

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122123\  
 Data File : VU057178.D  
 Acq On : 22 Dec 2023 09:20  
 Operator : MD/SY  
 Sample : 05912-18DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH3N0DL

Quant Time: Dec 22 12:39:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 22 01:33:10 2023  
 Response via : Initial Calibration

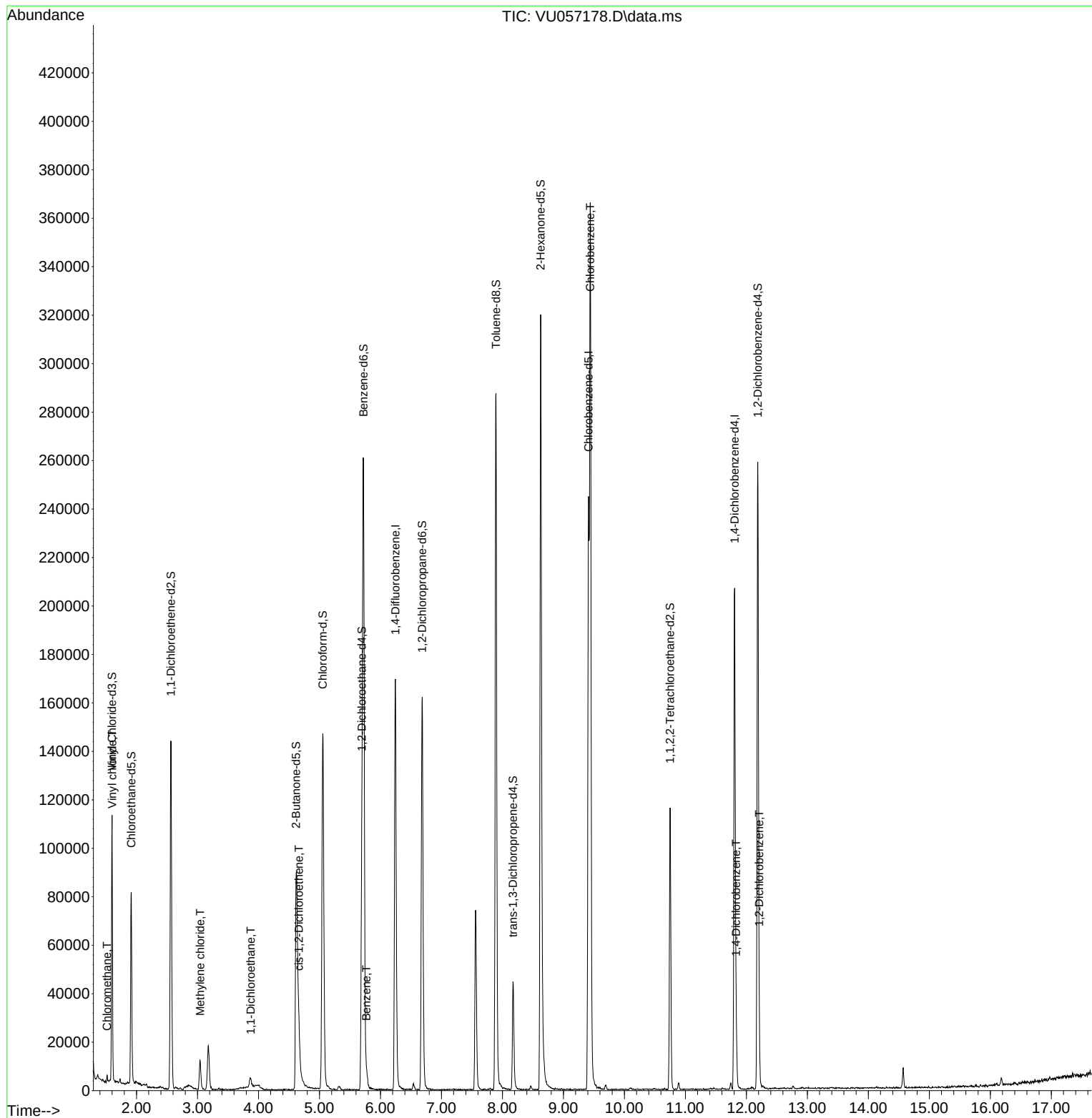
| Compound                      |        | R.T.   | QIon     | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|--------|-----------|----------|
| -----                         |        |        |          |          |        |           |          |
| Internal Standards            |        |        |          |          |        |           |          |
| 1) 1,4-Difluorobenzene        |        | 6.245  | 114      | 137258   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          |        | 9.412  | 117      | 132031   | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 11.807 | 152      | 53419    | 5.000  | ug/L      | 0.00     |
| System Monitoring Compounds   |        |        |          |          |        |           |          |
| 4) Vinyl Chloride-d3          |        | 1.599  | 65       | 74023    | 5.642  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 40 - 130 | Recovery | =      | 112.800%  |          |
| 7) Chloroethane-d5            |        | 1.914  | 69       | 60118    | 5.567  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 130 | Recovery | =      | 111.400%  |          |
| 11) 1,1-Dichloroethene-d2     |        | 2.563  | 65       | 27534    | 4.844  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 125 | Recovery | =      | 96.800%   |          |
| 20) 2-Butanone-d5             |        | 4.618  | 46       | 125858   | 61.102 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 40 - 130 | Recovery | =      | 122.200%  |          |
| 24) Chloroform-d              |        | 5.055  | 84       | 142355   | 5.619  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | =      | 112.400%  |          |
| 26) 1,2-Dichloroethane-d4     |        | 5.695  | 65       | 71897    | 5.954  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | =      | 119.000%  |          |
| 32) Benzene-d6                |        | 5.721  | 84       | 250188   | 5.525  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | =      | 110.400%  |          |
