

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122222\  
 Data File : VU052499.D  
 Acq On : 22 Dec 2022 18:14  
 Operator : JC/MD  
 Sample : N6188-07 50X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COL44DL

Quant Time: Dec 23 00:33:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 22 00:28:27 2022  
 Response via : Initial Calibration

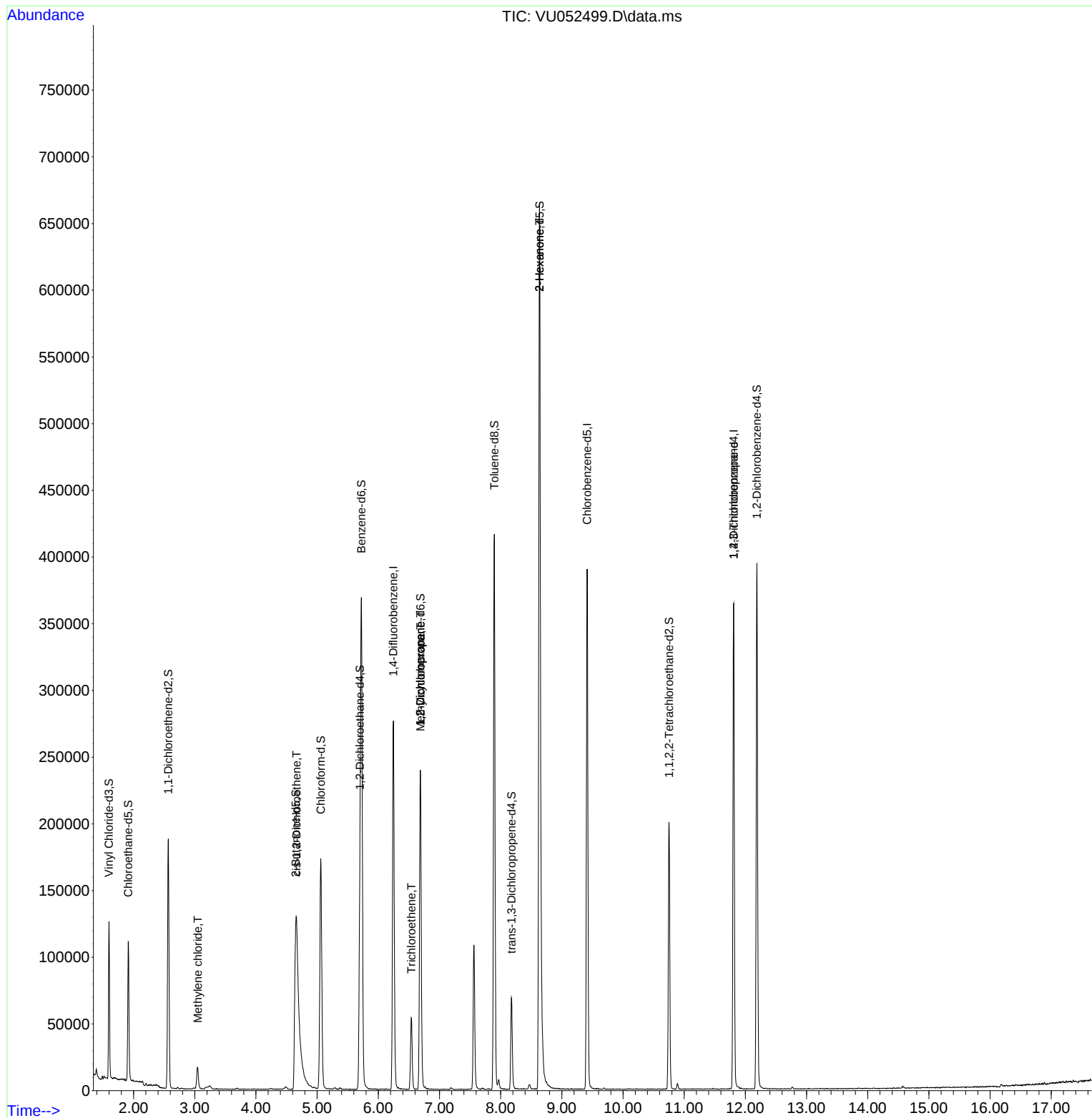
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 216705   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 209830   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 92528    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 84597    | 3.853  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 77.000%  |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 80737    | 4.264  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 85.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 36930    | 3.909  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 78.200%  |          |
| 20) 2-Butanone-d5             | 4.652  | 46             | 354223   | 52.029 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 104.060% |          |
| 24) Chloroform-d              | 5.060  | 84             | 164697   | 4.446  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 98154    | 4.568  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 91.400%  |          |
| 32) Benzene-d6                | 5.723  | 84             | 339935   | 4.725  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 94.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 119104   | 4.810  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 96.200%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 271488   | 4.495  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 90.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 40468    | 4.772  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 95.400%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 253757   | 54.696 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 109.400% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 103695   | 4.932  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 98.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152            | 99983    | 5.308  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 106.200% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 16) Methylene chloride        | 3.047  | 84             | 7693     | 0.336  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 13073    | 0.712  | ug/L     | 89       |
| 34) Trichloroethene           | 6.539  | 95             | 18691    | 1.058  | ug/L     | 94       |
| 35) Methylcyclohexane         | 6.690  | 83             | 26173    | 0.982  | ug/L #   | 14       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 11907    | 0.565  | ug/L #   | 88       |
| 48) 2-Hexanone                | 8.632  | 43             | 37032    | 3.188  | ug/L #   | 79       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75             | 12893    | 0.972  | ug/L #   | 68       |
| -----                         |        |                |          |        |          |          |

