

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121422\  
 Data File : VU052402.D  
 Acq On : 14 Dec 2022 15:57  
 Operator : JC/MD  
 Sample : N6034-03DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGPL1DL

Quant Time: Dec 14 21:40:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 14 21:38:14 2022  
 Response via : Initial Calibration

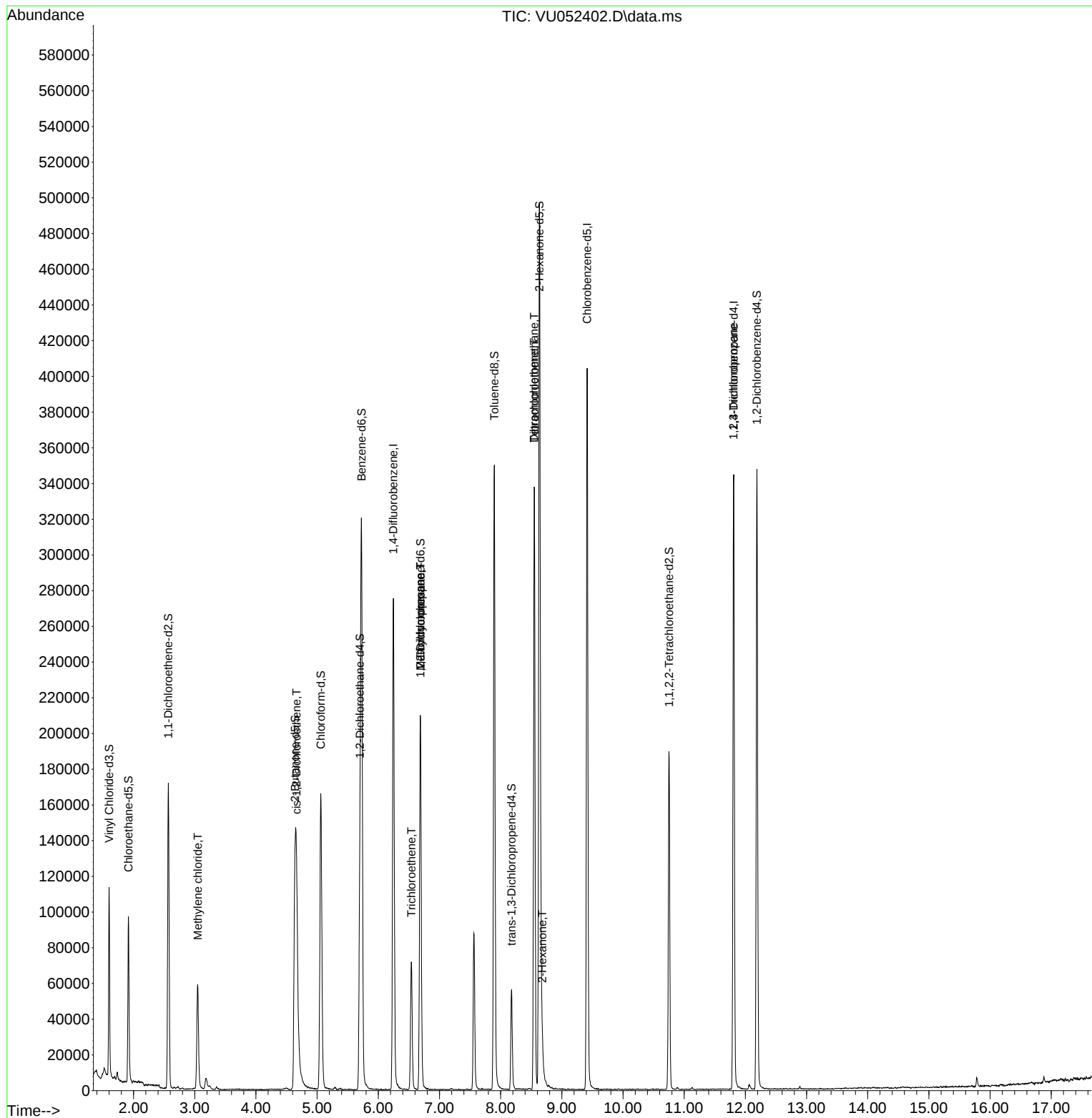
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 228272   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 233499   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 98827    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 76293    | 3.436  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 68.800%  |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 70619    | 4.095  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 81.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 31651    | 3.977  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 79.600%  |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 248758   | 61.807 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 123.620% |          |
| 24) Chloroform-d              | 5.060  | 84             | 160038   | 4.905  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 98.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 84286    | 5.115  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 102.200% |          |
| 32) Benzene-d6                | 5.726  | 84             | 312487   | 4.508  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 90.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 107912   | 5.030  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 100.600% |          |
| 41) Toluene-d8                | 7.896  | 98             | 249612   | 3.980  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 79.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 33474    | 4.282  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 85.600%  |          |
| 46) 2-Hexanone-d5             | 8.632  | 63             | 173074   | 52.239 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 104.480% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 97636    | 5.249  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 105.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152            | 96771    | 5.114  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 102.200% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 16) Methylene chloride        | 3.047  | 84             | 30881    | 1.378  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 24762    | 1.329  | ug/L     | 89       |
| 34) Trichloroethene           | 6.539  | 95             | 25927    | 1.368  | ug/L     | 96       |
| 35) Methylcyclohexane         | 6.687  | 83             | 23463    | 0.861  | ug/L #   | 20       |
| 37) 1,2-Dichloropropane       | 6.690  | 63             | 11121    | 0.565  | ug/L #   | 88       |
| 47) Tetrachloroethene         | 8.549  | 164            | 76670    | 5.278  | ug/L     | 99       |
| 48) 2-Hexanone                | 8.681  | 43             | 6976     | 0.926  | ug/L #   | 75       |
| 49) Dibromochloromethane      | 8.549  | 129            | 74942    | 4.526  | ug/L #   | 12       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75             | 11452    | 1.012  | ug/L #   | 67       |
| -----                         |        |                |          |        |          |          |

