

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101222\  
 Data File : VU051389.D  
 Acq On : 12 Oct 2022 14:03  
 Operator : JC/MD  
 Sample : N4993-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGS12

Quant Time: Oct 13 01:39:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 13 01:37:29 2022  
 Response via : Initial Calibration

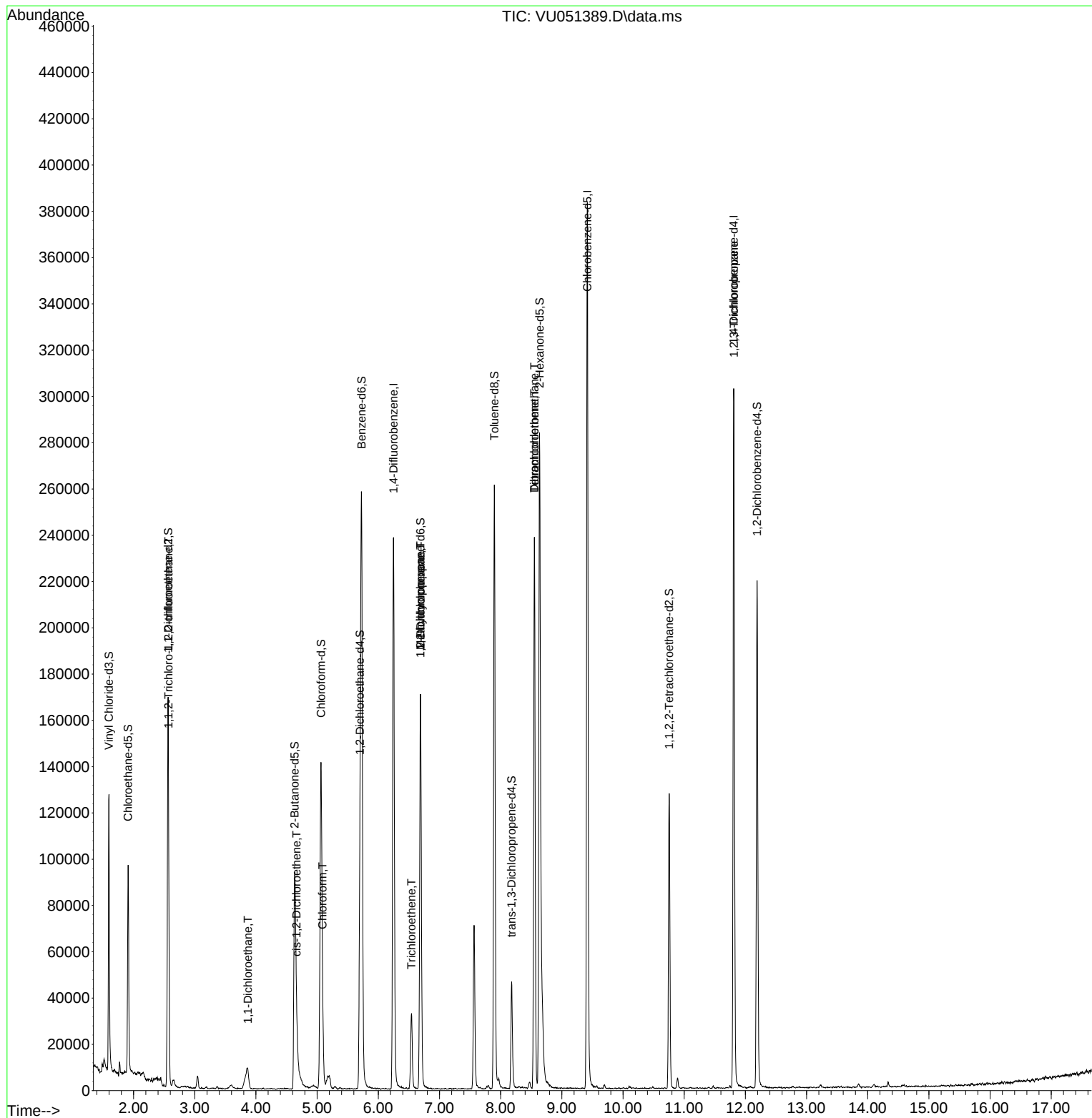
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 189254   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 209854   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 81392    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 91078    | 5.966  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 119.400% |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 65661    | 5.006  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 100.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 32177    | 5.332  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 106.600% |          |
| 20) 2-Butanone-d5             | 4.632  | 46             | 151461   | 45.063 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 90.120%  |          |
| 24) Chloroform-d              | 5.063  | 84             | 129556   | 4.552  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 68589    | 4.673  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.400%  |          |
| 32) Benzene-d6                | 5.726  | 84             | 241750   | 4.188  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 83.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 85052    | 4.338  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 86.800%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 178605   | 3.458  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 69.200%# |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 26994    | 4.191  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 83.800%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 81008    | 37.314 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 74.620%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84             | 67547    | 4.313  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 86.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 59750    | 4.224  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 84.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571  | 101            | 2082     | 0.142  | ug/L #   | 53       |
| 19) 1,1-Dichloroethane        | 3.867  | 63             | 7267     | 0.243  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 1899     | 0.118  | ug/L     | 97       |
| 25) Chloroform                | 5.089  | 83             | 22724    | 0.726  | ug/L     | 97       |
| 34) Trichloroethene           | 6.542  | 95             | 12008    | 0.687  | ug/L     | 95       |
| 35) Methylcyclohexane         | 6.690  | 83             | 18338    | 0.832  | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 8995     | 0.468  | ug/L #   | 90       |
| 47) Tetrachloroethene         | 8.552  | 164            | 53139    | 4.135  | ug/L     | 97       |
| 49) Dibromochloromethane      | 8.552  | 129            | 53098    | 3.507  | ug/L #   | 11       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75             | 10505    | 1.022  | ug/L #   | 69       |
| -----                         |        |                |          |        |          |          |

