

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
 Data File : VW021174.D  
 Acq On : 06 Dec 2021 17:11  
 Operator : SY/VA  
 Sample : M4888-02  
 Misc : 4.31g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8A9

Quant Time: Dec 07 01:52:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 07 01:47:32 2021  
 Response via : Initial Calibration

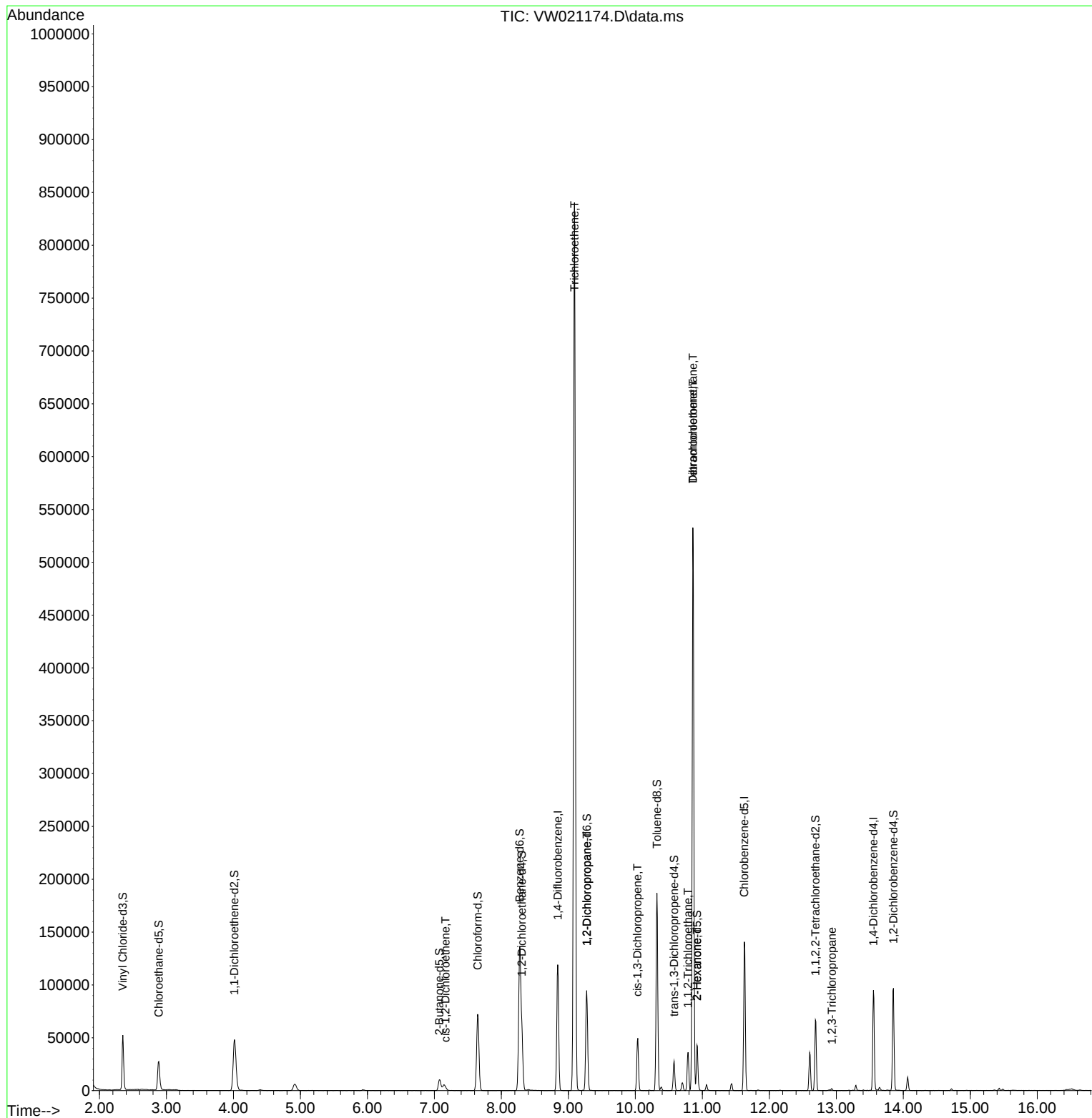
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.841     | 114   | 101090   | 25.000   | ug/L        | # 0.00   |
| 28) Chlorobenzene-d5          | 11.627    | 117   | 80022    | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 23771    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.348     | 65    | 49893    | 35.424   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 141.680%  |          |
| 7) Chloroethane-d5            | 2.885     | 69    | 34017    | 36.079   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 144.320%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.013     | 63    | 47451    | 21.089   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 84.360%   |          |
| 21) 2-Butanone-d5             | 7.073     | 46    | 18039    | 56.151   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 112.300%  |          |
| 24) Chloroform-d              | 7.646     | 84    | 71422    | 28.212   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 112.840%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 40658    | 29.356   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 117.440%  |          |
| 32) Benzene-d6                | 8.274     | 84    | 137965   | 33.719   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 134.880%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 40104    | 35.270   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 141.080%# |          |
