

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122723\  
 Data File : VU057293.D  
 Acq On : 27 Dec 2023 21:28  
 Operator : MD/SY  
 Sample : 05976-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 28 01:48:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 28 00:43:53 2023  
 Response via : Initial Calibration

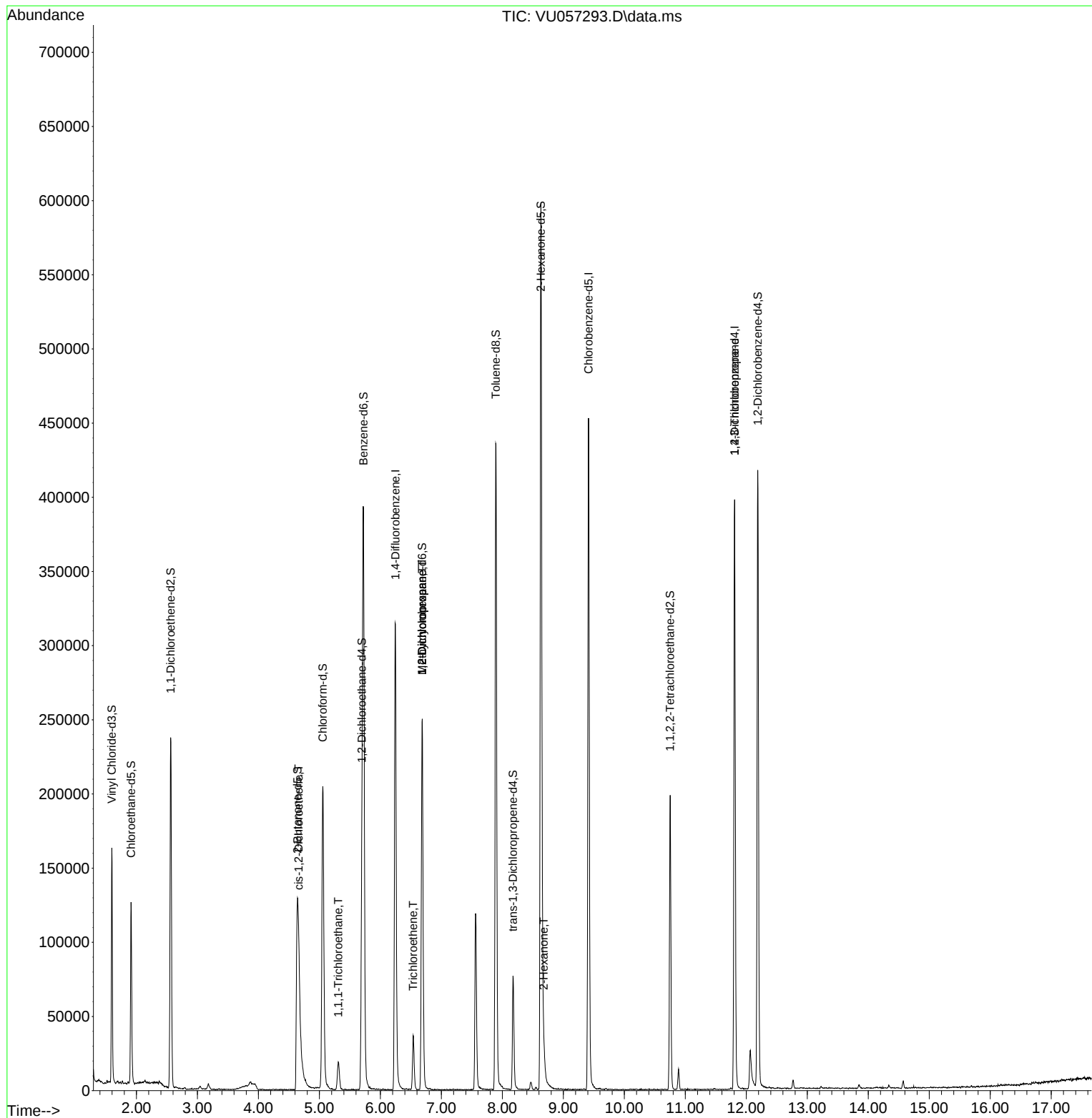
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.245     | 114            | 256455   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412     | 117            | 256905   | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807    | 152            | 104884   | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.596     | 65             | 113582   | 5.152      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 103.000% |        |          |
| 7) Chloroethane-d5            | 1.911     | 69             | 95111    | 5.371      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 107.400% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.560     | 65             | 46354    | 5.282      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 105.600% |        |          |
| 20) 2-Butanone-d5             | 4.641     | 46             | 275567   | 55.186     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 110.380% |        |          |
| 24) Chloroform-d              | 5.055     | 84             | 197614   | 5.040      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 100.800% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695     | 65             | 106623   | 5.322      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 106.400% |        |          |
| 32) Benzene-d6                | 5.721     | 84             | 376836   | 5.145      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 103.000% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.685     | 67             | 123547   | 5.384      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 107.600% |        |          |
| 41) Toluene-d8                | 7.891     | 98             | 300418   | 4.755      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 95.200%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174     | 79             | 47074    | 5.112      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 102.200% |        |          |
| 46) 2-Hexanone-d5             | 8.631     | 63             | 216491   | 51.912     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 103.820% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750    | 84             | 99380    | 5.157      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 103.200% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187    | 152            | 107202   | 5.613      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 112.200% |        |          |
| Target Compounds              |           |                |          |            |        | Qvalue   |
| 22) cis-1,2-Dichloroethene    | 4.660     | 96             | 10287    | 0.535      | ug/L   | 92       |
| 29) 1,1,1-Trichloroethane     | 5.309     | 97             | 13815    | 0.425      | ug/L   | 97       |
| 34) Trichloroethene           | 6.538     | 95             | 12157    | 0.616      | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.685     | 83             | 27987    | 1.086      | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.685     | 63             | 13336    | 0.648      | ug/L # | 90       |
| 48) 2-Hexanone                | 8.679     | 43             | 5122     | 0.662      | ug/L # | 84       |
| 61) 1,2,3-Trichloropropane    | 11.807    | 75             | 12628    | 1.153      | ug/L # | 67       |

