

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122823\  
 Data File : VU057346.D  
 Acq On : 28 Dec 2023 20:23  
 Operator : MD/SY  
 Sample : 06021-07DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 28 21:40:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 28 21:37:03 2023  
 Response via : Initial Calibration

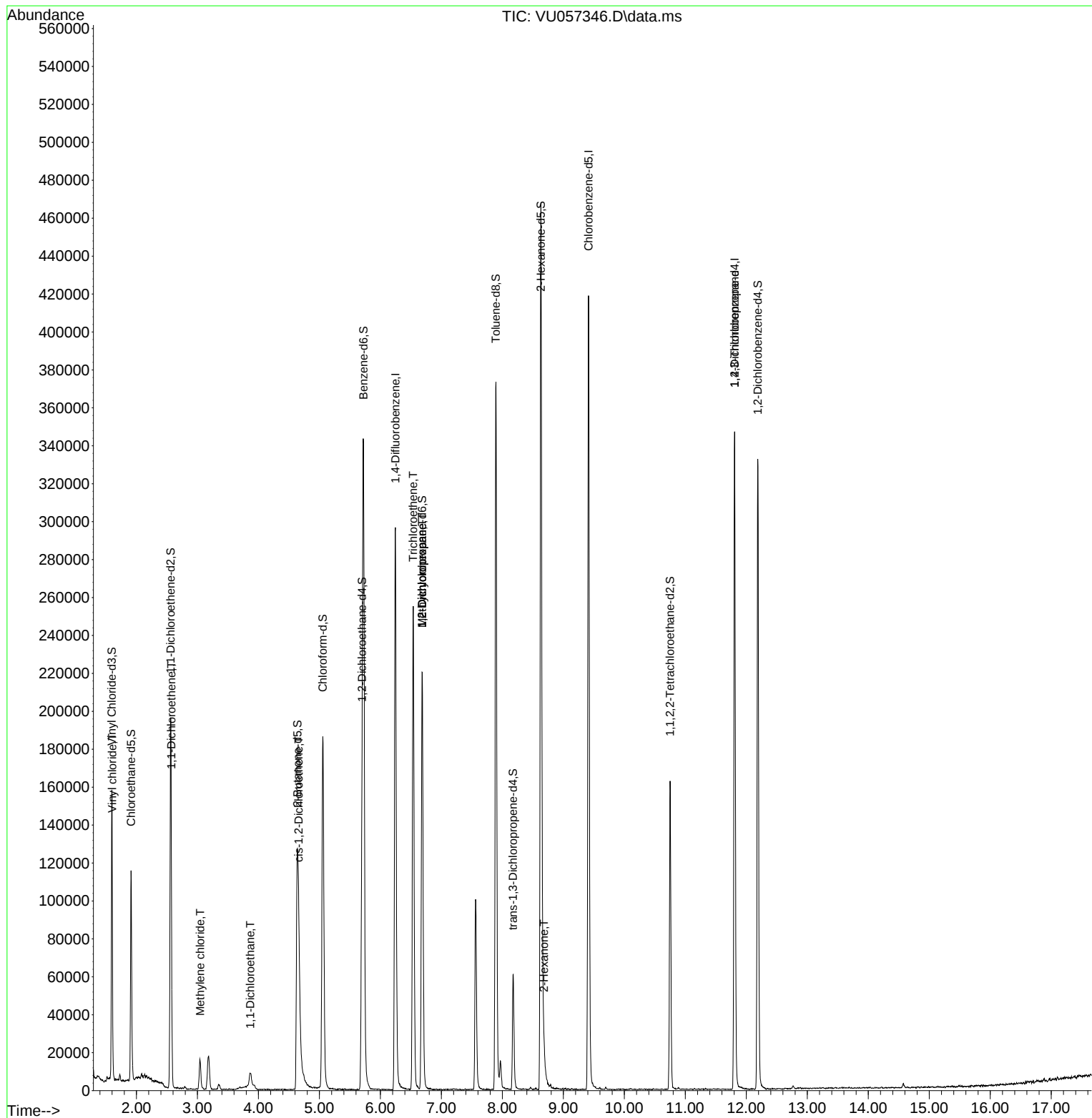
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 234120   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 238671   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 92422    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 95844    | 4.762    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.200%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 83734    | 5.180    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.600% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 37804    | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.400%  |
| 20) 2-Butanone-d5             | 4.637  | 46    | 215789   | 47.337   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.680%  |
| 24) Chloroform-d              | 5.055  | 84    | 179496   | 5.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.400% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 91799    | 5.019    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 32) Benzene-d6                | 5.721  | 84    | 330819   | 4.862    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 109334   | 5.128    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.891  | 98    | 252714   | 4.306    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 37391    | 4.371    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 156669   | 40.437   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 80.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 81137    | 4.532    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 87444    | 5.196    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.000% |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.602  | 62    | 17212    | 0.881    | ug/L   | 88       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 2475     | 0.162    | ug/L # | 1        |
| 16) Methylene chloride        | 3.043  | 84    | 7776     | 0.394    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.866  | 63    | 9398     | 0.295    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 15685    | 0.894    | ug/L   | 96       |
| 34) Trichloroethene           | 6.538  | 95    | 93867    | 5.123    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.682  | 83    | 24811    | 1.037    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 11859    | 0.620    | ug/L # | 90       |
| 48) 2-Hexanone                | 8.682  | 43    | 5677     | 0.790    | ug/L # | 44       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 11899    | 1.233    | ug/L # | 68       |