| 41) Toluene-d8                | 10.323    | 98    | 121983   | 29.075   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 116.320%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 14564    | 28.208   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 112.840%  |          |
| 47) 2-Hexanone-d5             | 10.920    | 63    | 14380    | 66.101   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 132.200%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 30575    | 29.066   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 116.280%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.852    | 152   | 24348    | 28.587   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 114.360%  |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 20) cis-1,2-Dichloroethene    | 7.165     | 96    | 838      | 0.565    | ug/L        | 96       |
| 34) Trichloroethene           | 9.091     | 95    | 271058   | 215.909  | ug/L        | 89       |
| 37) 1,2-Dichloropropane       | 9.274     | 63    | 5242     | 5.097    | ug/L #      | 88       |
| 39) cis-1,3-Dichloropropene   | 10.030    | 75    | 1504     | 0.904    | ug/L        | 88       |
| 45) 1,1,2-Trichloroethane     | 10.786    | 97    | 11236    | 13.030   | ug/L        | 93       |
| 46) Tetrachloroethene         | 10.859    | 164   | 113143   | 98.421   | ug/L        | 95       |
| 48) 2-Hexanone                | 10.920    | 43    | 1921     | 3.801    | ug/L #      | 66       |
| 49) Dibromochloromethane      | 10.859    | 129   | 98876    | 91.747   | ug/L #      | 10       |
| 61) 1,2,3-Trichloropropane    | 12.932    | 75    | 279      | 0.701    | ug/L #      | 40       |
| -----                         |           |       |          |          |             |          |

