

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070124\  
 Data File : VU059718.D  
 Acq On : 02 Jul 2024 04:51  
 Operator : MD/SY  
 Sample : P3121-20  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COBM8

Quant Time: Jul 02 07:22:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jun 29 01:51:23 2024  
 Response via : Initial Calibration

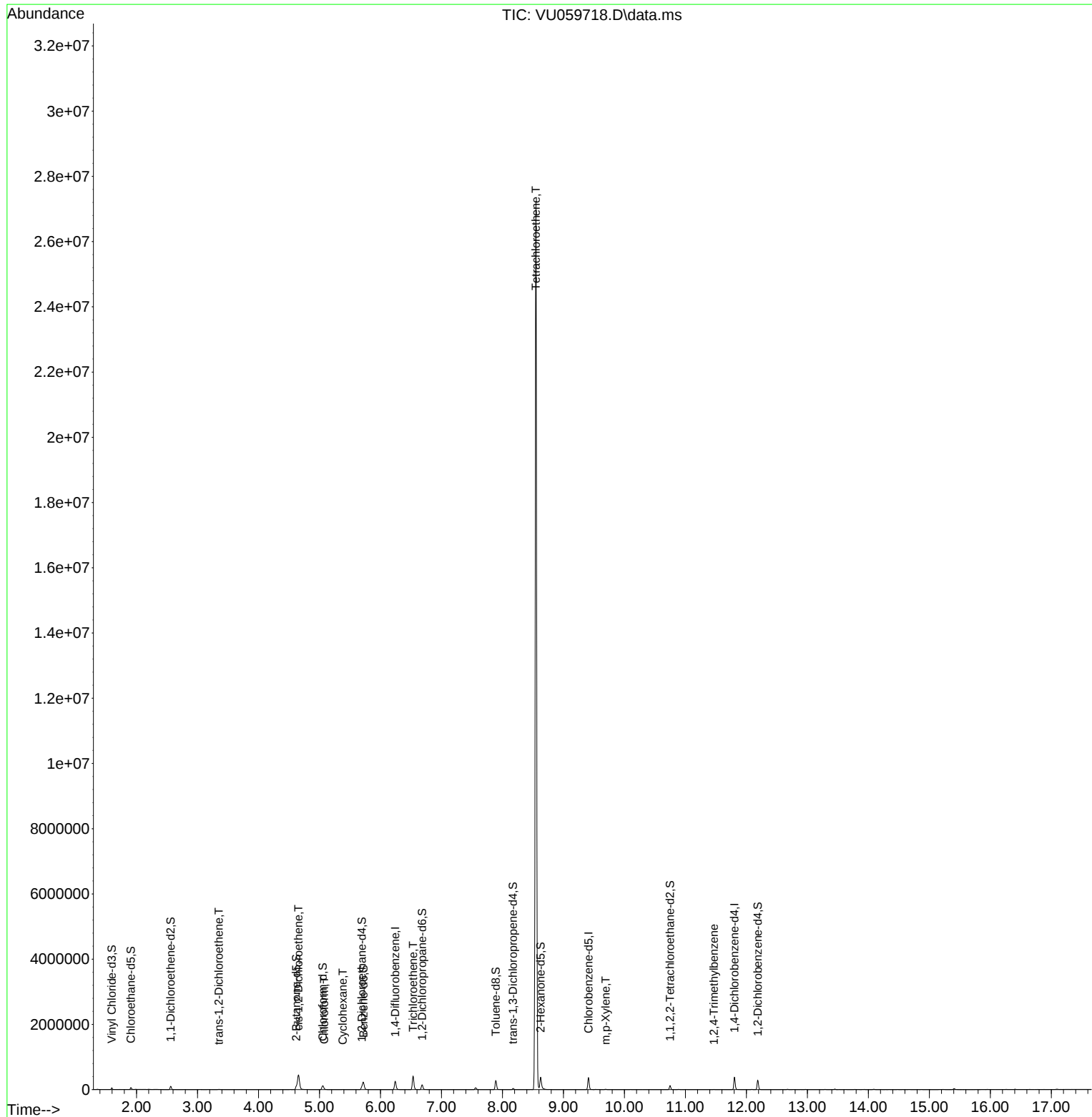
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 221755   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 219391   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 110145   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 36799    | 2.387    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 47.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 43242    | 2.915    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 58.200%# |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 18908    | 2.956    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 59.200%# |
| 20) 2-Butanone-d5             | 4.621  | 46    | 158759   | 49.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.960%  |
| 24) Chloroform-d              | 5.055  | 84    | 112327   | 3.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 71.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 57579    | 3.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 223824   | 3.707    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 74.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 74217    | 4.011    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 80.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 195241   | 3.478    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.600%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 21933    | 3.786    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 75.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 136068   | 56.525   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 113.040% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 62495    | 4.088    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 81.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 83228    | 4.245    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 2868     | 0.175    | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 240798   | 13.356   | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83    | 6400     | 0.201    | ug/L   | 95       |
| 30) Cyclohexane               | 5.383  | 56    | 1365     | 0.061    | ug/L # | 89       |
| 34) Trichloroethene           | 6.534  | 95    | 141068   | 7.819    | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.550  | 164   | 6177976  | 441.259  | ug/L   | 96       |
| 53) m,p-Xylene                | 9.692  | 106   | 4069     | 0.146    | ug/L   | 78       |
| 63) 1,2,4-Trimethylbenzene    | 11.466 | 105   | 3483     | 0.068    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

