

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042523\  
 Data File : VU053895.D  
 Acq On : 25 Apr 2023 19:39  
 Operator : JC/MD  
 Sample : 02433-21  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE56

Quant Time: Apr 26 05:15:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 26 05:09:52 2023  
 Response via : Initial Calibration

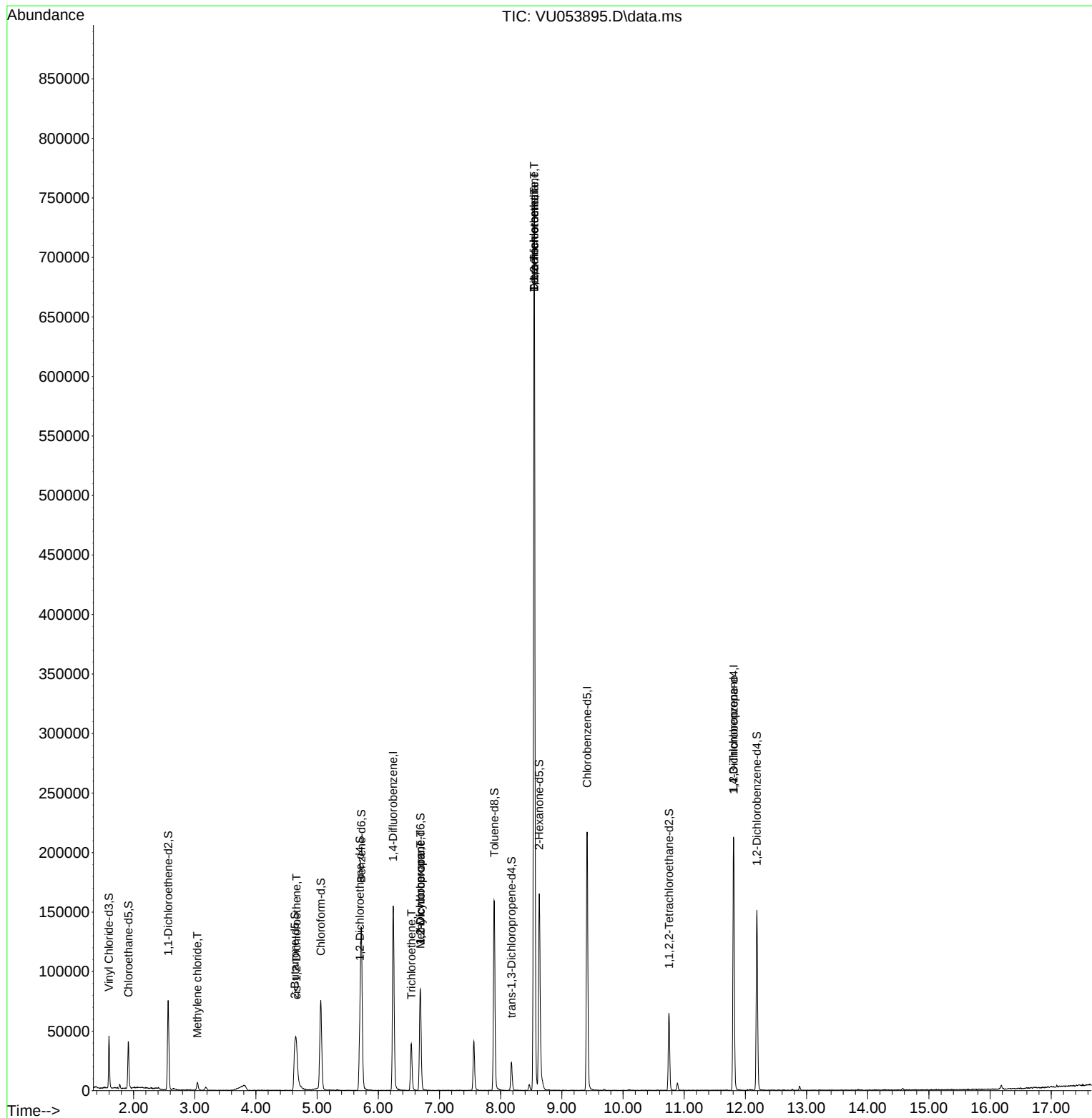
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243  | 114   | 133389   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 128485   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 60513    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 31628    | 3.893    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.800%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 29828    | 4.374    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 14084    | 4.212    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.200%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 76995    | 51.741   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.480% |
| 24) Chloroform-d              | 5.060  | 84    | 71617    | 4.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 33329    | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 32) Benzene-d6                | 5.723  | 84    | 134782   | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 43842    | 4.788    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 7.896  | 98    | 116605   | 4.128    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 14843    | 4.122    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.400%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 61614    | 48.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 32876    | 4.443    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 88.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 41675    | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.041  | 84    | 3635     | 0.317    | ug/L # | 85       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 10778    | 1.127    | ug/L   | 92       |
| 34) Trichloroethene           | 6.539  | 95    | 13349    | 1.353    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.690  | 83    | 10074    | 0.661    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 4753     | 0.529    | ug/L # | 87       |
| 45) 1,1,2-Trichloroethane     | 8.549  | 97    | 1125     | 0.167    | ug/L # | 1        |
| 47) Tetrachloroethene         | 8.549  | 164   | 166391   | 21.272   | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.549  | 129   | 160605   | 22.522   | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 6860     | 1.470    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

