

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031622\  
 Data File : VW025067.D  
 Acq On : 16 Mar 2022 23:38  
 Operator : SY/MD  
 Sample : N1941-11  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 17 06:28:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 17 05:44:36 2022  
 Response via : Initial Calibration

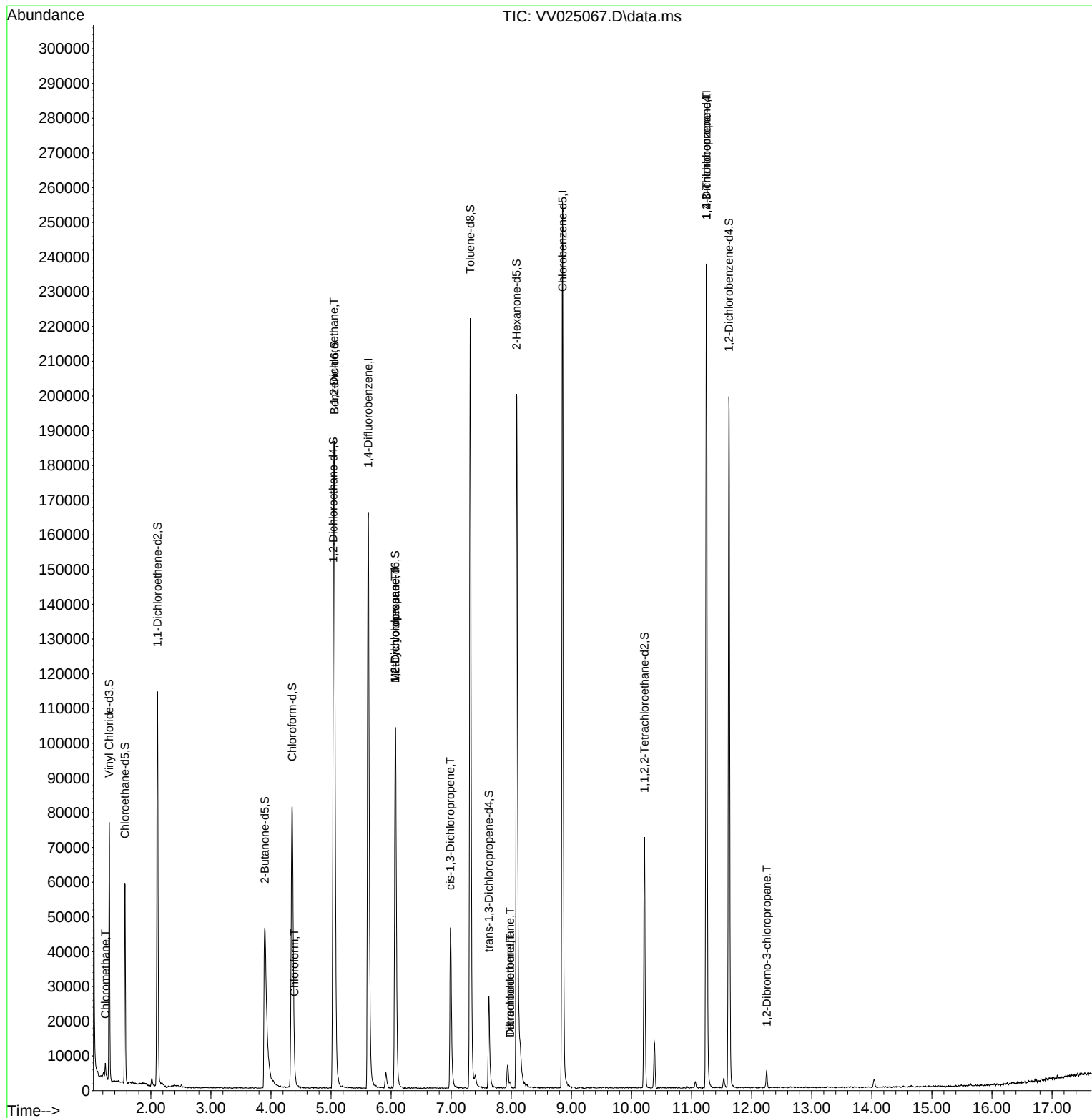
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 150745   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 144520   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 62164    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 45424    | 3.817    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 37519    | 4.305    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.200%   |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 59560    | 3.096    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 62.000%   |
| 20) 2-Butanone-d5             | 3.895  | 46    | 95847    | 66.640   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 133.280%# |
| 24) Chloroform-d              | 4.352  | 84    | 89337    | 4.526    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%   |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 40856    | 4.951    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.000%   |
| 32) Benzene-d6                | 5.053  | 84    | 177381   | 4.231    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%   |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 55448    | 4.599    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%   |
| 41) Toluene-d8                | 7.317  | 98    | 152684   | 3.996    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.000%   |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 17297    | 4.116    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.400%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 73643    | 51.373   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 36516    | 5.149    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 51416    | 4.886    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.800%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.243  | 50    | 2615     | 0.208    | ug/L   | 99        |
| 25) Chloroform                | 4.387  | 83    | 2218     | 0.108    | ug/L   | 89        |
| 27) 1,2-Dichloroethane        | 5.047  | 62    | 887      | 0.087    | ug/L # | 71        |
| 35) Methylcyclohexane         | 6.069  | 83    | 13166    | 0.665    | ug/L # | 21        |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 5721     | 0.530    | ug/L # | 86        |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 1200     | 0.080    | ug/L # | 55        |
| 47) Tetrachloroethene         | 7.982  | 164   | 579      | 0.066    | ug/L # | 51        |
| 49) Dibromochloromethane      | 7.982  | 129   | 390      | 0.048    | ug/L # | 10        |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 7667     | 1.467    | ug/L # | 66        |
| 68) 1,2-Dibromo-3-chloropr... | 12.252 | 75    | 125      | 0.139    | ug/L # | 1         |
| -----                         |        |       |          |          |        |           |