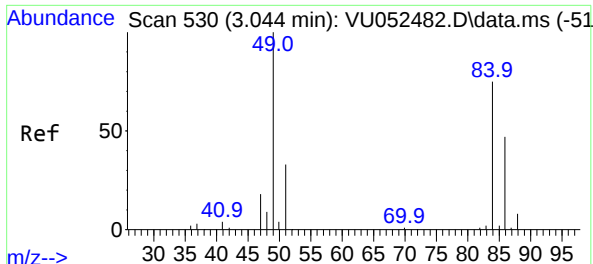
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 22 00:28:27 2022  
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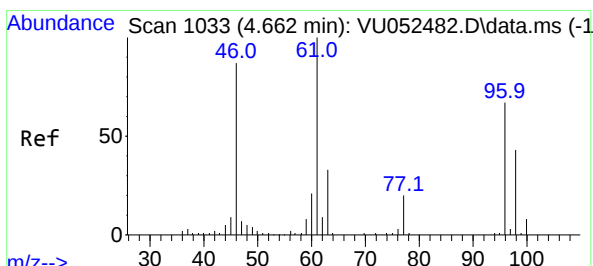
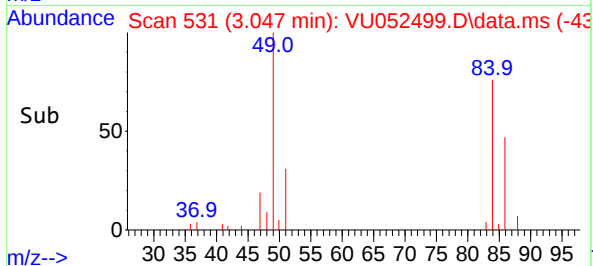
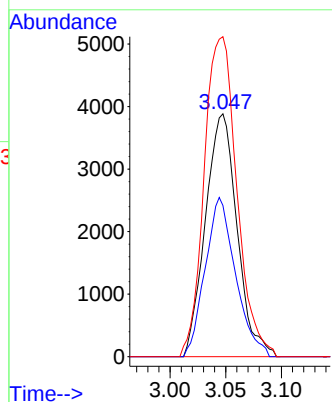
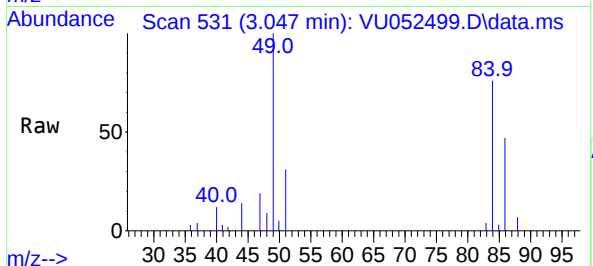


#16  
Methylene chloride  
Concen: 0.336 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
COL44DL