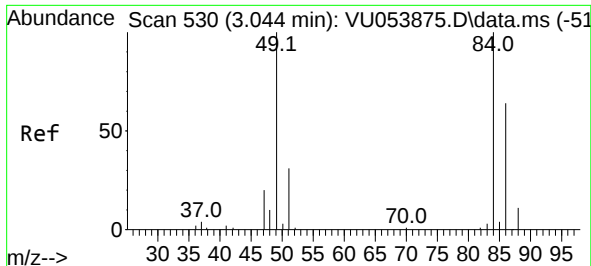
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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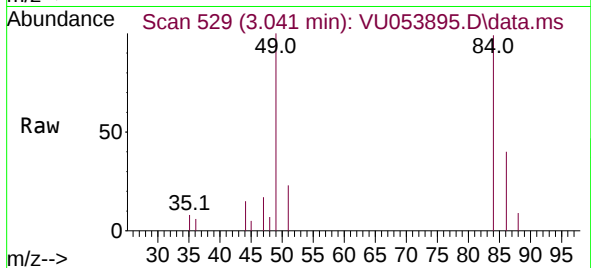
Quant Time: Apr 26 05:15:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
Quant Title : TRACE VOA SFAM1.0  
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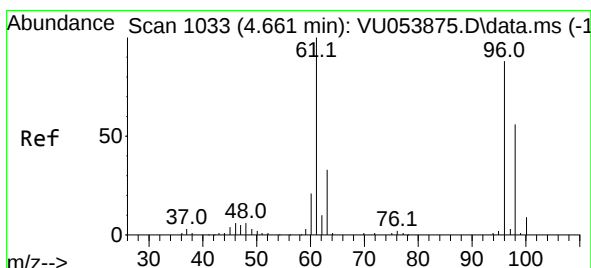
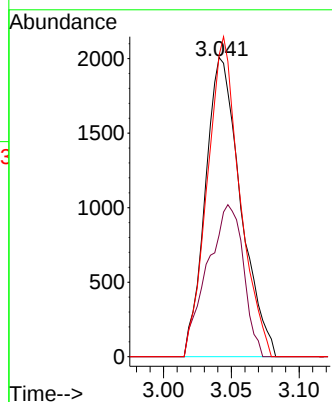
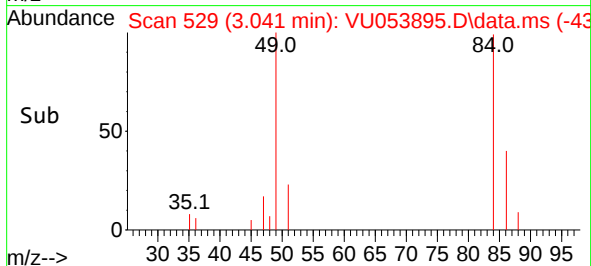


#16  
Methylene chloride  
Concen: 0.317 ug/L  
RT: 3.041 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39

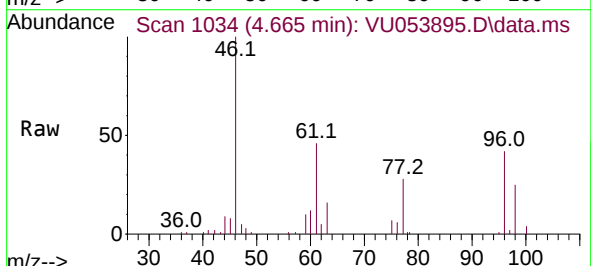
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE56