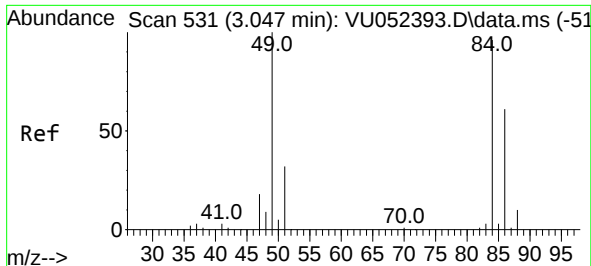
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
BGPL1DL

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Dec 14 21:38:14 2022  
Response via : Initial Calibration

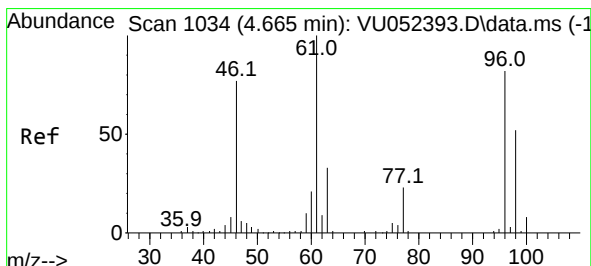
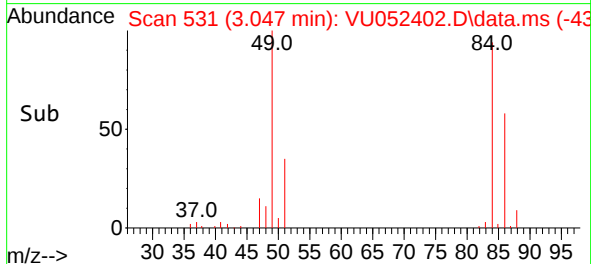
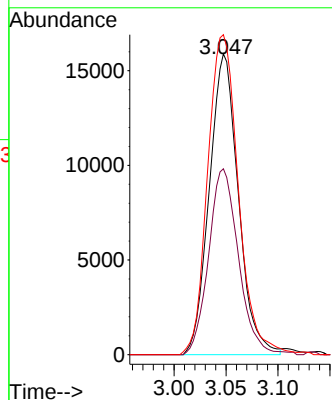
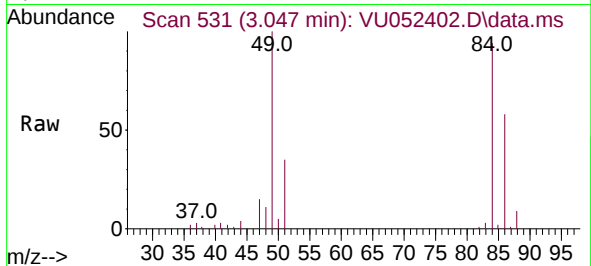




#16  
Methylene chloride  
Concen: 1.378 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