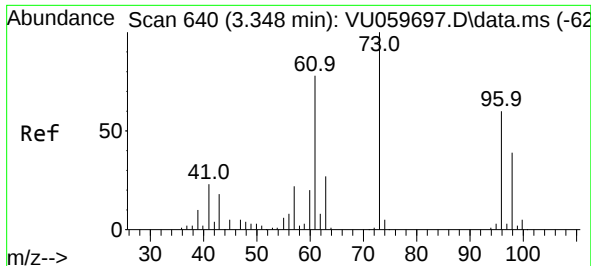
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 51 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Jul 02 07:22:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jun 29 01:51:23 2024  
Response via : Initial Calibration

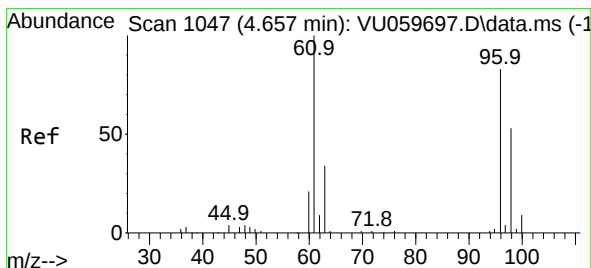
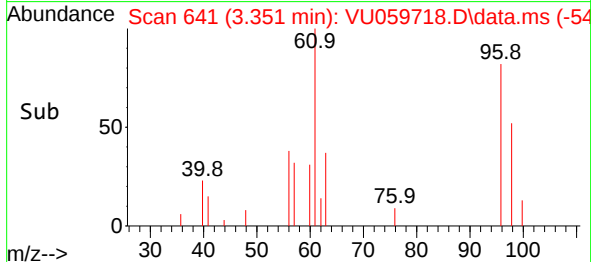
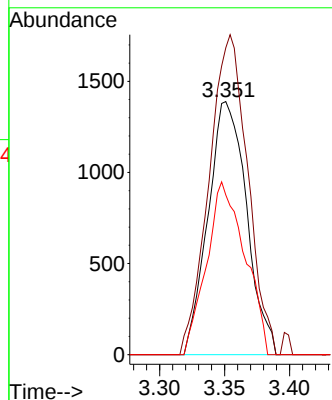
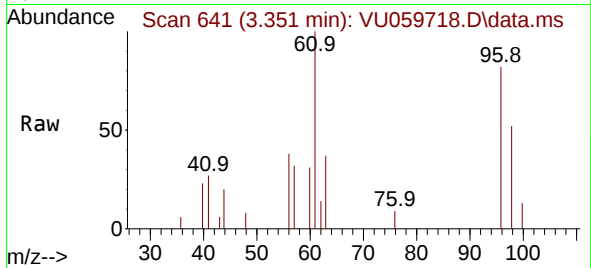