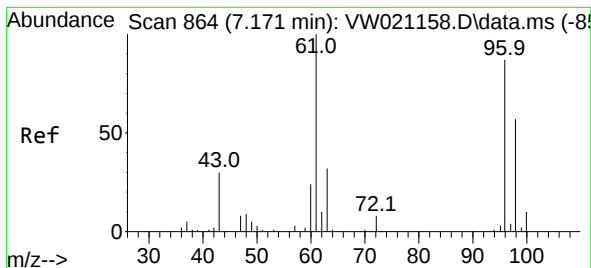
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Tue Dec 07 01:47:32 2021  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 0.565 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.007 min

Lab File: VW021174.D

Acq: 06 Dec 2021 17:11

Instrument :

MSVOA\_W

ClientSampleId :

EX8A9

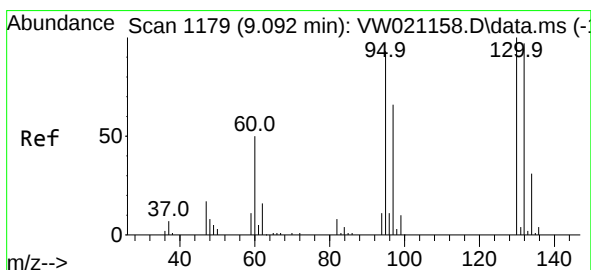
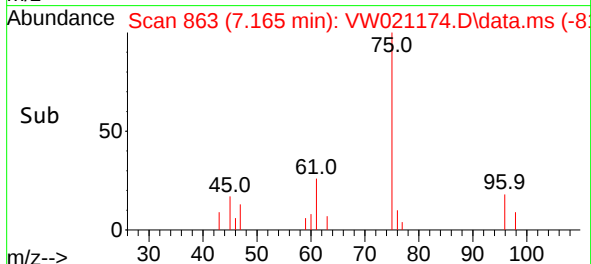
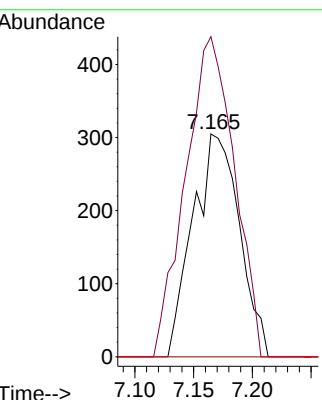
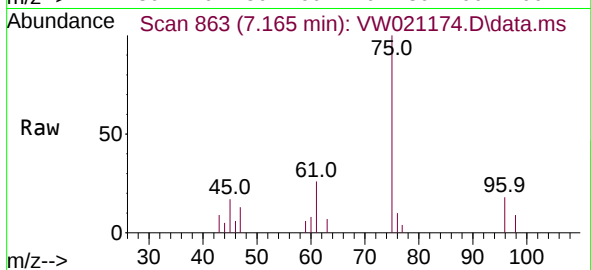
Tgt Ion: 96 Resp: 838

Ion Ratio Lower Upper

96 100

61 143.6 103.7 192.7

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 215.909 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021174.D

Acq: 06 Dec 2021 17:11

Tgt Ion: 95 Resp: 271058

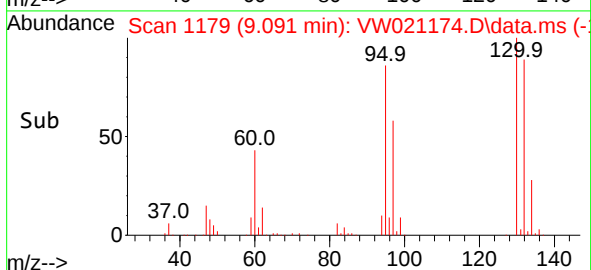
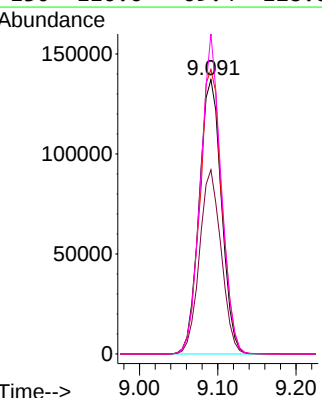
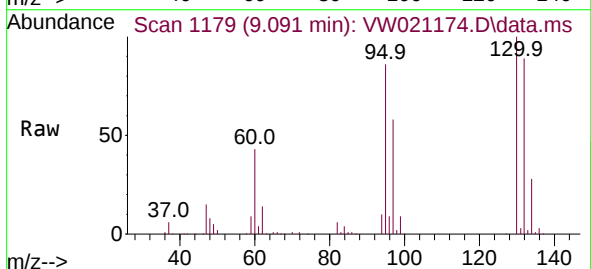
Ion Ratio Lower Upper