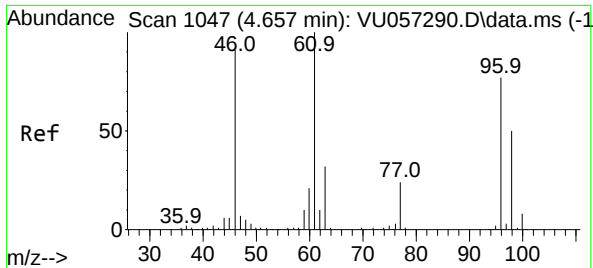
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 28 00:43:53 2023  
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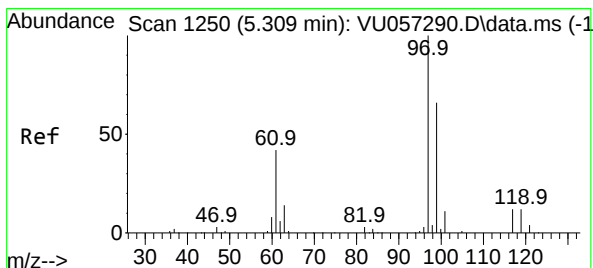
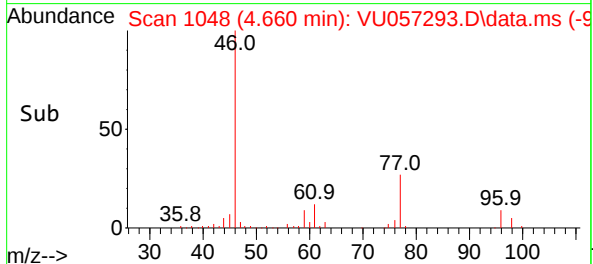
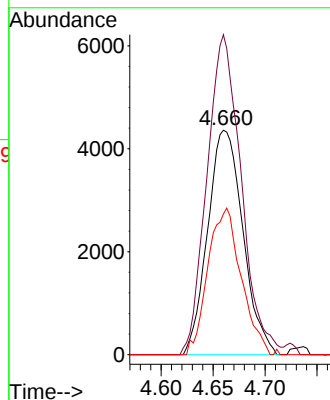
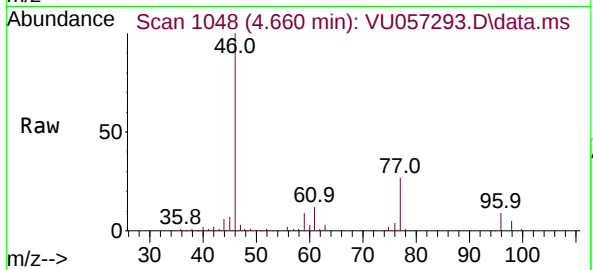




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.535 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.003 min  
 Lab File: VU057293.D  
 Acq: 27 Dec 2023 21:28

