

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042623\  
 Data File : VU053908.D  
 Acq On : 26 Apr 2023 12:55  
 Operator : JC/MD  
 Sample : 02433-05DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE41DL

Quant Time: Apr 27 05:54:35 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

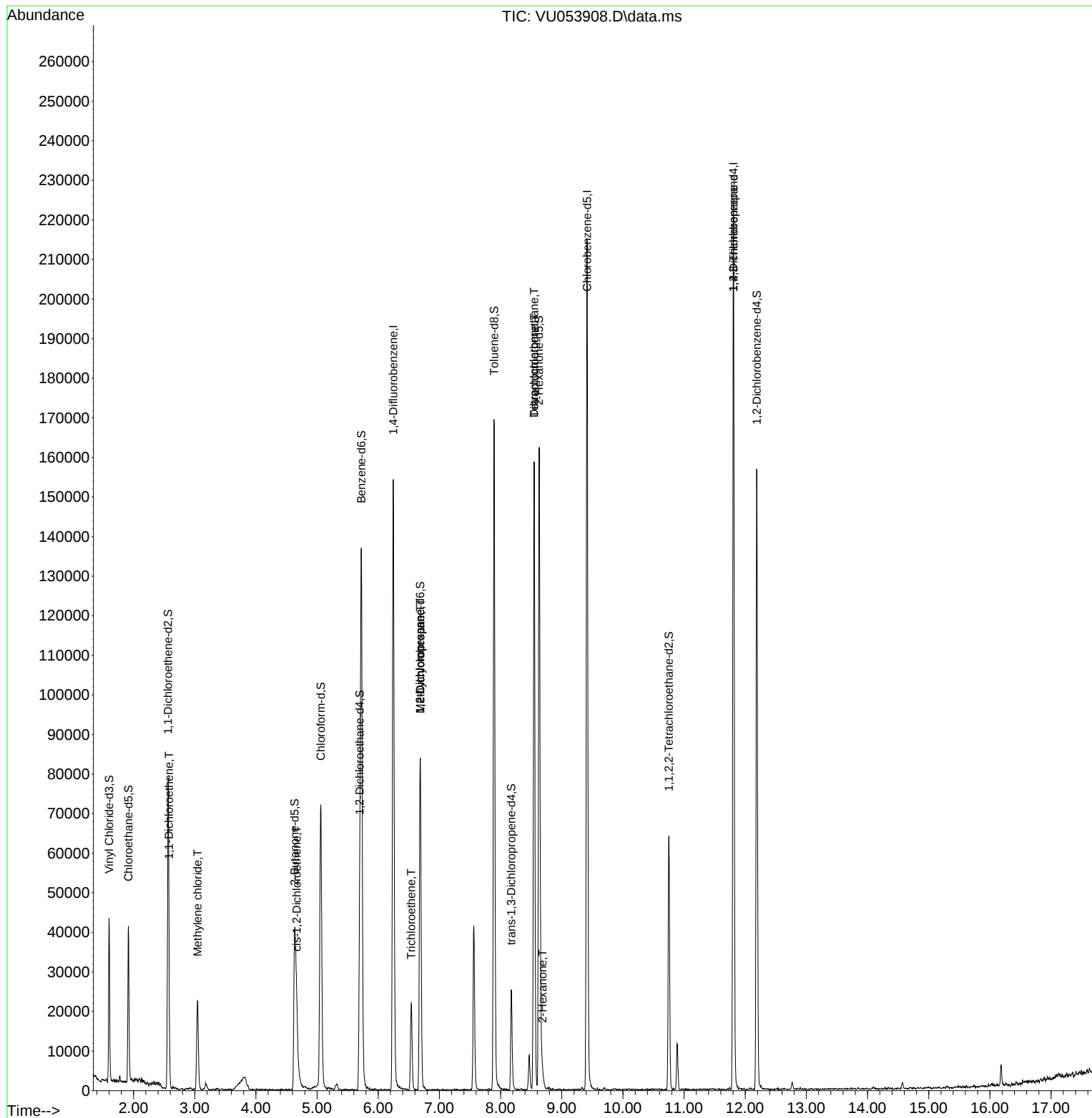
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.246  | 114   | 134561   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 127076   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806 | 152   | 63939    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 31271    | 3.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%  |
| 7) Chloroethane-d5            | 1.915  | 69    | 29002    | 4.216    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 14058    | 4.168    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.400%  |
| 20) 2-Butanone-d5             | 4.632  | 46    | 72553    | 48.331   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.660%  |
| 24) Chloroform-d              | 5.060  | 84    | 70022    | 4.534    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 32634    | 4.572    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 32) Benzene-d6                | 5.722  | 84    | 136112   | 4.547    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 43739    | 4.830    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.600%  |
| 41) Toluene-d8                | 7.893  | 98    | 119129   | 4.264    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.200%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 15899    | 4.464    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 60364    | 47.889   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 33010    | 4.510    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 43386    | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 84.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 2092     | 0.247    | ug/L # | 1        |
| 16) Methylene chloride        | 3.047  | 84    | 11566    | 1.001    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 5170     | 0.536    | ug/L   | 88       |
| 34) Trichloroethene           | 6.539  | 95    | 7710     | 0.790    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.687  | 83    | 10078    | 0.668    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 4652     | 0.523    | ug/L # | 87       |
| 47) Tetrachloroethene         | 8.549  | 164   | 36072    | 4.663    | ug/L   | 95       |
| 48) 2-Hexanone                | 8.687  | 43    | 2084     | 0.684    | ug/L # | 40       |
| 49) Dibromochloromethane      | 8.549  | 129   | 33495    | 4.749    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 7759     | 1.574    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

