

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042823\  
 Data File : VU053949.D  
 Acq On : 27 Apr 2023 20:52  
 Operator : JC/MD  
 Sample : 02488-12 20X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE67

Quant Time: Apr 28 07:21:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 27 05:52:18 2023  
 Response via : Initial Calibration

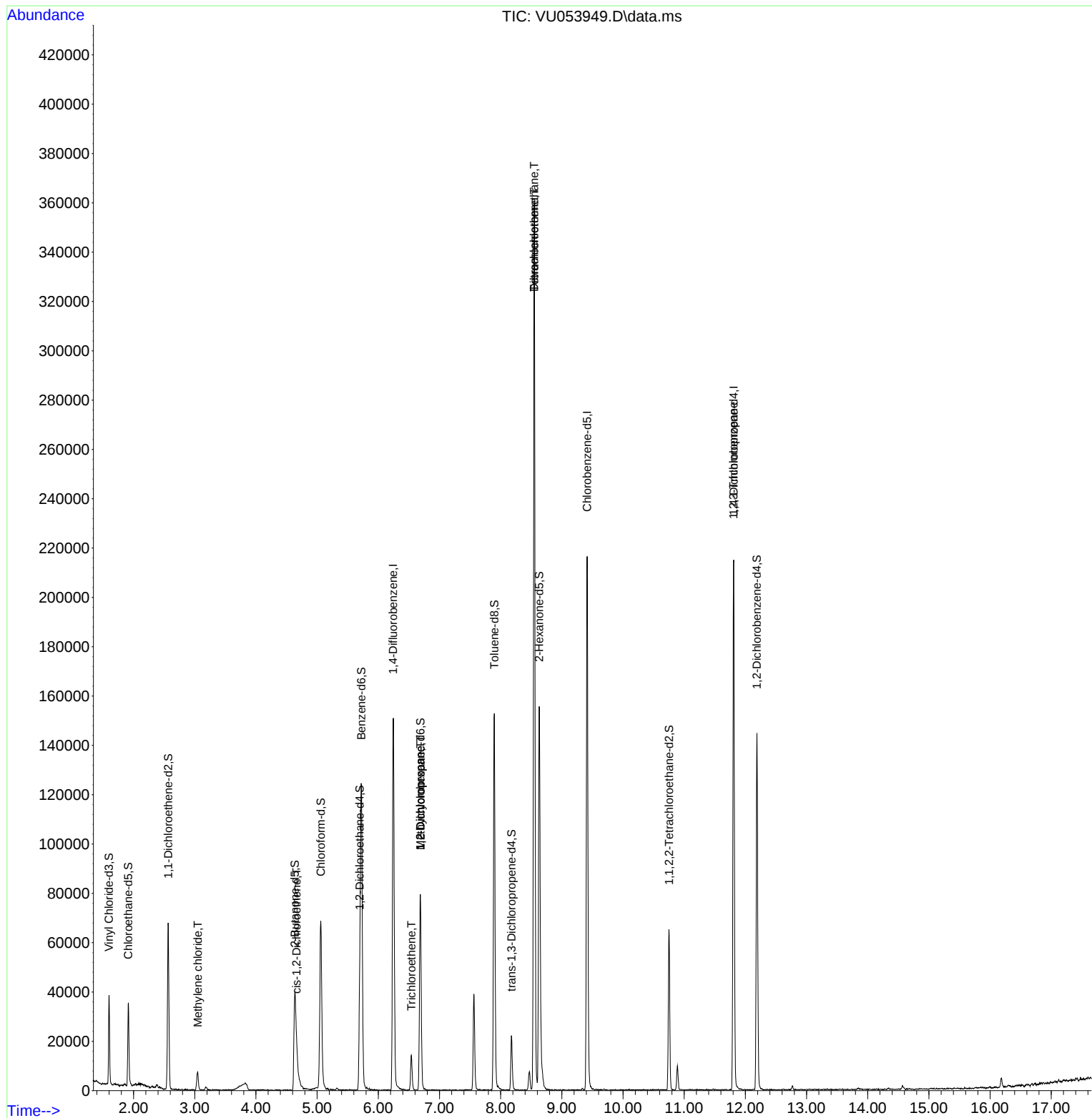
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114   | 132705   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 128795   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 59960    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 27251    | 3.371    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 67.400%  |
| 7) Chloroethane-d5            | 1.913  | 69    | 25216    | 3.717    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 74.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 12399    | 3.727    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.600%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 73759    | 49.822   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.640%  |
| 24) Chloroform-d              | 5.060  | 84    | 65576    | 4.305    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 31958    | 4.540    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 32) Benzene-d6                | 5.723  | 84    | 123090   | 4.057    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 40369    | 4.398    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 109946   | 3.883    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 13180    | 3.651    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.000%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 58708    | 45.954   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 32191    | 4.340    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 41372    | 4.302    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 86.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.047  | 84    | 3942     | 0.346    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 1890     | 0.199    | ug/L   | 82       |
| 34) Trichloroethene           | 6.539  | 95    | 4700     | 0.475    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.687  | 83    | 9491     | 0.621    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 4330     | 0.481    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.549  | 164   | 79886    | 10.188   | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.549  | 129   | 77564    | 10.851   | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 7038     | 1.522    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