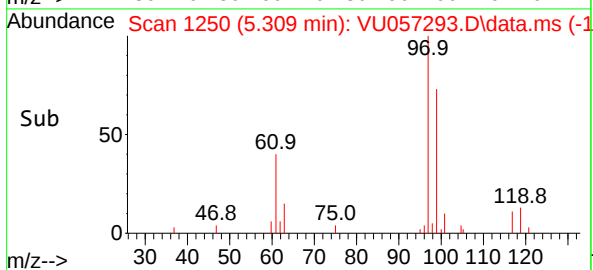
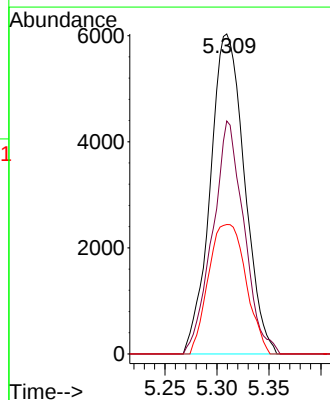
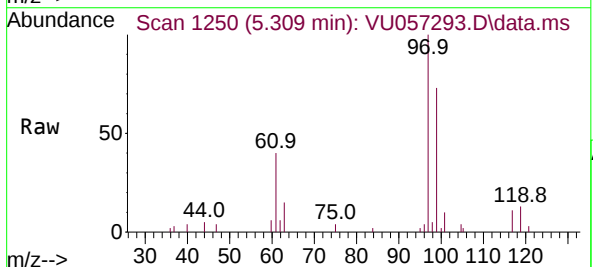
Instrument :  
 MSVOA\_U  
 ClientSampleId :

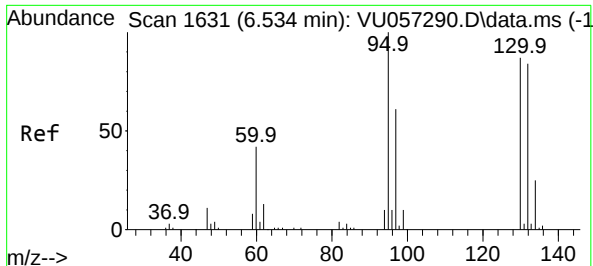
Tgt Ion: 96 Resp: 10287  
 Ion Ratio Lower Upper  
 96 100  
 61 142.5 91.1 169.3  
 98 62.7 42.6 79.0



#29  
 1,1,1-Trichloroethane  
 Concen: 0.425 ug/L  
 RT: 5.309 min Scan# 1250  
 Delta R.T. 0.000 min  
 Lab File: VU057293.D  
 Acq: 27 Dec 2023 21:28

Tgt Ion: 97 Resp: 13815  
 Ion Ratio Lower Upper  
 97 100  
 99 67.0 51.7 77.5  
 61 44.2 34.1 51.1

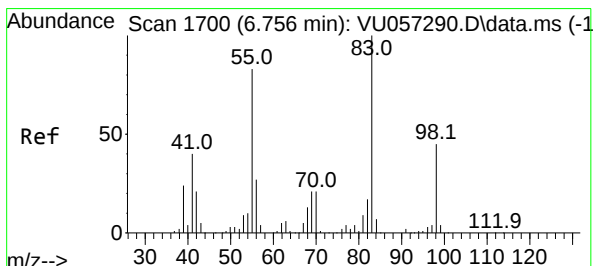
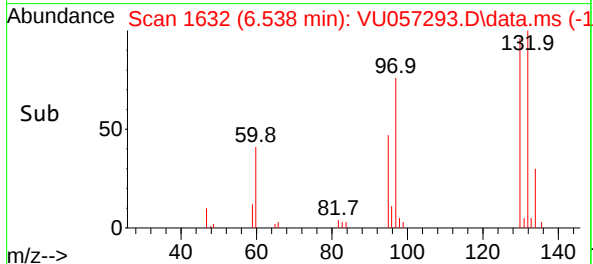
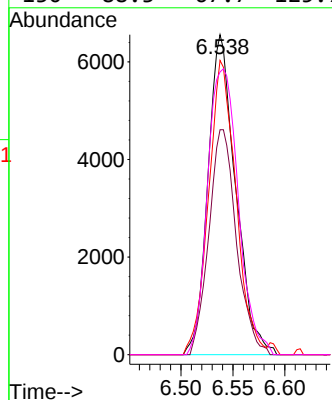
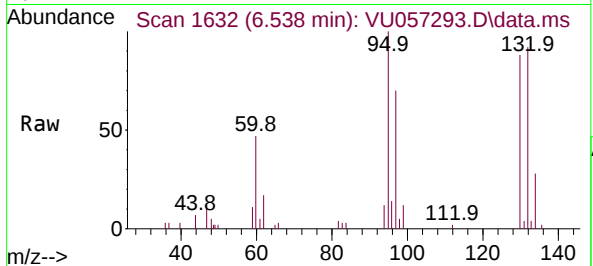