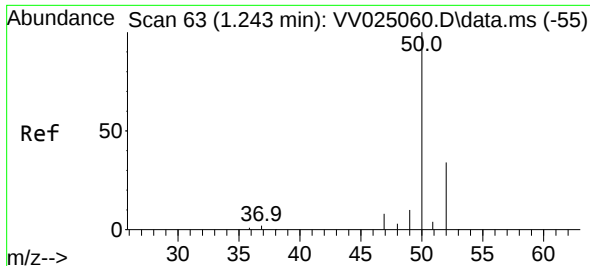
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV025067.D  
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Sample : N1941-11  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Mar 17 06:28:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Mar 17 05:44:36 2022  
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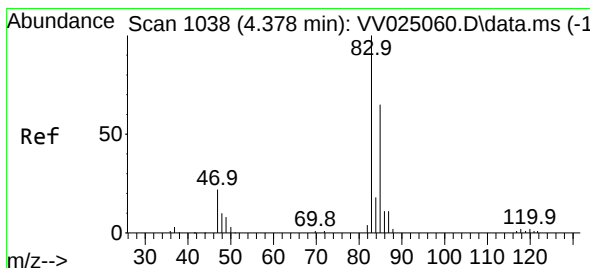
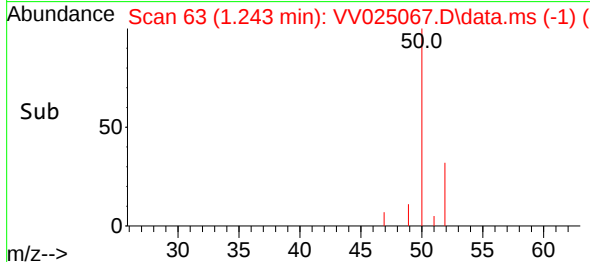
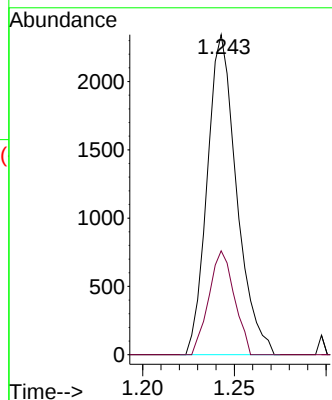
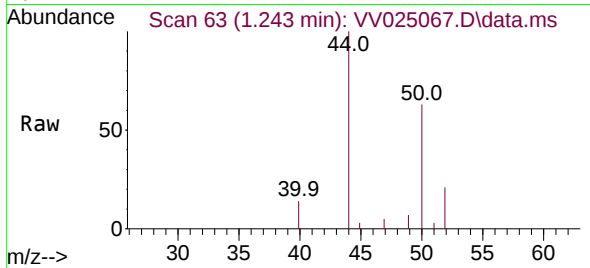