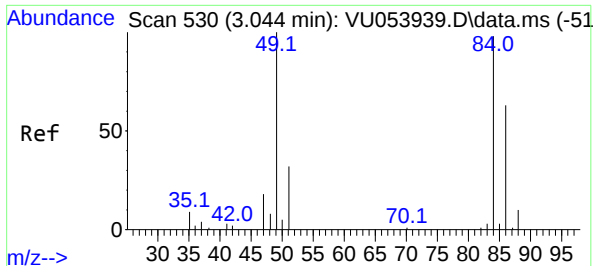
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Apr 27 05:52:18 2023  
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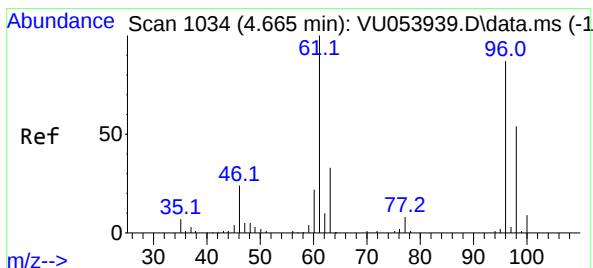
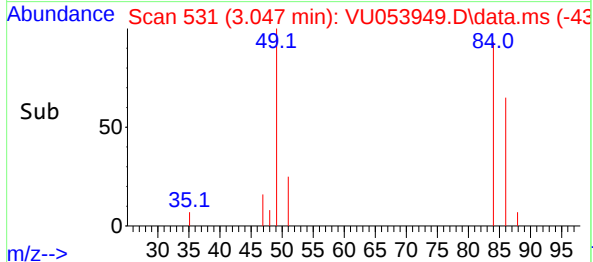
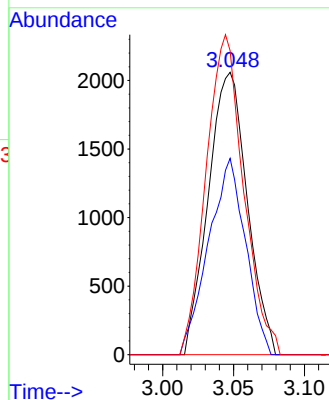
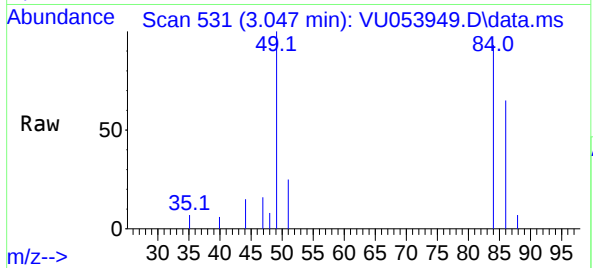




#16  
Methylene chloride  
Concen: 0.346 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

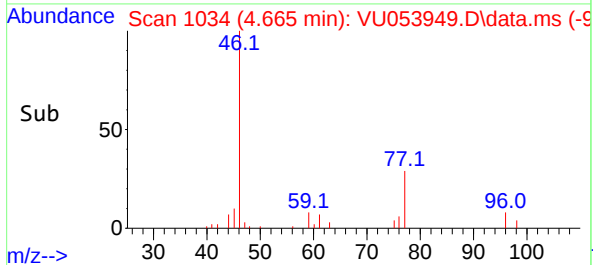
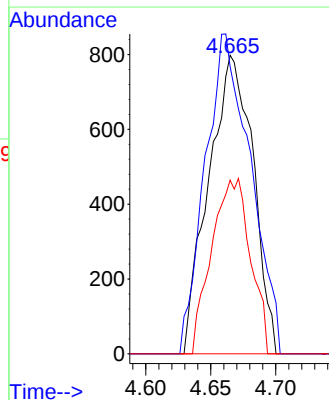
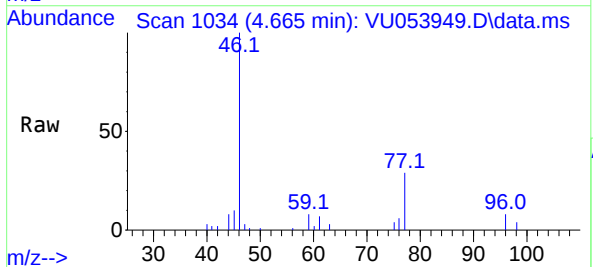
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE67