#18  
trans-1,2-Dichloroethene  
Concen: 0.175 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

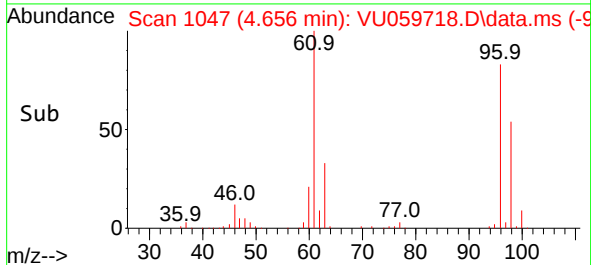
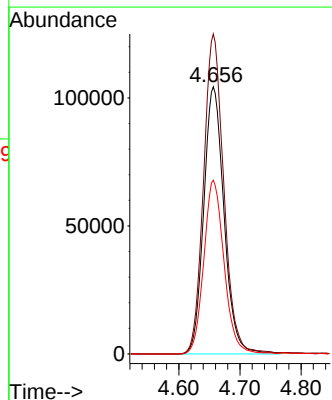
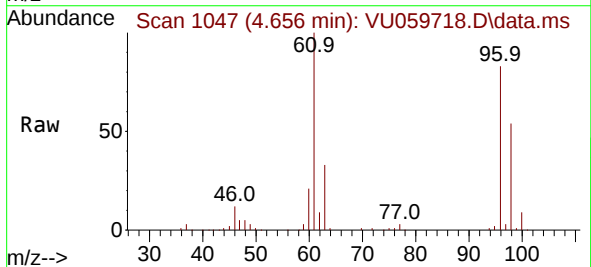
Instrument :  
MSVOA\_U  
ClientSampleId :  
COBM8

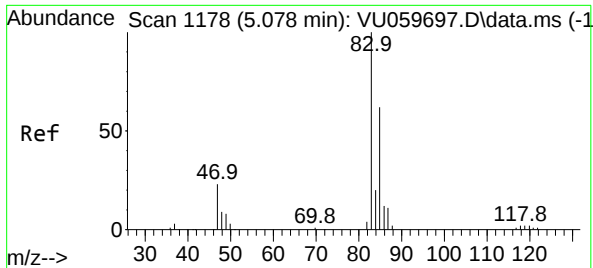
Tgt Ion: 96 Resp: 2868  
Ion Ratio Lower Upper  
96 100  
61 121.2 101.8 189.0  
98 63.1 43.3 80.5



#22  
cis-1,2-Dichloroethene  
Concen: 13.356 ug/L  
RT: 4.656 min Scan# 1047  
Delta R.T. -0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

Tgt Ion: 96 Resp: 240798  
Ion Ratio Lower Upper  
96 100  
61 119.8 87.4 162.2  
98 65.0 42.3 78.5