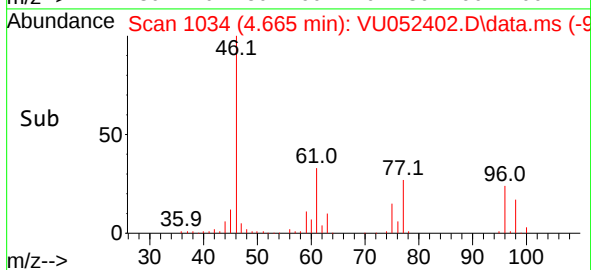
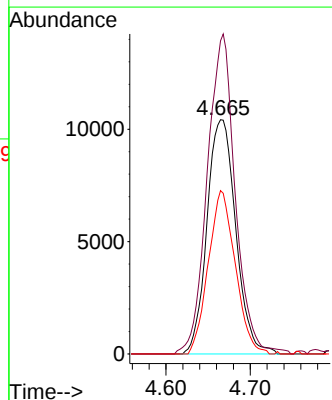
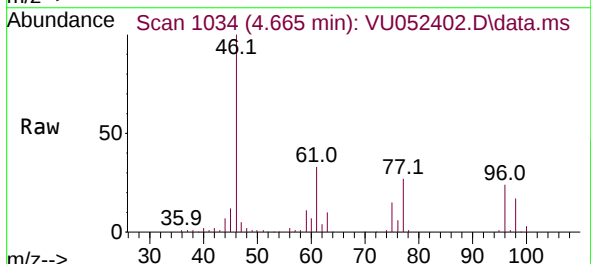
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPL1DL

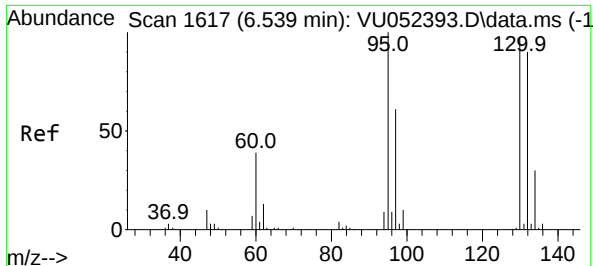
Tgt Ion: 84 Resp: 30881  
Ion Ratio Lower Upper  
84 100  
86 61.8 43.8 81.4  
49 106.4 75.9 141.1



#22  
cis-1,2-Dichloroethene  
Concen: 1.329 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

Tgt Ion: 96 Resp: 24762  
Ion Ratio Lower Upper  
96 100  
61 133.7 85.1 158.1  
98 69.8 42.8 79.6



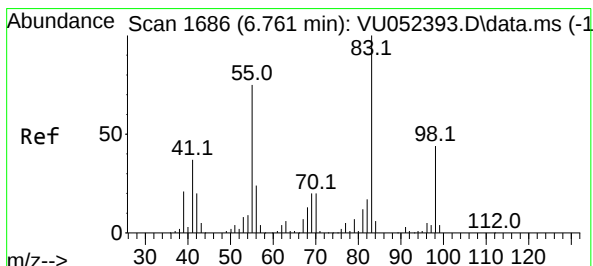
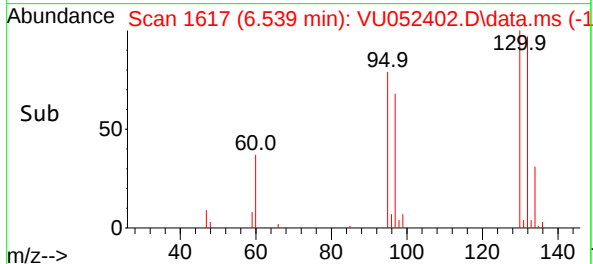
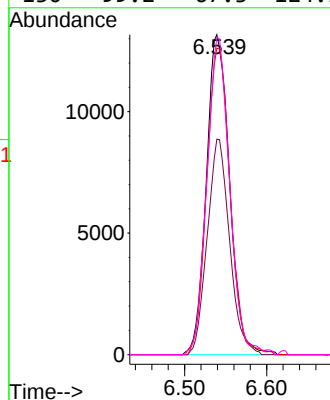
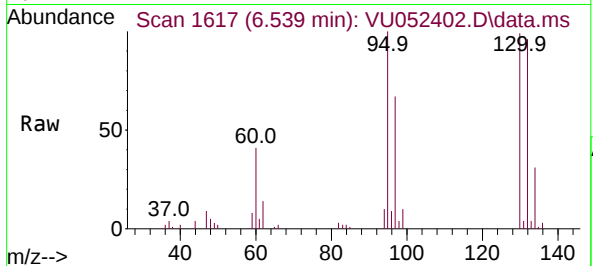


