

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112621\  
 Data File : VW023734.D  
 Acq On : 26 Nov 2021 18:33  
 Operator : SY/MD  
 Sample : M4821-16DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4661DL

Quant Time: Nov 27 03:55:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 27 03:48:32 2021  
 Response via : Initial Calibration

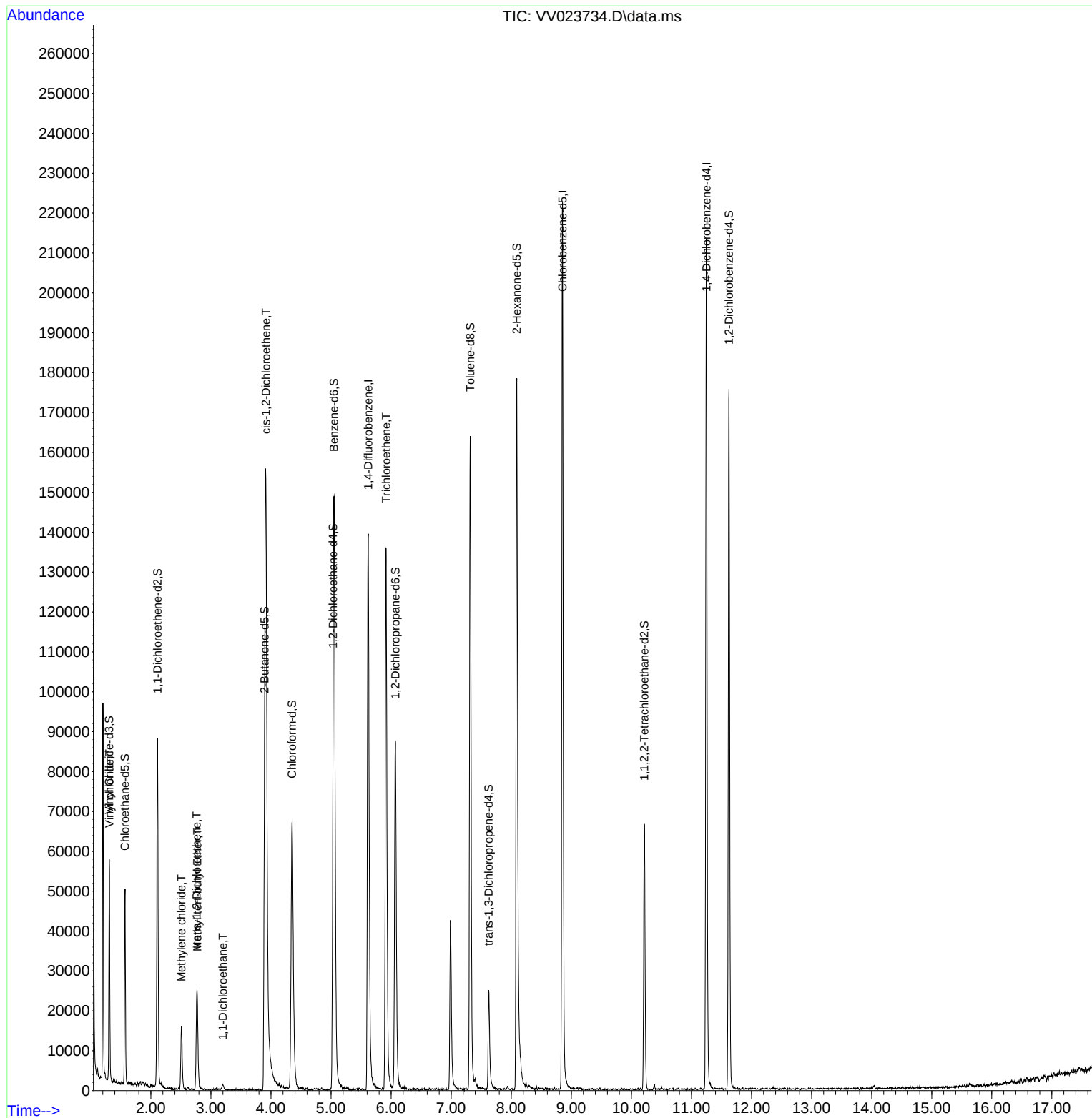
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 125065   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 124268   | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 58027    | 5.000  | ug/L      | 0.00     |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 31736    | 3.091  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 61.800%   |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 29522    | 3.658  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 73.200%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63             | 45280    | 2.503  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 50.000%#  |          |
| 20) 2-Butanone-d5             | 3.892  | 46             | 83117    | 67.343 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 134.680%# |          |
| 24) Chloroform-d              | 4.349  | 84             | 68932    | 3.856  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 77.200%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 37608    | 4.503  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 90.000%   |          |
| 32) Benzene-d6                | 5.050  | 84             | 132062   | 3.901  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 78.000%   |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 40909    | 4.311  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 86.200%   |          |
| 41) Toluene-d8                | 7.317  | 98             | 110492   | 3.493  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 69.800%#  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 14882    | 3.890  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 77.800%   |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 62474    | 49.155 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 98.300%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 31147    | 4.561  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 91.200%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 47141    | 4.595  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 92.000%   |          |
| Target Compounds              |        |                |          |        |           |          |
|                               |        |                |          |        | Qvalue    |          |
| 5) Vinyl chloride             | 1.311  | 62             | 3880     | 0.358  | ug/L #    | 80       |
| 16) Methylene chloride        | 2.510  | 84             | 6455     | 0.540  | ug/L      | 97       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73             | 14808    | 0.862  | ug/L      | 98       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96             | 4268     | 0.447  | ug/L      | 96       |
| 19) 1,1-Dichloroethane        | 3.198  | 63             | 1693     | 0.105  | ug/L      | 96       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96             | 73639    | 8.045  | ug/L      | 99       |
| 34) Trichloroethene           | 5.915  | 95             | 45377    | 4.781  | ug/L      | 98       |
| -----                         |        |                |          |        |           |          |