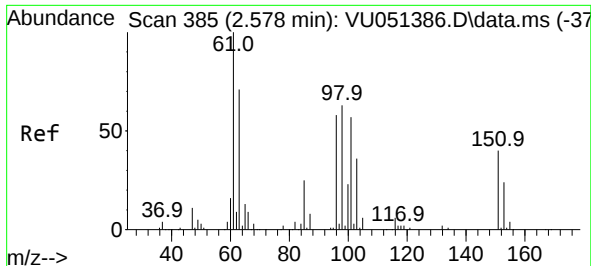
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 13 01:37:29 2022  
Response via : Initial Calibration

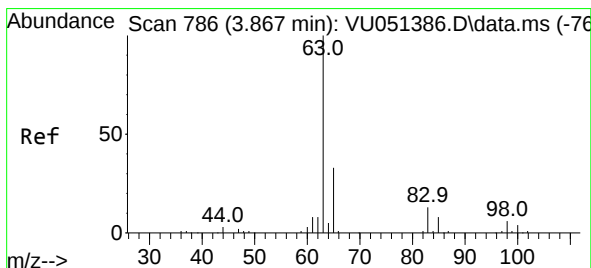
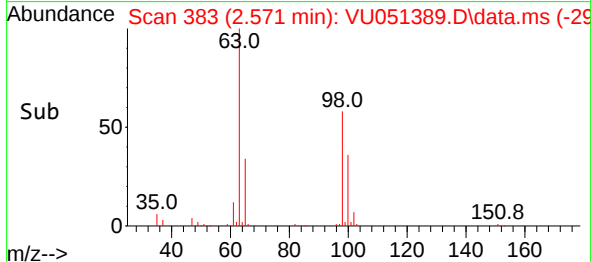
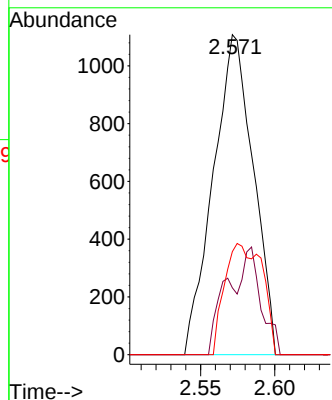
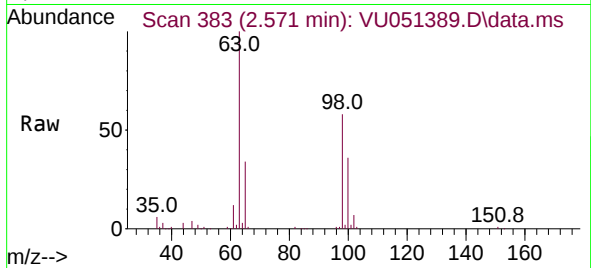