#34  
Trichloroethene  
Concen: 1.368 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGPL1DL

Tgt Ion: 95 Resp: 25927

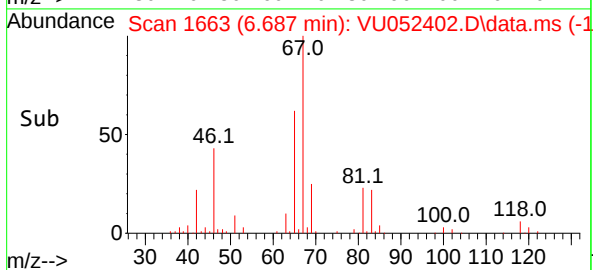
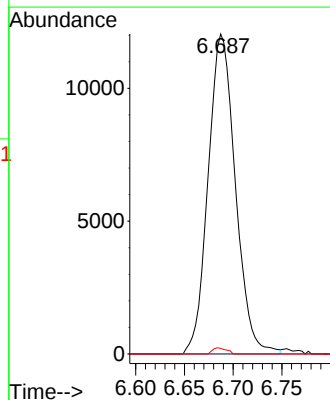
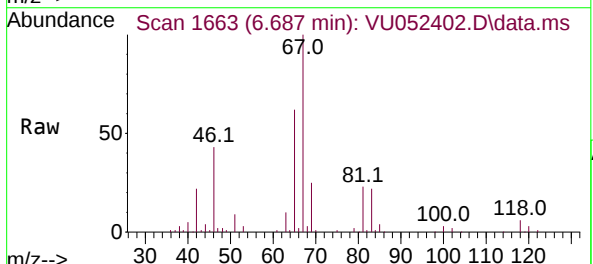
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.3  | 43.7  | 81.1  |
| 132 | 95.9  | 64.3  | 119.3 |
| 130 | 99.2  | 67.3  | 124.9 |

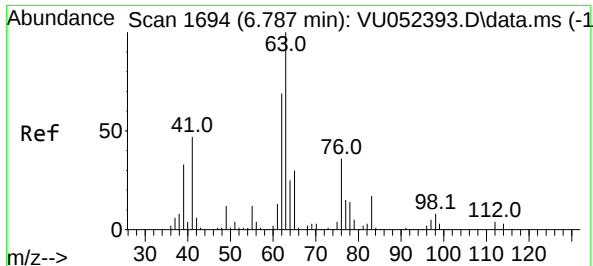


#35  
Methylcyclohexane  
Concen: 0.861 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

Tgt Ion: 83 Resp: 23463

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 60.8  | 91.2# |
| 98  | 1.0   | 35.1  | 52.7# |





#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU052402.D

Acq: 14 Dec 2022 15:57

Instrument :

MSVOA\_U

ClientSampleId :

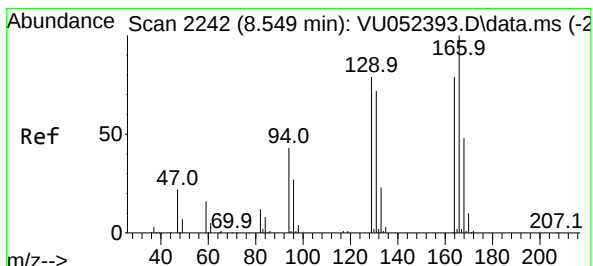
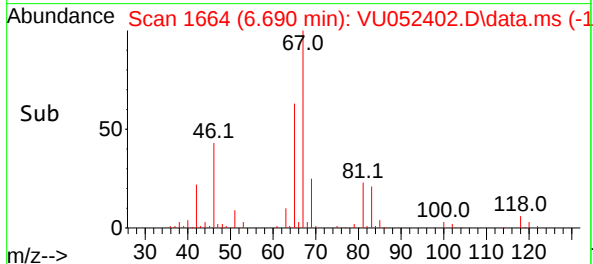
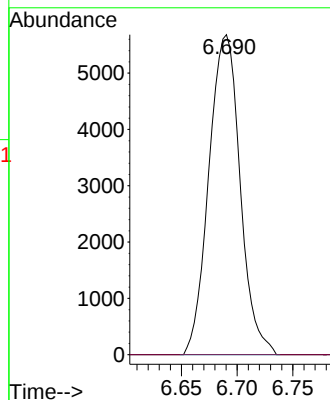
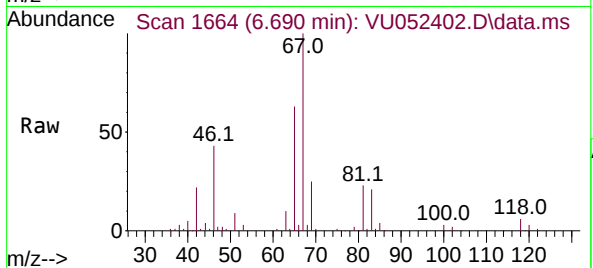
BGPL1DL