Tgt Ion: 84 Resp: 7693

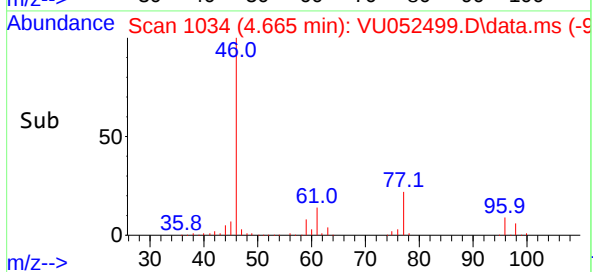
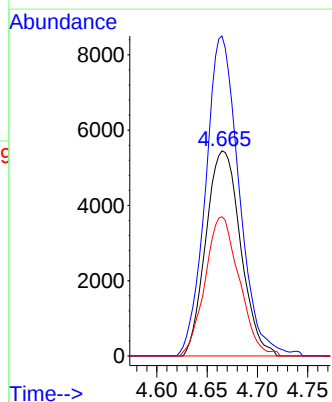
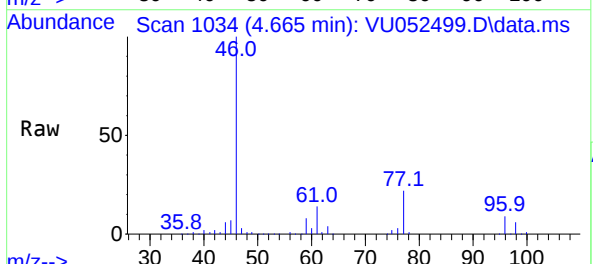
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 62.2  | 44.7  | 83.1  |
| 49  | 131.7 | 93.3  | 173.3 |

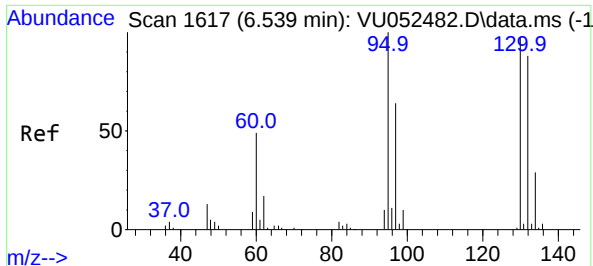


#22  
cis-1,2-Dichloroethene  
Concen: 0.712 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

Tgt Ion: 96 Resp: 13073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 156.0 | 96.9  | 180.1 |
| 98  | 67.9  | 44.7  | 83.1  |

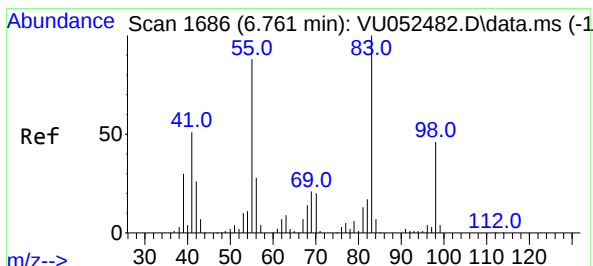
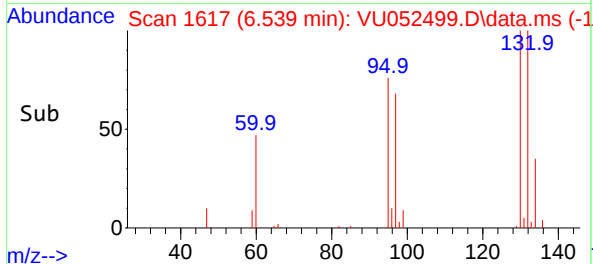
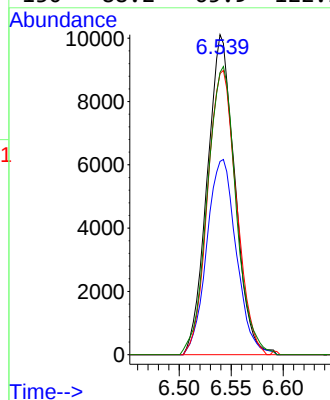
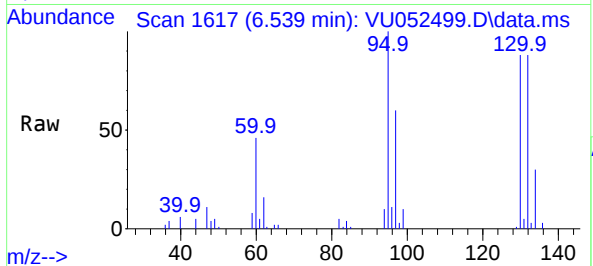