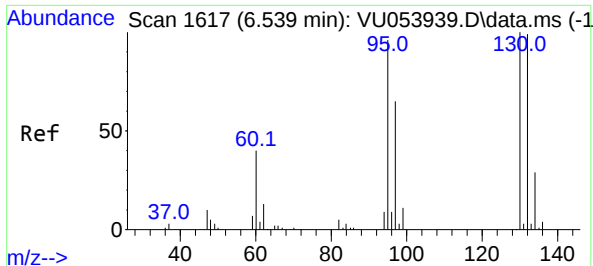
Tgt Ion: 84 Resp: 3942  
Ion Ratio Lower Upper  
84 100  
86 69.5 45.0 83.6  
49 107.6 74.8 138.8



#22  
cis-1,2-Dichloroethene  
Concen: 0.199 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.003 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

Tgt Ion: 96 Resp: 1890  
Ion Ratio Lower Upper  
96 100  
61 96.2 84.3 156.5  
98 58.1 46.4 86.2



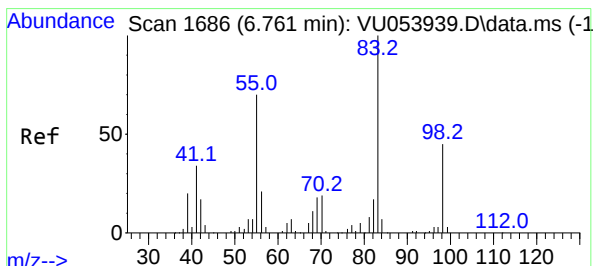
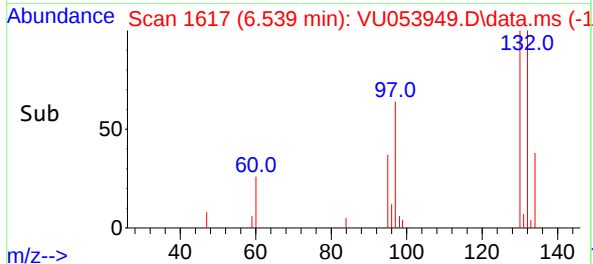
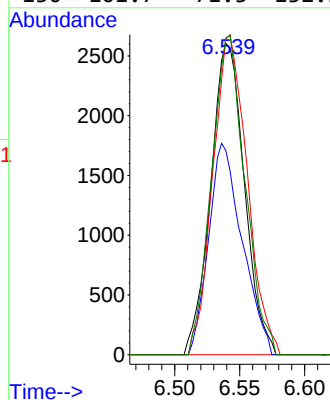
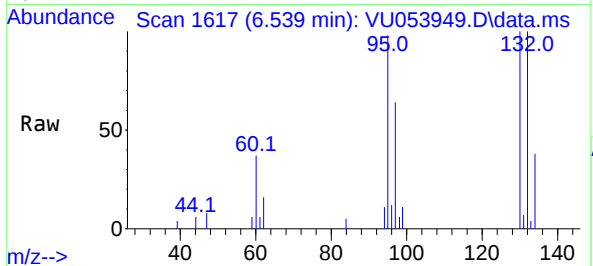


#34  
Trichloroethene  
Concen: 0.475 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE67