Tgt Ion: 63 Resp: 11121

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#



#47

Tetrachloroethene

Concen: 5.278 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU052402.D

Acq: 14 Dec 2022 15:57

Tgt Ion: 164 Resp: 76670

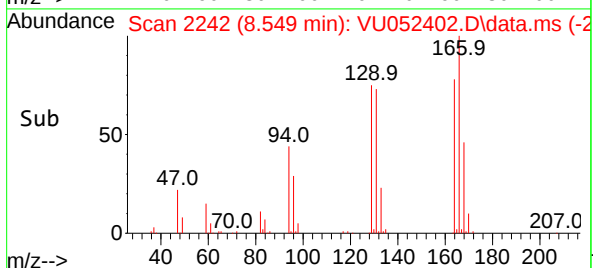
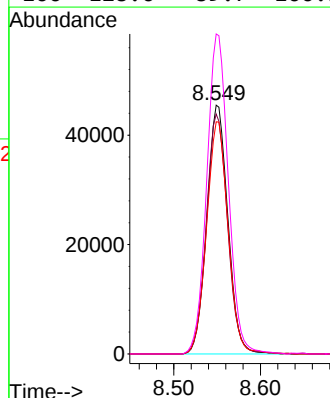
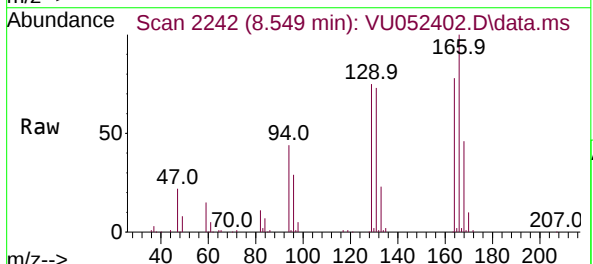
Ion Ratio Lower Upper

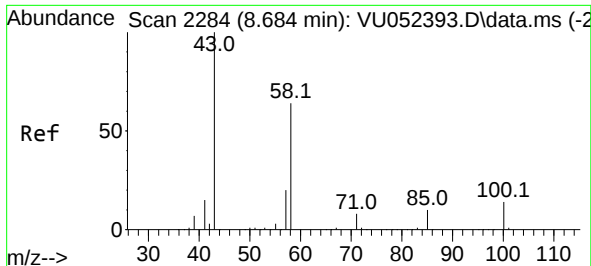
164 100

129 96.4 67.4 125.2

131 93.3 67.1 124.7

166 128.6 89.7 166.5

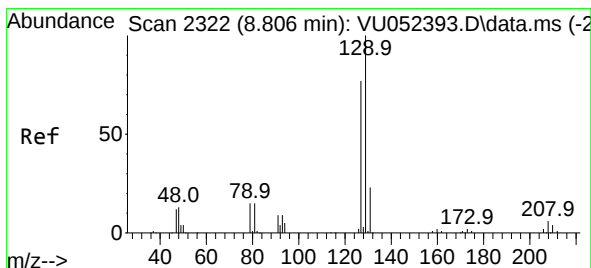
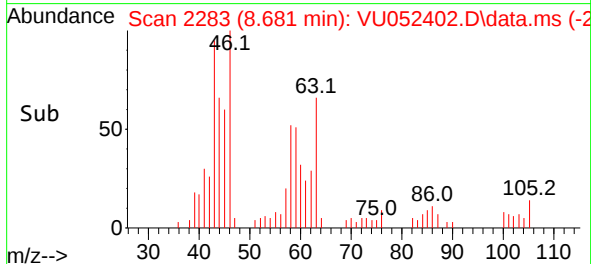
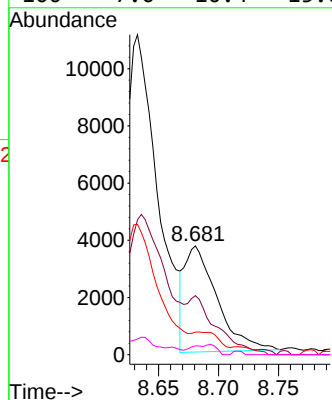
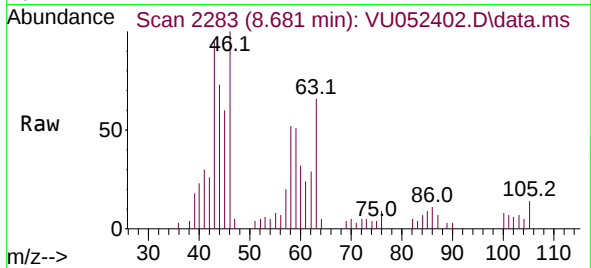




