

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122222\  
 Data File : VU052512.D  
 Acq On : 22 Dec 2022 23:39  
 Operator : JC/MD  
 Sample : N6170-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBQB3

Quant Time: Dec 23 06:42:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 23 06:08:56 2022  
 Response via : Initial Calibration

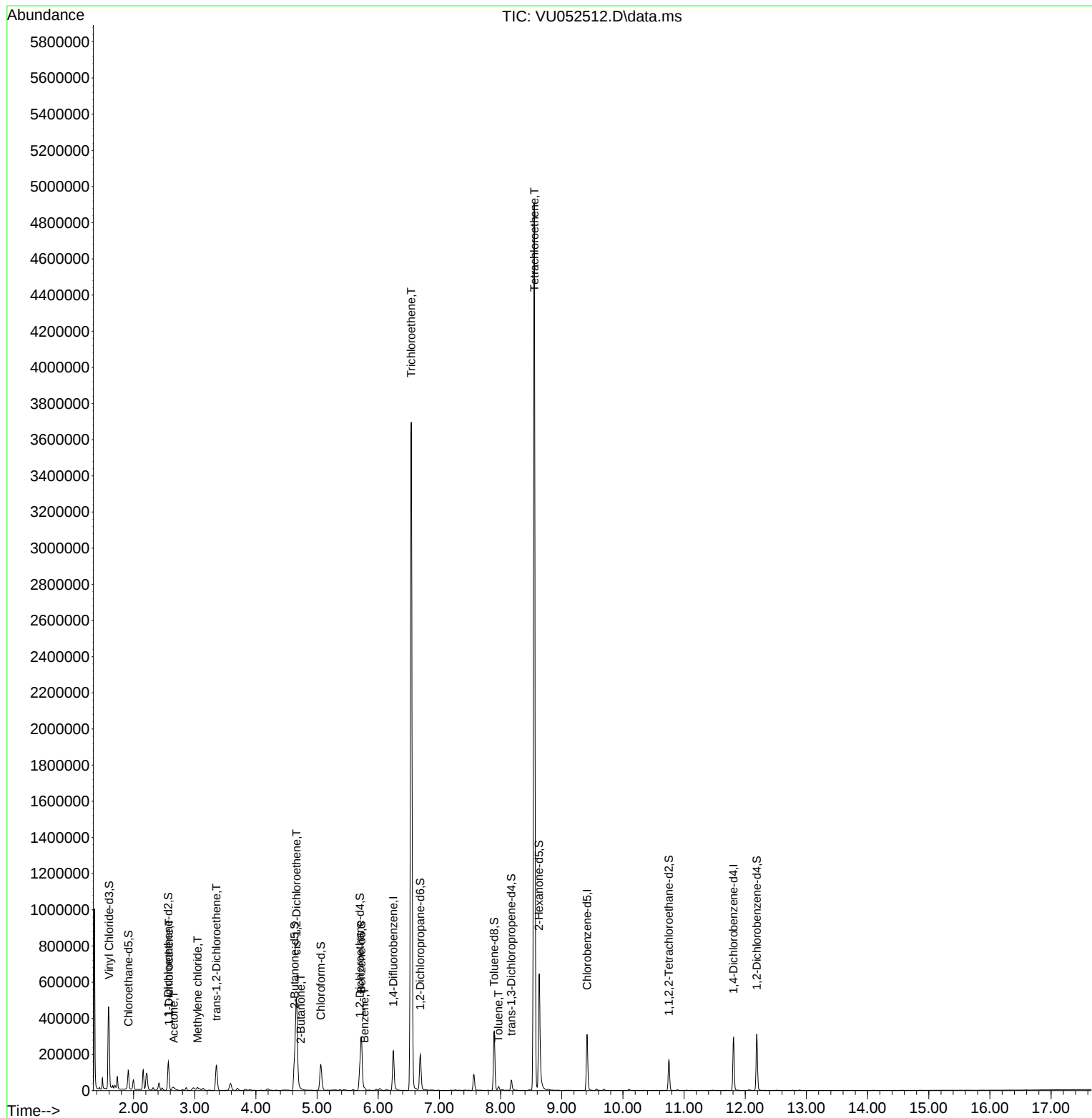
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 168574   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 165197   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 73192    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 69421    | 4.065    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.200%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 64119    | 4.353    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 31033    | 4.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.400%  |
| 20) 2-Butanone-d5             | 4.632  | 46    | 314667   | 59.415   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 118.840% |
| 24) Chloroform-d              | 5.060  | 84    | 130903   | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 82600    | 4.942    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 5.726  | 84    | 269558   | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 95348    | 4.890    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.800%  |
| 41) Toluene-d8                | 7.896  | 98    | 211810   | 4.455    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 32800    | 4.913    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 228686   | 62.610   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 125.220% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 85954    | 5.193    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 76587    | 5.140    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 2207     | 0.175    | ug/L # | 1        |
| 13) Acetone                   | 2.658  | 43    | 31225    | 7.998    | ug/L   | 99       |
| 16) Methylene chloride        | 3.047  | 84    | 6193     | 0.347    | ug/L   | 95       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 52996    | 4.073    | ug/L   | 98       |
| 21) 2-Butanone                | 4.732  | 43    | 10184    | 1.771    | ug/L # | 65       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 221536   | 15.514   | ug/L   | 96       |
| 33) Benzene                   | 5.774  | 78    | 12011    | 0.202    | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95    | 1270406  | 91.328   | ug/L   | 99       |
| 42) Toluene                   | 7.967  | 91    | 13602    | 0.238    | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.552  | 164   | 1015415  | 104.576  | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

