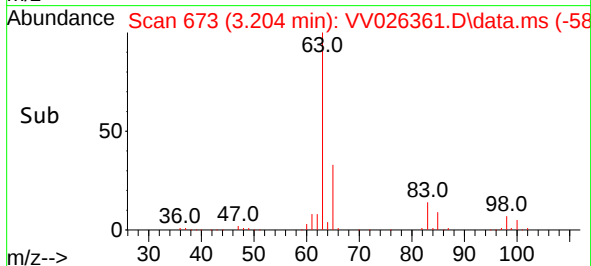
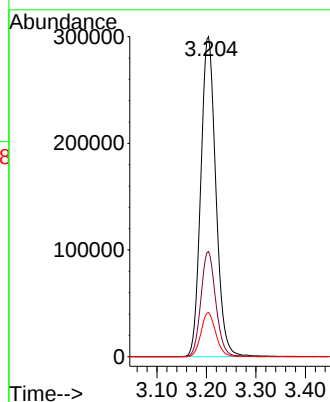
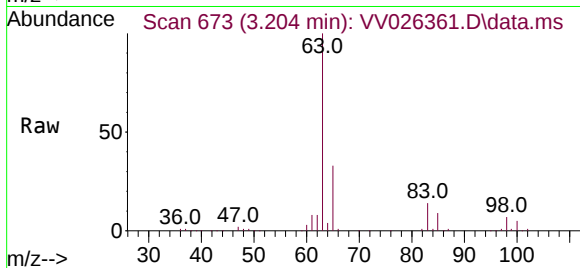
Tgt Ion: 63 Resp: 635102

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.3

83 13.8 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 6.792 ug/L

RT: 3.925 min Scan# 897

Delta R.T. -0.003 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

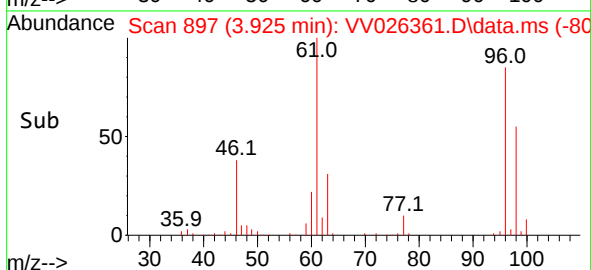
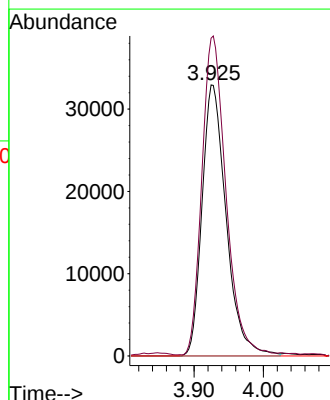
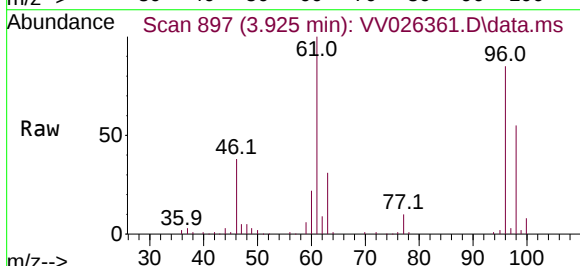
Tgt Ion: 96 Resp: 79544

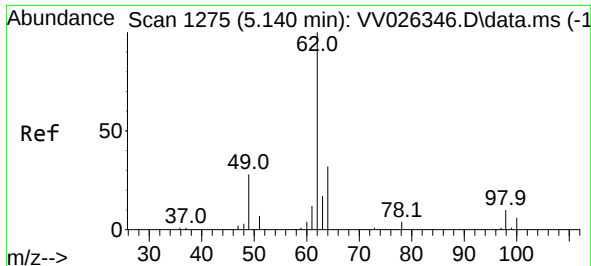
Ion Ratio Lower Upper

96 100

61 117.3 83.6 155.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.009 ug/L

RT: 5.150 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Instrument :

MSVOA\_V

ClientSampleId :

