

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072324\  
 Data File : VU060121.D  
 Acq On : 23 Jul 2024 17:46  
 Operator : MD/SY  
 Sample : P3280-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 24 04:23:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 24 04:18:44 2024  
 Response via : Initial Calibration

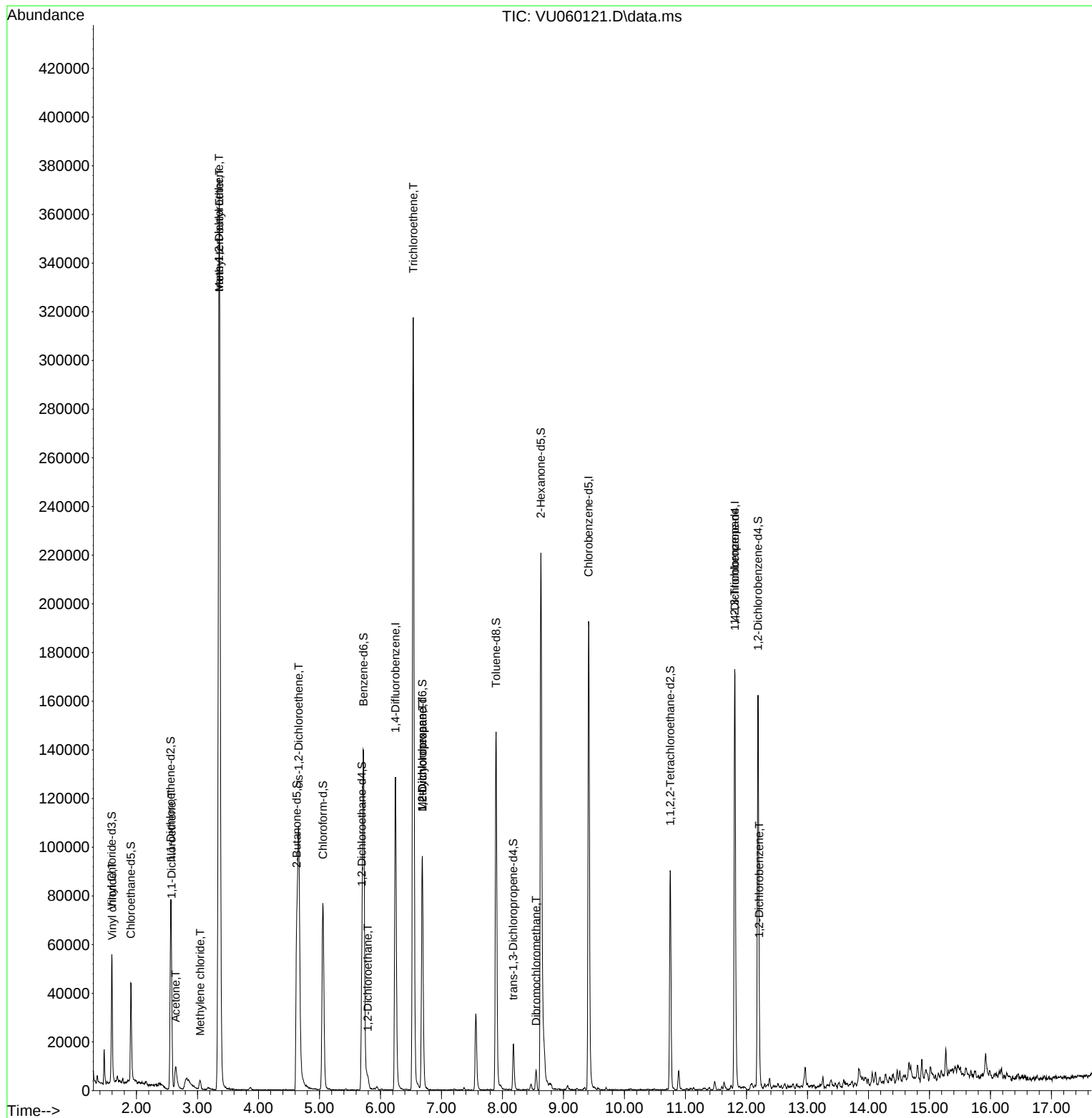
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 115437   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 119305   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 53097    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 31287    | 3.895    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 31913    | 4.277    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12229    | 3.900    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.000%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 108514   | 57.789   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.580% |
| 24) Chloroform-d              | 5.055  | 84    | 77338    | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 39378    | 5.010    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.200% |
| 32) Benzene-d6                | 5.721  | 84    | 139163   | 4.354    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.686  | 67    | 49705    | 4.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 108687   | 3.763    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 12765    | 3.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.600%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 78262    | 50.866   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 48597    | 5.361    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 47568    | 4.963    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.602  | 62    | 8032     | 0.680    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 9529     | 1.081    | ug/L # | 30       |
| 13) Acetone                   | 2.641  | 43    | 16321    | 13.139   | ug/L   | 96       |
| 16) Methylene chloride        | 3.043  | 84    | 1849     | 0.171    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 411134   | 20.461   | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.354  | 96    | 6428     | 0.701    | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 47805    | 4.657    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.792  | 62    | 3217     | 0.294    | ug/L # | 89       |
| 34) Trichloroethene           | 6.538  | 95    | 113829   | 10.890   | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.686  | 83    | 12048    | 0.879    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.686  | 63    | 4757     | 0.447    | ug/L # | 88       |
| 49) Dibromochloromethane      | 8.550  | 129   | 1869     | 0.208    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 5862     | 1.047    | ug/L # | 63       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146   | 3329     | 0.186    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