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.142 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.006 min  
 Lab File: VU051389.D  
 Acq: 12 Oct 2022 14:03

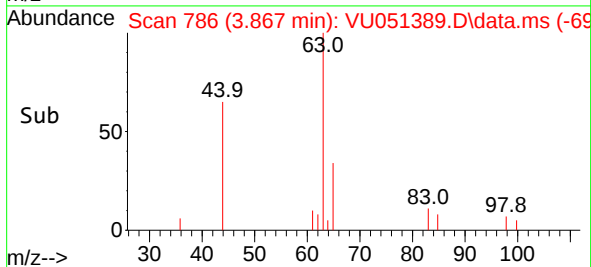
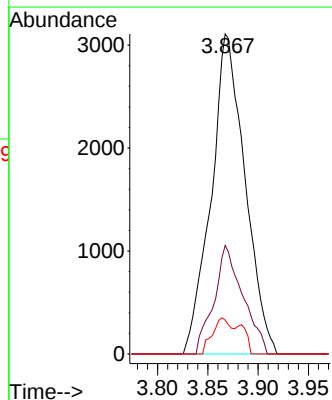
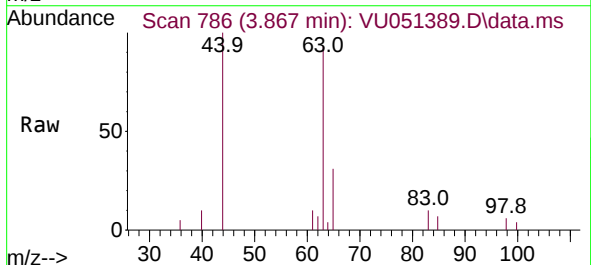
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGS12

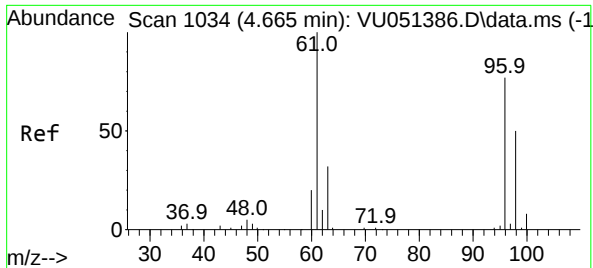
Tgt Ion:101 Resp: 2082  
 Ion Ratio Lower Upper  
 101 100  
 85 11.8 34.6 51.8#  
 151 32.7 56.5 84.7#



#19  
 1,1-Dichloroethane  
 Concen: 0.243 ug/L  
 RT: 3.867 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VU051389.D  
 Acq: 12 Oct 2022 14:03

Tgt Ion: 63 Resp: 7267  
 Ion Ratio Lower Upper  
 63 100  
 65 33.9 22.0 41.0  
 83 10.6 9.0 16.6