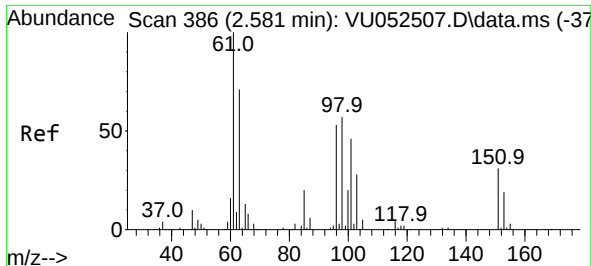
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 23 06:08:56 2022  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.175 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA\_U

ClientSampleId :

GBQB3

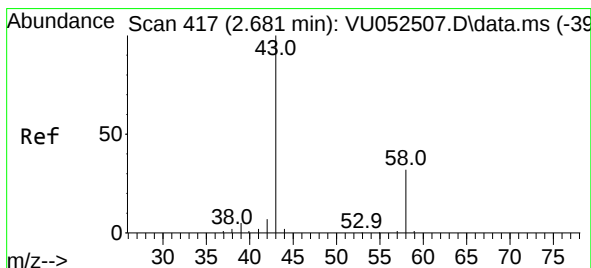
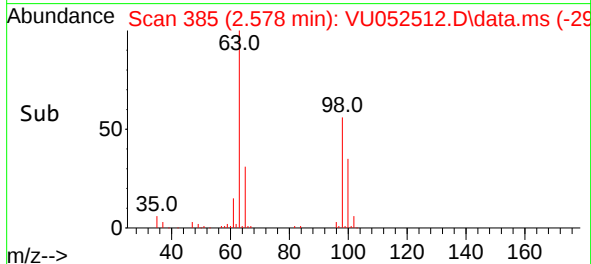
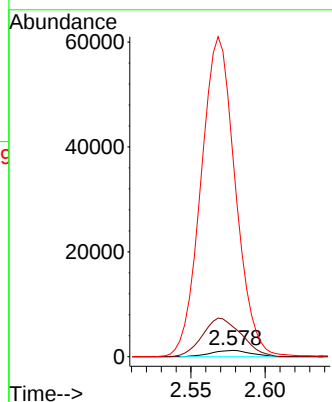
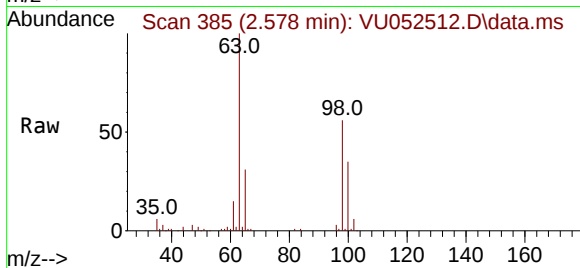
Tgt Ion: 96 Resp: 2207