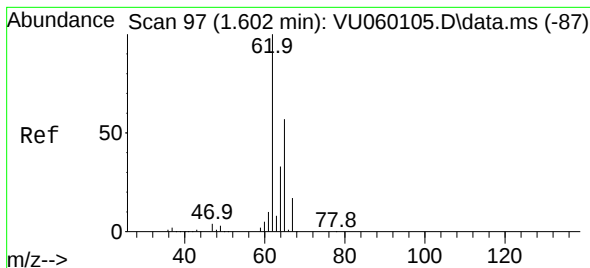
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072324\  
Data File : VU060121.D  
Acq On : 23 Jul 2024 17:46  
Operator : MD/SY  
Sample : P3280-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jul 24 04:23:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jul 24 04:18:44 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.680 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

Instrument :

MSVOA\_U

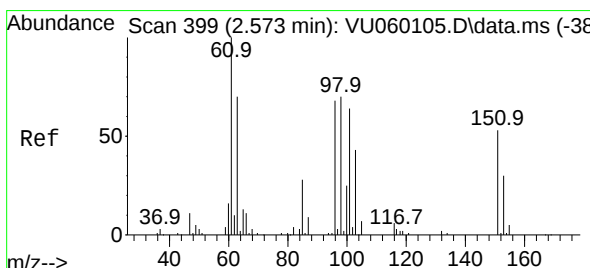
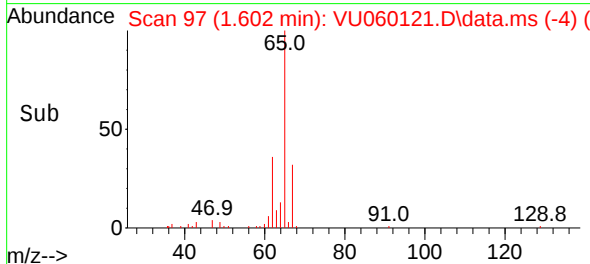
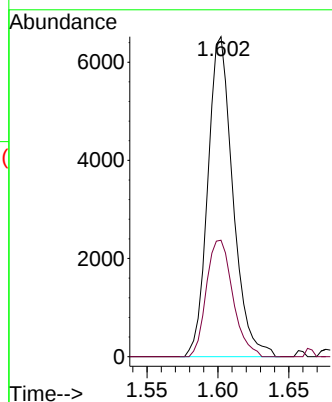
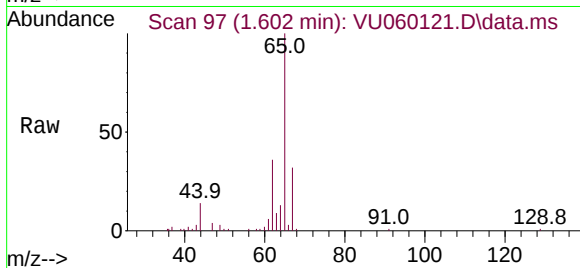
ClientSampleId :