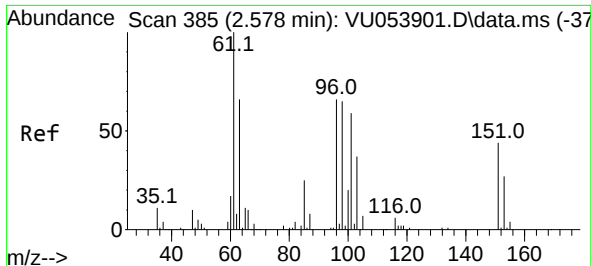
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.247 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

Instrument :

MSVOA\_U

ClientSampleId :

BHE41DL

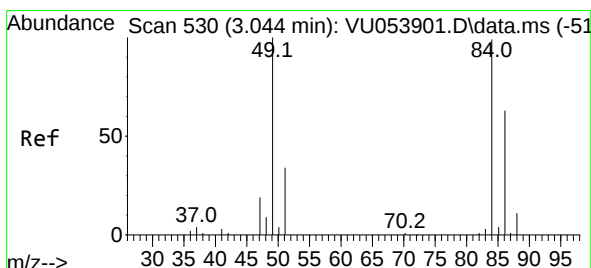
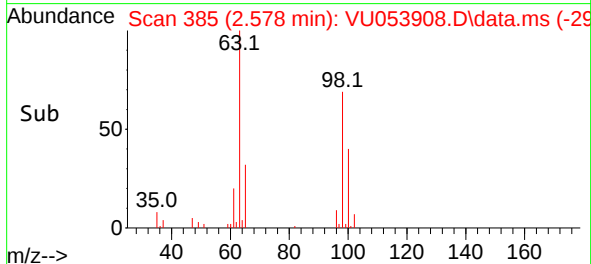
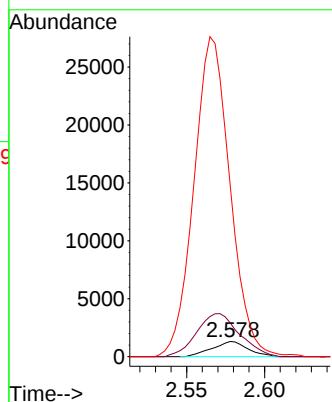
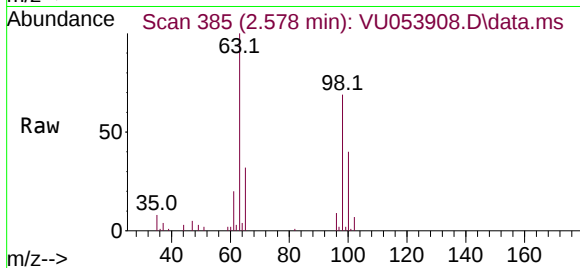
Tgt Ion: 96 Resp: 2092