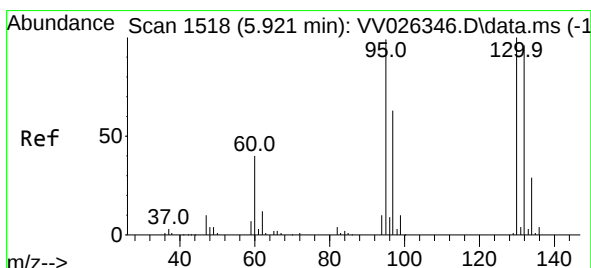
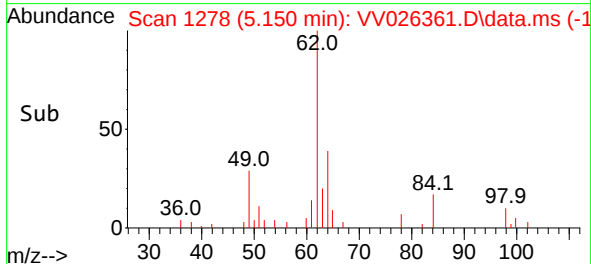
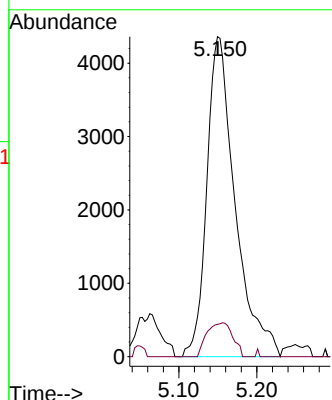
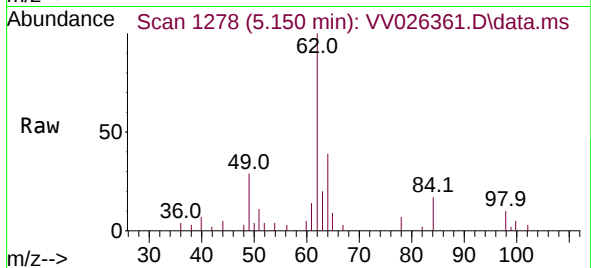
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Tgt Ion: 62 Resp: 11001

Ion Ratio Lower Upper

62 100

98 10.1 8.6 13.0



#34

Trichloroethene

Concen: 28.229 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Tgt Ion: 95 Resp: 360471

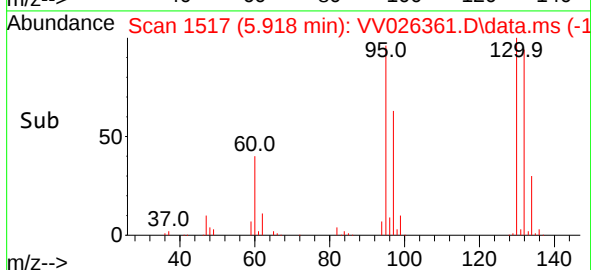
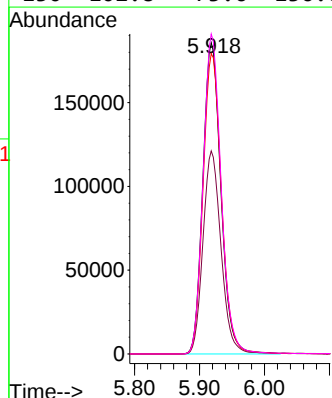
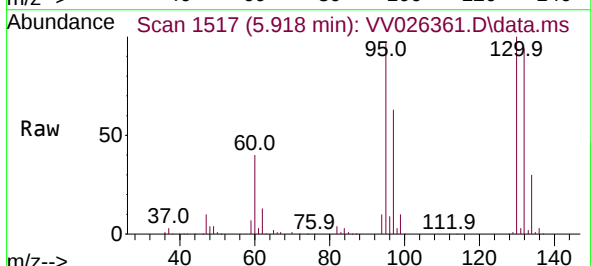
Ion Ratio Lower Upper