Tgt Ion: 62 Resp: 8032

Ion Ratio Lower Upper

62 100

64 36.4 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.081 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

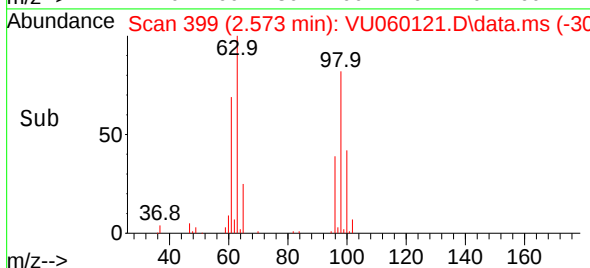
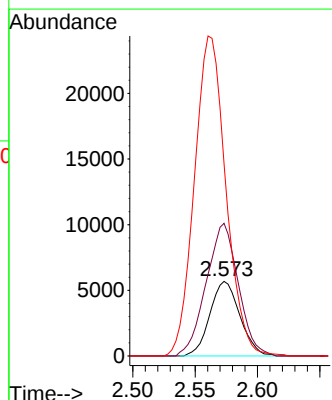
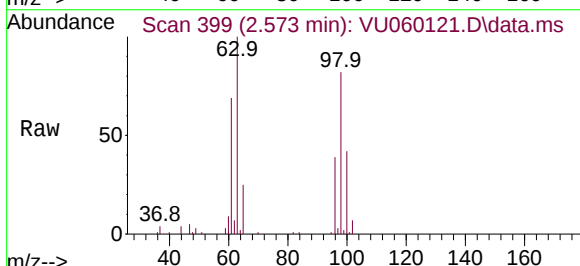
Tgt Ion: 96 Resp: 9529

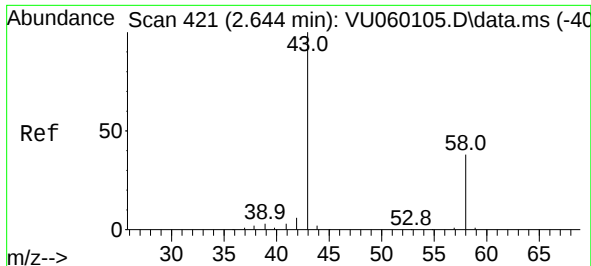
Ion Ratio Lower Upper

96 100

61 177.8 107.0 198.6

63 257.8 76.4 142.0#





#13

Acetone

Concen: 13.139 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

Instrument :

MSVOA\_U

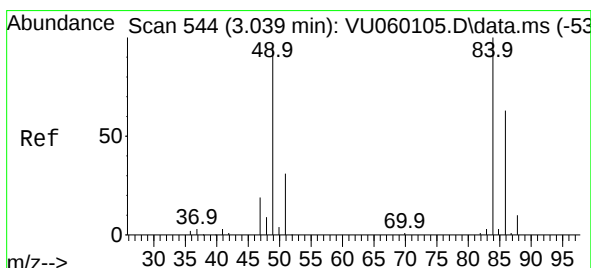
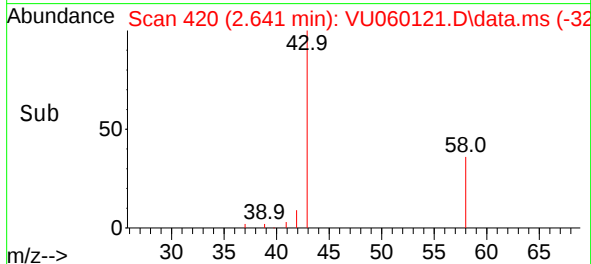
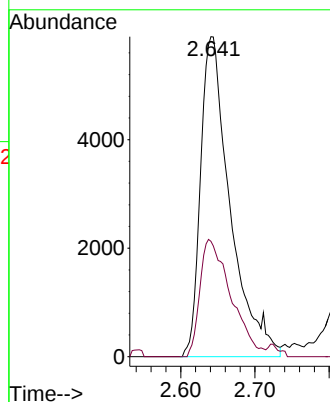
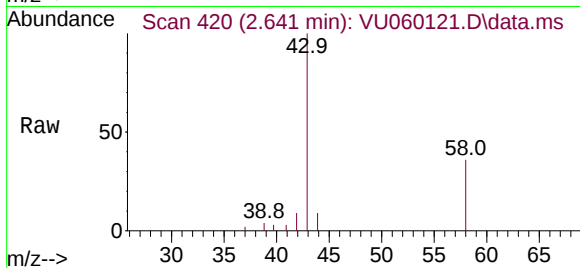
ClientSampleId :