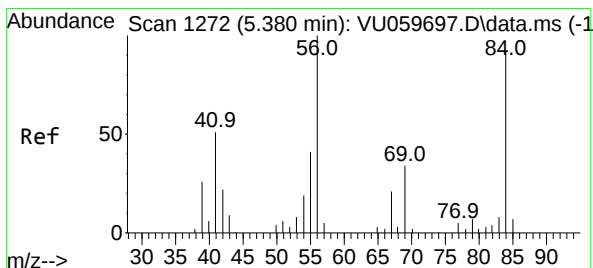
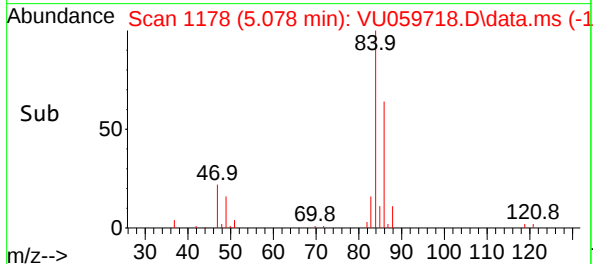
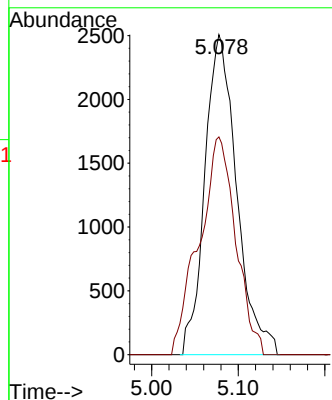
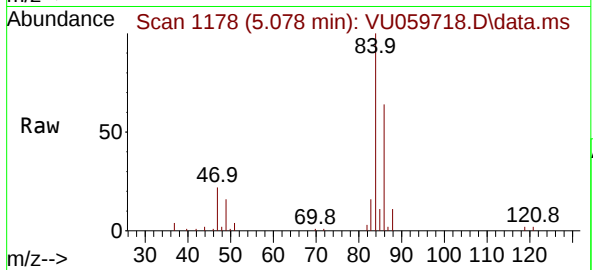




#25  
Chloroform  
Concen: 0.201 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

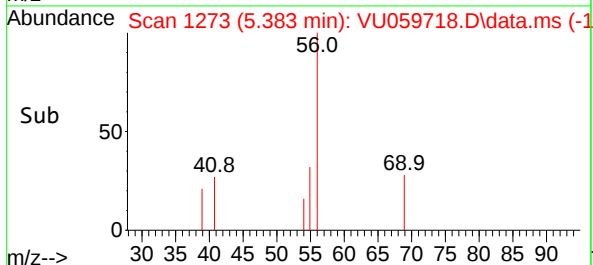
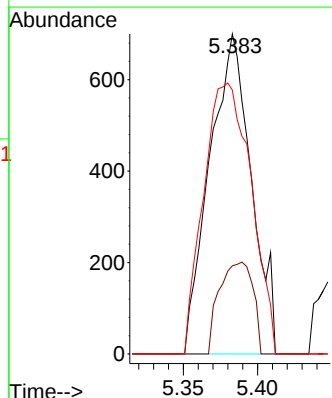
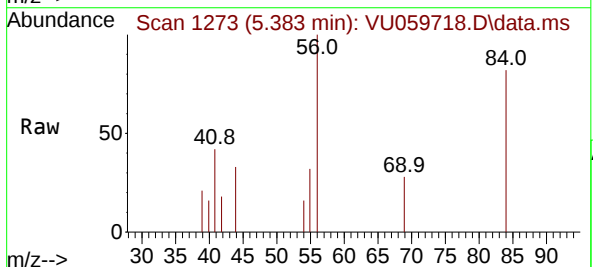
Instrument :  
MSVOA\_U  
ClientSampleId :  
COBM8

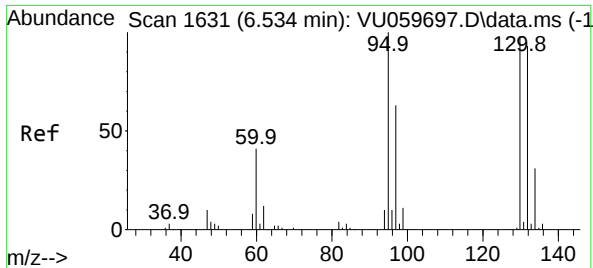
Tgt Ion: 83 Resp: 6400  
Ion Ratio Lower Upper  
83 100  
85 68.0 44.7 83.1



#30  
Cyclohexane  
Concen: 0.061 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. 0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