| 36) 1,2-Dichloropropane-d6    |        | 6.685  | 67       | 76607    | 5.945  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 140 | Recovery | =      | 118.800%  |          |
| 41) Toluene-d8                |        | 7.894  | 98       | 197758   | 4.783  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | =      | 95.600%   |          |
| 43) trans-1,3-Dichloroprop... |        | 8.174  | 79       | 27478    | 5.122  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 55 - 130 | Recovery | =      | 102.400%  |          |
| 46) 2-Hexanone-d5             |        | 8.627  | 63       | 107913   | 59.083 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 45 - 130 | Recovery | =      | 118.160%  |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 10.750 | 84       | 55327    | 6.033  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 120 | Recovery | =      | 120.600%# |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 12.187 | 152      | 65271    | 5.678  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 80 - 120 | Recovery | =      | 113.600%  |          |
| Target Compounds              |        |        |          |          |        |           |          |
|                               |        |        |          |          |        |           | Qvalue   |
| 3) Chloromethane              |        | 1.518  | 50       | 1644     | 0.146  | ug/L      | 90       |
| 5) Vinyl chloride             |        | 1.602  | 62       | 2820     | 0.235  | ug/L #    | 39       |
| 16) Methylene chloride        |        | 3.042  | 84       | 6136     | 0.514  | ug/L      | 93       |
| 19) 1,1-Dichloroethane        |        | 3.872  | 63       | 4526     | 0.228  | ug/L      | 94       |
| 22) cis-1,2-Dichloroethene    |        | 4.663  | 96       | 6531     | 0.593  | ug/L      | 82       |
| 33) Benzene                   |        | 5.769  | 78       | 5320     | 0.127  | ug/L      | 100      |
| 51) Chlorobenzene             |        | 9.441  | 112      | 188430   | 6.527  | ug/L      | 97       |
| 65) 1,4-Dichlorobenzene       |        | 11.833 | 146      | 9350     | 0.499  | ug/L      | 90       |
| 67) 1,2-Dichlorobenzene       |        | 12.209 | 146      | 3859     | 0.232  | ug/L #    | 92       |
| -----                         |        |        |          |          |        |           |          |