#3  
Chloromethane  
Concen: 0.208 ug/L  
RT: 1.243 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV025067.D  
Acq: 16 Mar 2022 23:38

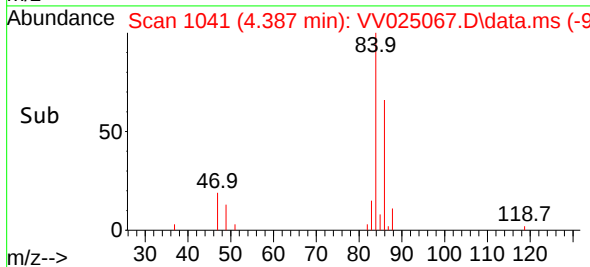
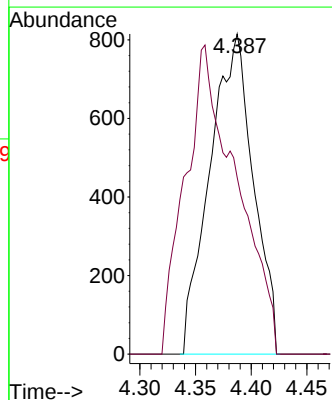
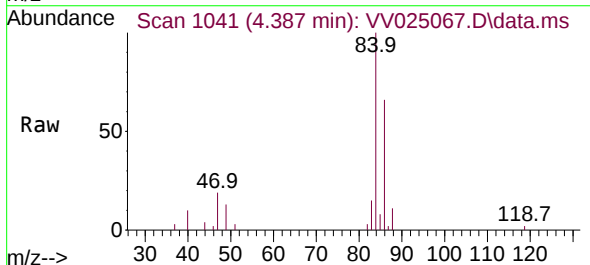
Instrument :  
MSVOA\_V  
ClientSampleId :

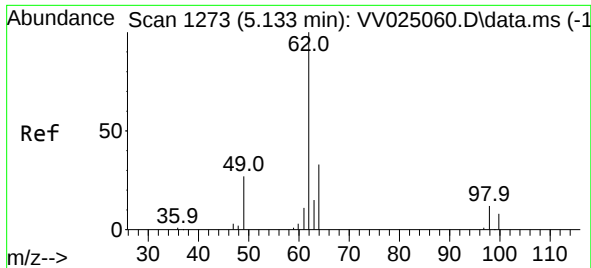
Tgt Ion: 50 Resp: 2615  
Ion Ratio Lower Upper  
50 100  
52 32.5 23.2 43.2



#25  
Chloroform  
Concen: 0.108 ug/L  
RT: 4.387 min Scan# 1041  
Delta R.T. 0.010 min  
Lab File: VV025067.D  
Acq: 16 Mar 2022 23:38

Tgt Ion: 83 Resp: 2218  
Ion Ratio Lower Upper  
83 100  
85 55.2 44.5 82.7





#27

1,2-Dichloroethane

Concen: 0.087 ug/L

RT: 5.047 min Scan# 1

Delta R.T. -0.087 min

Lab File: VV025067.D

Acq: 16 Mar 2022 23:38

Instrument :