Ion Ratio Lower Upper

96 100

61 484.6 135.4 251.4#

63 3295.7 95.4 177.2#



#13

Acetone

Concen: 7.998 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.022 min

Lab File: VU052512.D

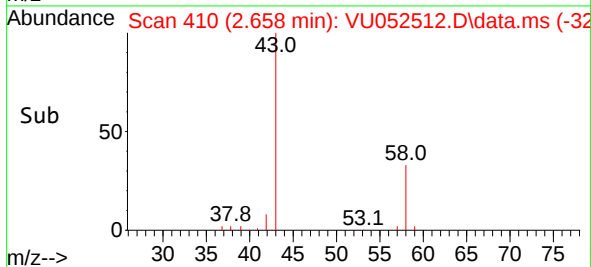
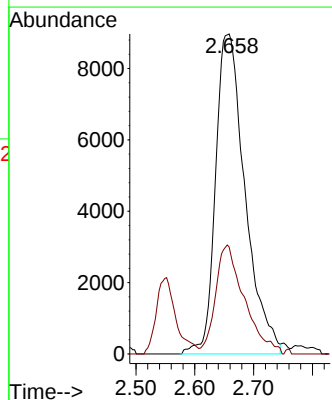
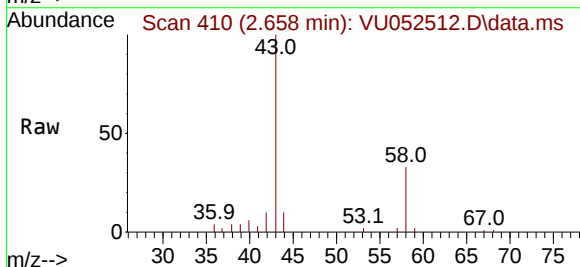
Acq: 22 Dec 2022 23:39

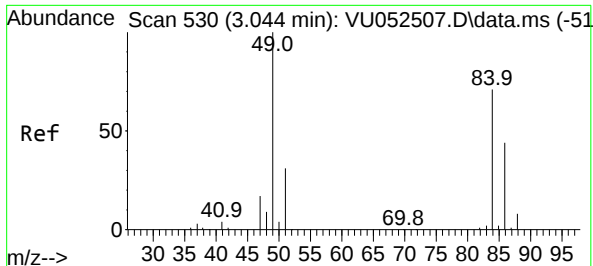
Tgt Ion: 43 Resp: 31225

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4

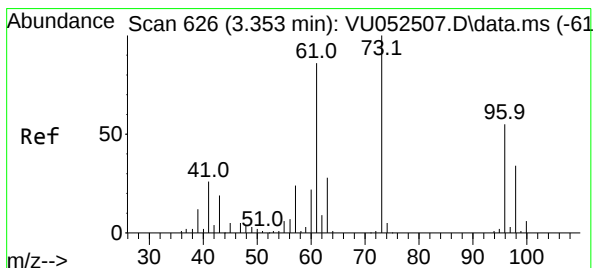
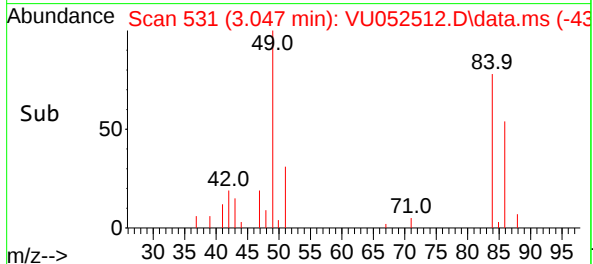
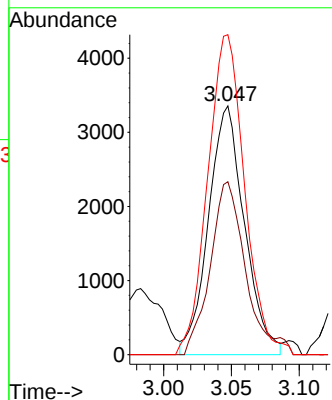
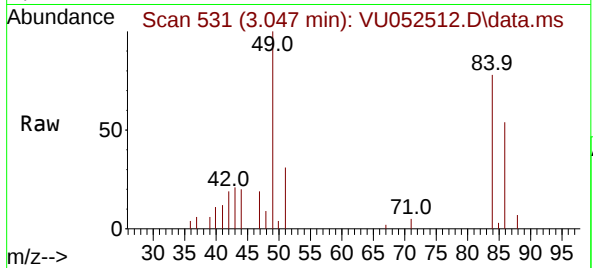