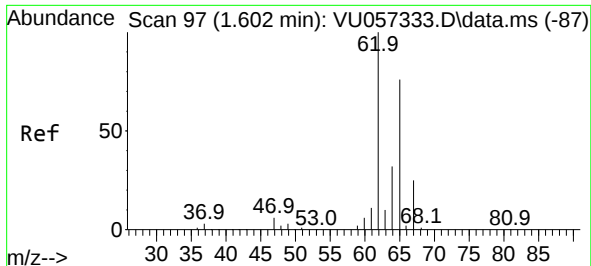
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :

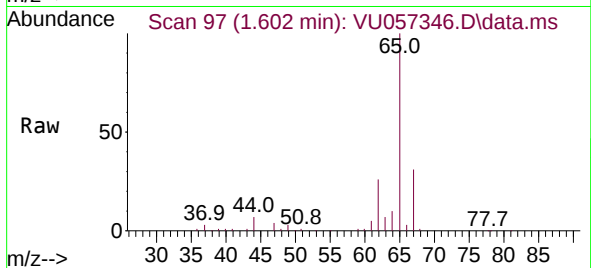
Quant Time: Dec 28 21:40:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122723WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 28 21:37:03 2023  
Response via : Initial Calibration



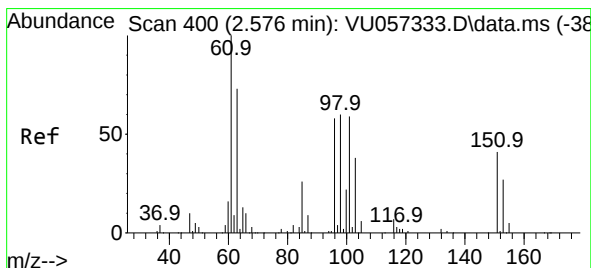
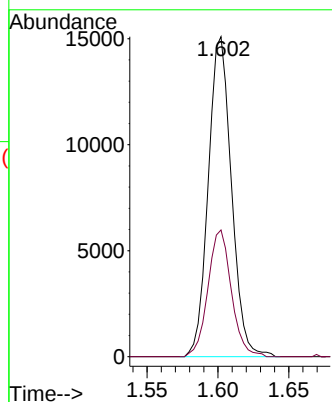
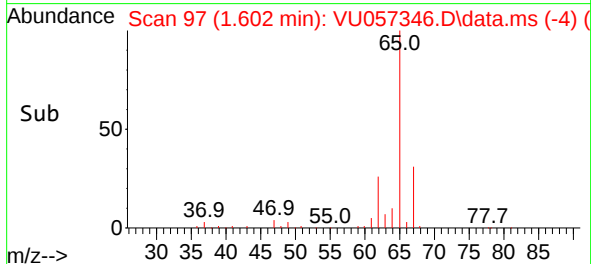


