

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122223\  
 Data File : VU057206.D  
 Acq On : 22 Dec 2023 21:47  
 Operator : MD/SY  
 Sample : 05927-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 22 22:53:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 22 22:46:58 2023  
 Response via : Initial Calibration

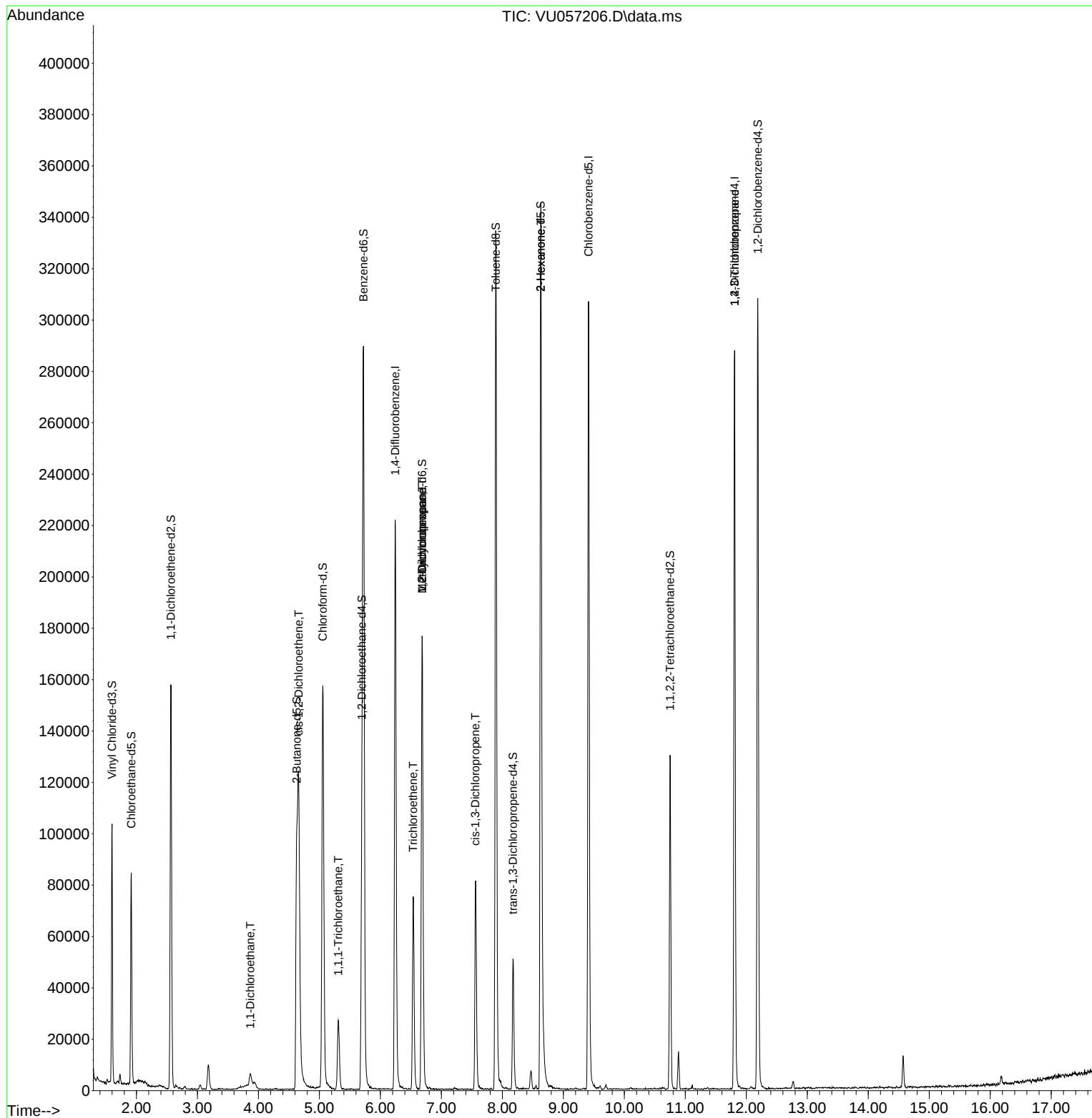
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 177881   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 177939   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 76206    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65             | 71871    | 4.227  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 84.600%  |          |
| 7) Chloroethane-d5            | 1.914  | 69             | 62935    | 4.497  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 90.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 29540    | 4.010  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 80.200%  |          |
| 20) 2-Butanone-d5             | 4.628  | 46             | 146928   | 55.041 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 110.080% |          |
| 24) Chloroform-d              | 5.055  | 84             | 155240   | 4.728  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 94.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 74463    | 4.759  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 95.200%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 272388   | 4.463  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 84869    | 4.887  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 97.800%  |          |
| 41) Toluene-d8                | 7.891  | 98             | 228477   | 4.100  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 82.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 31391    | 4.342  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 86.800%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 118366   | 48.087 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 96.180%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84             | 62579    | 5.064  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 81798    | 4.988  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 99.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 19) 1,1-Dichloroethane        | 3.866  | 63             | 5558     | 0.216  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96             | 48862    | 3.421  | ug/L     | 97       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97             | 20039    | 0.709  | ug/L     | 98       |
| 34) Trichloroethene           | 6.538  | 95             | 26682    | 1.618  | ug/L     | 98       |
| 35) Methylcyclohexane         | 6.685  | 83             | 21784    | 1.003  | ug/L #   | 19       |
| 37) 1,2-Dichloropropane       | 6.685  | 63             | 10148    | 0.723  | ug/L #   | 89       |
| 39) cis-1,3-Dichloropropene   | 7.557  | 75             | 2536     | 0.120  | ug/L #   | 74       |
| 48) 2-Hexanone                | 8.631  | 43             | 15374    | 3.426  | ug/L #   | 77       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 9196     | 1.295  | ug/L #   | 66       |
| -----                         |        |                |          |        |          |          |