#16  
Methylene chloride  
Concen: 0.347 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU052512.D  
Acq: 22 Dec 2022 23:39

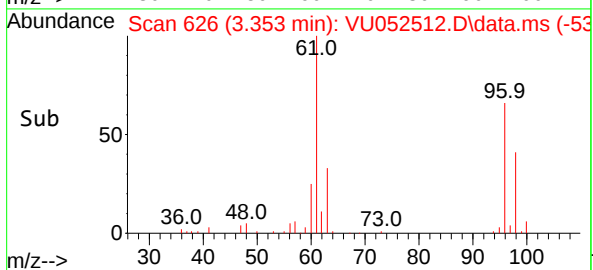
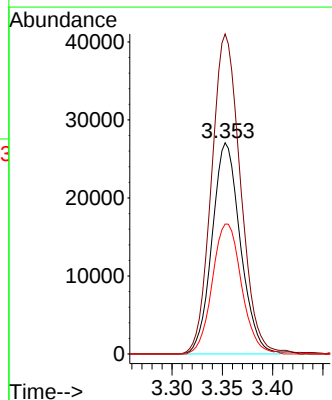
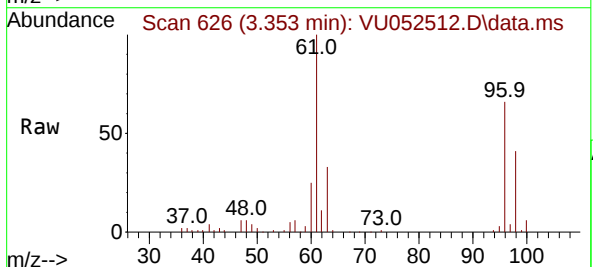
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQB3

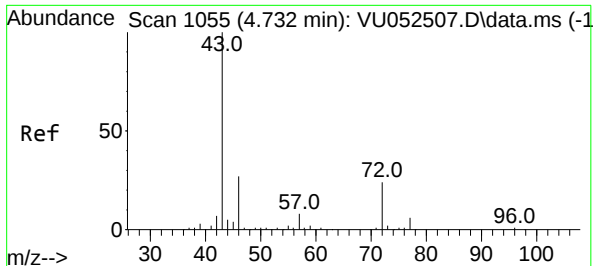
Tgt Ion: 84 Resp: 6193  
Ion Ratio Lower Upper  
84 100  
86 69.5 44.7 83.1  
49 128.6 93.3 173.3



#18  
trans-1,2-Dichloroethene  
Concen: 4.073 ug/L  
RT: 3.353 min Scan# 626  
Delta R.T. 0.000 min  
Lab File: VU052512.D  
Acq: 22 Dec 2022 23:39

Tgt Ion: 96 Resp: 52996  
Ion Ratio Lower Upper  
96 100  
61 151.5 108.3 201.1  
98 61.6 44.0 81.6





#21

2-Butanone

Concen: 1.771 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA\_U

ClientSampleId :