#34  
Trichloroethene  
Concen: 1.058 ug/L  
RT: 6.539 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

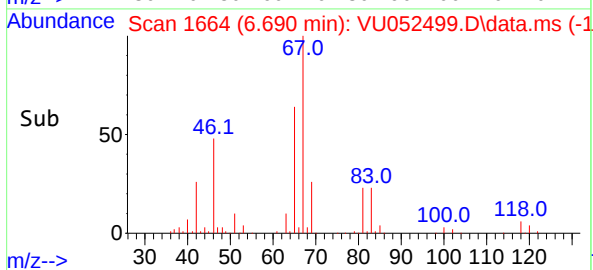
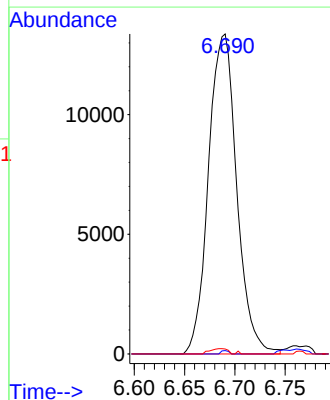
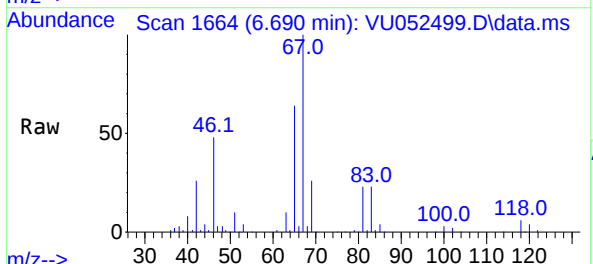
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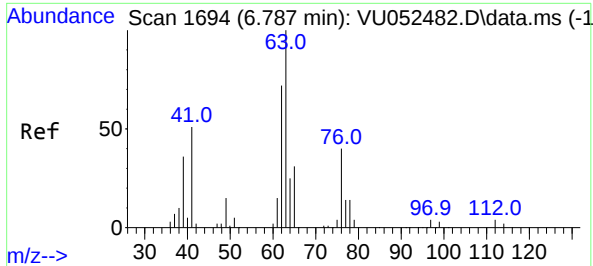
Tgt Ion: 95 Resp: 18691  
Ion Ratio Lower Upper  
95 100  
97 60.4 46.3 86.1  
132 87.9 63.9 118.7  
130 88.2 65.9 122.5



#35  
Methylcyclohexane  
Concen: 0.982 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

Tgt Ion: 83 Resp: 26173  
Ion Ratio Lower Upper  
83 100  
55 0.3 71.4 107.0#  
98 1.0 36.5 54.7#

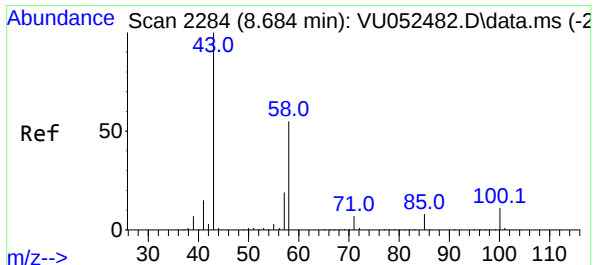
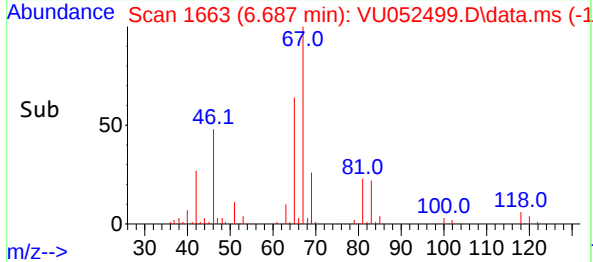
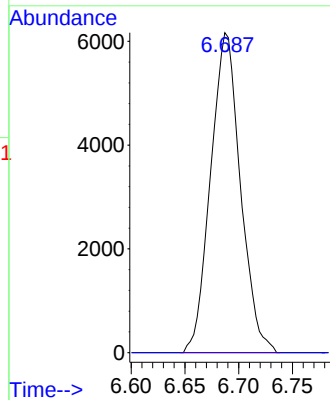
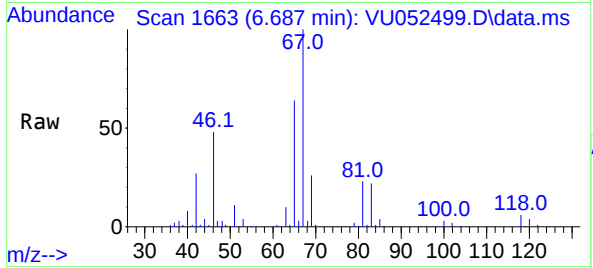