#48  
2-Hexanone  
Concen: 0.926 ug/L  
RT: 8.681 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

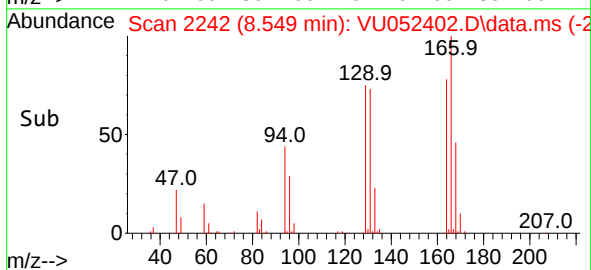
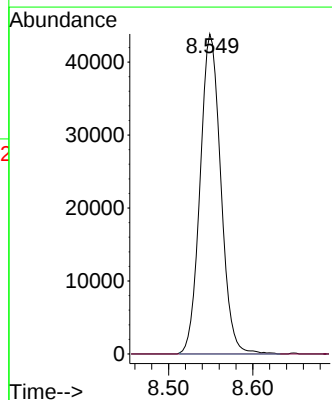
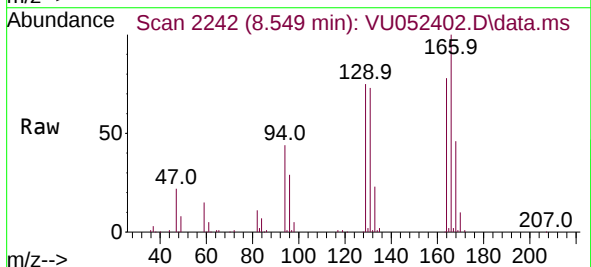
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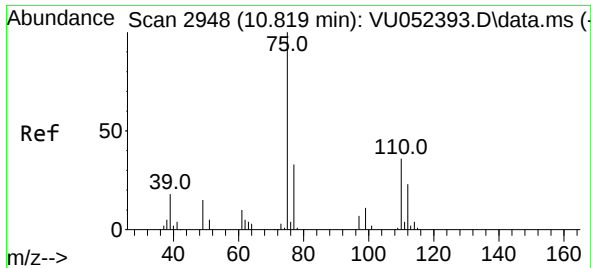
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 6976  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 46.2     | 49.4 74.0#  |
| 57 0.0      | 16.3 24.5#  |
| 100 7.0     | 10.4 15.6#  |



#49  
Dibromochloromethane  
Concen: 4.526 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.257 min  
Lab File: VU052402.D  
Acq: 14 Dec 2022 15:57

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 74942 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 0.0     | 52.8        | 98.2# |  |





#61

1,2,3-Trichloropropane

Concen: 1.012 ug/L

RT: 11.806 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU052402.D

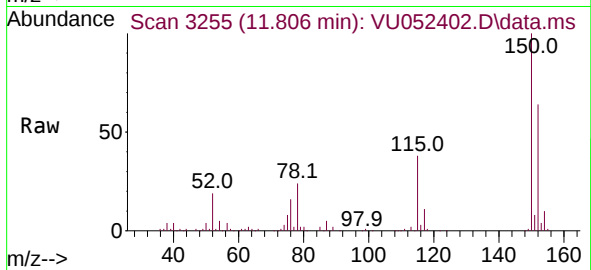
Acq: 14 Dec 2022 15:57

Instrument :

MSVOA\_U

ClientSampleId :

BGPL1DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11452 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 1.3   | 28.3  | 42.5# |
| 77       | 29.6  | 26.2  | 39.2  |