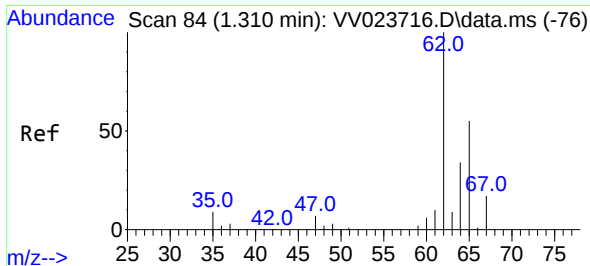
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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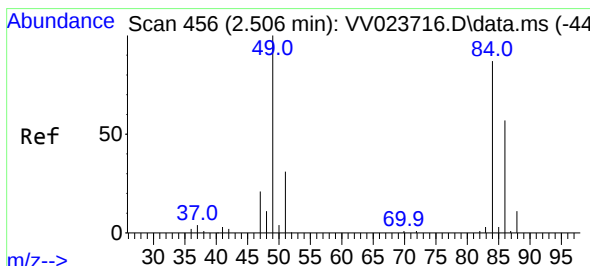
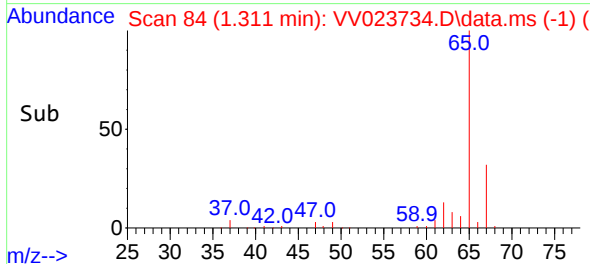
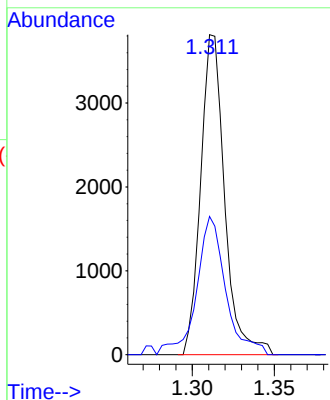
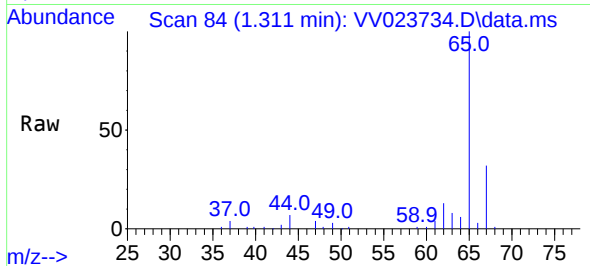




#5  
 Vinyl chloride  
 Concen: 0.358 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV023734.D  
 Acq: 26 Nov 2021 18:33