Ion Ratio Lower Upper

96 100

61 222.8 111.5 207.1#

63 1130.3 68.7 127.7#



#16

Methylene chloride

Concen: 1.001 ug/L

RT: 3.047 min Scan# 531

Delta R.T. 0.003 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

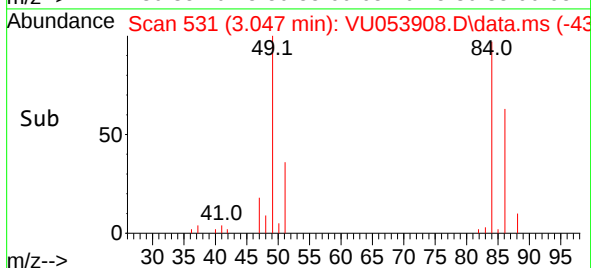
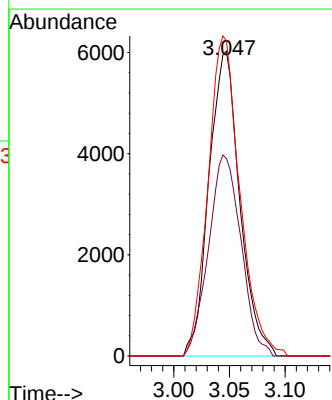
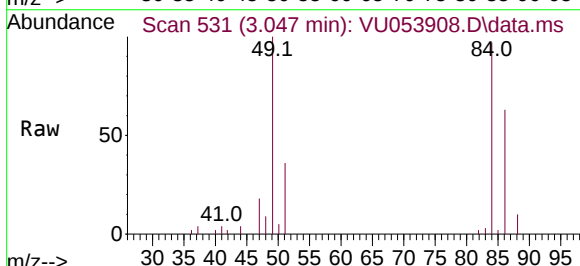
Tgt Ion: 84 Resp: 11566

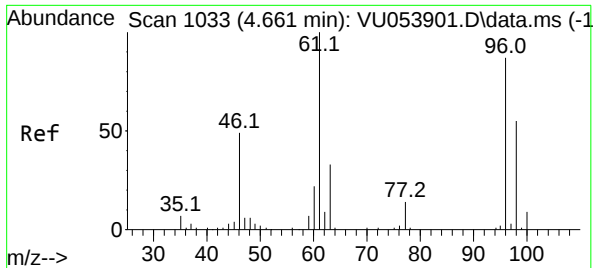
Ion Ratio Lower Upper

84 100

86 64.8 45.0 83.6

49 103.4 74.8 138.8





#22

cis-1,2-Dichloroethene

Concen: 0.536 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

Instrument :

MSVOA\_U

ClientSampleId :