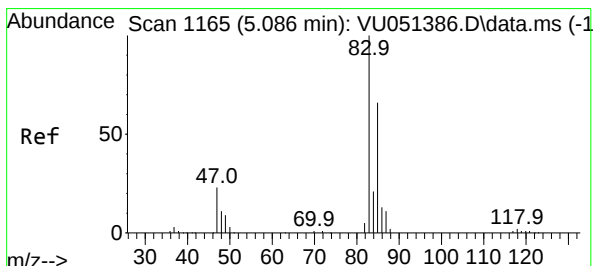
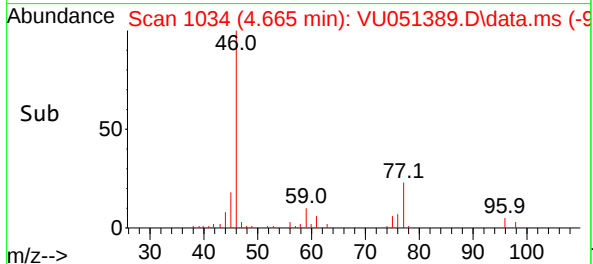
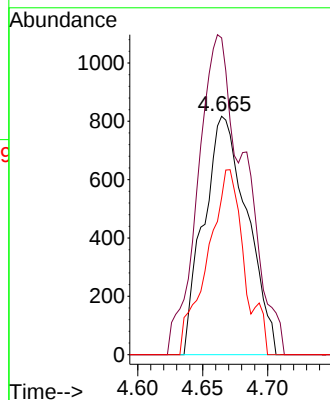
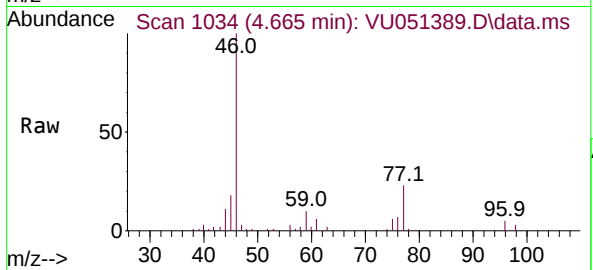




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.118 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. -0.000 min  
 Lab File: VU051389.D  
 Acq: 12 Oct 2022 14:03

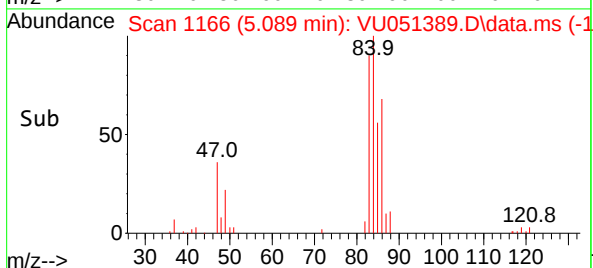
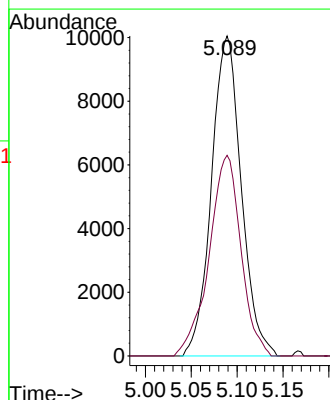
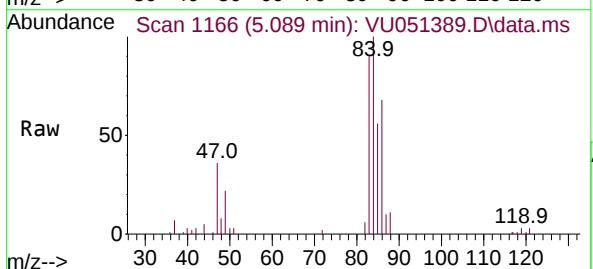
Instrument :  
 MSVOA\_U  
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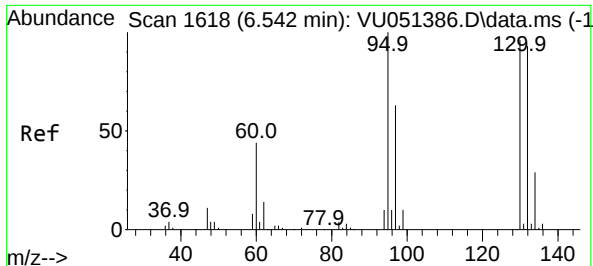
Tgt Ion: 96 Resp: 1899  
 Ion Ratio Lower Upper  
 96 100  
 61 132.9 90.6 168.2  
 98 65.9 47.5 88.3



#25  
 Chloroform  
 Concen: 0.726 ug/L  
 RT: 5.089 min Scan# 1166  
 Delta R.T. 0.003 min  
 Lab File: VU051389.D  
 Acq: 12 Oct 2022 14:03