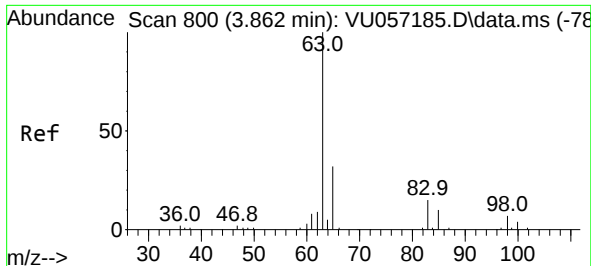
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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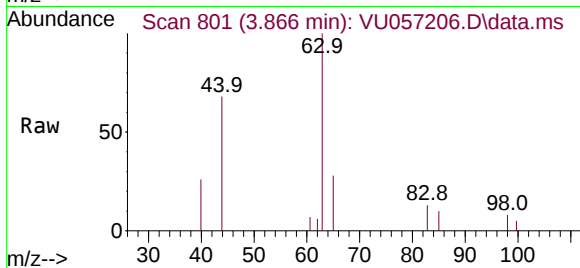
Quant Time: Dec 22 22:53:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 22 22:46:58 2023  
Response via : Initial Calibration



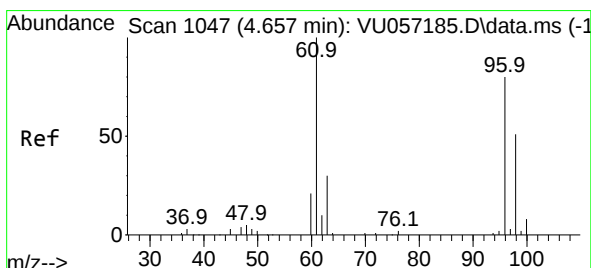
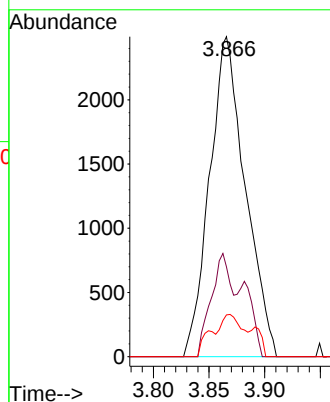
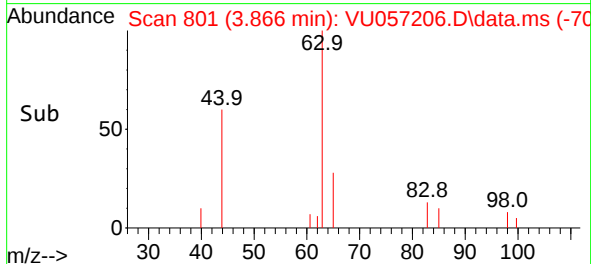


#19  
1,1-Dichloroethane  
Concen: 0.216 ug/L  
RT: 3.866 min Scan# 801  
Delta R.T. 0.003 min  
Lab File: VU057206.D  
Acq: 22 Dec 2023 21:47

Instrument :  
MSVOA\_U  
ClientSampleId :

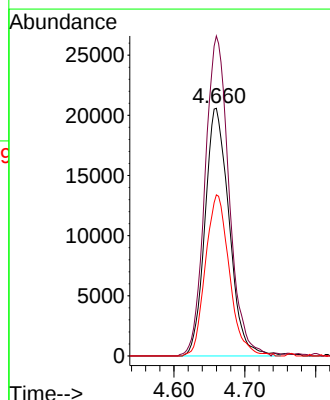
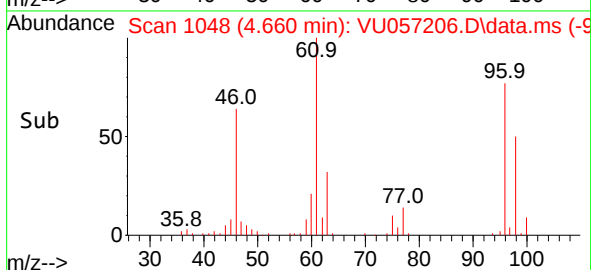
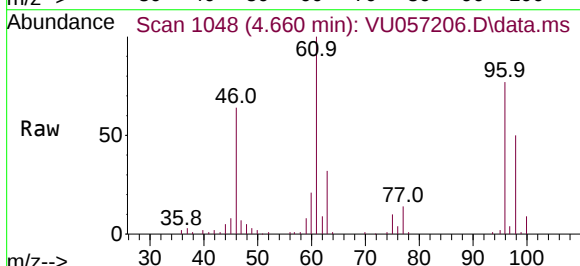


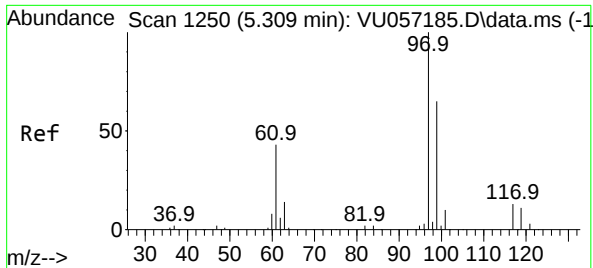
Tgt Ion: 63 Resp: 5558  
Ion Ratio Lower Upper  
63 100  
65 28.1 21.6 40.2  
83 13.0 10.2 19.0



#22  
cis-1,2-Dichloroethene  
Concen: 3.421 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU057206.D  
Acq: 22 Dec 2023 21:47

Tgt Ion: 96 Resp: 48862  
Ion Ratio Lower Upper  
96 100  
61 129.2 86.8 161.2  
98 65.0 45.5 84.5