#5  
 Vinyl chloride  
 Concen: 0.881 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU057346.D  
 Acq: 28 Dec 2023 20:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :

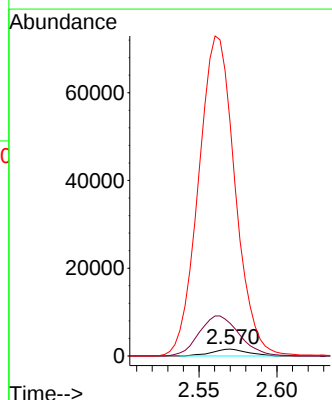
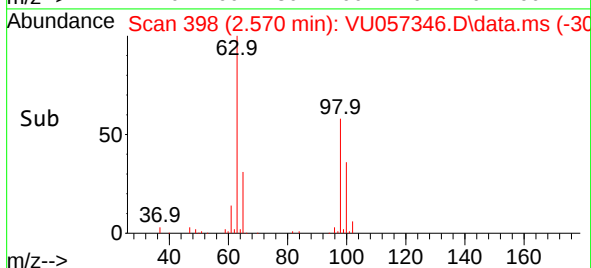
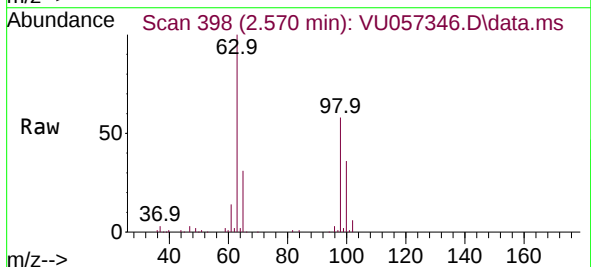


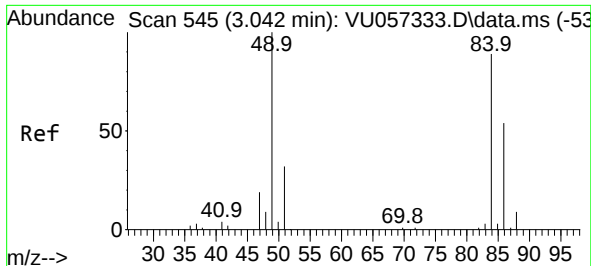
Tgt Ion: 62 Resp: 17212  
 Ion Ratio Lower Upper  
 62 100  
 64 39.6 22.8 42.4



#12  
 1,1-Dichloroethene  
 Concen: 0.162 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.006 min  
 Lab File: VU057346.D  
 Acq: 28 Dec 2023 20:23

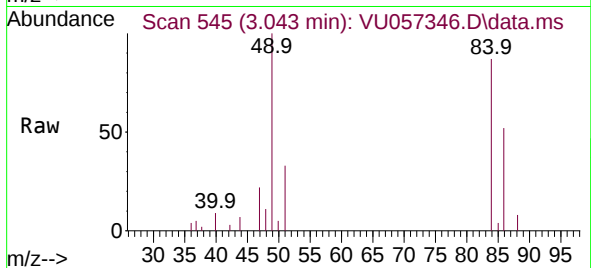
Tgt Ion: 96 Resp: 2475  
 Ion Ratio Lower Upper  
 96 100  
 61 470.2 122.2 226.9#  
 63 3363.5 99.2 184.2#