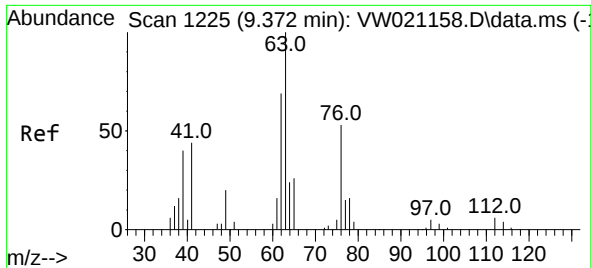
95 100

97 67.1 47.0 87.2

132 103.7 65.5 121.6

130 116.6 69.4 128.8





#37

1,2-Dichloropropane

Concen: 5.097 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021174.D

Acq: 06 Dec 2021 17:11

Instrument :

MSVOA\_W

ClientSampleId :

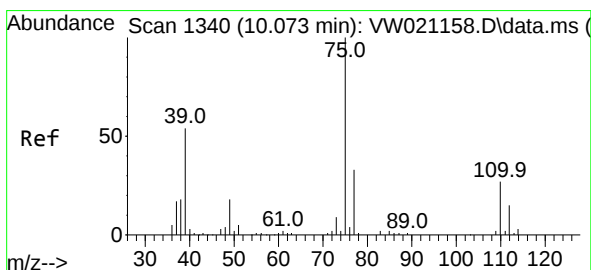
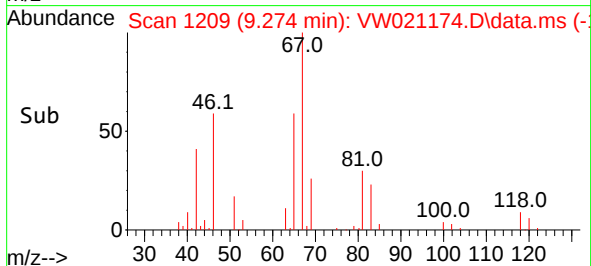
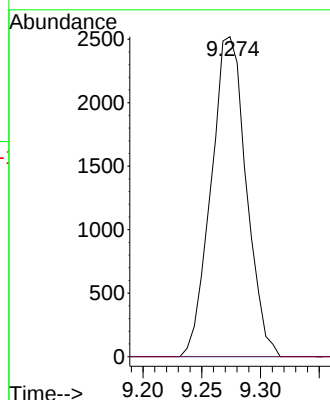
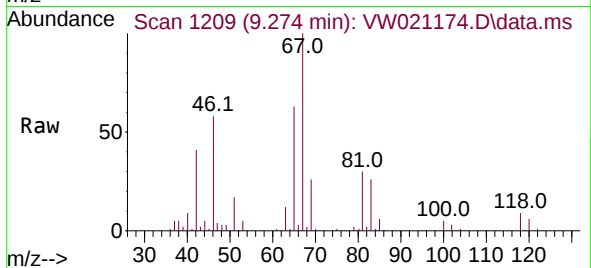
EX8A9

Tgt Ion: 63 Resp: 5242

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.904 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021174.D

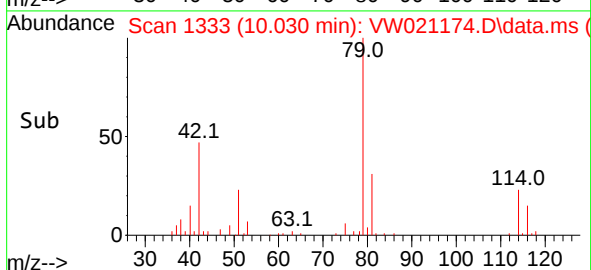
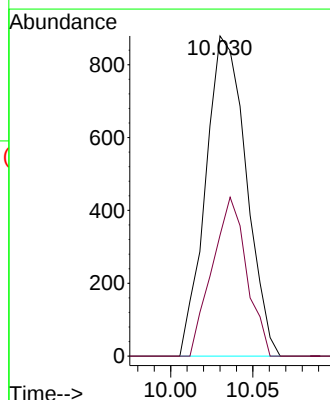
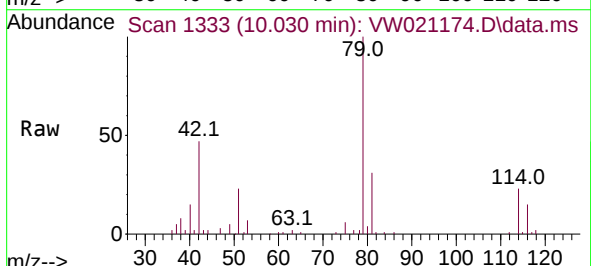
Acq: 06 Dec 2021 17:11