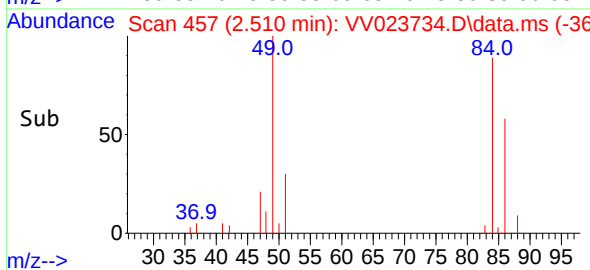
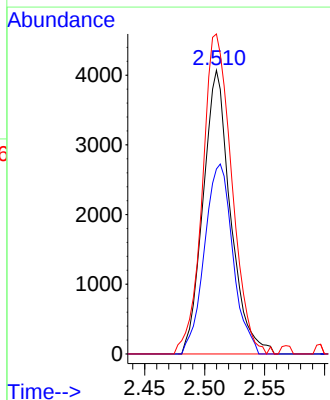
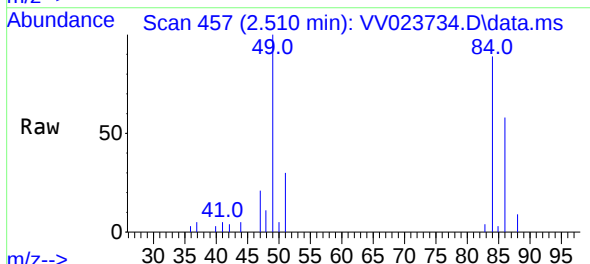
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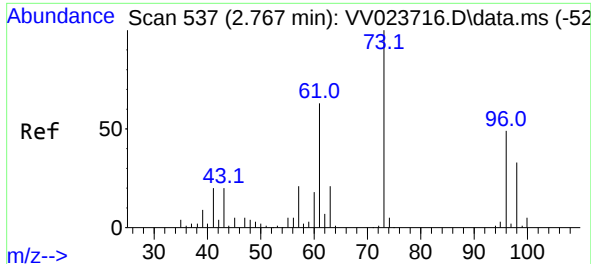
Tgt Ion: 62 Resp: 3880  
 Ion Ratio Lower Upper  
 62 100  
 64 43.2 22.4 41.6#



#16  
 Methylene chloride  
 Concen: 0.540 ug/L  
 RT: 2.510 min Scan# 457  
 Delta R.T. 0.003 min  
 Lab File: VV023734.D  
 Acq: 26 Nov 2021 18:33

Tgt Ion: 84 Resp: 6455  
 Ion Ratio Lower Upper  
 84 100  
 86 65.2 42.6 79.0  
 49 112.8 79.7 147.9





#17

Methyl tert-butyl Ether

Concen: 0.862 ug/L

RT: 2.773 min Scan# 51

Delta R.T. 0.007 min

Lab File: VV023734.D

Acq: 26 Nov 2021 18:33

Instrument :

MSVOA\_V

ClientSampleId :

H4661DL

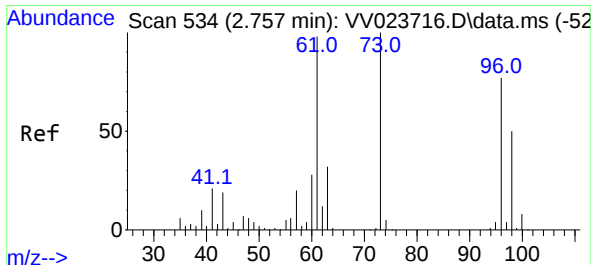
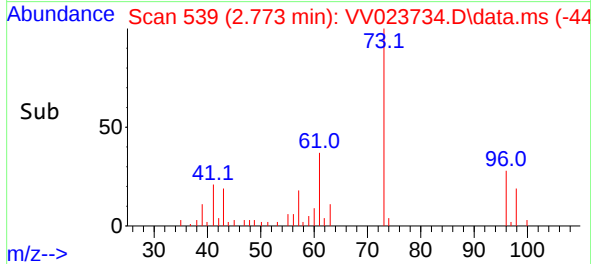
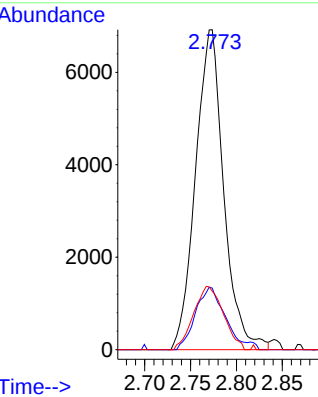
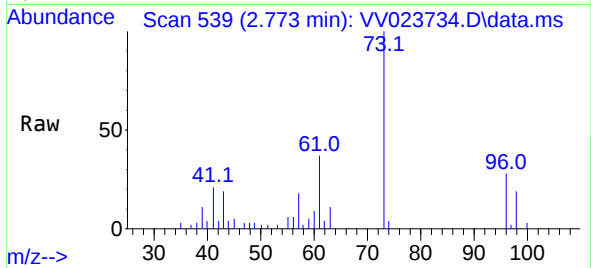
Tgt Ion: 73 Resp: 14808