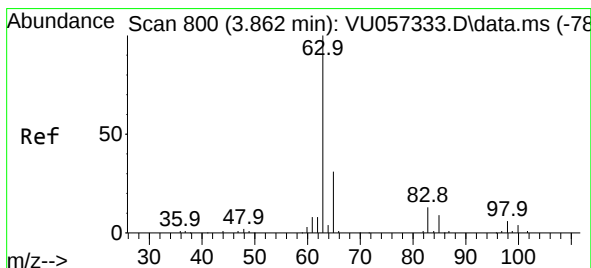
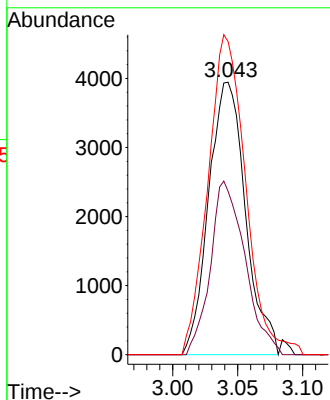
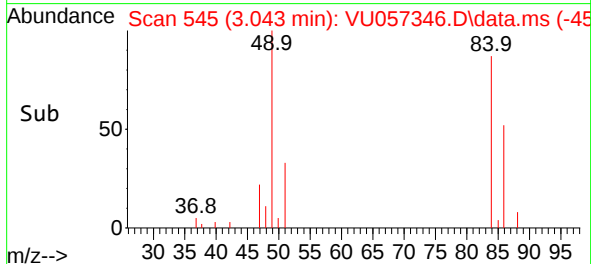


#16  
Methylene chloride  
Concen: 0.394 ug/L  
RT: 3.043 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23

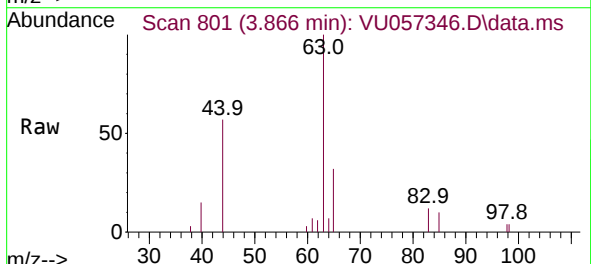
Instrument :  
MSVOA\_U  
ClientSampleId :



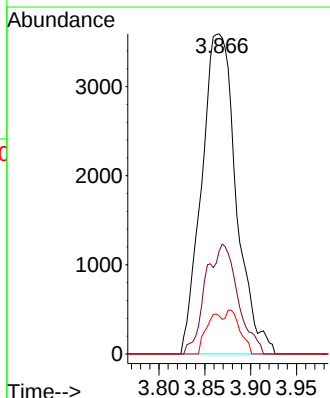
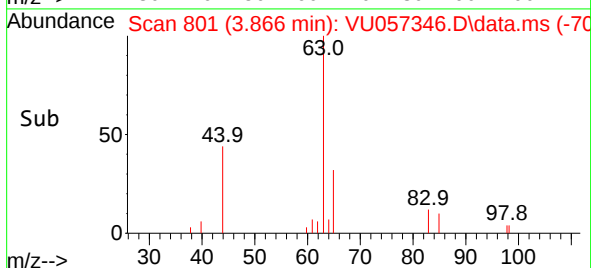
Tgt Ion: 84 Resp: 7776  
Ion Ratio Lower Upper  
84 100  
86 60.0 43.8 81.3  
49 115.0 83.2 154.4

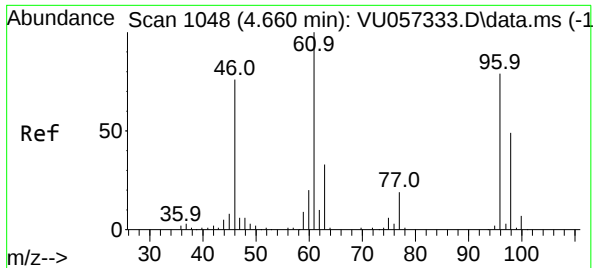


#19  
1,1-Dichloroethane  
Concen: 0.295 ug/L  
RT: 3.866 min Scan# 801  
Delta R.T. 0.003 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23



Tgt Ion: 63 Resp: 9398  
Ion Ratio Lower Upper  
63 100  
65 32.2 23.6 43.8  
83 11.9 9.8 18.2