Tgt Ion: 83 Resp: 22724  
 Ion Ratio Lower Upper  
 83 100  
 85 62.7 45.6 84.6



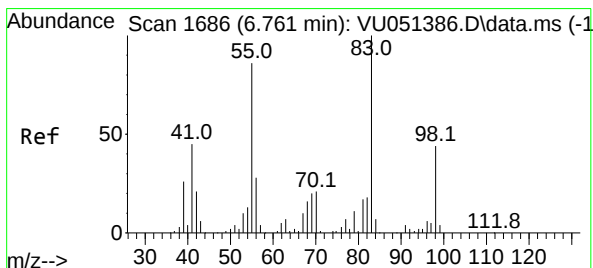
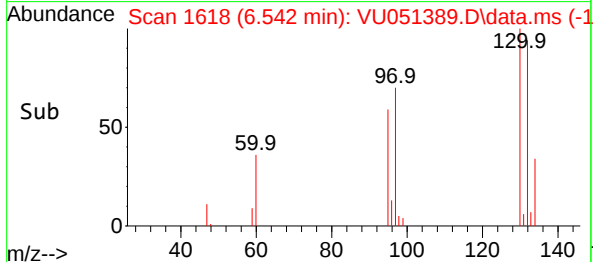
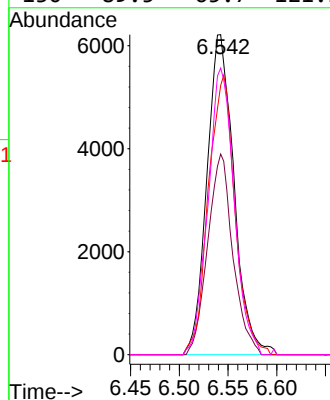
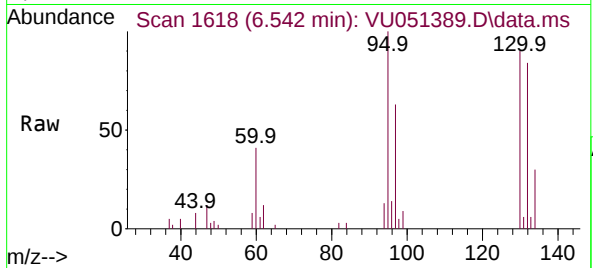


#34  
Trichloroethene  
Concen: 0.687 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU051389.D  
Acq: 12 Oct 2022 14:03

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGS12

Tgt Ion: 95 Resp: 12008

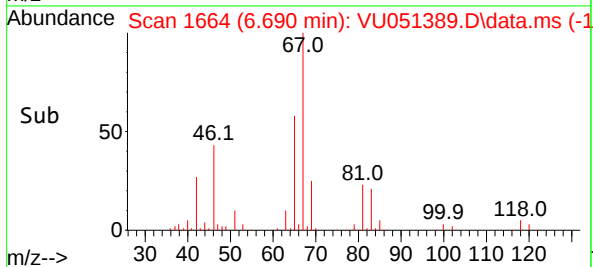
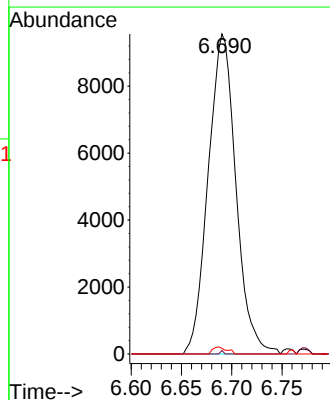
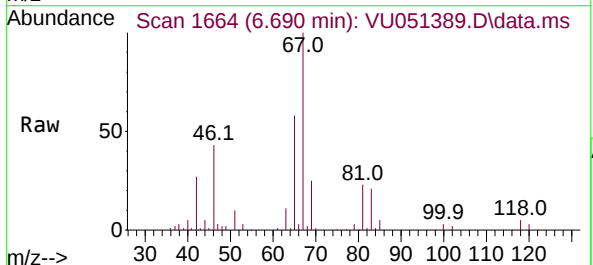
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.7  | 45.4  | 84.2  |
| 132 | 84.2  | 63.1  | 117.3 |
| 130 | 89.5  | 65.7  | 121.9 |