Tgt Ion: 43 Resp: 16321

Ion Ratio Lower Upper

43 100

58 38.5 0.0 82.2



#16

Methylene chloride

Concen: 0.171 ug/L

RT: 3.043 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

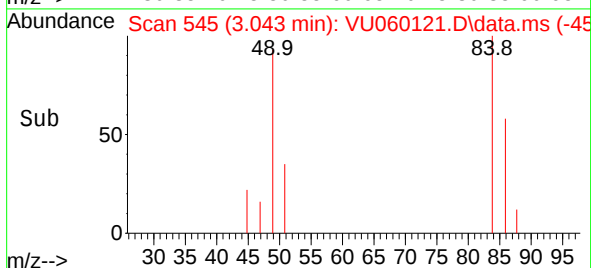
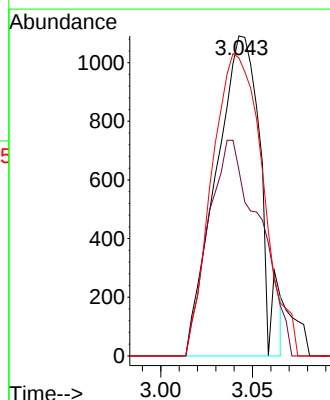
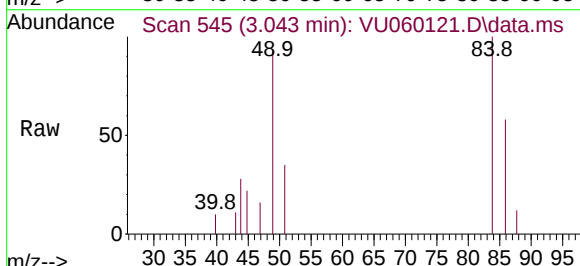
Tgt Ion: 84 Resp: 1849

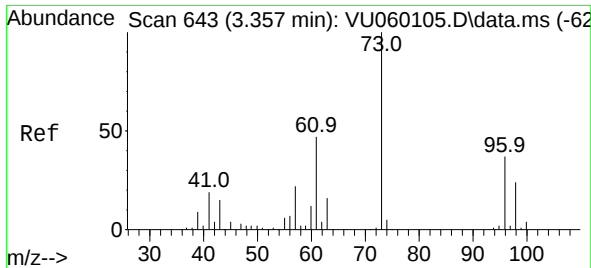
Ion Ratio Lower Upper

84 100

86 58.1 44.4 82.5

49 93.1 72.0 133.6

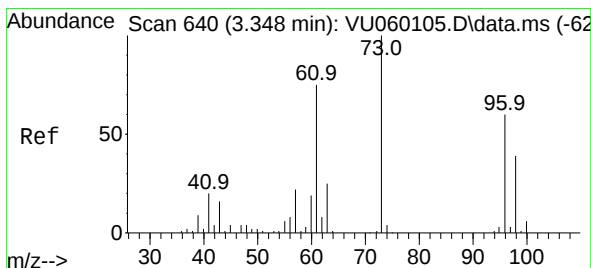
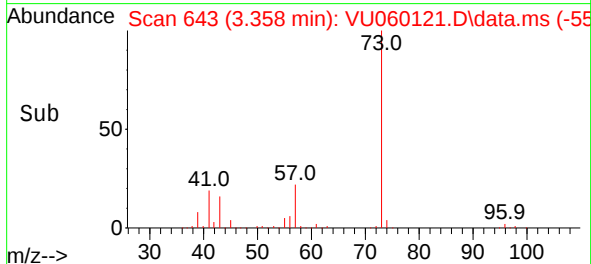
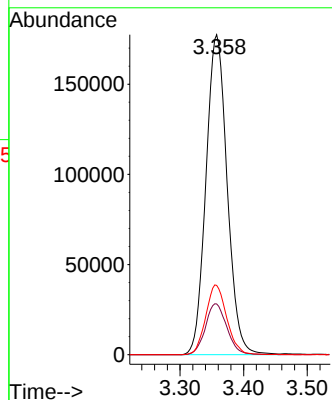
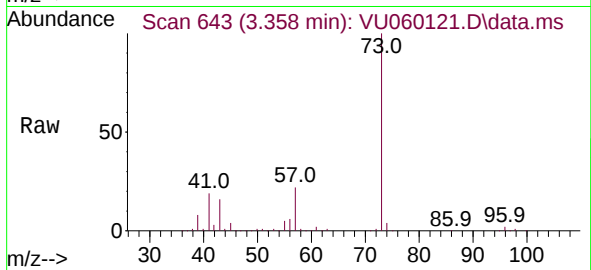