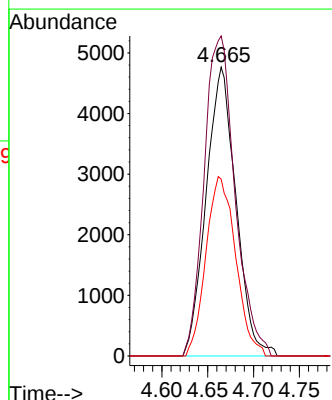
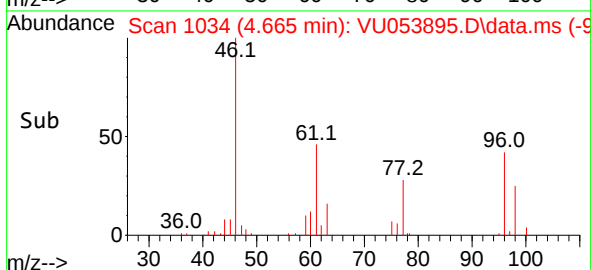
Tgt Ion: 84 Resp: 3635  
Ion Ratio Lower Upper  
84 100  
86 40.6 45.0 83.6#  
49 100.6 74.8 138.8

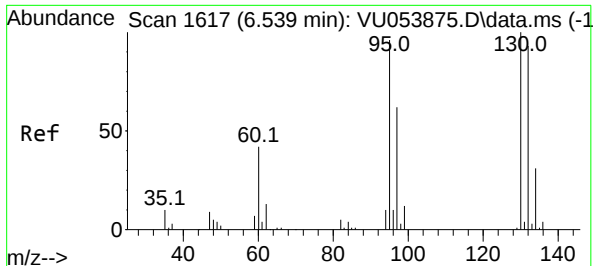


#22  
cis-1,2-Dichloroethene  
Concen: 1.127 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.003 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39



Tgt Ion: 96 Resp: 10778  
Ion Ratio Lower Upper  
96 100  
61 110.8 84.3 156.5  
98 61.2 46.4 86.2



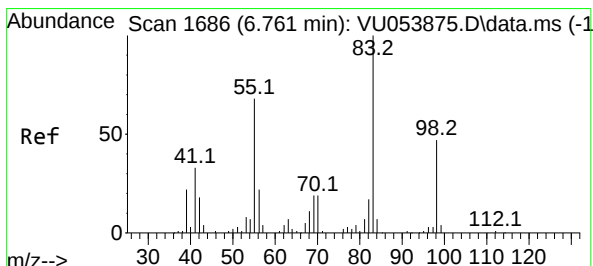
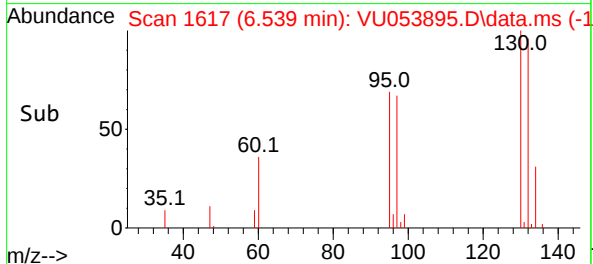
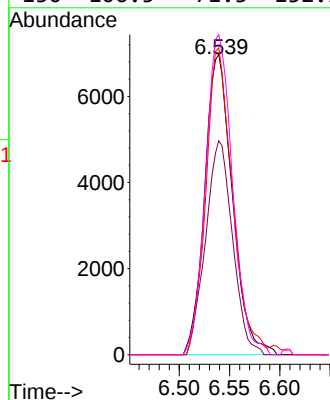
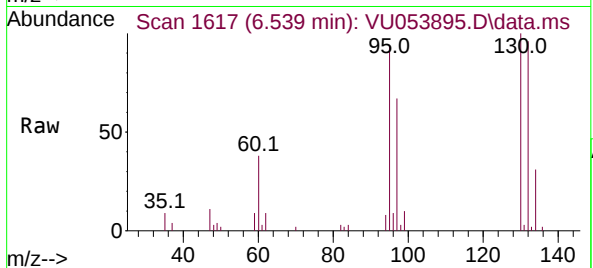


#34  
Trichloroethene  
Concen: 1.353 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE56