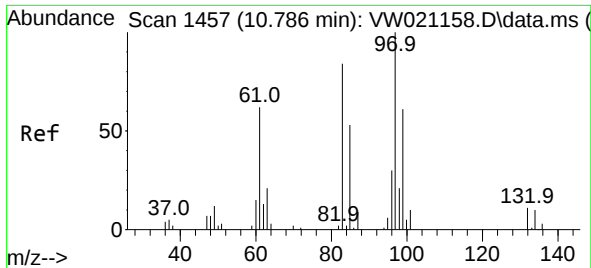
Tgt Ion: 75 Resp: 1504

Ion Ratio Lower Upper

75 100

77 37.8 21.8 40.6



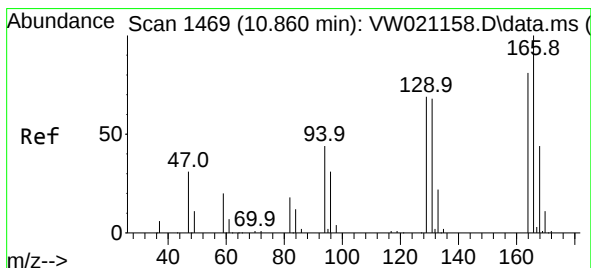
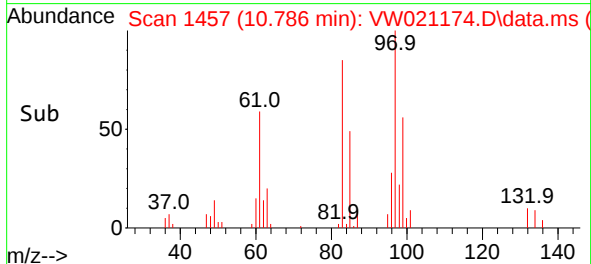
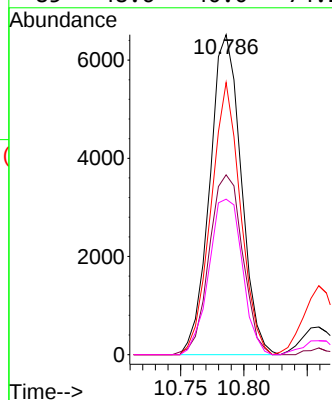
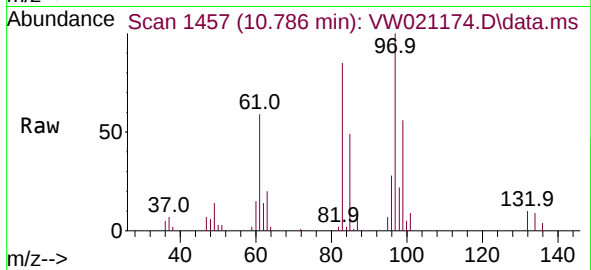


#45  
1,1,2-Trichloroethane  
Concen: 13.030 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW021174.D  
Acq: 06 Dec 2021 17:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8A9