MSVOA\_V

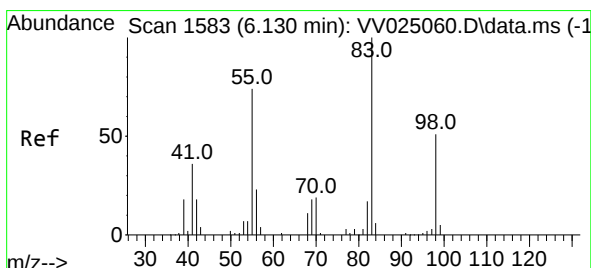
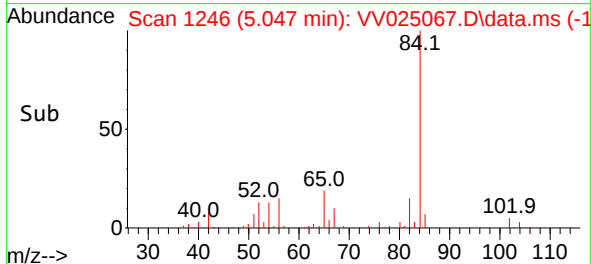
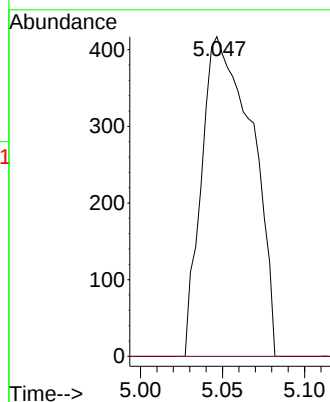
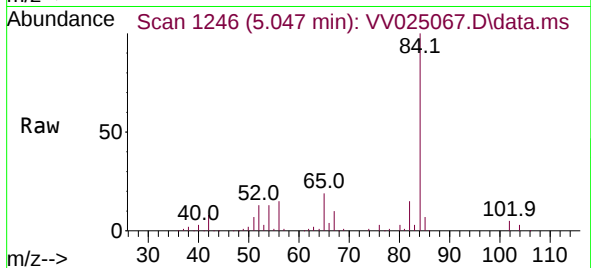
ClientSampleId :

Tgt Ion: 62 Resp: 887

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV025067.D

Acq: 16 Mar 2022 23:38

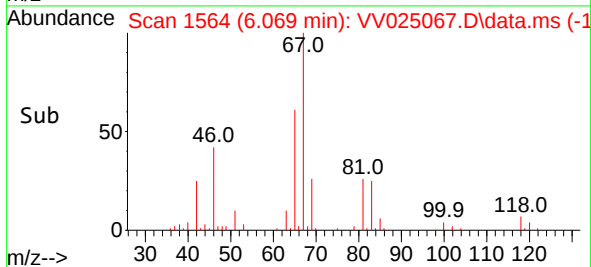
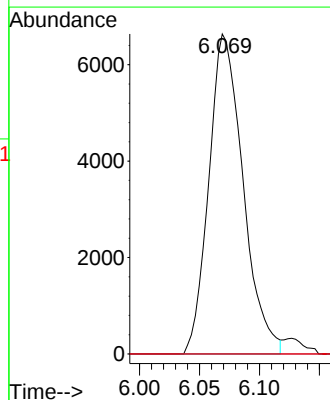
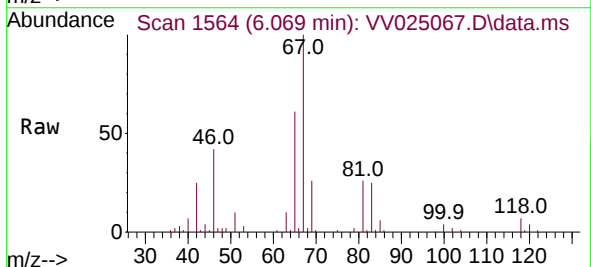
Tgt Ion: 83 Resp: 13166

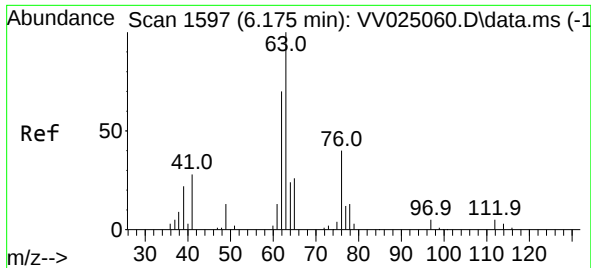
Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.0#

98 0.9 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV025067.D

Acq: 16 Mar 2022 23:38

Instrument :