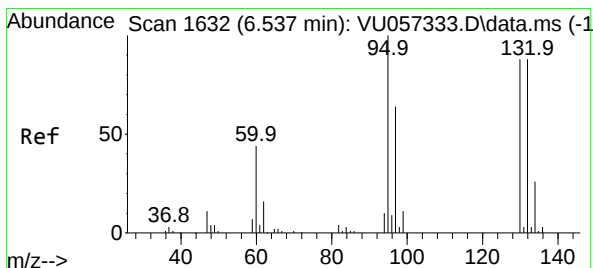
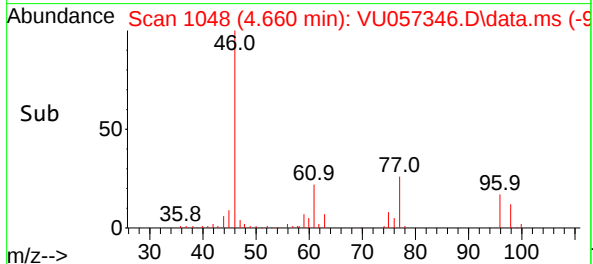
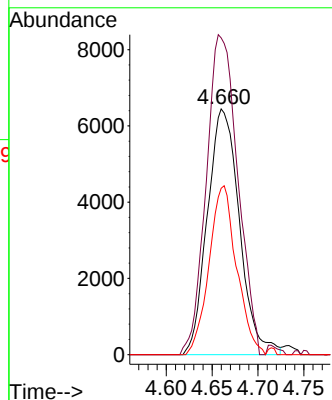
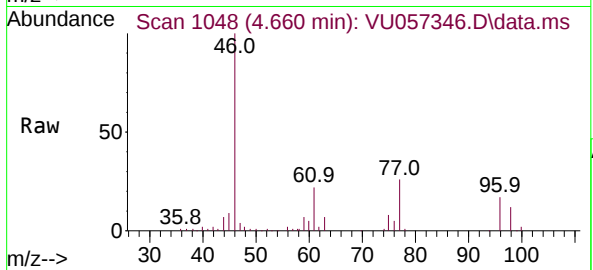




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.894 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.000 min  
 Lab File: VU057346.D  
 Acq: 28 Dec 2023 20:23

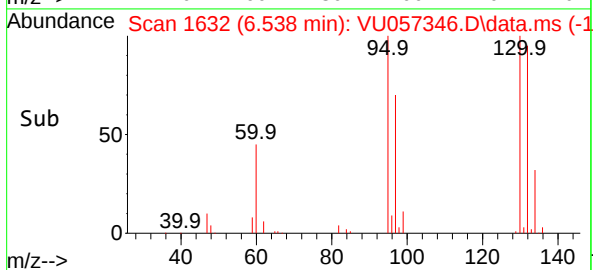
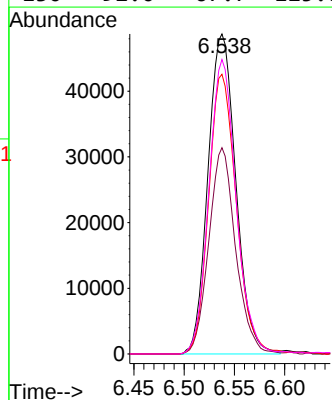
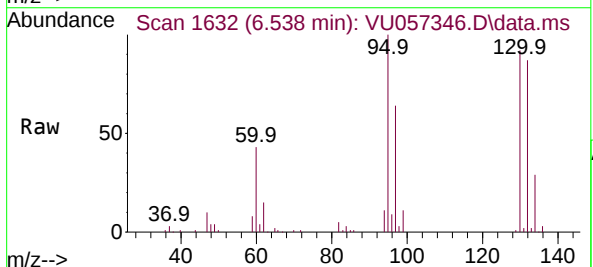
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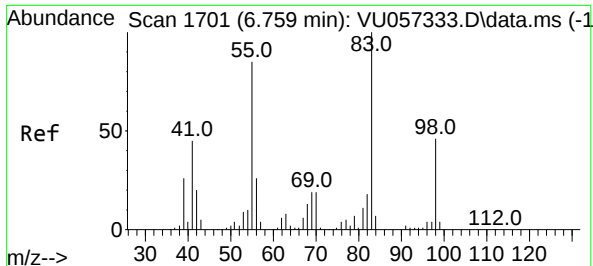
Tgt Ion: 96 Resp: 15685  
 Ion Ratio Lower Upper  
 96 100  
 61 128.8 91.1 169.3  
 98 67.7 42.6 79.0