Tgt Ion: 56 Resp: 1365  
Ion Ratio Lower Upper  
56 100  
69 23.1 24.8 37.2#  
84 96.6 69.8 104.8

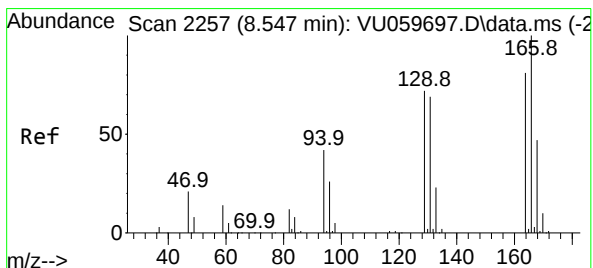
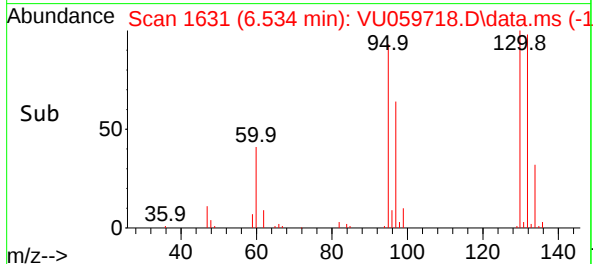
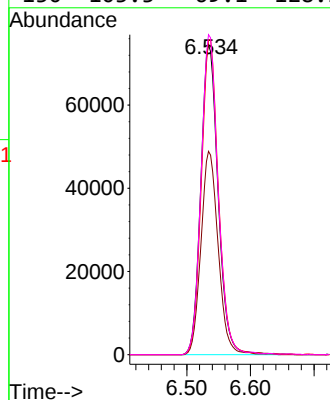
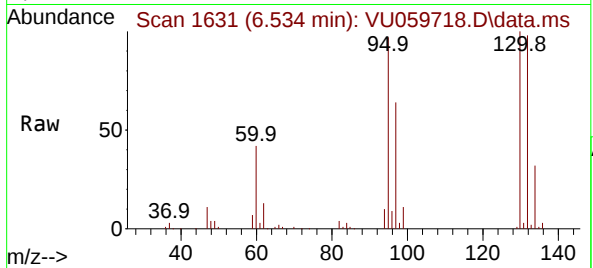




#34  
Trichloroethene  
Concen: 7.819 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

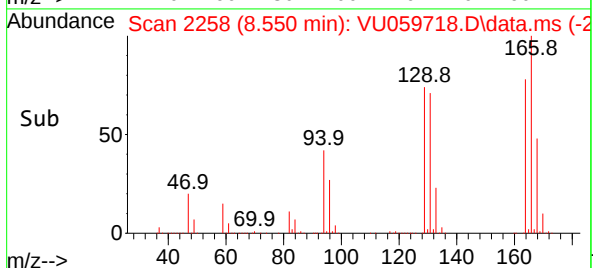
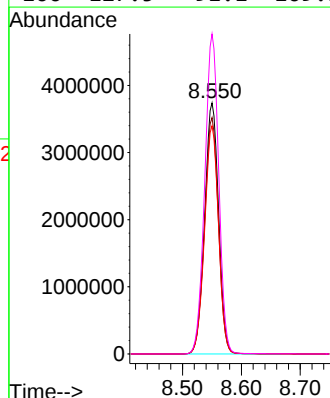
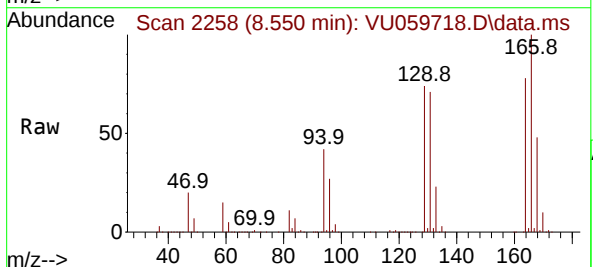
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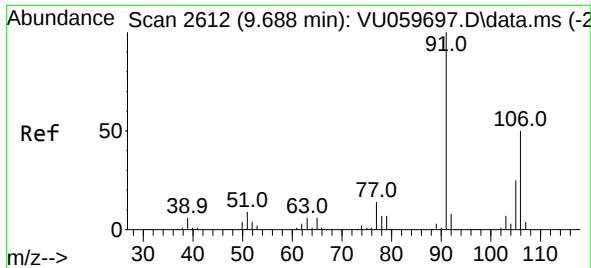
Tgt Ion: 95 Resp: 141068  
Ion Ratio Lower Upper  
95 100  
97 65.6 45.3 84.1  
132 101.5 64.0 119.0  
130 103.3 69.1 128.3