MSVOA\_V

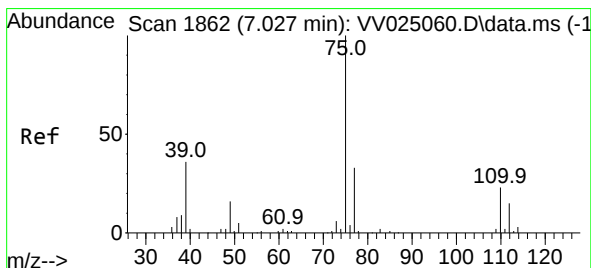
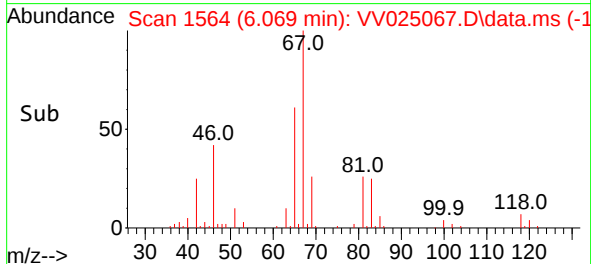
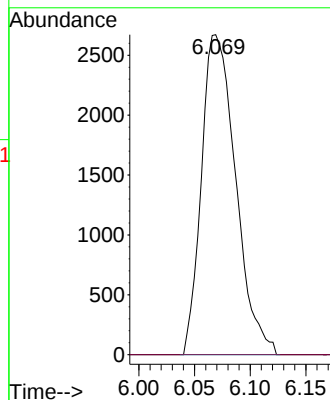
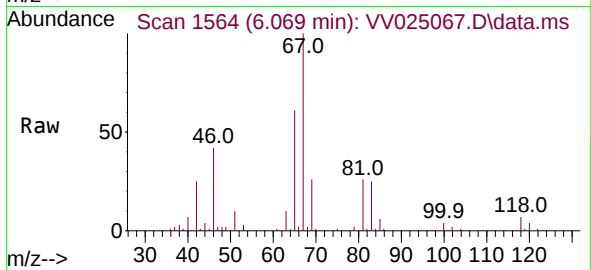
ClientSampleId :

Tgt Ion: 63 Resp: 5721

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV025067.D

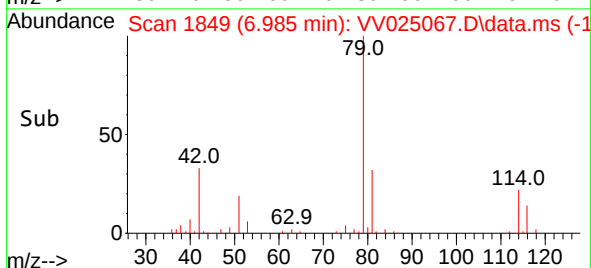
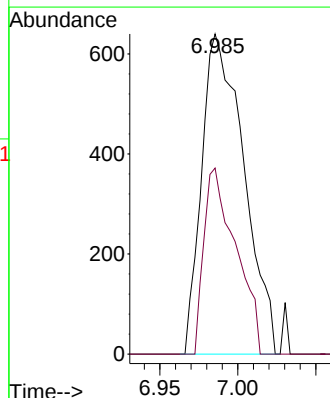
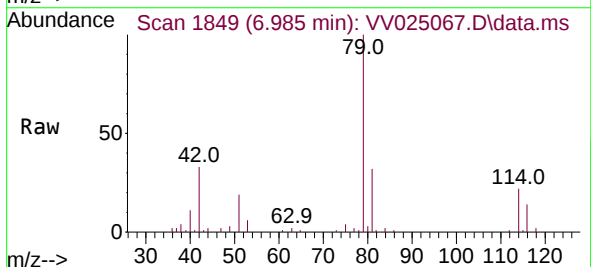
Acq: 16 Mar 2022 23:38