Ion Ratio Lower Upper

73 100

43 20.9 15.5 23.3

57 20.8 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 0.447 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.007 min

Lab File: VV023734.D

Acq: 26 Nov 2021 18:33

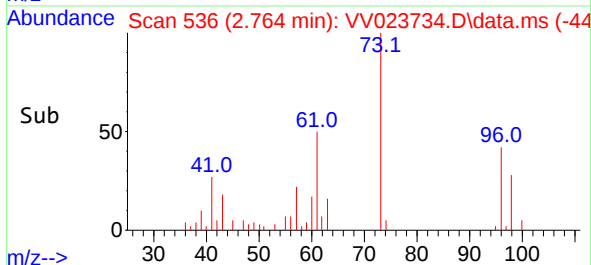
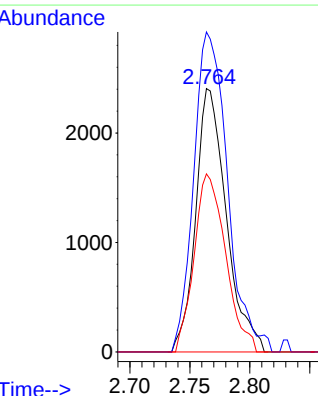
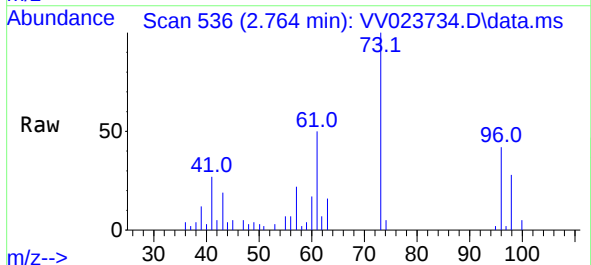
Tgt Ion: 96 Resp: 4268

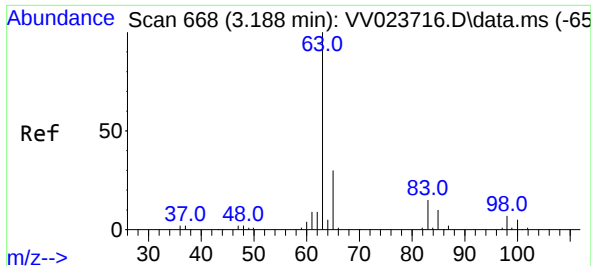
Ion Ratio Lower Upper

96 100

61 121.5 88.2 163.8

98 67.6 44.9 83.5

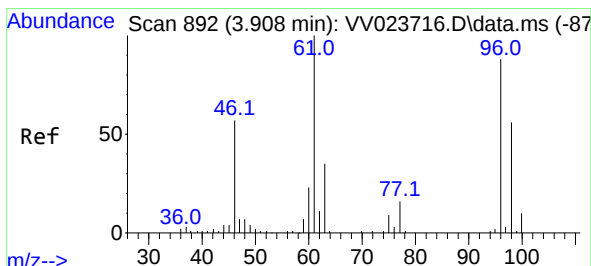
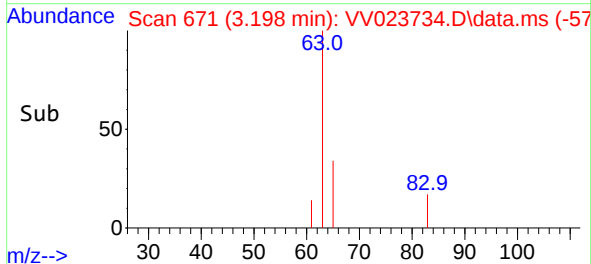
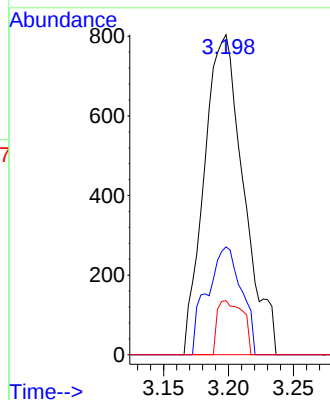
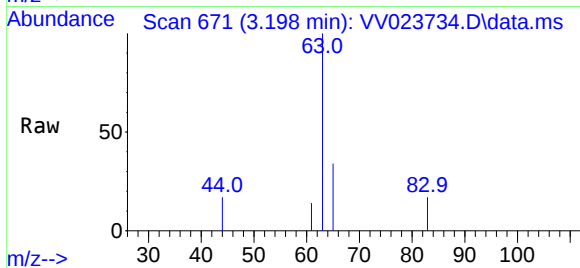