#17  
Methyl tert-butyl Ether  
Concen: 20.461 ug/L  
RT: 3.358 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VU060121.D  
Acq: 23 Jul 2024 17:46

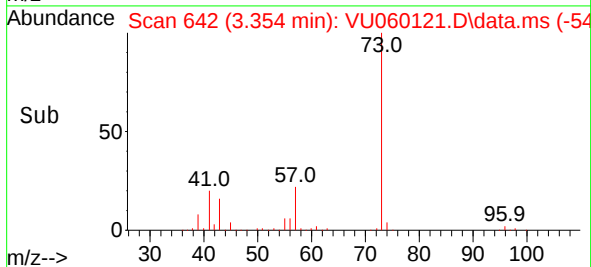
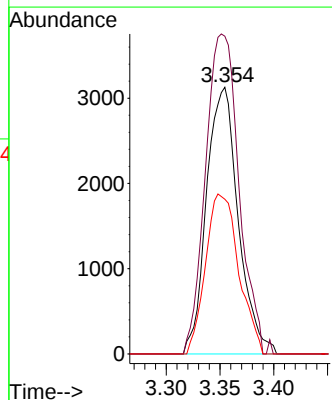
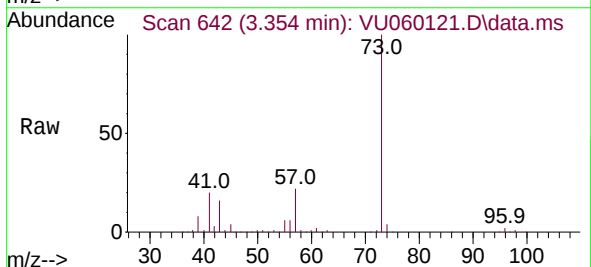
Instrument :  
MSVOA\_U  
ClientSampleId :

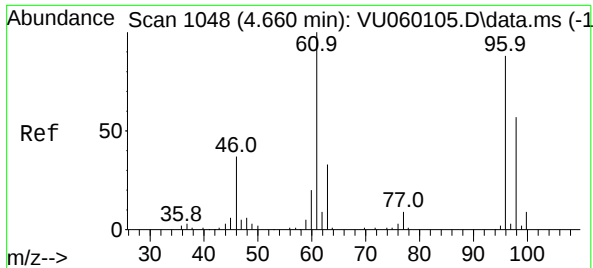
Tgt Ion: 73 Resp: 411134  
Ion Ratio Lower Upper  
73 100  
43 16.1 13.1 19.7  
57 21.6 17.0 25.4



#18  
trans-1,2-Dichloroethene  
Concen: 0.701 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.007 min  
Lab File: VU060121.D  
Acq: 23 Jul 2024 17:46

Tgt Ion: 96 Resp: 6428  
Ion Ratio Lower Upper  
96 100  
61 119.1 91.6 170.0  
98 58.0 47.7 88.5