BHE41DL

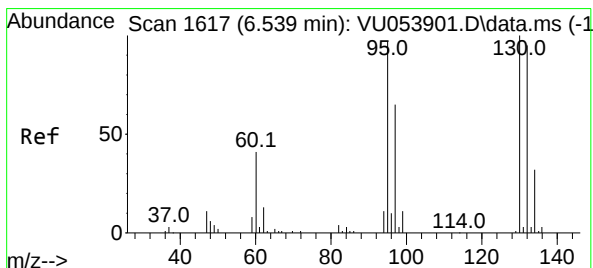
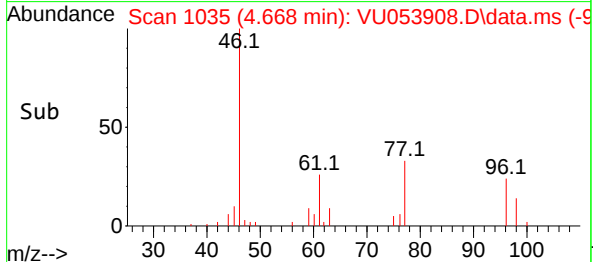
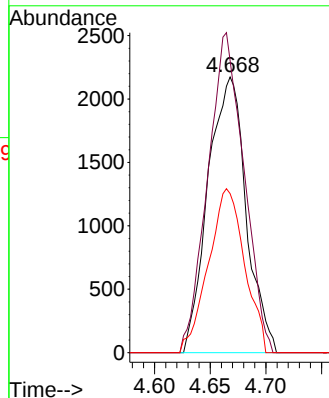
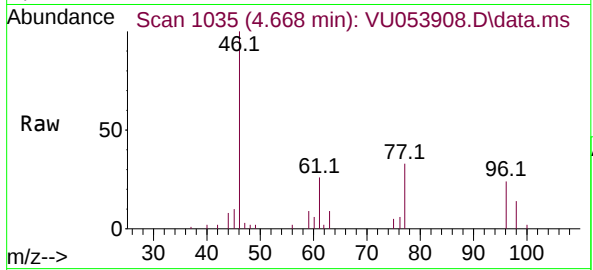
Tgt Ion: 96 Resp: 5170

Ion Ratio Lower Upper

96 100

61 105.9 84.3 156.5

98 57.7 46.4 86.2



#34

Trichloroethene

Concen: 0.790 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

Tgt Ion: 95 Resp: 7710

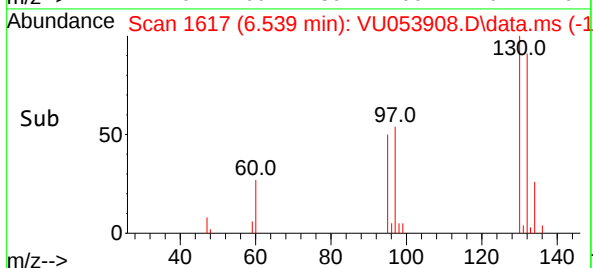
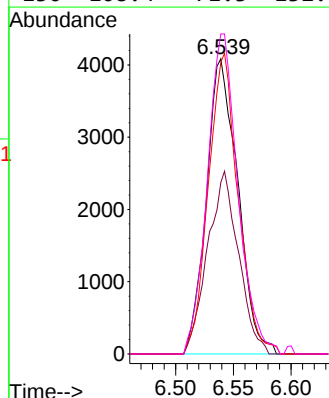
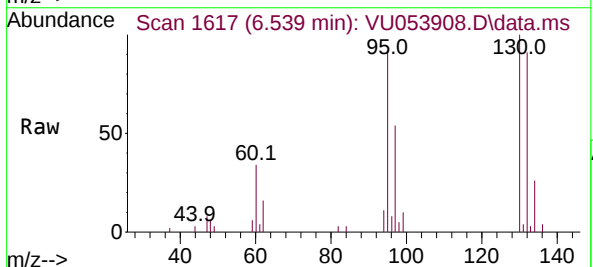
Ion Ratio Lower Upper