Tgt Ion: 95 Resp: 4700

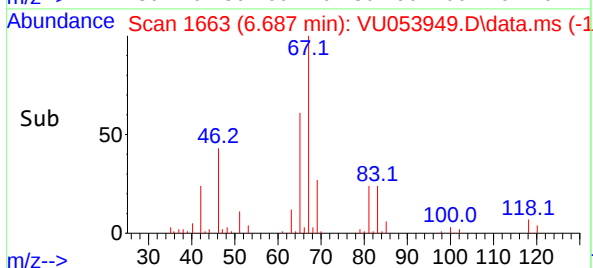
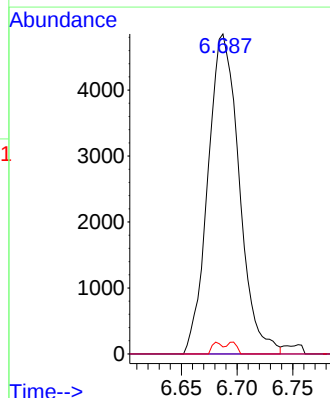
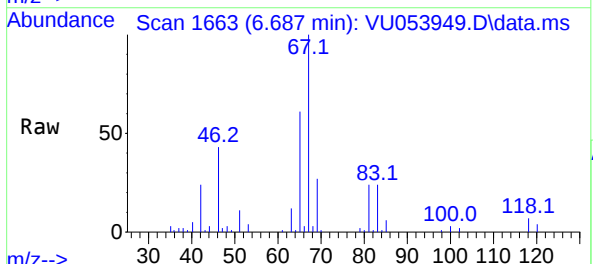
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.6  | 45.1  | 83.9  |
| 132 | 101.5 | 69.9  | 129.9 |
| 130 | 101.7 | 71.3  | 132.3 |

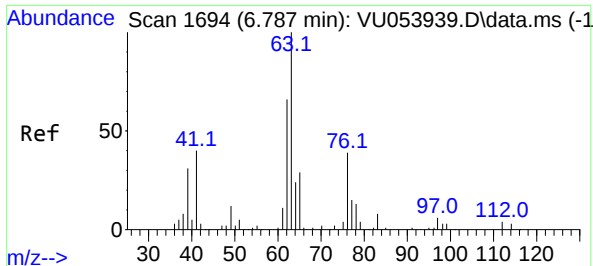


#35  
Methylcyclohexane  
Concen: 0.621 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.071 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

Tgt Ion: 83 Resp: 9491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 55.4  | 83.2# |
| 98  | 1.2   | 37.3  | 55.9# |

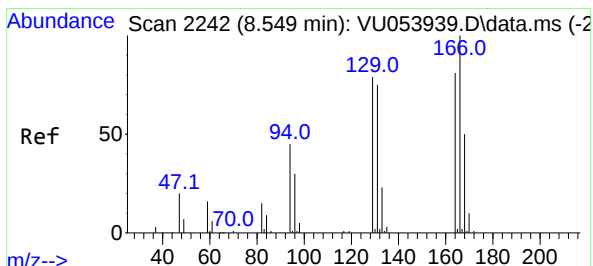
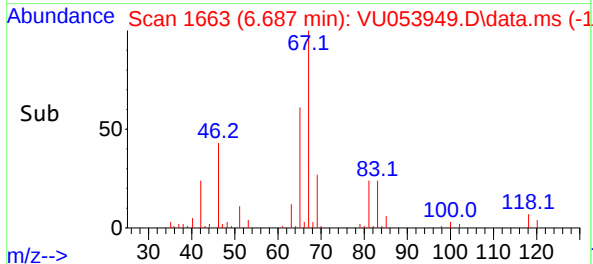
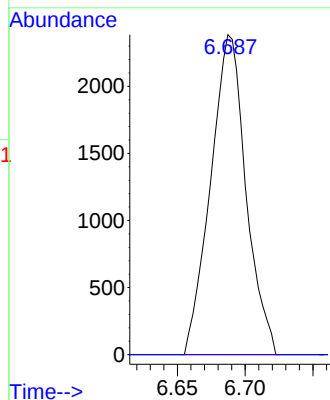
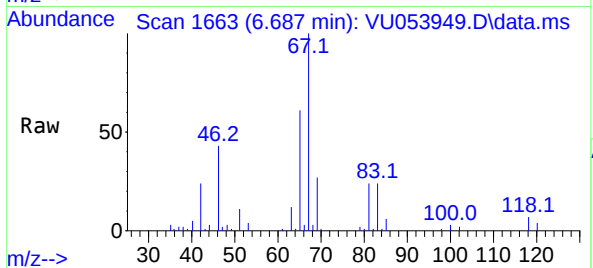




#37  
1,2-Dichloropropane  
Concen: 0.481 ug/L  
RT: 6.687 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