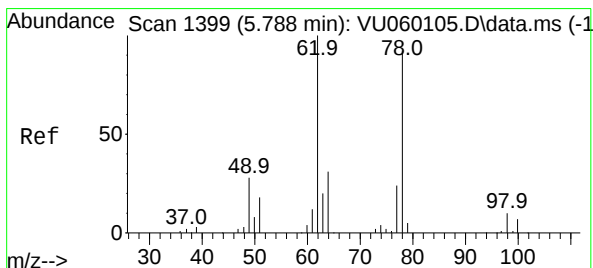
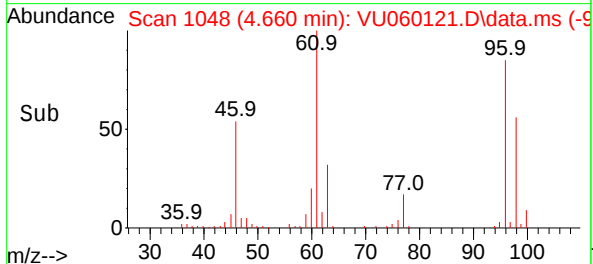
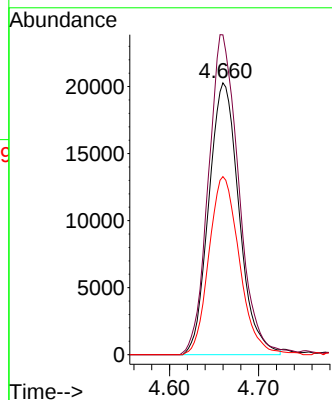
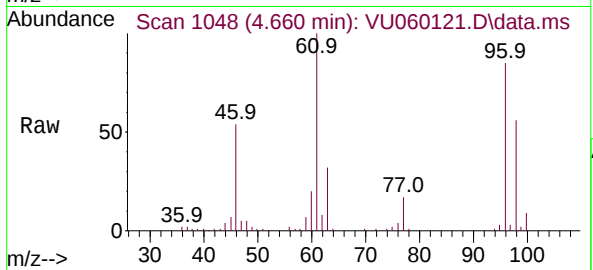




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.657 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.000 min  
 Lab File: VU060121.D  
 Acq: 23 Jul 2024 17:46

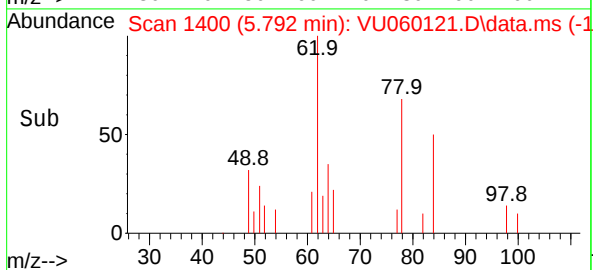
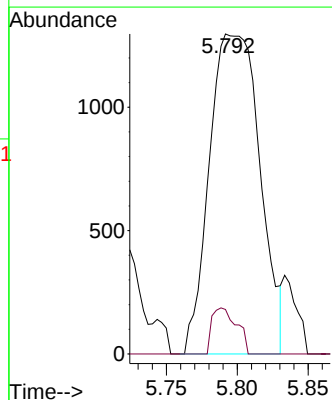
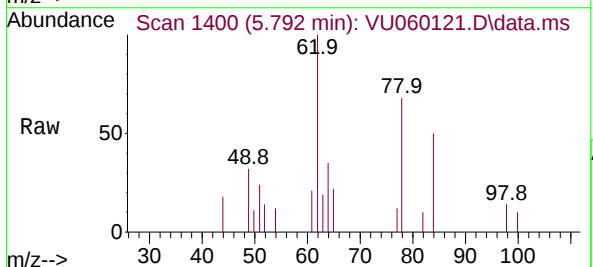
Instrument :  
 MSVOA\_U  
 ClientSampleId :

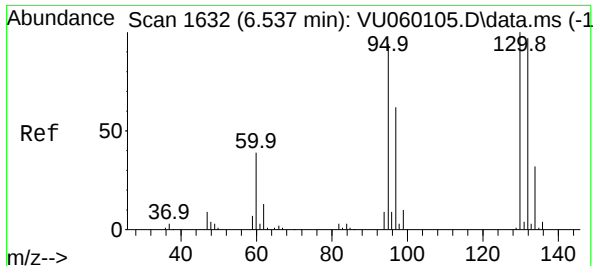
Tgt Ion: 96 Resp: 47805  
 Ion Ratio Lower Upper  
 96 100  
 61 117.7 80.2 148.9  
 98 65.5 44.7 83.1