Tgt Ion: 95 Resp: 13349

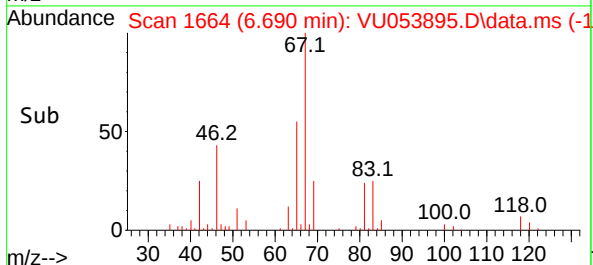
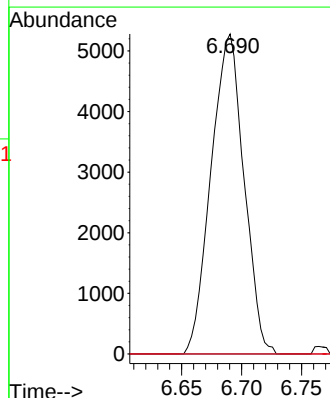
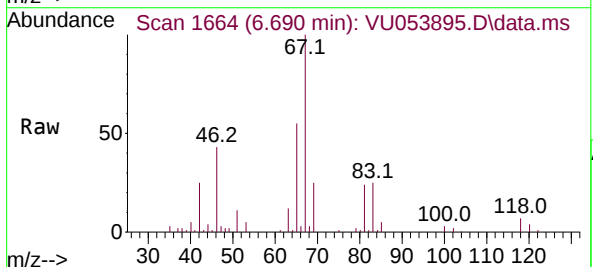
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 71.2  | 45.1  | 83.9  |
| 132 | 102.2 | 69.9  | 129.9 |
| 130 | 106.5 | 71.3  | 132.3 |

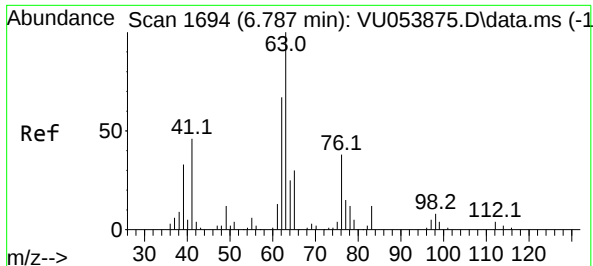


#35  
Methylcyclohexane  
Concen: 0.661 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39

Tgt Ion: 83 Resp: 10074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 55.4  | 83.2# |
| 98  | 0.6   | 37.3  | 55.9# |





#37

1,2-Dichloropropane

Concen: 0.529 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU053895.D

Acq: 25 Apr 2023 19:39

Instrument :

MSVOA\_U

ClientSampleId :

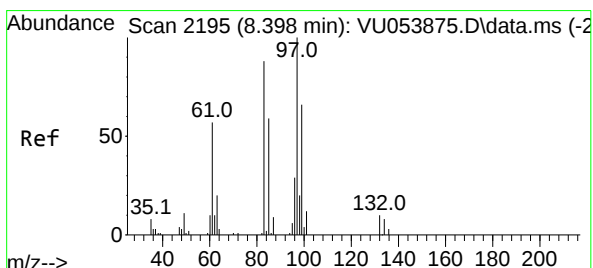
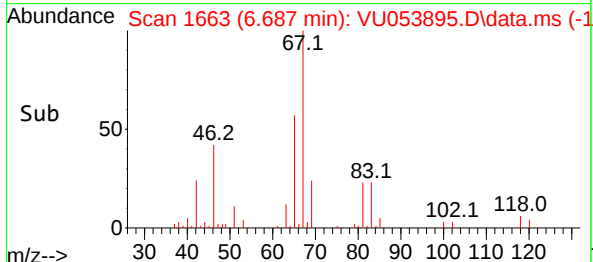
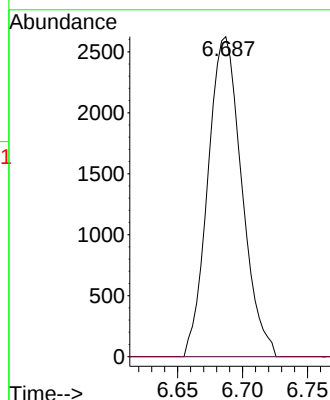
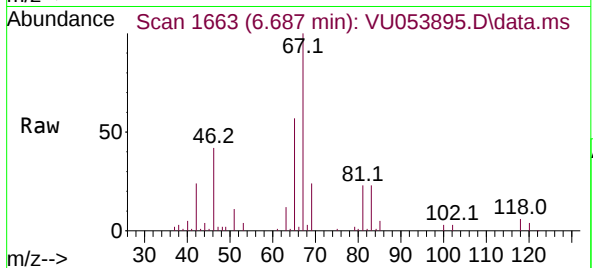
BHE56