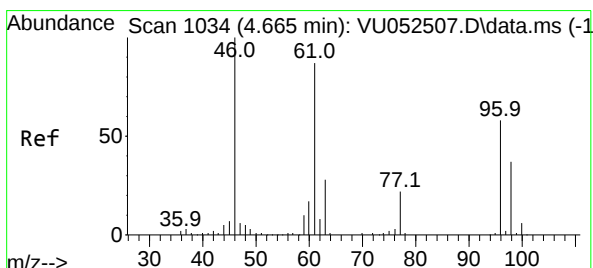
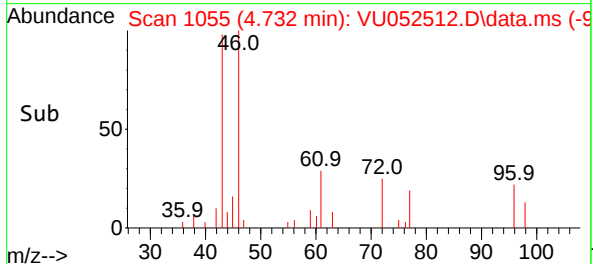
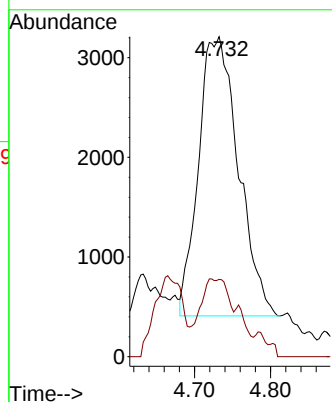
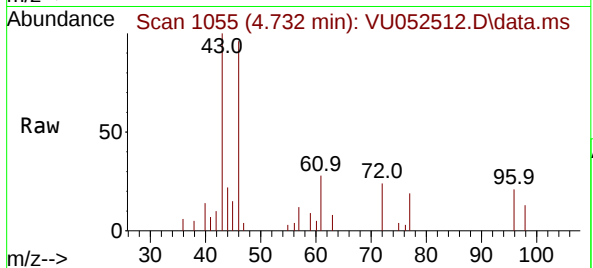
GBQB3

Tgt Ion: 43 Resp: 10184

Ion Ratio Lower Upper

43 100

72 6.1 11.6 34.7#



#22

cis-1,2-Dichloroethene

Concen: 15.514 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

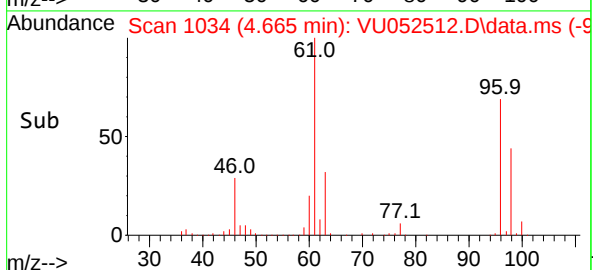
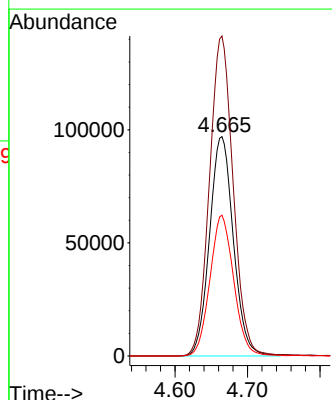
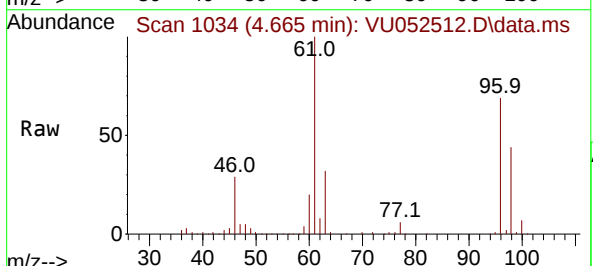
Tgt Ion: 96 Resp: 221536