#34  
 Trichloroethene  
 Concen: 5.123 ug/L  
 RT: 6.538 min Scan# 1632  
 Delta R.T. 0.000 min  
 Lab File: VU057346.D  
 Acq: 28 Dec 2023 20:23

Tgt Ion: 95 Resp: 93867  
 Ion Ratio Lower Upper  
 95 100  
 97 64.4 45.3 84.1  
 132 87.4 63.1 117.3  
 130 92.0 67.7 125.7

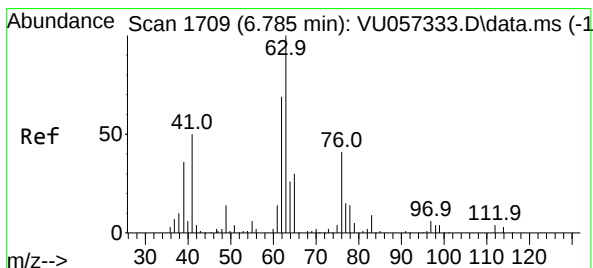
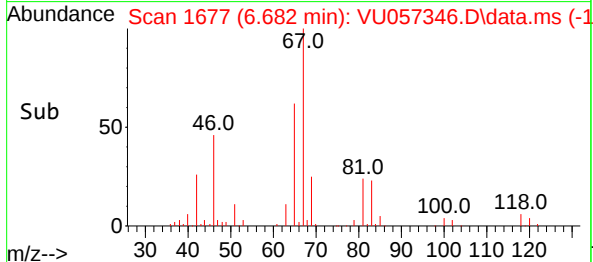
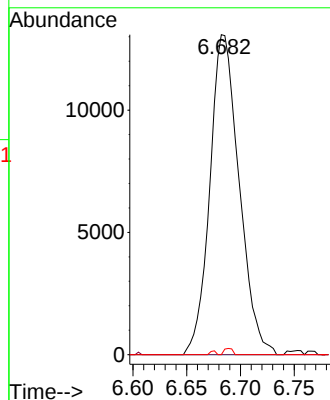
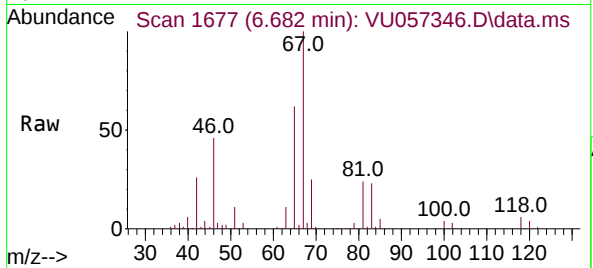




#35  
Methylcyclohexane  
Concen: 1.037 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.077 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23