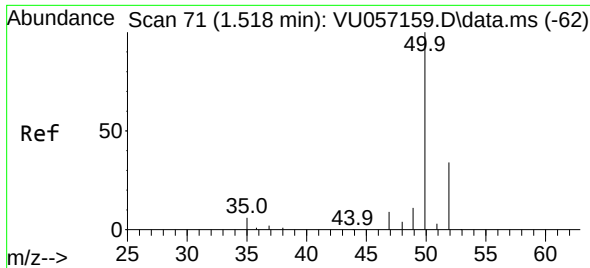
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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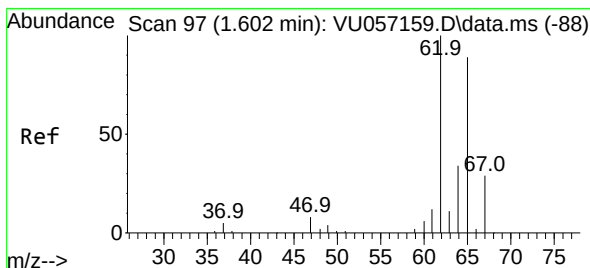
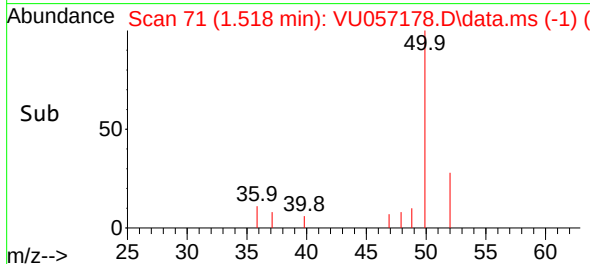
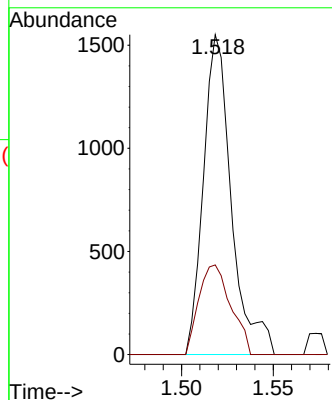
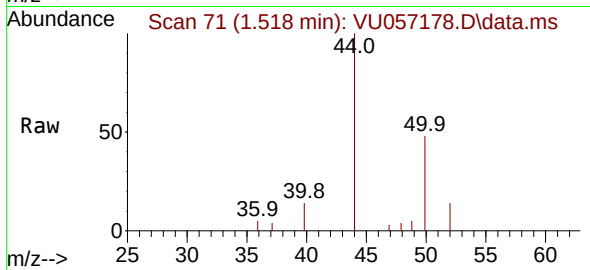




#3  
Chloromethane  
Concen: 0.146 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

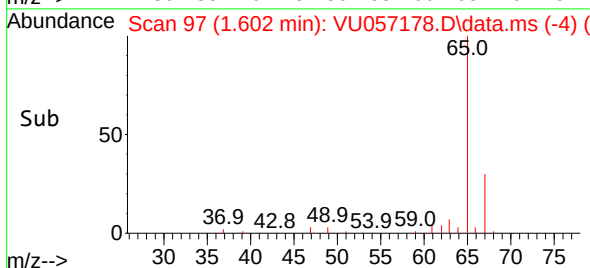
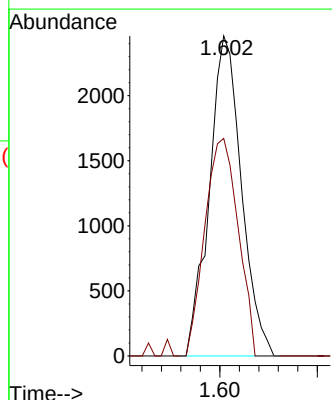
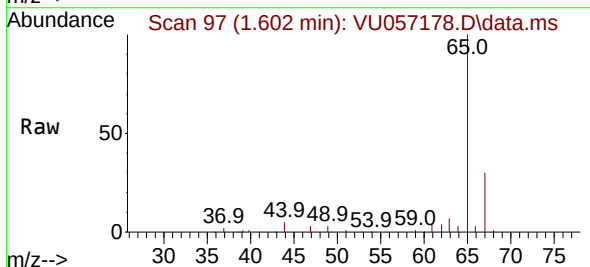
Instrument :  
MSVOA\_U  
ClientSampleId :  
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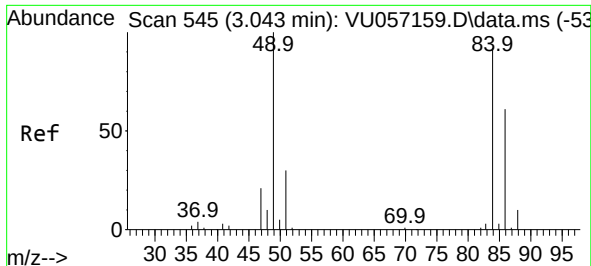
Tgt Ion: 50 Resp: 1644  
Ion Ratio Lower Upper  
50 100  
52 28.0 23.7 44.1