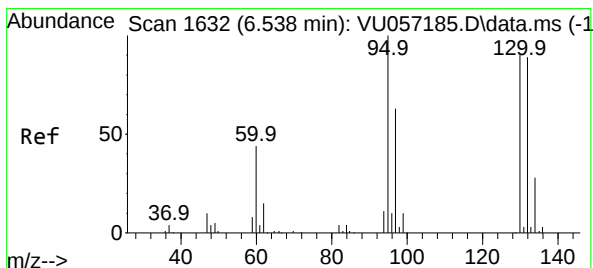
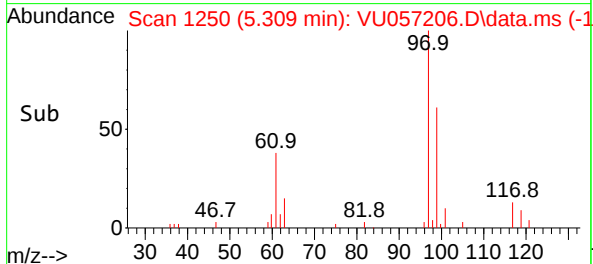
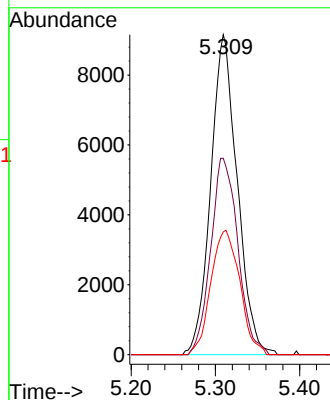
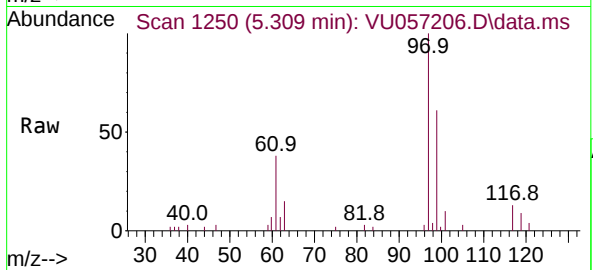




#29  
1,1,1-Trichloroethane  
Concen: 0.709 ug/L  
RT: 5.309 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU057206.D  
Acq: 22 Dec 2023 21:47

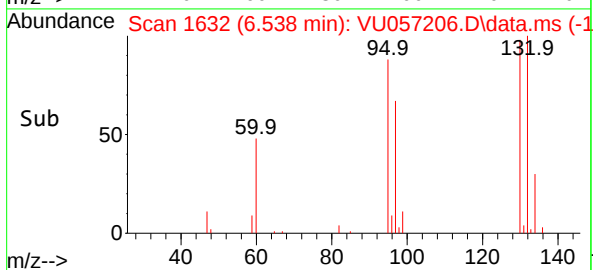
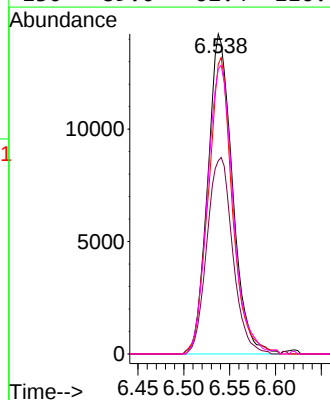
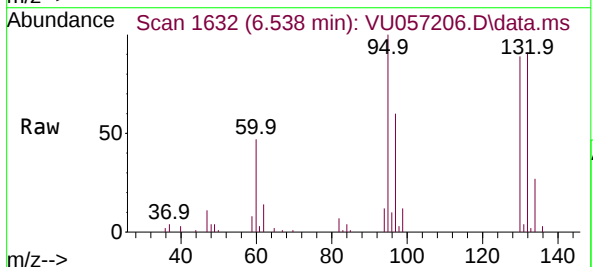
Instrument :  
MSVOA\_U  
ClientSampleId :