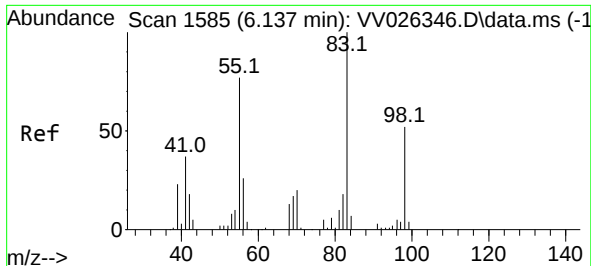
95 100

97 65.2 46.5 86.3

132 96.5 68.8 127.8

130 102.8 73.6 136.6

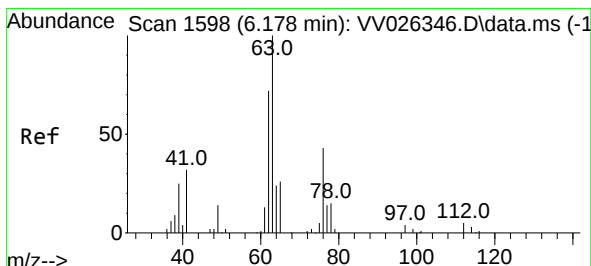
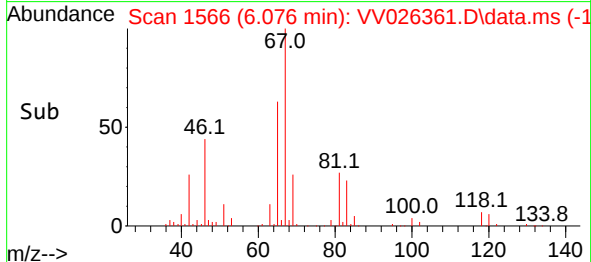
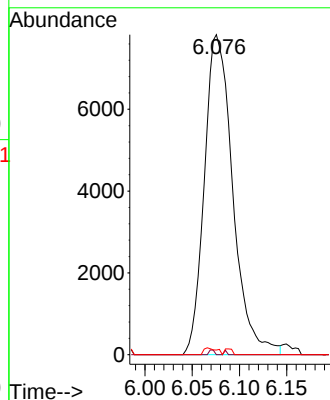
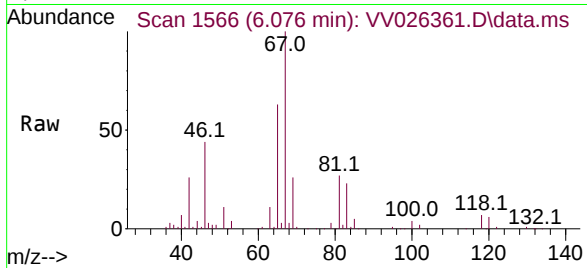




#35  
Methylcyclohexane  
Concen: 0.926 ug/L  
RT: 6.076 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

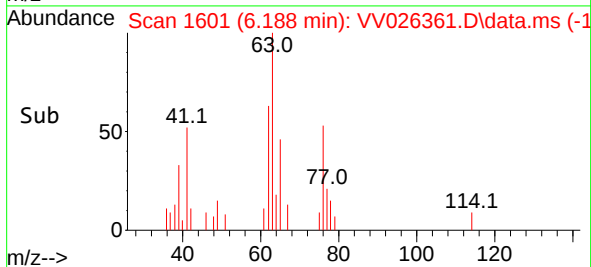
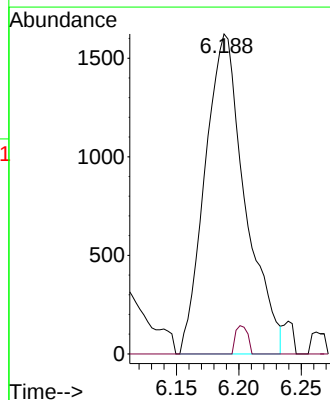
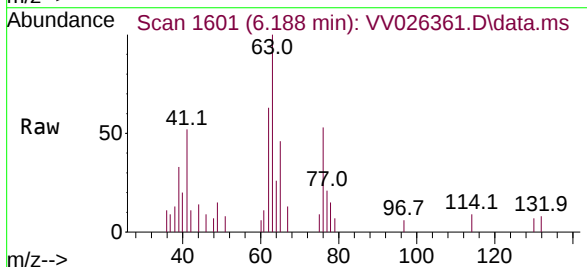
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJ57