#5  
Vinyl chloride  
Concen: 0.235 ug/L  
RT: 1.602 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

Tgt Ion: 62 Resp: 2820  
Ion Ratio Lower Upper  
62 100  
64 68.0 23.3 43.3#

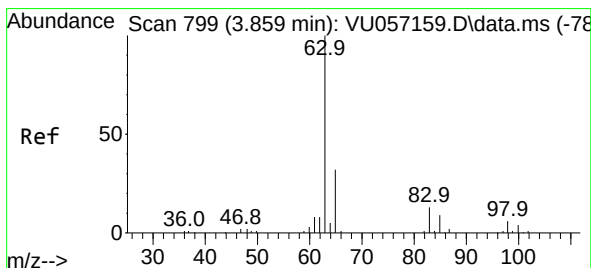
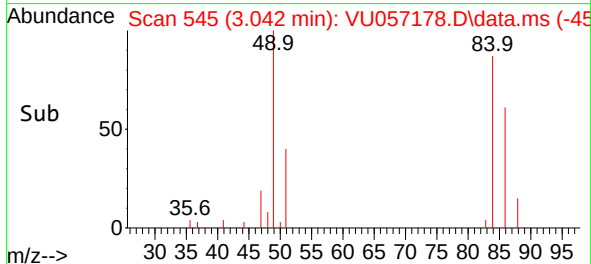
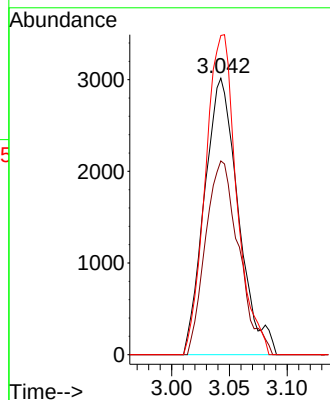
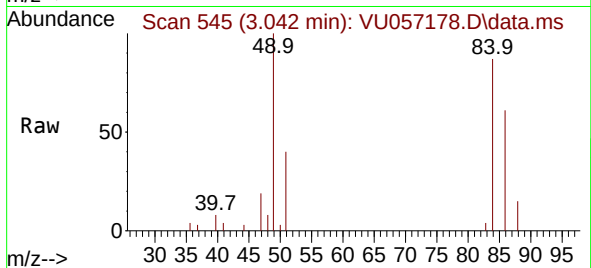




#16  
Methylene chloride  
Concen: 0.514 ug/L  
RT: 3.042 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