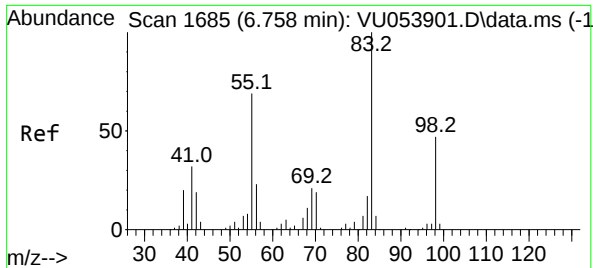
95 100

97 58.1 45.1 83.9

132 98.8 69.9 129.9

130 108.4 71.3 132.3

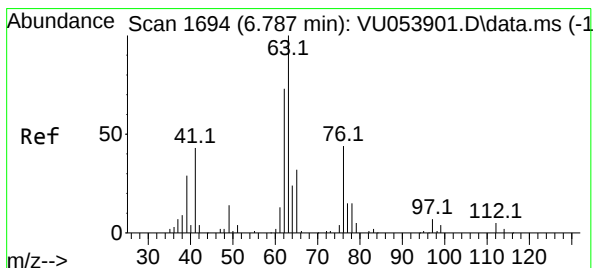
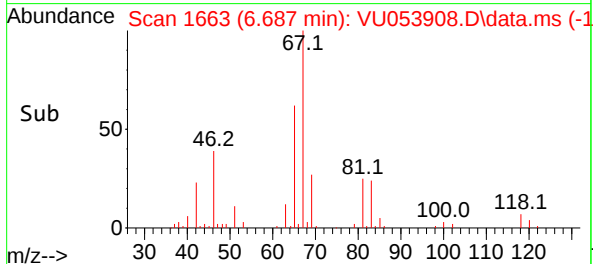
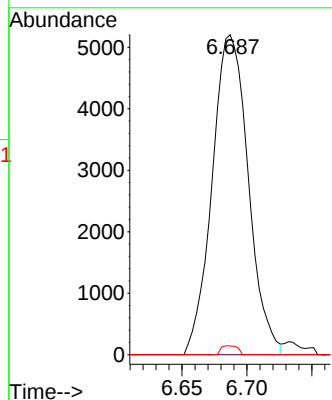
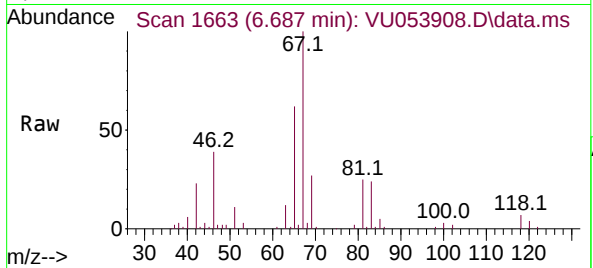




#35  
Methylcyclohexane  
Concen: 0.668 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.071 min  
Lab File: VU053908.D  
Acq: 26 Apr 2023 12:55

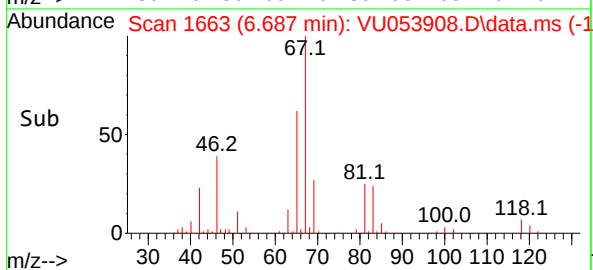
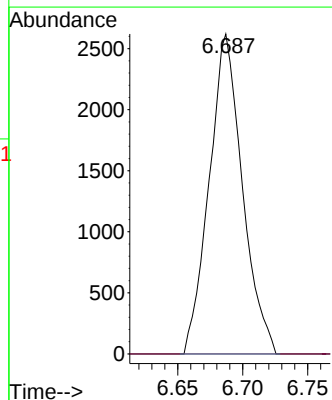
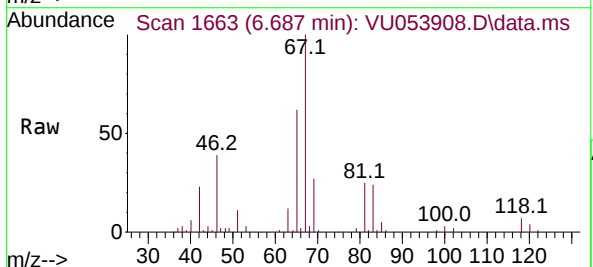
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE41DL

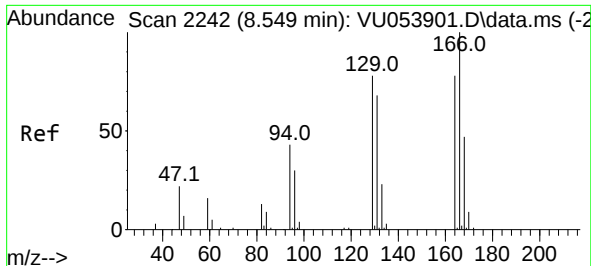
Tgt Ion: 83 Resp: 10078  
Ion Ratio Lower Upper  
83 100  
55 0.0 55.4 83.2#  
98 1.3 37.3 55.9#