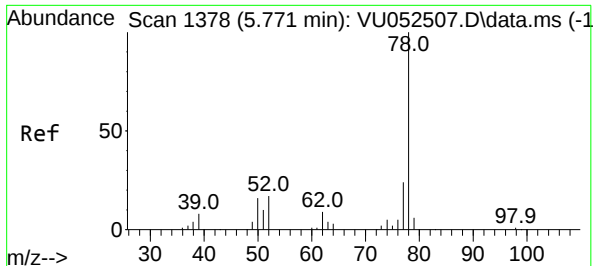
Ion Ratio Lower Upper

96 100

61 145.9 96.9 180.1

98 64.2 44.7 83.1

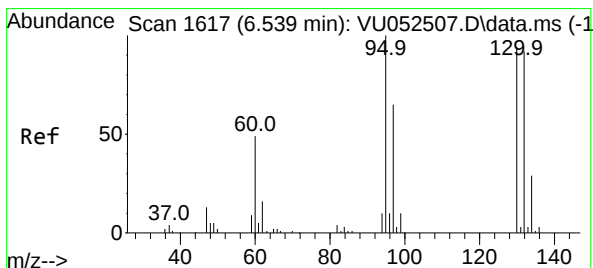
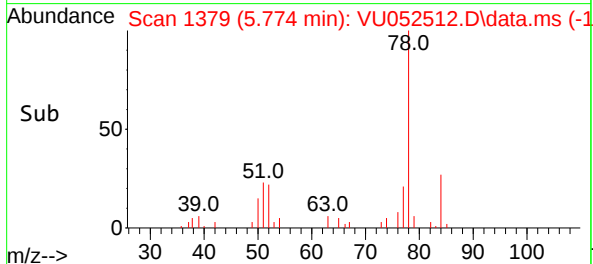
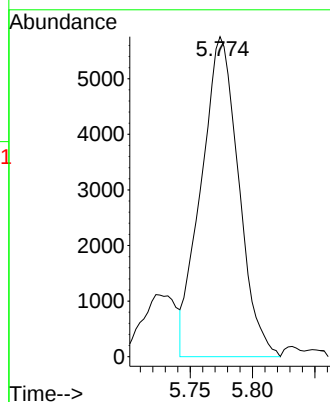
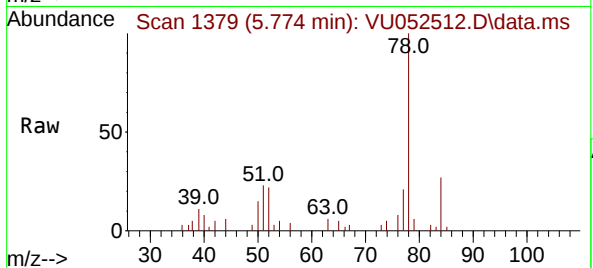




#33  
Benzene  
Concen: 0.202 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU052512.D  
Acq: 22 Dec 2022 23:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQB3

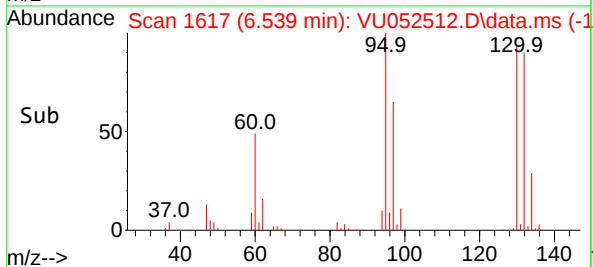
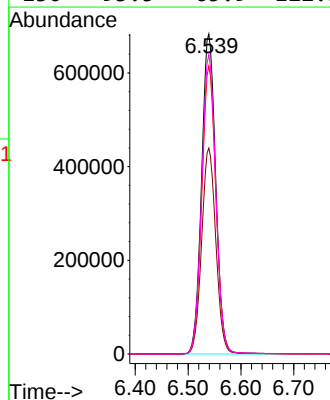
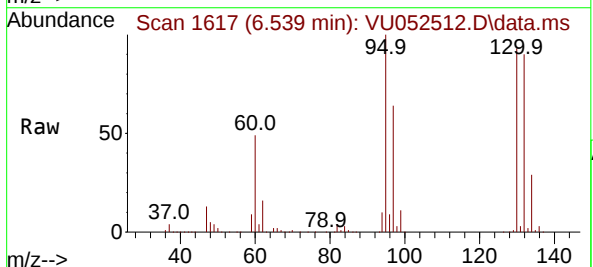
Tgt Ion: 78 Resp: 12011