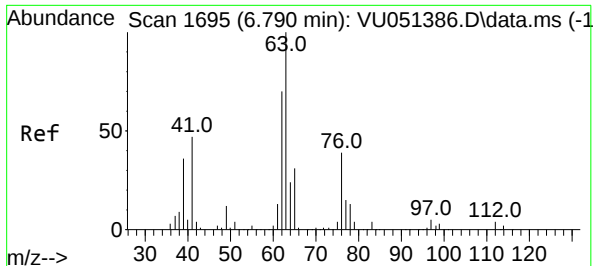


#35  
Methylcyclohexane  
Concen: 0.832 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU051389.D  
Acq: 12 Oct 2022 14:03

Tgt Ion: 83 Resp: 18338

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.1   | 65.8  | 98.6# |
| 98  | 1.1   | 35.9  | 53.9# |





#37

1,2-Dichloropropane

Concen: 0.468 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051389.D

Acq: 12 Oct 2022 14:03

Instrument :

MSVOA\_U

ClientSampleId :

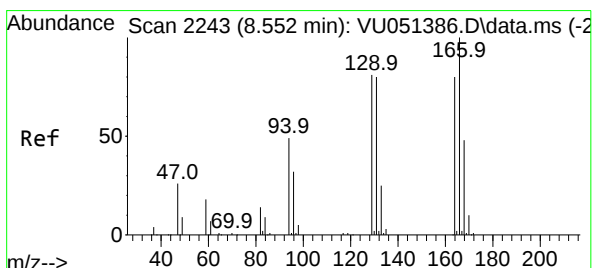
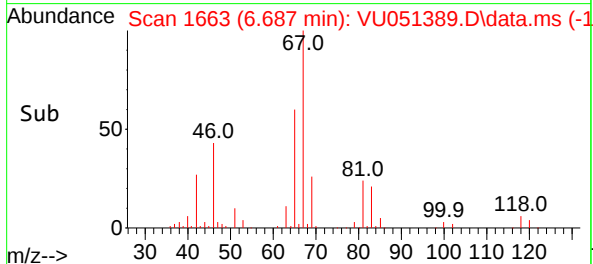
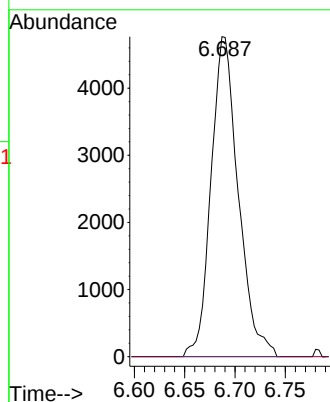
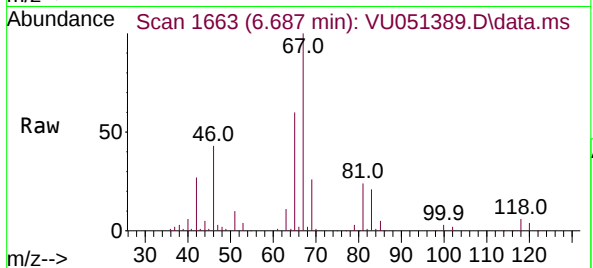
BGS12