#37  
1,2-Dichloropropane  
Concen: 0.523 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.100 min  
Lab File: VU053908.D  
Acq: 26 Apr 2023 12:55

Tgt Ion: 63 Resp: 4652  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#

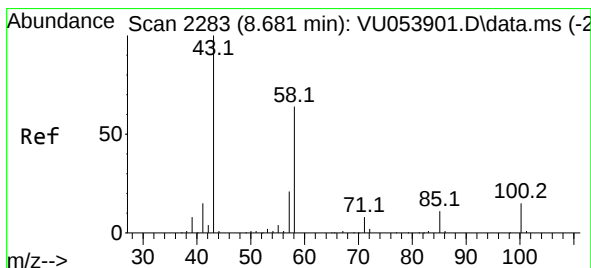
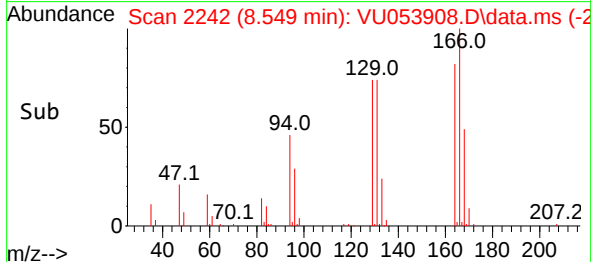
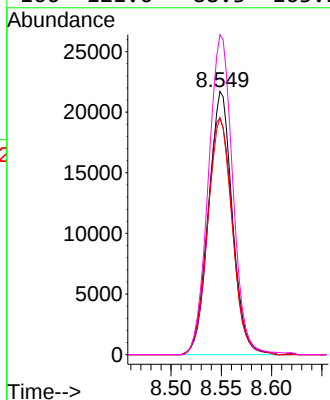
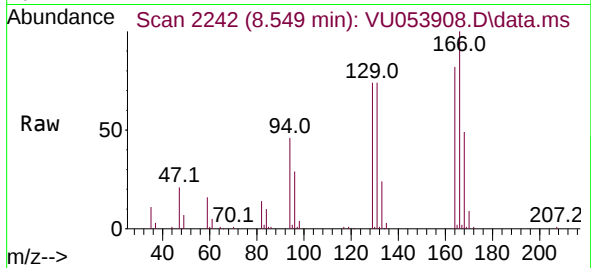




#47  
Tetrachloroethene  
Concen: 4.663 ug/L  
RT: 8.549 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU053908.D  
Acq: 26 Apr 2023 12:55

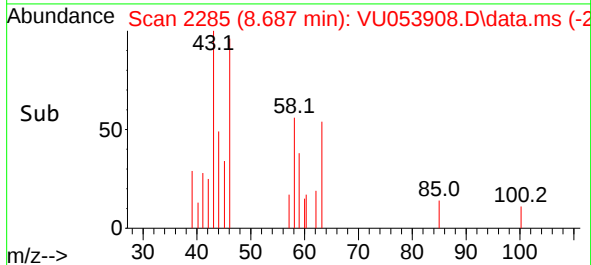
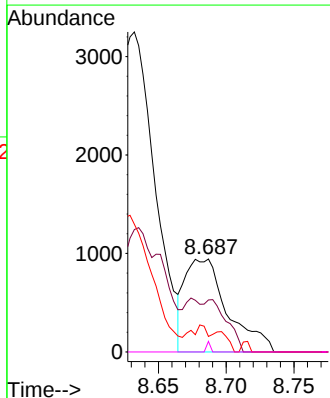
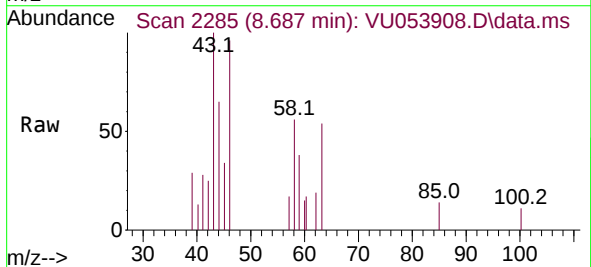
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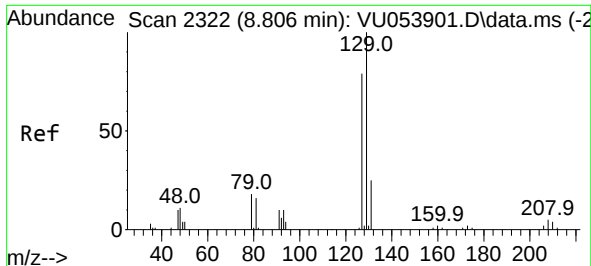
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 36072       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 89.8  | 68.3 126.8  |
| 131         | 90.1  | 64.4 119.6  |
| 166         | 121.6 | 88.3 163.9  |