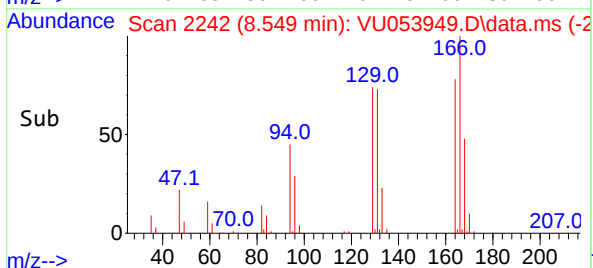
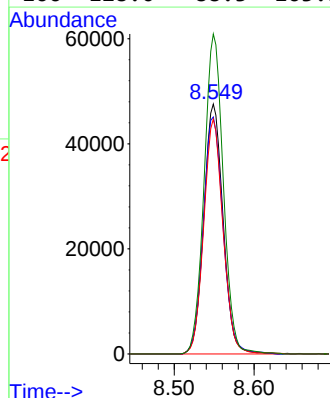
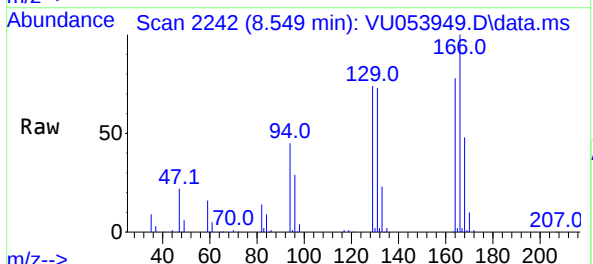
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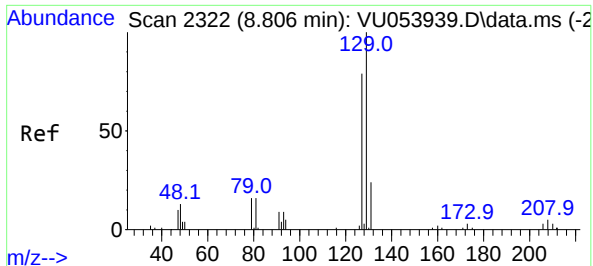
Tgt Ion: 63 Resp: 4330  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.5 5.3#



#47  
Tetrachloroethene  
Concen: 10.188 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VU053949.D  
Acq: 27 Apr 2023 20:52

Tgt Ion:164 Resp: 79886  
Ion Ratio Lower Upper  
164 100  
129 94.8 68.3 126.8  
131 94.0 64.4 119.6  
166 128.0 88.3 163.9





#49

Dibromochloromethane

Concen: 10.851 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053949.D

Acq: 27 Apr 2023 20:52

Instrument :

MSVOA\_U

ClientSampleId :

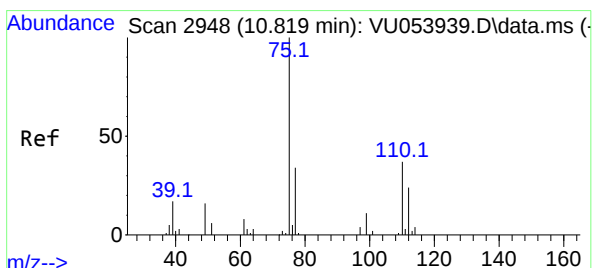
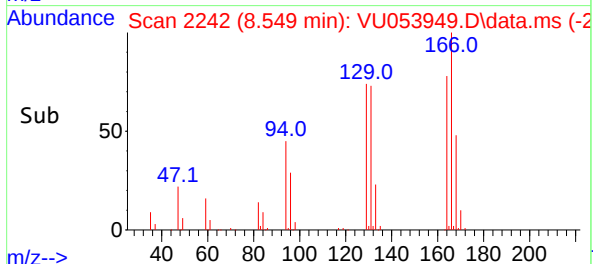
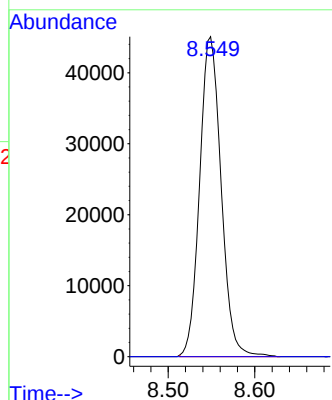
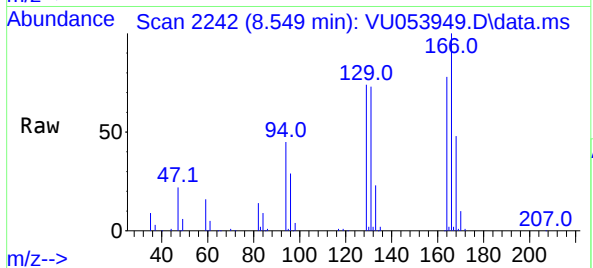
BHE67

Tgt Ion:129 Resp: 77564

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.522 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053949.D

Acq: 27 Apr 2023 20:52

Tgt Ion: 75 Resp: 7038

Ion Ratio Lower Upper

75 100

110 1.0 30.7 46.1#

77 31.4 26.2 39.4