Tgt Ion: 97 Resp: 11236

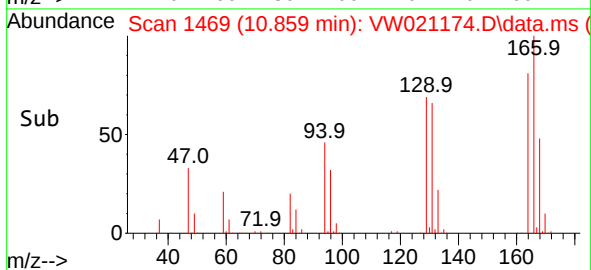
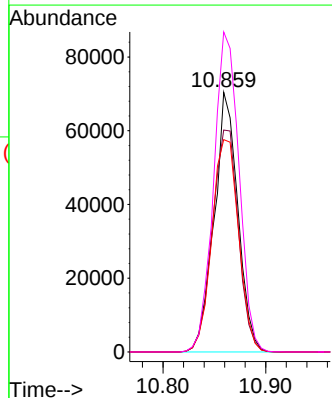
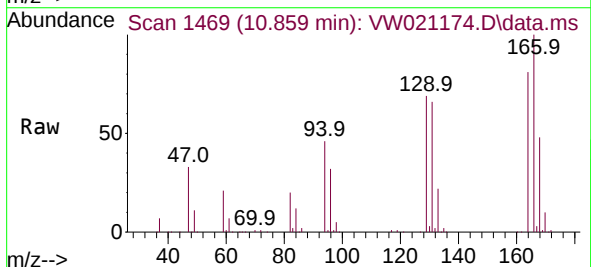
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 56.2  | 43.0  | 79.8  |
| 83  | 85.1  | 62.6  | 116.3 |
| 85  | 48.6  | 40.0  | 74.2  |

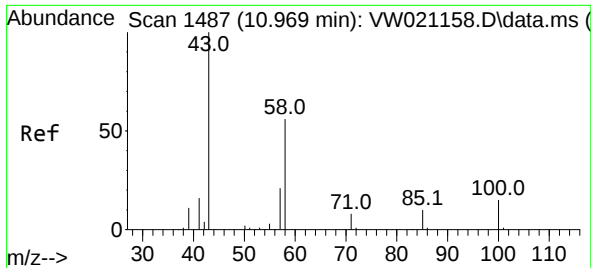


#46  
Tetrachloroethene  
Concen: 98.421 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021174.D  
Acq: 06 Dec 2021 17:11

Tgt Ion:164 Resp: 113143

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 85.5  | 65.5  | 121.7 |
| 131 | 81.8  | 59.7  | 110.9 |
| 166 | 123.3 | 88.7  | 164.7 |

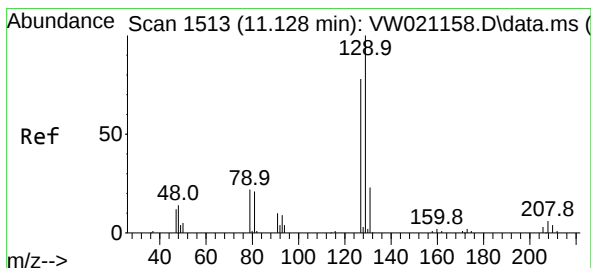
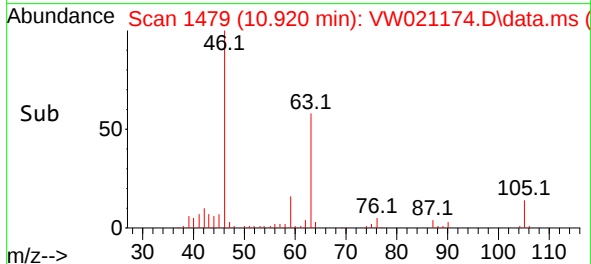
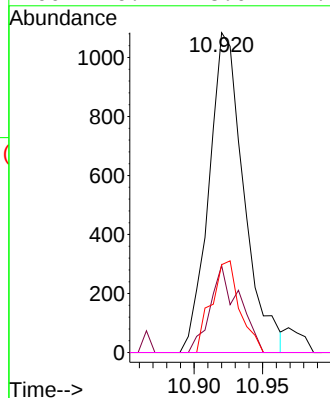
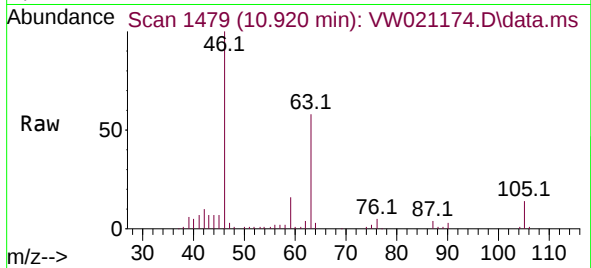