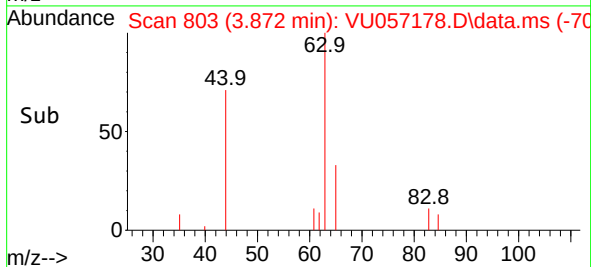
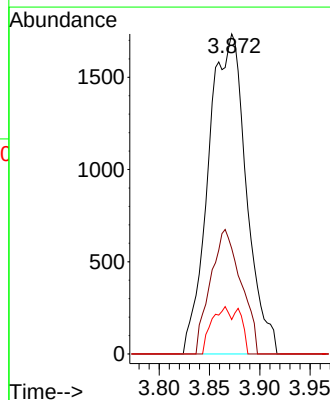
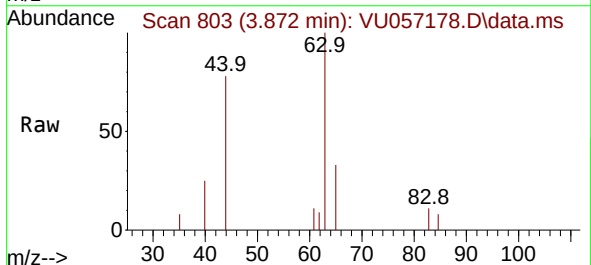
Instrument :  
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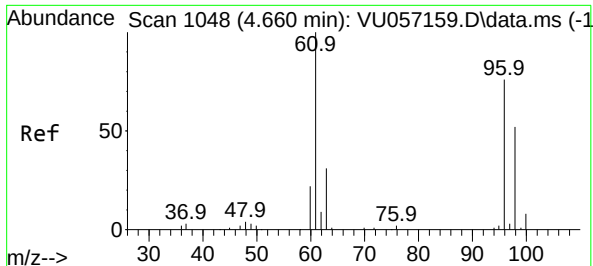
Tgt Ion: 84 Resp: 6136  
Ion Ratio Lower Upper  
84 100  
86 70.1 44.7 82.9  
49 115.5 76.0 141.2



#19  
1,1-Dichloroethane  
Concen: 0.228 ug/L  
RT: 3.872 min Scan# 803  
Delta R.T. 0.013 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

Tgt Ion: 63 Resp: 4526  
Ion Ratio Lower Upper  
63 100  
65 33.0 21.6 40.2  
83 10.8 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.593 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU057178.D

Acq: 22 Dec 2023 09:20

Instrument :

MSVOA\_U

ClientSampleId :

BH3N0DL

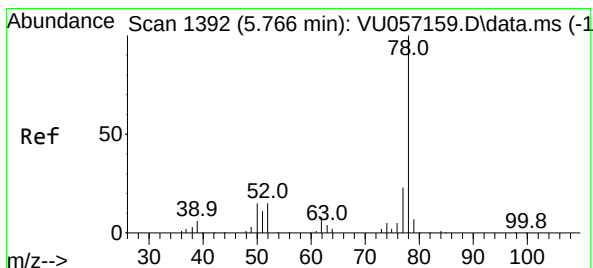
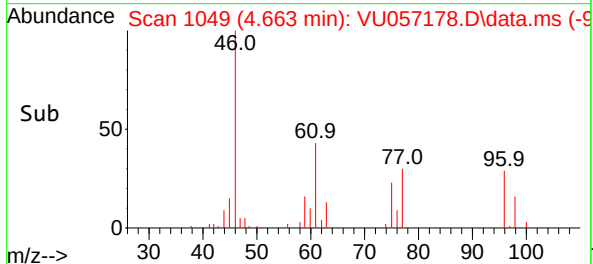
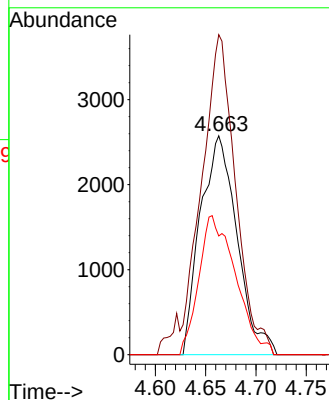
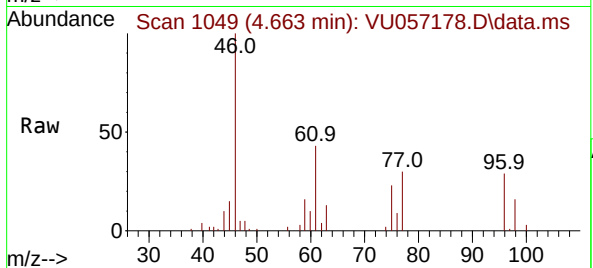
Tgt Ion: 96 Resp: 6531