#48  
2-Hexanone  
Concen: 0.684 ug/L  
RT: 8.687 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: VU053908.D  
Acq: 26 Apr 2023 12:55

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 2084        |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 0.0   | 49.8 74.6#  |
| 57          | 13.5  | 16.9 25.3#  |
| 100         | 1.0   | 11.8 17.8#  |





#49

Dibromochloromethane

Concen: 4.749 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

Instrument :

MSVOA\_U

ClientSampleId :

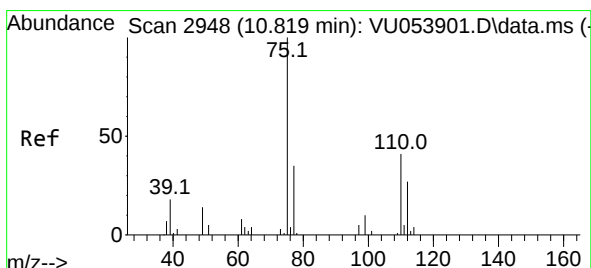
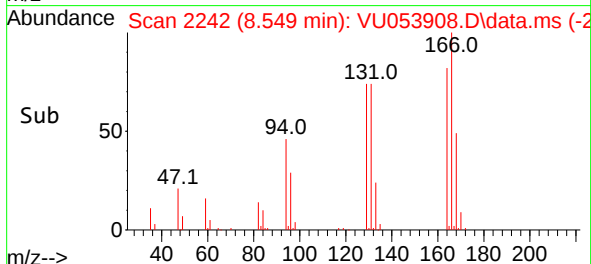
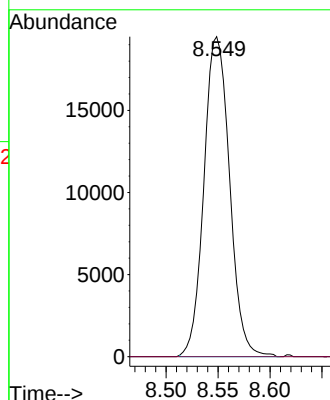
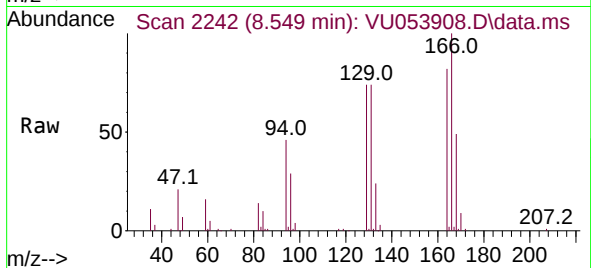
BHE41DL

Tgt Ion:129 Resp: 33495

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.574 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053908.D

Acq: 26 Apr 2023 12:55

Tgt Ion: 75 Resp: 7759

Ion Ratio Lower Upper

75 100

110 1.5 30.7 46.1#

77 26.3 26.2 39.4