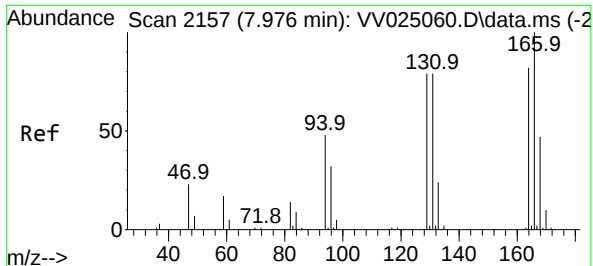
Tgt Ion: 75 Resp: 1200

Ion Ratio Lower Upper

75 100

77 58.1 23.0 42.8#





#47

Tetrachloroethene

Concen: 0.066 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV025067.D

Acq: 16 Mar 2022 23:38

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:164 Resp: 579

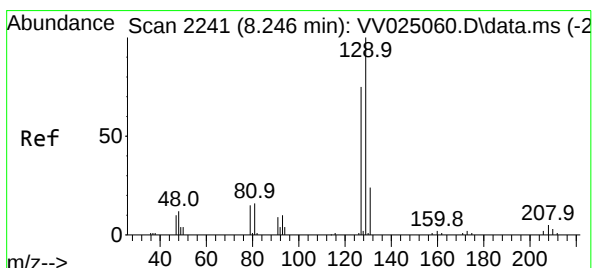
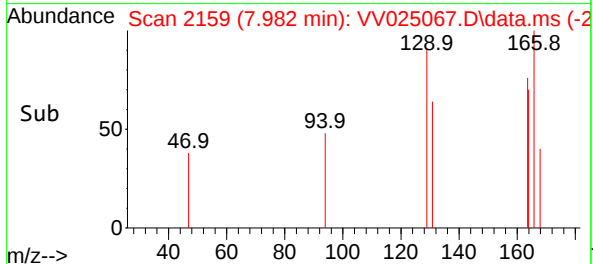
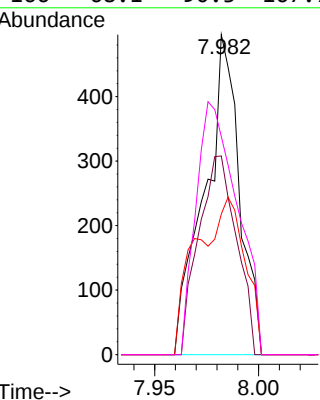
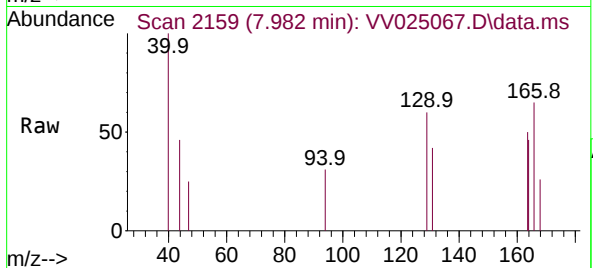
Ion Ratio Lower Upper

164 100

129 62.1 70.3 130.7#

131 44.0 69.4 129.0#

166 68.1 90.3 167.7#



#49

Dibromochloromethane

Concen: 0.048 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV025067.D

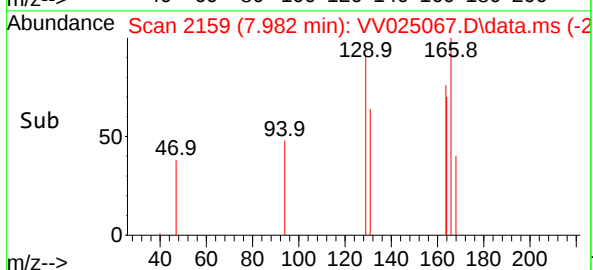
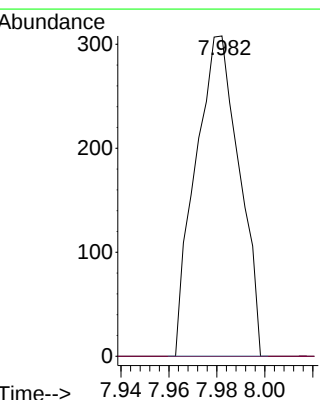
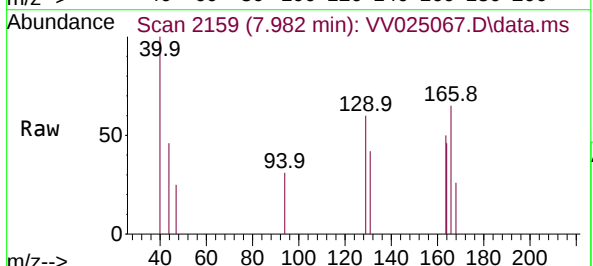
Acq: 16 Mar 2022 23:38