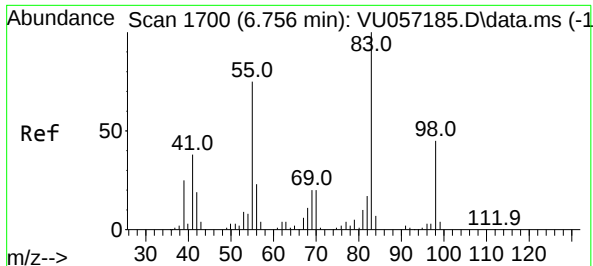
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 20039 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 51.2  | 76.8  |
| 61       | 42.5  | 32.5  | 48.7  |



#34  
Trichloroethene  
Concen: 1.618 ug/L  
RT: 6.538 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU057206.D  
Acq: 22 Dec 2023 21:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 26682 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 60.4  | 44.3  | 82.3  |
| 132      | 90.5  | 62.6  | 116.2 |
| 130      | 89.0  | 62.4  | 116.0 |





#35

Methylcyclohexane

Concen: 1.003 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU057206.D

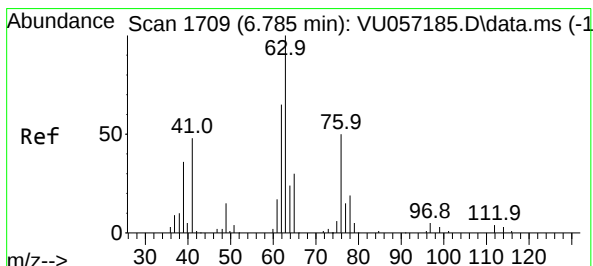
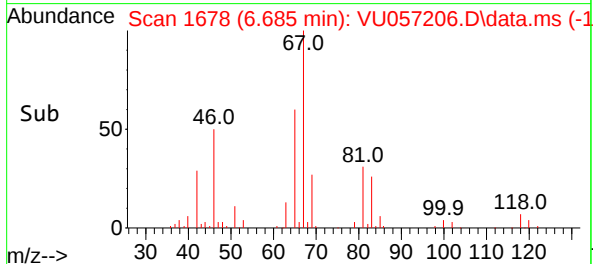
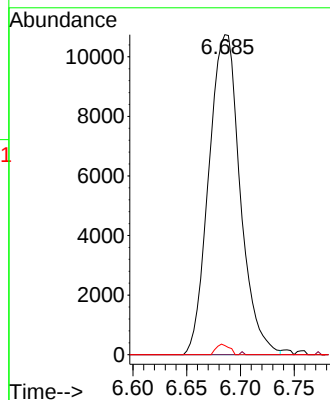
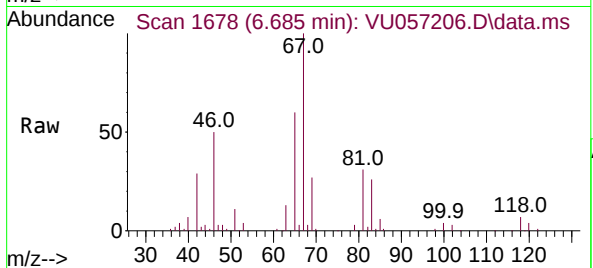
Acq: 22 Dec 2023 21:47

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 21784 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.1      | 61.3 91.9#  |
| 98 1.4      | 36.6 55.0#  |