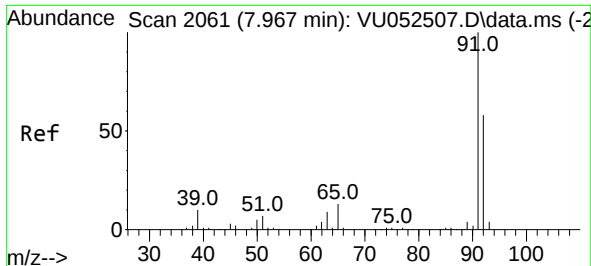


#34  
Trichloroethene  
Concen: 91.328 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU052512.D  
Acq: 22 Dec 2022 23:39

Tgt Ion: 95 Resp: 1270406

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 46.3  | 86.1  |
| 132 | 90.0  | 63.9  | 118.7 |
| 130 | 93.5  | 65.9  | 122.5 |





#42

Toluene

Concen: 0.238 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA\_U

ClientSampleId :

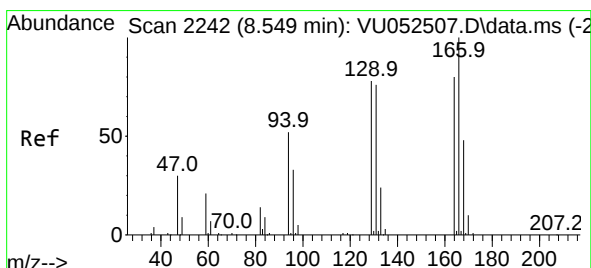
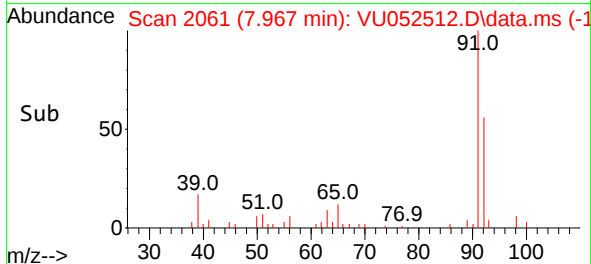
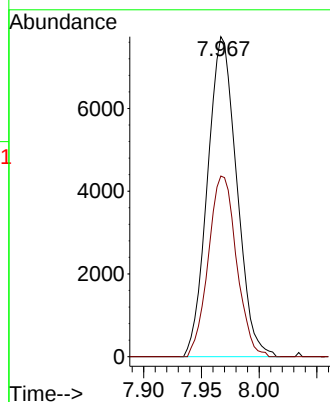
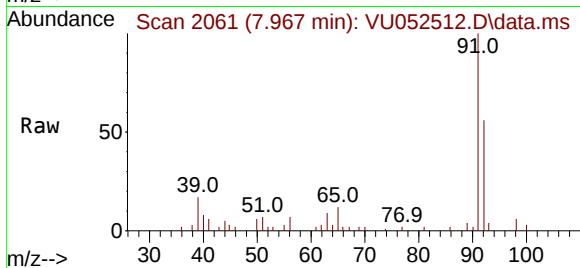
GBQB3

Tgt Ion: 91 Resp: 13602

Ion Ratio Lower Upper

91 100

92 56.4 40.6 75.4



#47

Tetrachloroethene

Concen: 104.576 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Tgt Ion: 164 Resp: 1015415

Ion Ratio Lower Upper

164 100

129 98.8 68.1 126.5

131 96.7 66.5 123.5

166 127.5 87.9 163.3