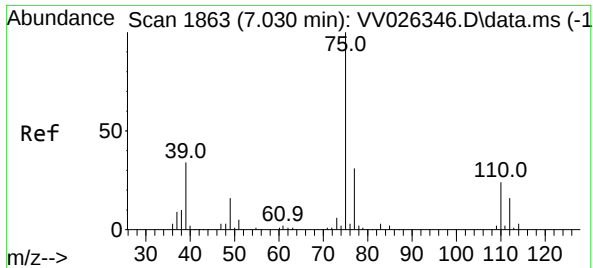
Tgt Ion: 83 Resp: 16364  
Ion Ratio Lower Upper  
83 100  
55 0.3 59.3 88.9#  
98 0.0 39.9 59.9#



#37  
1,2-Dichloropropane  
Concen: 0.297 ug/L  
RT: 6.188 min Scan# 1601  
Delta R.T. 0.010 min  
Lab File: VV026361.D  
Acq: 17 Jun 2022 02:52

Tgt Ion: 63 Resp: 3634  
Ion Ratio Lower Upper  
63 100  
112 2.6 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Instrument :

MSVOA\_V

ClientSampleId :

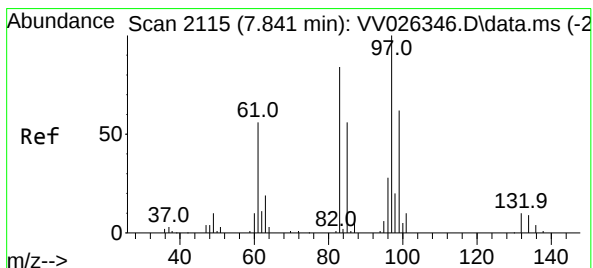
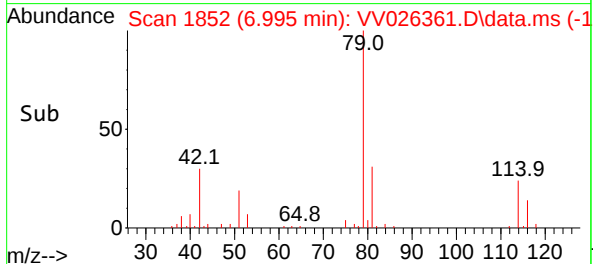
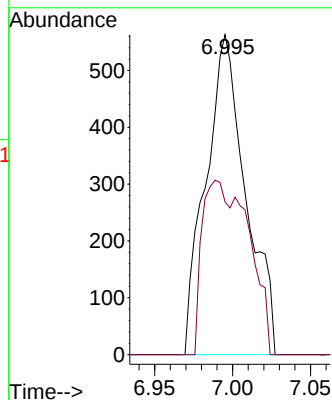
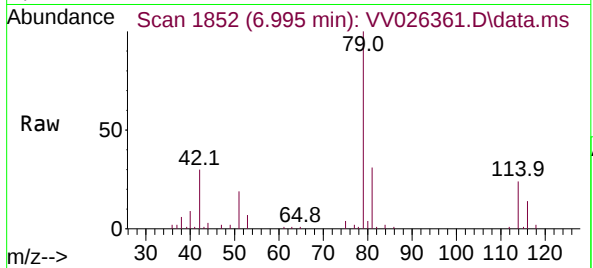
BGJ57

Tgt Ion: 75 Resp: 1008

Ion Ratio Lower Upper

75 100

77 47.8 23.0 42.6#



#45

1,1,2-Trichloroethane

Concen: 0.092 ug/L

RT: 7.850 min Scan# 2118

Delta R.T. 0.010 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Tgt Ion: 97 Resp: 736