#34  
Trichloroethene  
Concen: 0.616 ug/L  
RT: 6.538 min Scan# 1678  
Delta R.T. 0.003 min  
Lab File: VU057293.D  
Acq: 27 Dec 2023 21:28

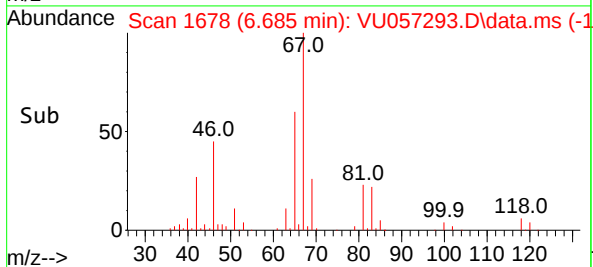
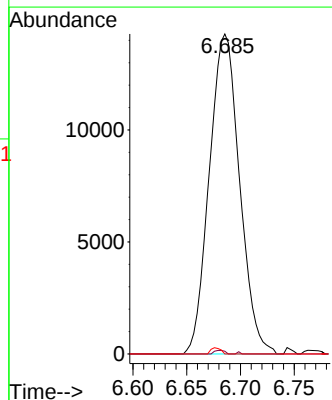
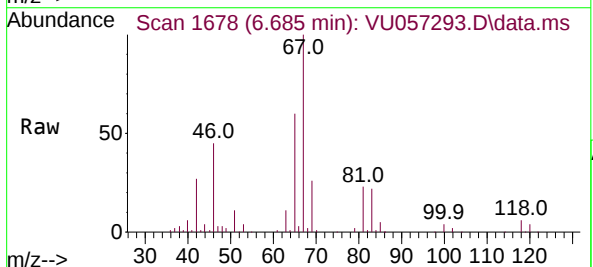
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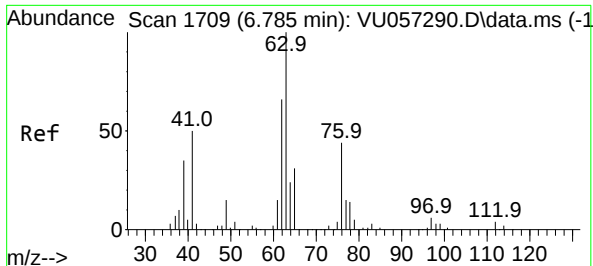
Tgt Ion: 95 Resp: 12157  
Ion Ratio Lower Upper  
95 100  
97 70.3 45.3 84.1  
132 91.9 63.1 117.3  
130 88.3 67.7 125.7



#35  
Methylcyclohexane  
Concen: 1.086 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.071 min  
Lab File: VU057293.D  
Acq: 27 Dec 2023 21:28

Tgt Ion: 83 Resp: 27987  
Ion Ratio Lower Upper  
83 100  
55 0.4 65.4 98.2#  
98 0.6 35.3 52.9#

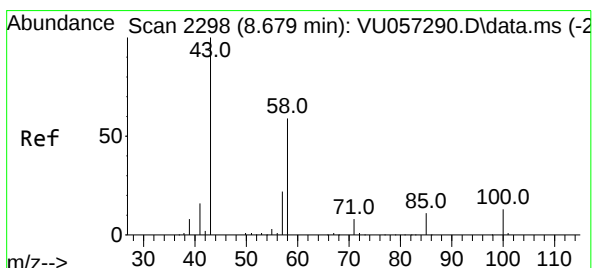
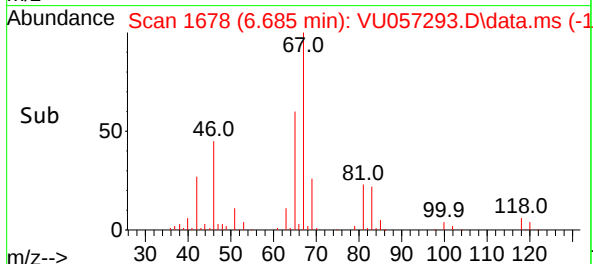
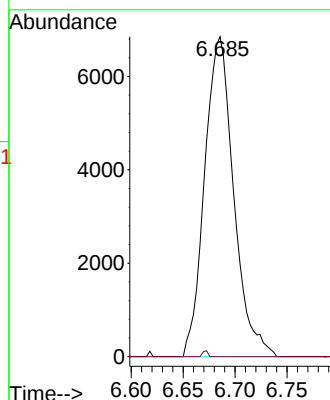
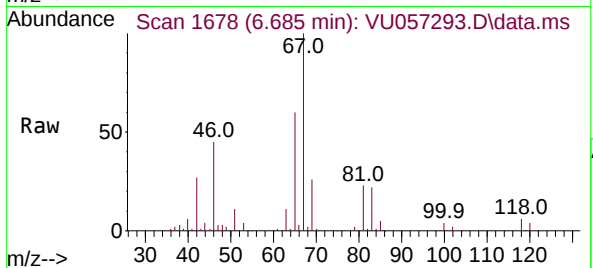