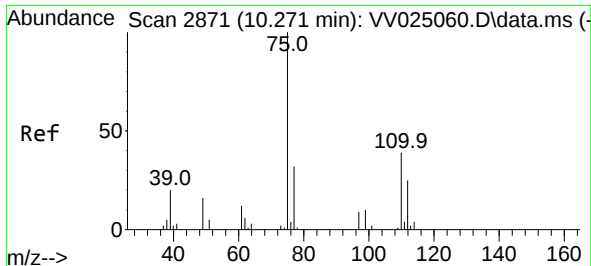
Tgt Ion:129 Resp: 390

Ion Ratio Lower Upper

129 100

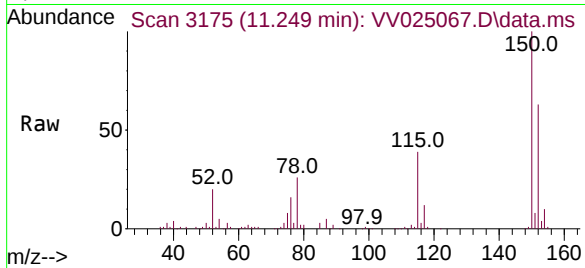
127 0.0 54.9 102.1#



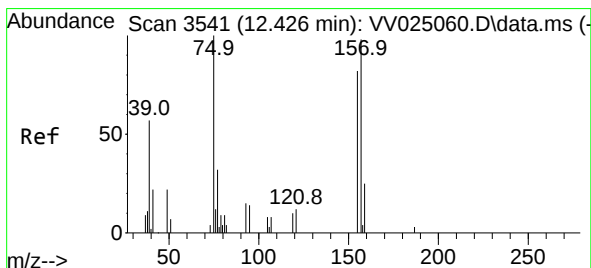
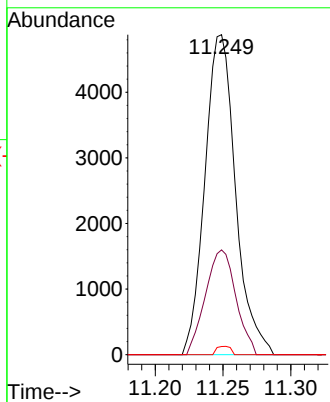
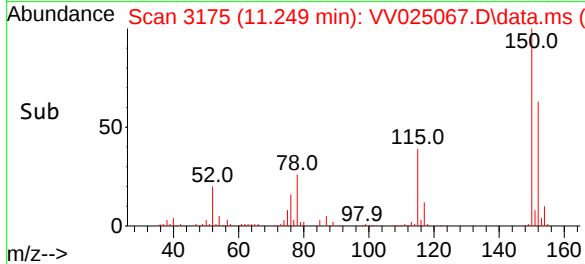


#61  
 1,2,3-Trichloropropane  
 Concen: 1.467 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.977 min  
 Lab File: VV025067.D  
 Acq: 16 Mar 2022 23:38

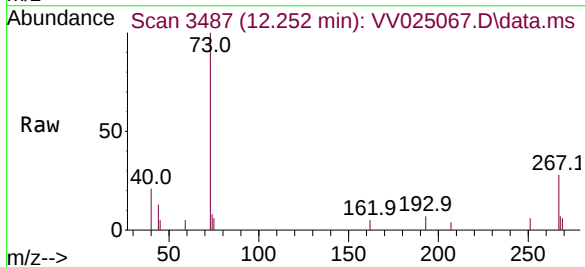
Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 7667  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 25.7 38.5  
 110 1.2 31.2 46.8#



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.139 ug/L  
 RT: 12.252 min Scan# 3487  
 Delta R.T. -0.174 min  
 Lab File: VV025067.D  
 Acq: 16 Mar 2022 23:38



Tgt Ion: 75 Resp: 125  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 65.9 98.9#  
 157 0.0 89.7 134.5#