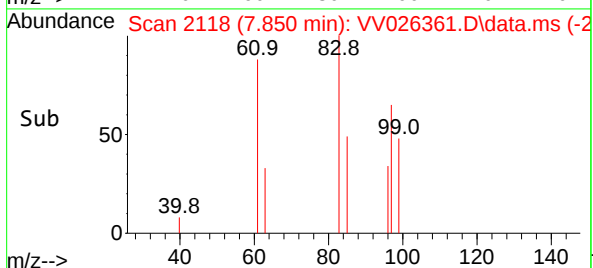
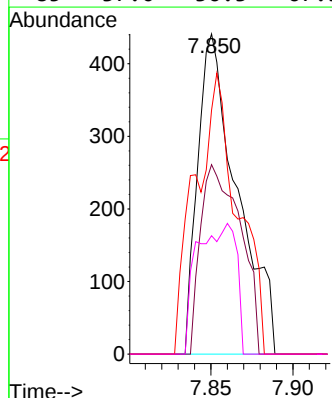
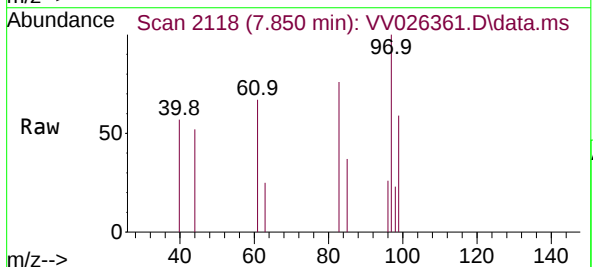
Ion Ratio Lower Upper

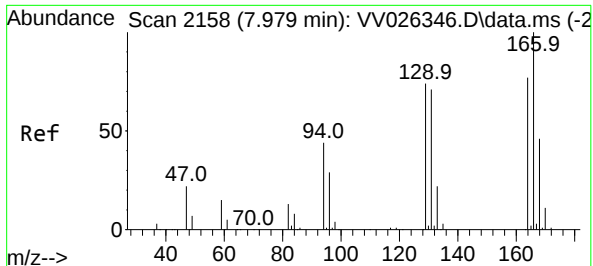
97 100

99 59.2 42.4 78.6

83 76.2 56.1 104.1

85 37.0 36.3 67.5





#47

Tetrachloroethene

Concen: 0.246 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.003 min

Lab File: VV026361.D

Acq: 17 Jun 2022 02:52

Instrument :

MSVOA\_V

ClientSampleId :

BGJ57

Tgt Ion:164 Resp: 2331

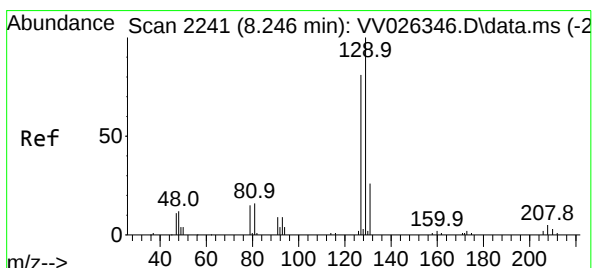
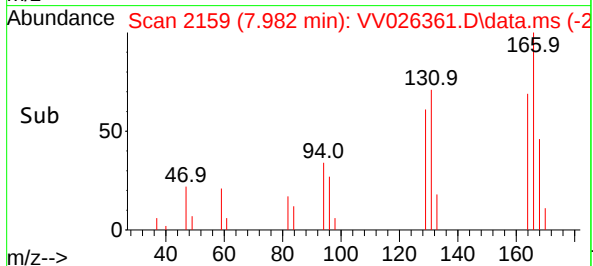
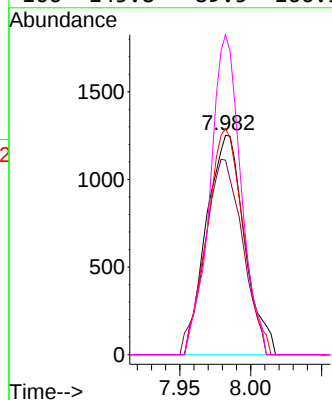
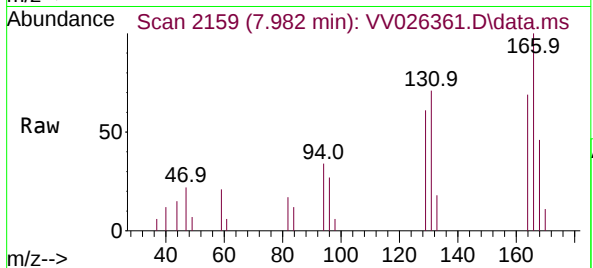
Ion Ratio Lower Upper