#37  
1,2-Dichloropropane  
Concen: 0.648 ug/L  
RT: 6.685 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU057293.D  
Acq: 27 Dec 2023 21:28

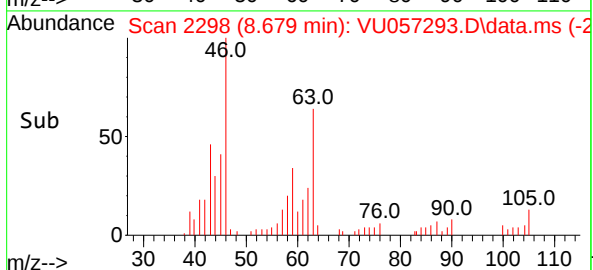
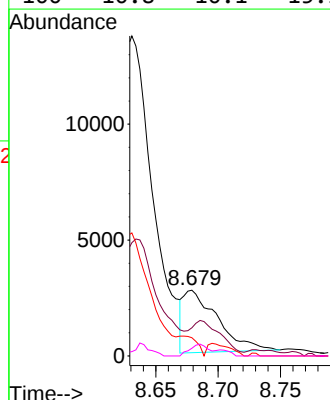
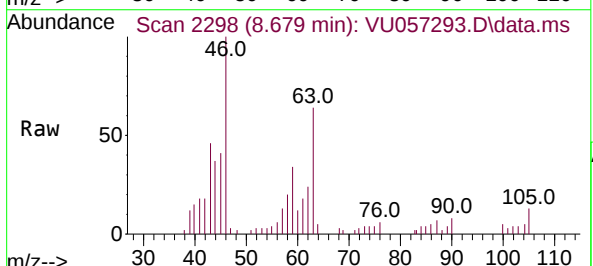
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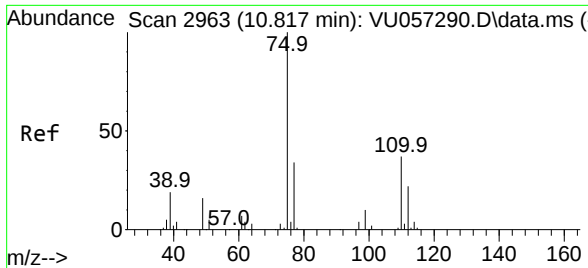
Tgt Ion: 63 Resp: 13336  
Ion Ratio Lower Upper  
63 100  
112 0.3 2.9 4.3#



#48  
2-Hexanone  
Concen: 0.662 ug/L  
RT: 8.679 min Scan# 2298  
Delta R.T. 0.000 min  
Lab File: VU057293.D  
Acq: 27 Dec 2023 21:28

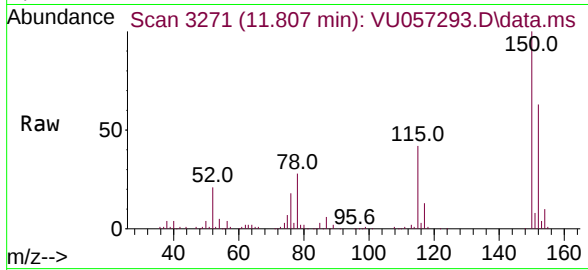
Tgt Ion: 43 Resp: 5122  
Ion Ratio Lower Upper  
43 100  
58 46.8 48.4 72.6#  
57 12.9 17.4 26.2#  
100 10.8 10.1 15.1





#61  
 1,2,3-Trichloropropane  
 Concen: 1.153 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU057293.D  
 Acq: 27 Dec 2023 21:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 12628

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 3.2   | 29.0  | 43.6# |
| 77  | 35.1  | 25.4  | 38.2  |