Tgt Ion: 63 Resp: 4753

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#45

1,1,2-Trichloroethane

Concen: 0.167 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU053895.D

Acq: 25 Apr 2023 19:39

Tgt Ion: 97 Resp: 1125

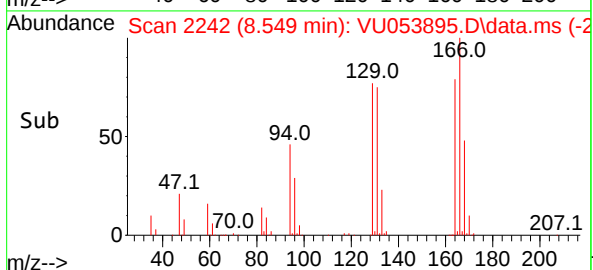
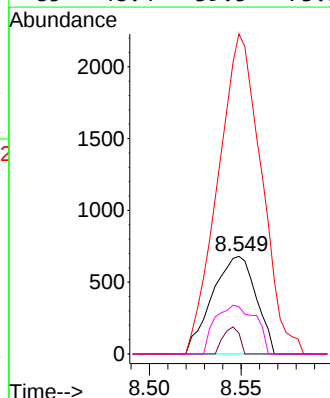
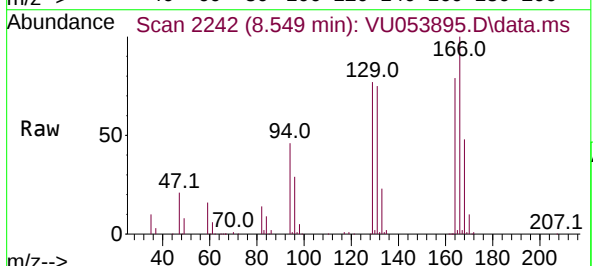
Ion Ratio Lower Upper

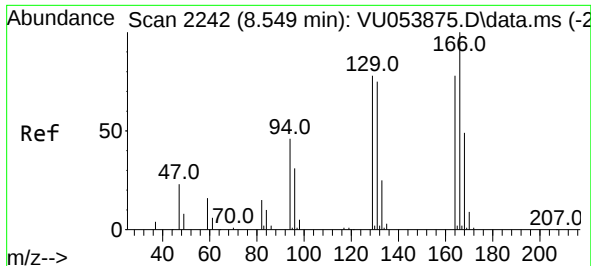
97 100

99 21.5 44.7 83.1#

83 327.8 59.8 111.1#

85 48.4 39.5 73.3

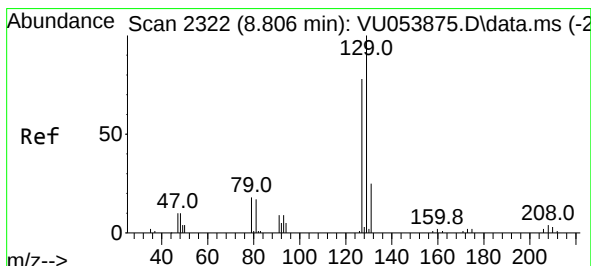
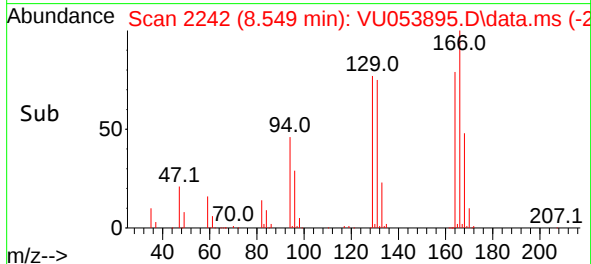
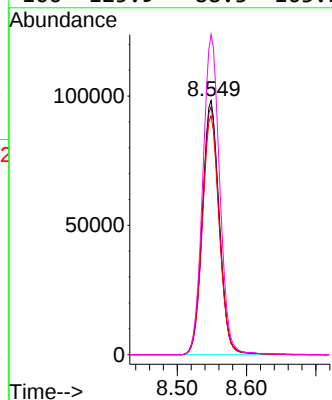
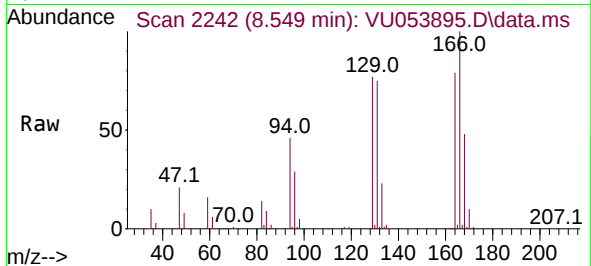