164 100

129 88.7 67.5 125.3

131 103.1 63.8 118.4

166 145.8 89.5 166.3



#49

Dibromochloromethane

Concen: 0.228 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026361.D

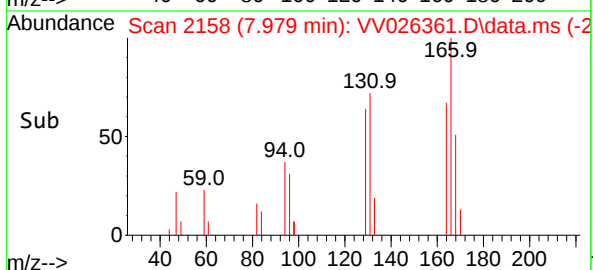
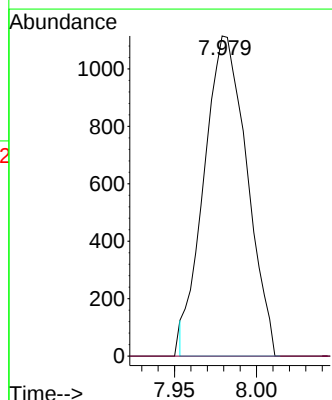
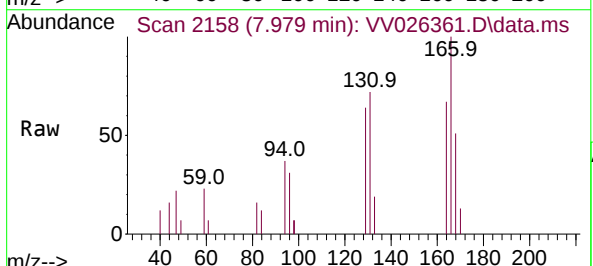
Acq: 17 Jun 2022 02:52

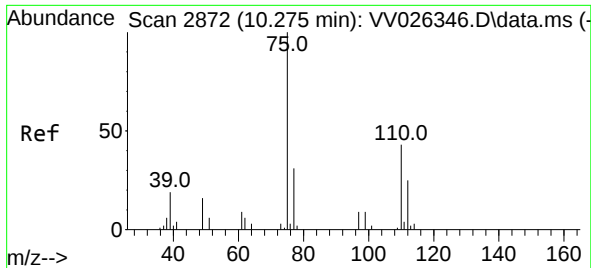
Tgt Ion:129 Resp: 2023

Ion Ratio Lower Upper

129 100

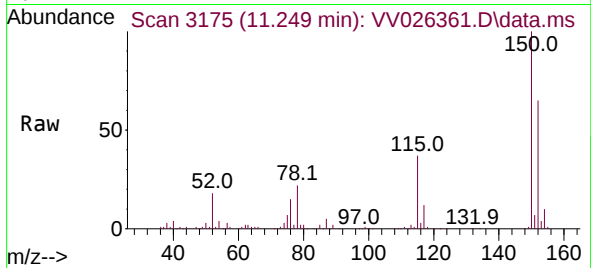
127 0.0 56.4 104.7#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.711 ug/L  
 RT: 11.249 min Scan# 31  
 Delta R.T. 0.974 min  
 Lab File: VV026361.D  
 Acq: 17 Jun 2022 02:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJ57



Tgt Ion: 75 Resp: 8339  
 Ion Ratio Lower Upper  
 75 100  
 77 29.0 26.9 40.3  
 110 2.3 30.7 46.1#