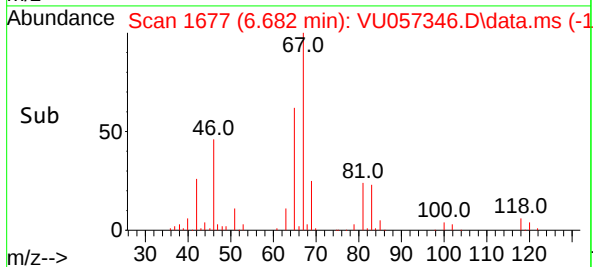
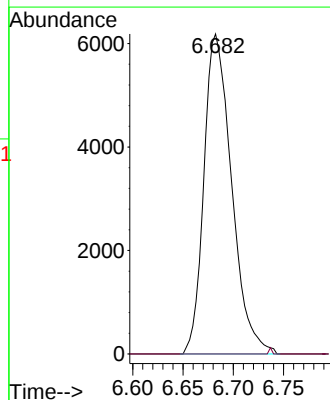
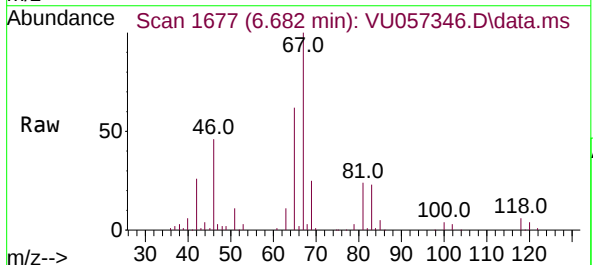
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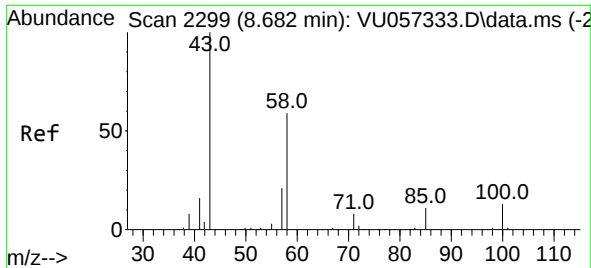
Tgt Ion: 83 Resp: 24811  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.4 98.2#  
98 0.2 35.3 52.9#



#37  
1,2-Dichloropropane  
Concen: 0.620 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.103 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23

Tgt Ion: 63 Resp: 11859  
Ion Ratio Lower Upper  
63 100  
112 0.2 2.9 4.3#

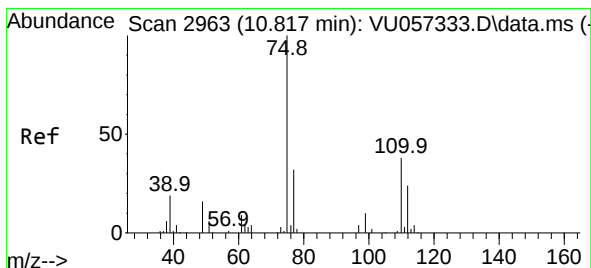
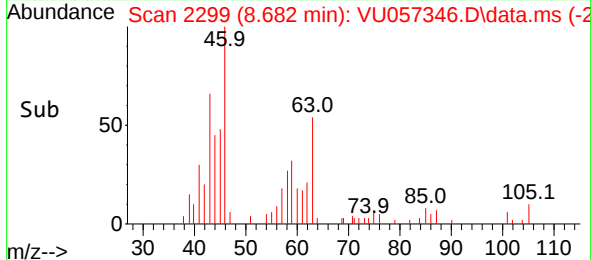
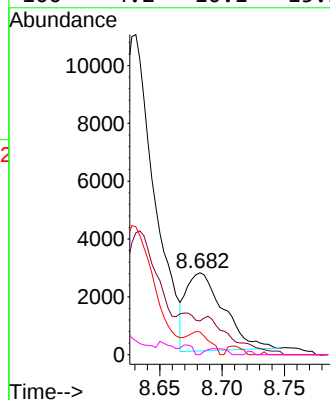
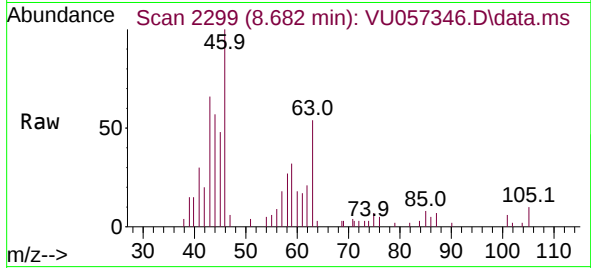




#48  
2-Hexanone  
Concen: 0.790 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23

Instrument :  
MSVOA\_U  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 5677  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 0.0      | 48.4 72.6#  |
| 57 16.3     | 17.4 26.2#  |
| 100 4.2     | 10.1 15.1#  |



#61  
1,2,3-Trichloropropane  
Concen: 1.233 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU057346.D  
Acq: 28 Dec 2023 20:23

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 11899 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 2.6     | 29.0 43.6#  |
| 77 33.6     | 25.4 38.2   |