#37  
1,2-Dichloropropane  
Concen: 0.565 ug/L  
RT: 6.687 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

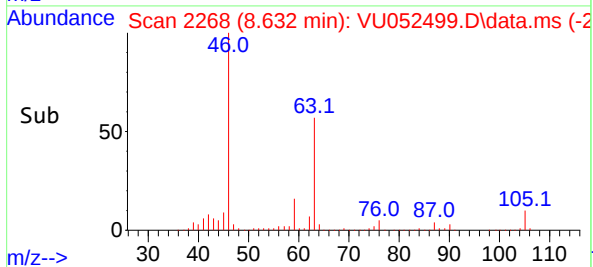
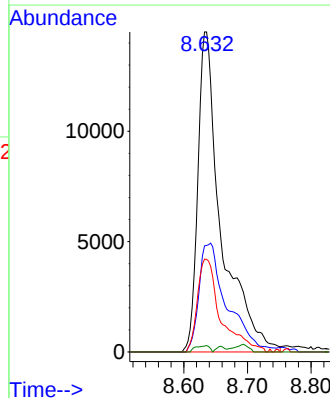
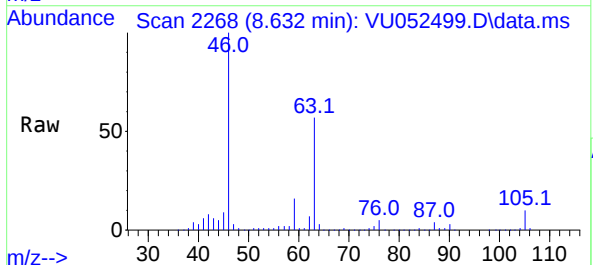
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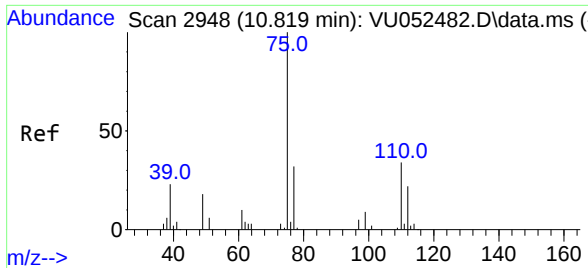
Tgt Ion: 63 Resp: 11907  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



#48  
2-Hexanone  
Concen: 3.188 ug/L  
RT: 8.632 min Scan# 2268  
Delta R.T. -0.052 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

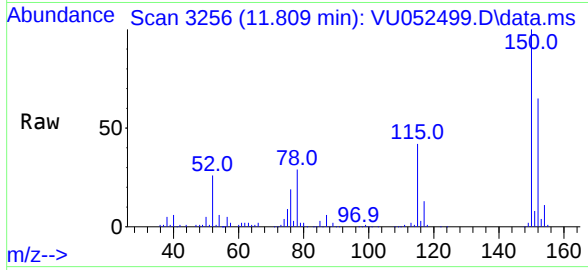
Tgt Ion: 43 Resp: 37032  
Ion Ratio Lower Upper  
43 100  
58 40.8 44.1 66.1#  
57 28.9 14.6 21.8#  
100 1.2 8.5 12.7#





#61  
1,2,3-Trichloropropane  
Concen: 0.972 ug/L  
RT: 11.809 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU052499.D  
Acq: 22 Dec 2022 18:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
COL44DL



Tgt Ion: 75 Resp: 12893

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 1.1   | 27.9  | 41.9# |
| 77  | 30.8  | 25.9  | 38.9  |