Ion Ratio Lower Upper

96 100

61 146.2 86.8 161.2

98 54.3 45.5 84.5



#33

Benzene

Concen: 0.127 ug/L

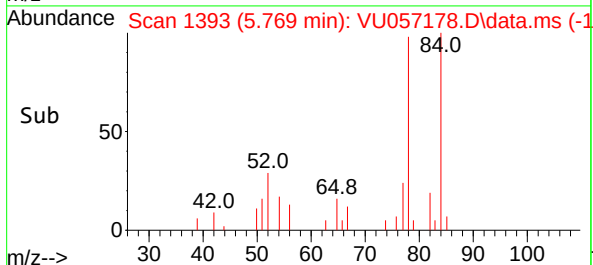
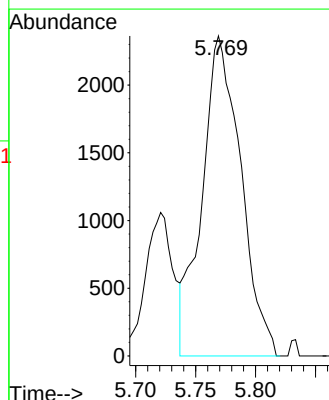
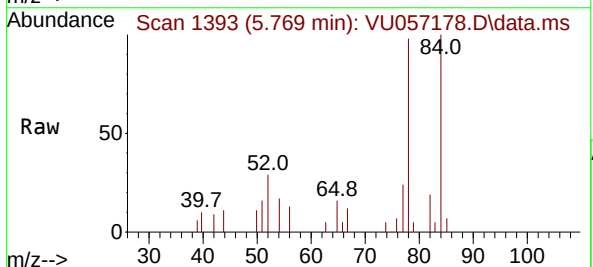
RT: 5.769 min Scan# 1393

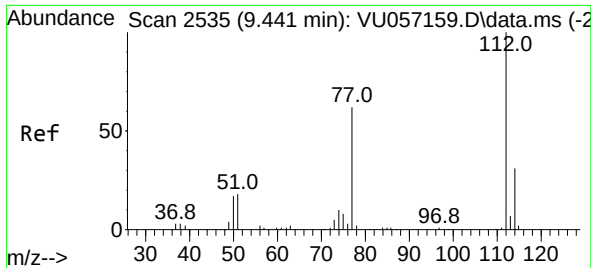
Delta R.T. 0.003 min

Lab File: VU057178.D

Acq: 22 Dec 2023 09:20

Tgt Ion: 78 Resp: 5320

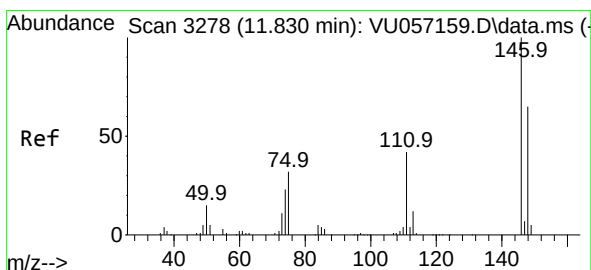
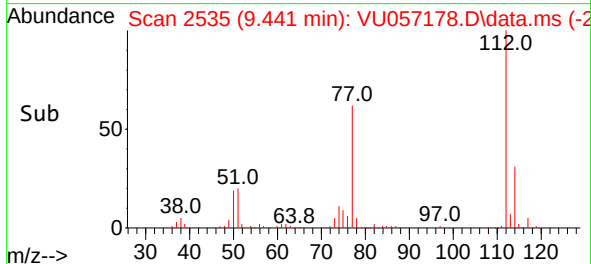
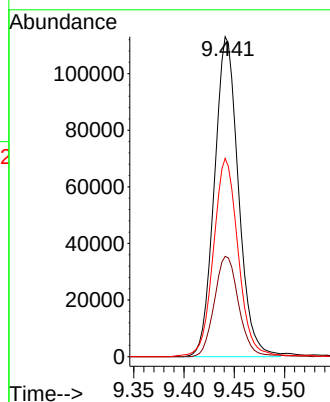
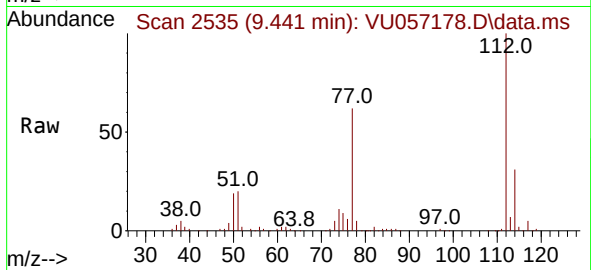