#19  
1,1-Dichloroethane  
Concen: 0.105 ug/L  
RT: 3.198 min Scan# 61  
Delta R.T. 0.010 min  
Lab File: VV023734.D  
Acq: 26 Nov 2021 18:33

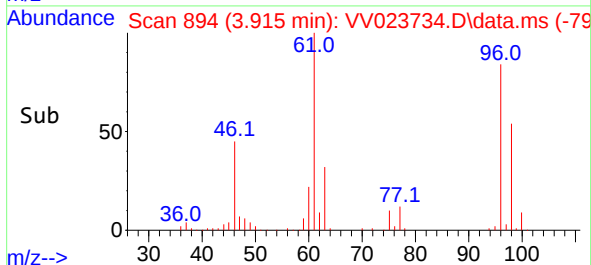
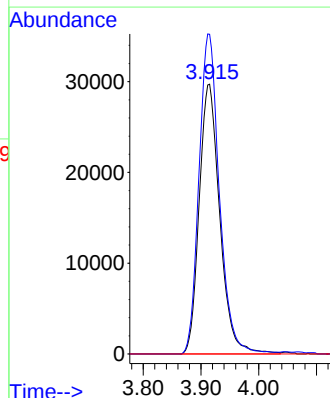
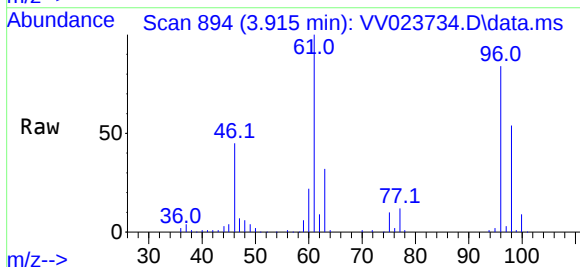
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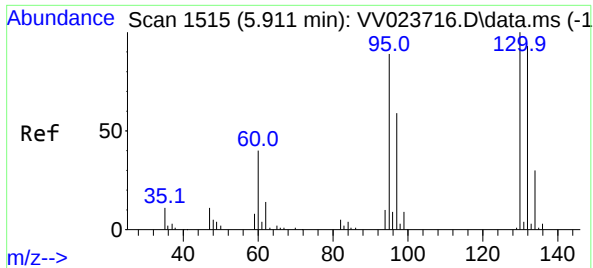
Tgt Ion: 63 Resp: 1693  
Ion Ratio Lower Upper  
63 100  
65 33.7 22.3 41.3  
83 16.9 10.7 19.9



#22  
cis-1,2-Dichloroethene  
Concen: 8.045 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.007 min  
Lab File: VV023734.D  
Acq: 26 Nov 2021 18:33

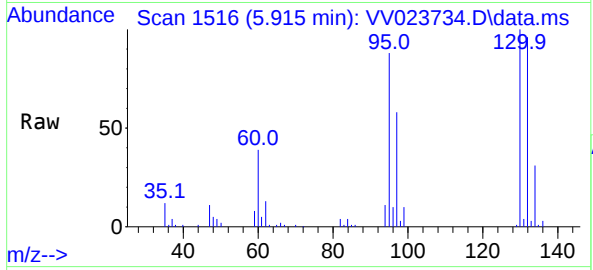
Tgt Ion: 96 Resp: 73639  
Ion Ratio Lower Upper  
96 100  
61 118.5 83.4 154.8  
68 0.0 0.0 0.0





#34  
 Trichloroethene  
 Concen: 4.781 ug/L  
 RT: 5.915 min Scan# 1  
 Delta R.T. 0.003 min  
 Lab File: VV023734.D  
 Acq: 26 Nov 2021 18:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Tgt Ion: 95 Resp: 45377

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.2  | 84.0  |
| 132 | 108.6 | 76.1  | 141.3 |
| 130 | 113.0 | 75.4  | 140.0 |