Tgt Ion: 63 Resp: 8995

Ion Ratio Lower Upper

63 100

112 0.6 3.2 4.8#



#47

Tetrachloroethene

Concen: 4.135 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051389.D

Acq: 12 Oct 2022 14:03

Tgt Ion: 164 Resp: 53139

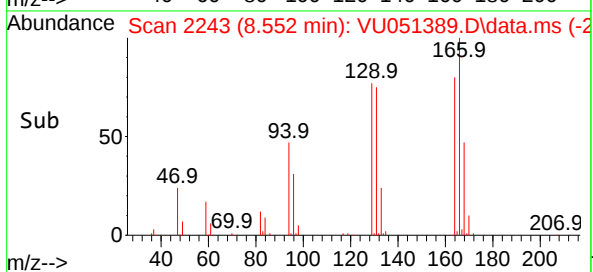
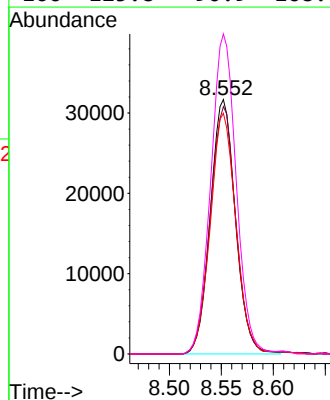
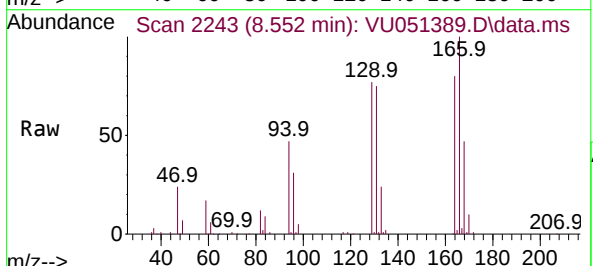
Ion Ratio Lower Upper

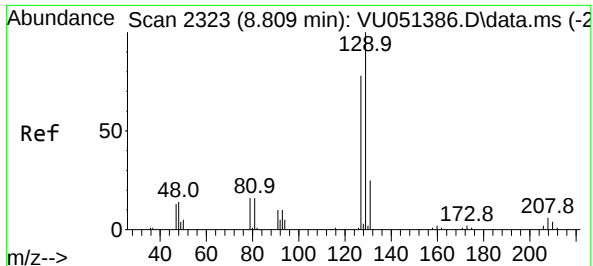
164 100

129 97.2 71.3 132.3

131 94.6 66.9 124.3

166 125.8 90.9 168.7





#49

Dibromochloromethane

Concen: 3.507 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU051389.D

Acq: 12 Oct 2022 14:03

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MSVOA\_U

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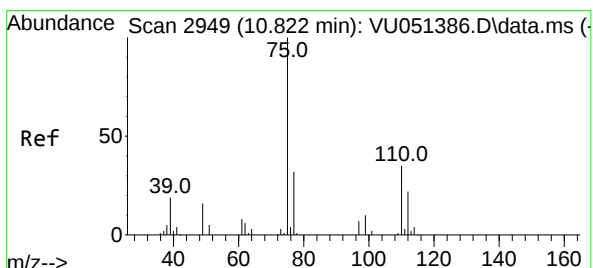
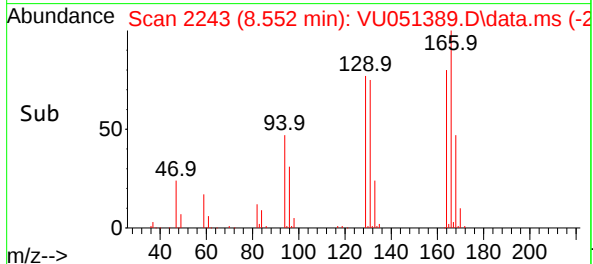
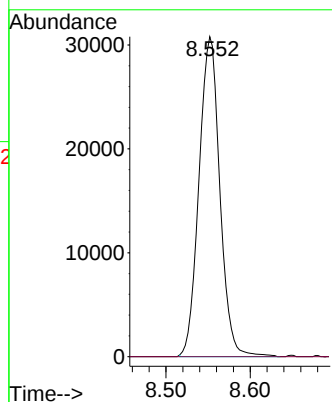
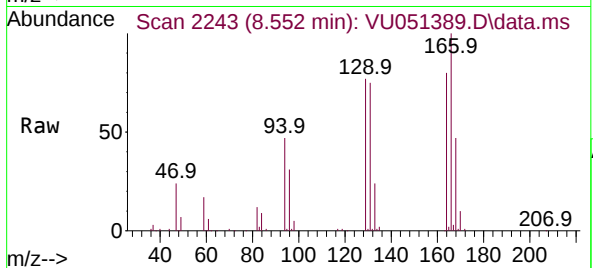
BGS12

Tgt Ion:129 Resp: 53098

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.022 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU051389.D

Acq: 12 Oct 2022 14:03

Tgt Ion: 75 Resp: 10505

Ion Ratio Lower Upper

75 100

110 1.1 27.0 40.6#

77 30.5 26.4 39.6