#51  
Chlorobenzene  
Concen: 6.527 ug/L  
RT: 9.441 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

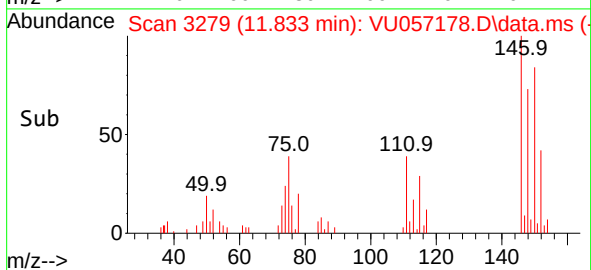
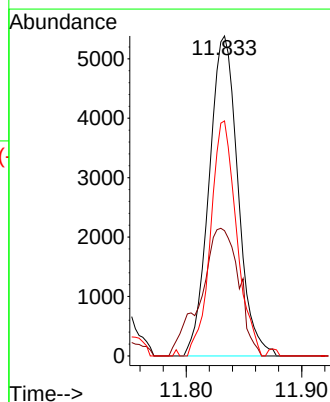
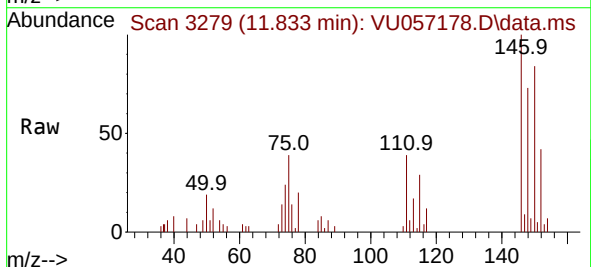
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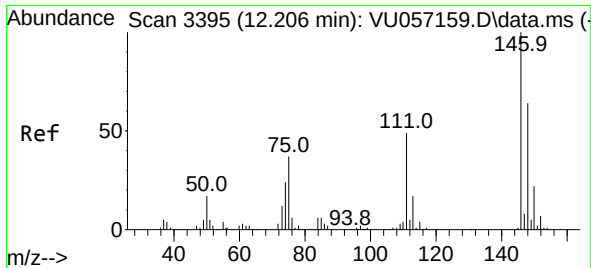
Tgt Ion:112 Resp: 188430  
Ion Ratio Lower Upper  
112 100  
114 31.3 22.7 42.1  
77 62.0 52.2 78.2



#65  
1,4-Dichlorobenzene  
Concen: 0.499 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU057178.D  
Acq: 22 Dec 2023 09:20

Tgt Ion:146 Resp: 9350  
Ion Ratio Lower Upper  
146 100  
111 39.1 28.1 52.3  
148 73.4 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 0.232 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057178.D

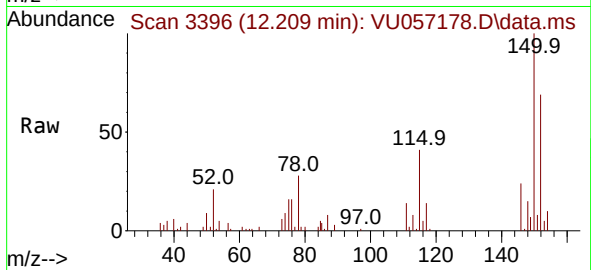
Acq: 22 Dec 2023 09:20

Instrument :

MSVOA\_U

ClientSampleId :

BH3N0DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 3859  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 59.0  | 37.9  | 56.9# |
| 148      | 63.1  | 50.1  | 75.1  |