#48  
2-Hexanone  
Concen: 3.801 ug/L  
RT: 10.920 min Scan# 1487  
Delta R.T. -0.049 min  
Lab File: VW021174.D  
Acq: 06 Dec 2021 17:11

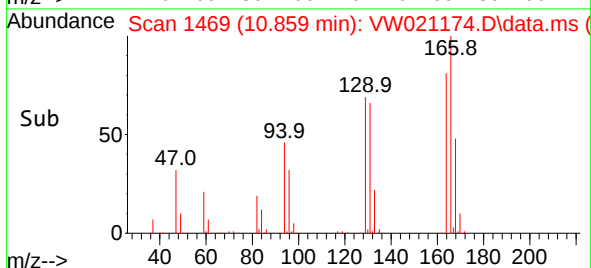
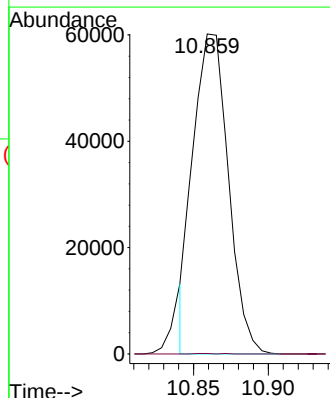
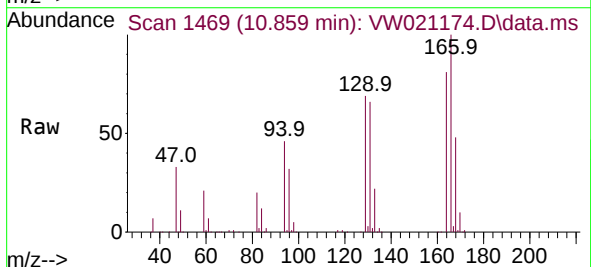
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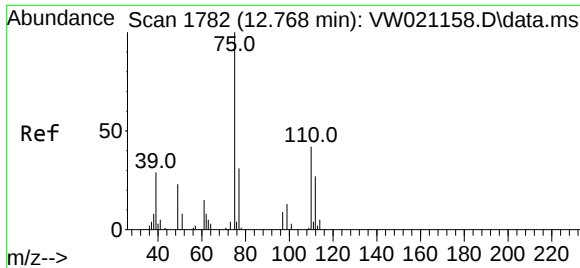
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 1921  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 22.7     | 40.2 60.2#  |
| 57 23.2     | 14.3 21.5#  |
| 100 26.1    | 8.0 12.0#   |



#49  
Dibromochloromethane  
Concen: 91.747 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.269 min  
Lab File: VW021174.D  
Acq: 06 Dec 2021 17:11

|             |       |       |        |
|-------------|-------|-------|--------|
| Tgt Ion:129 | Resp: | 98876 |        |
| Ion         | Ratio | Lower | Upper  |
| 129         | 100   |       |        |
| 127         | 0.2   | 55.7  | 103.5# |





#61  
 1,2,3-Trichloropropane  
 Concen: 0.701 ug/L  
 RT: 12.932 min Scan# 11  
 Delta R.T. 0.164 min  
 Lab File: VW021174.D  
 Acq: 06 Dec 2021 17:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8A9

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 279        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 0.0   | 25.8 38.8# |
| 110         | 0.0   | 29.0 43.4# |