#47  
Tetrachloroethene  
Concen: 21.272 ug/L  
RT: 8.549 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39

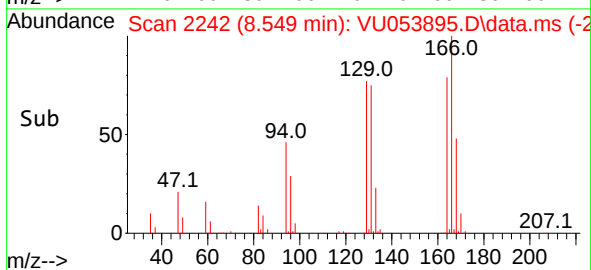
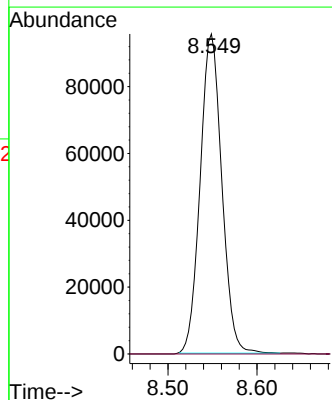
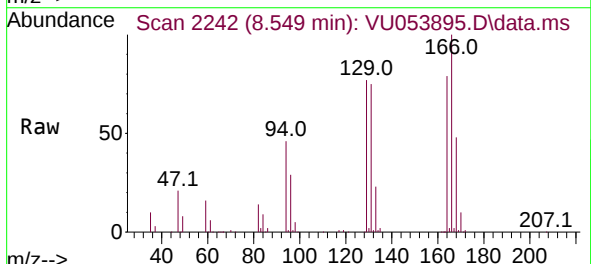
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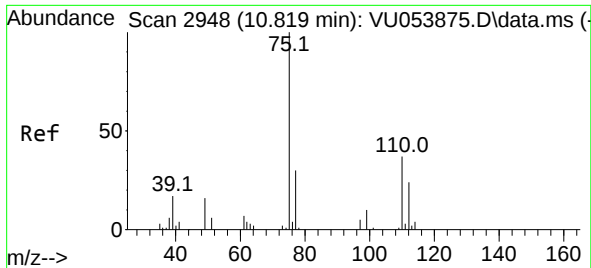
Tgt Ion:164 Resp: 166391  
Ion Ratio Lower Upper  
164 100  
129 97.4 68.3 126.8  
131 94.0 64.4 119.6  
166 125.9 88.3 163.9



#49  
Dibromochloromethane  
Concen: 22.522 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.257 min  
Lab File: VU053895.D  
Acq: 25 Apr 2023 19:39

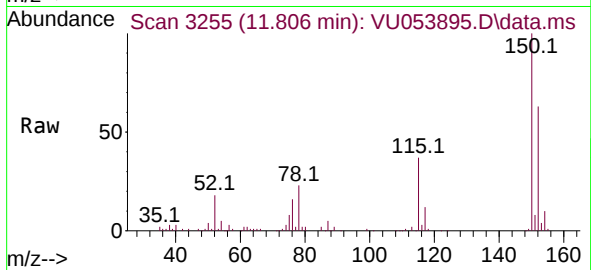
Tgt Ion:129 Resp: 160605  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.7 103.5#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.470 ug/L  
 RT: 11.806 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU053895.D  
 Acq: 25 Apr 2023 19:39

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE56



Tgt Ion: 75 Resp: 6860  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 3.2   | 30.7  | 46.1# |
| 77  | 35.1  | 26.2  | 39.4  |