#37

1,2-Dichloropropane

Concen: 0.723 ug/L

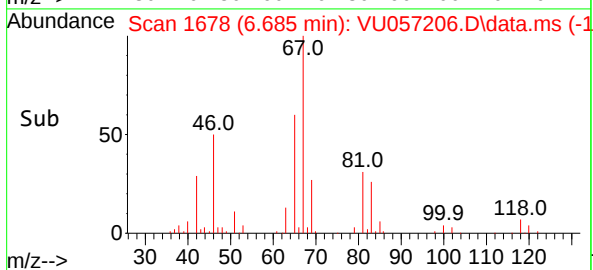
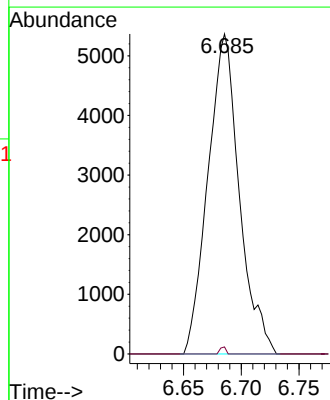
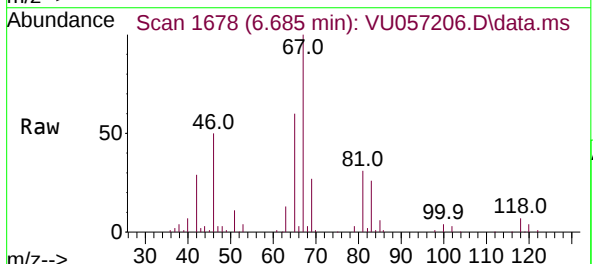
RT: 6.685 min Scan# 1678

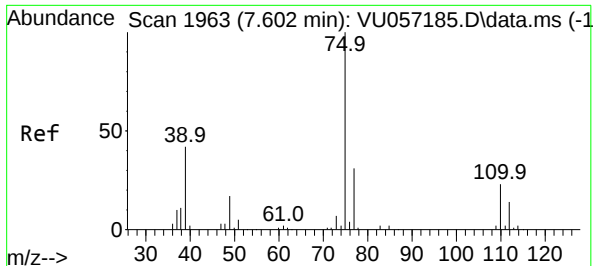
Delta R.T. -0.100 min

Lab File: VU057206.D

Acq: 22 Dec 2023 21:47

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 10148 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.4     | 3.1 4.7#    |





#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 7.557 min Scan# 1949

Delta R.T. -0.045 min

Lab File: VU057206.D

Acq: 22 Dec 2023 21:47

Instrument :

MSVOA\_U

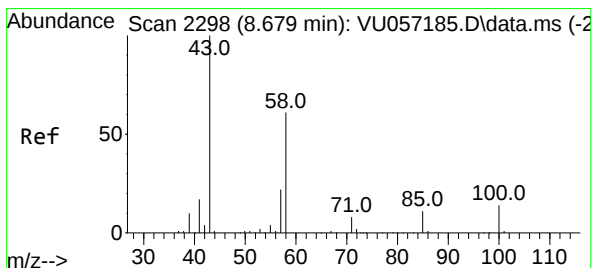
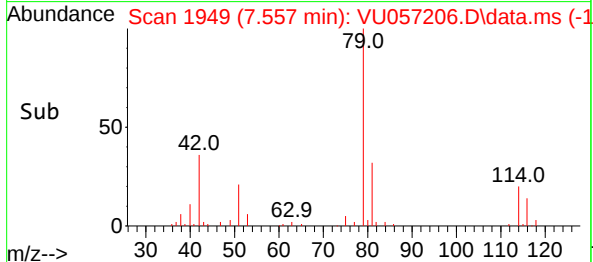
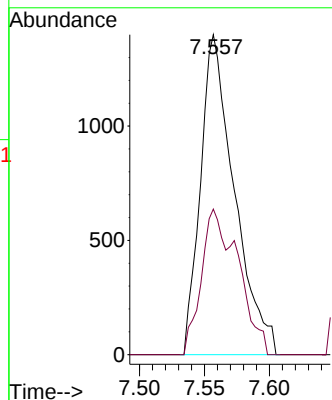
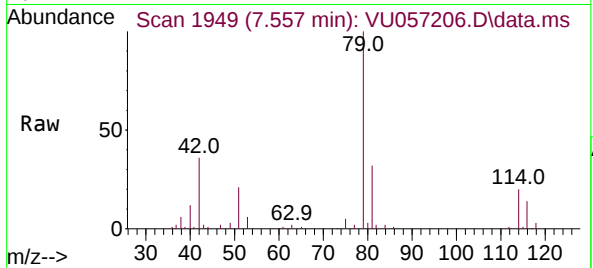
ClientSampleId :