#47  
Tetrachloroethene  
Concen: 441.259 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

Tgt Ion: 164 Resp: 6177976  
Ion Ratio Lower Upper  
164 100  
129 94.2 70.8 131.4  
131 90.9 64.8 120.3  
166 127.5 91.1 169.1

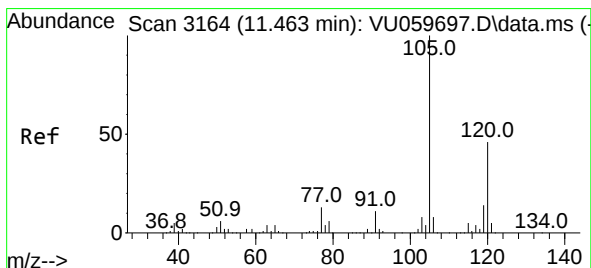
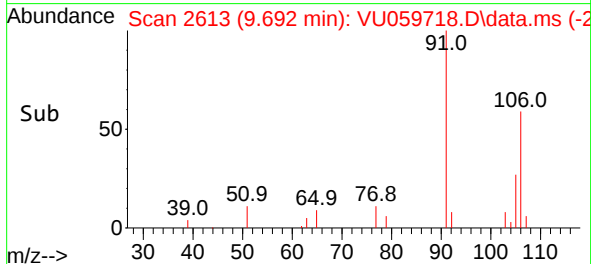
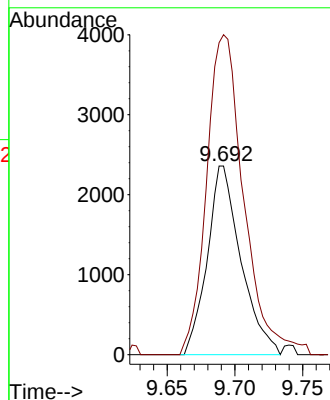
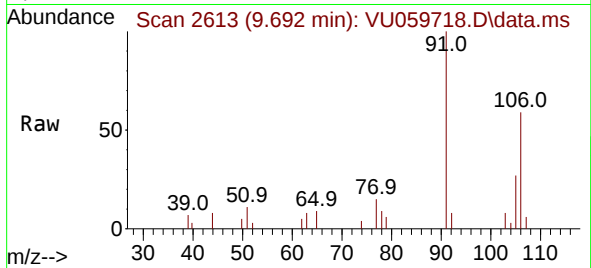




#53  
m,p-Xylene  
Concen: 0.146 ug/L  
RT: 9.692 min Scan# 2  
Delta R.T. 0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

Instrument :  
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Tgt Ion:106 Resp: 4069  
Ion Ratio Lower Upper  
106 100  
91 169.6 142.0 263.8



#63  
1,2,4-Trimethylbenzene  
Concen: 0.068 ug/L  
RT: 11.466 min Scan# 3165  
Delta R.T. 0.003 min  
Lab File: VU059718.D  
Acq: 02 Jul 2024 04:51

Tgt Ion:105 Resp: 3483  
Ion Ratio Lower Upper  
105 100  
120 47.6 35.4 53.0