Tgt Ion: 75 Resp: 2536

Ion Ratio Lower Upper

75 100

77 45.5 21.8 40.4#



#48

2-Hexanone

Concen: 3.426 ug/L

RT: 8.631 min Scan# 2283

Delta R.T. -0.048 min

Lab File: VU057206.D

Acq: 22 Dec 2023 21:47

Tgt Ion: 43 Resp: 15374

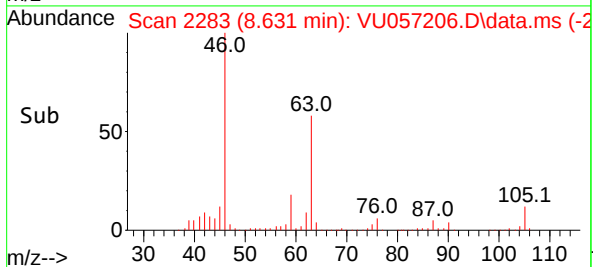
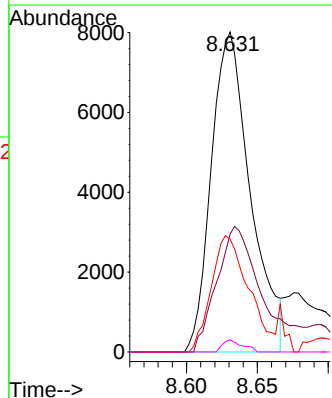
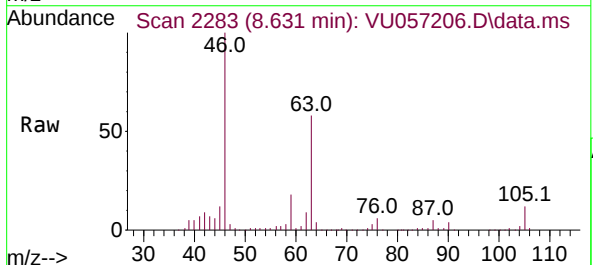
Ion Ratio Lower Upper

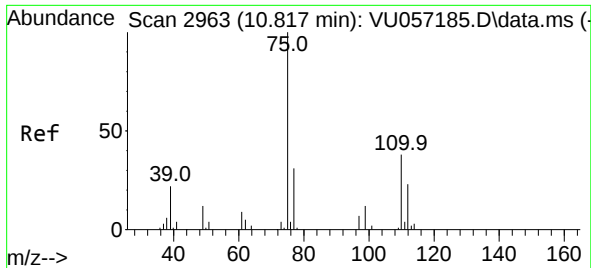
43 100

58 45.4 49.8 74.8#

57 34.4 18.5 27.7#

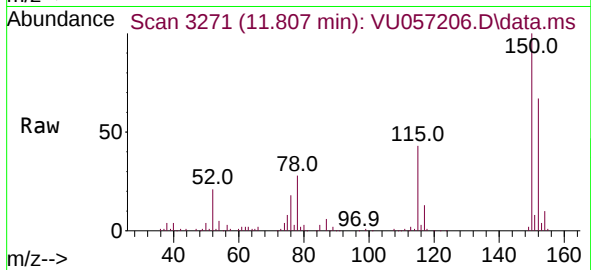
100 1.9 11.1 16.7#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.295 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU057206.D  
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 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 9196  
 Ion Ratio Lower Upper  
 75 100  
 110 3.5 31.2 46.8#  
 77 34.1 25.5 38.3