#27  
 1,2-Dichloroethane  
 Concen: 0.294 ug/L  
 RT: 5.792 min Scan# 1400  
 Delta R.T. 0.003 min  
 Lab File: VU060121.D  
 Acq: 23 Jul 2024 17:46

Tgt Ion: 62 Resp: 3217  
 Ion Ratio Lower Upper  
 62 100  
 98 13.9 7.9 11.9#





#34

Trichloroethene

Concen: 10.890 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

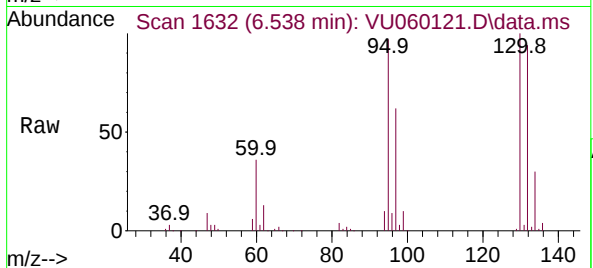
Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 95 Resp: 113829

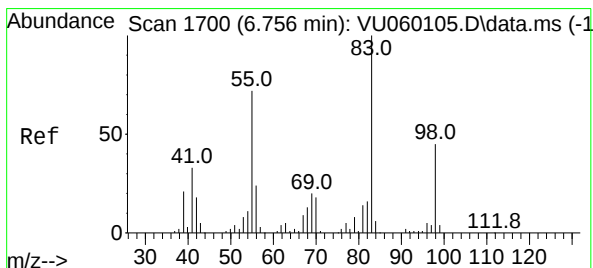
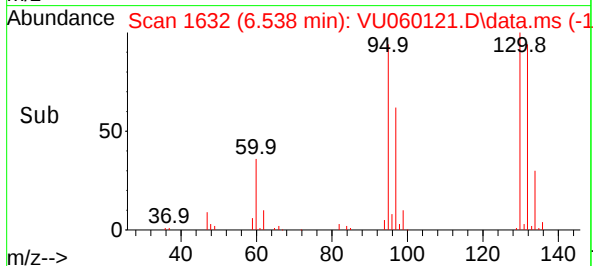
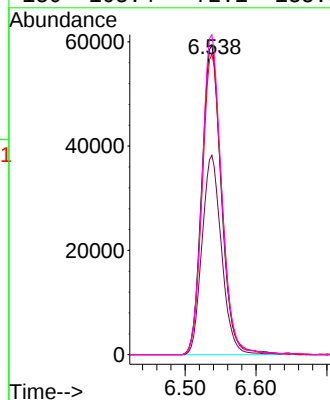
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 97.2 71.4 132.6

130 103.4 72.1 133.9



#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.686 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

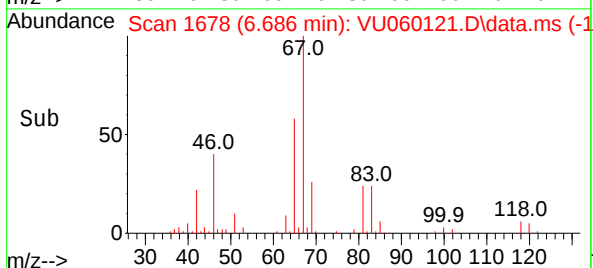
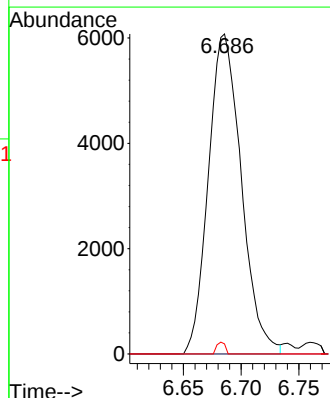
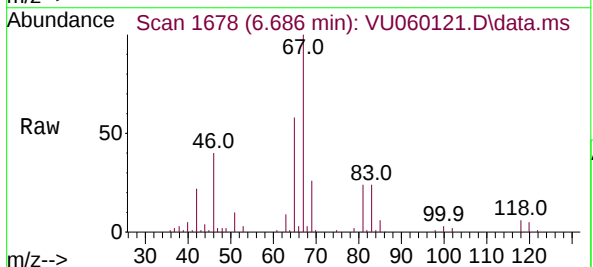
Tgt Ion: 83 Resp: 12048

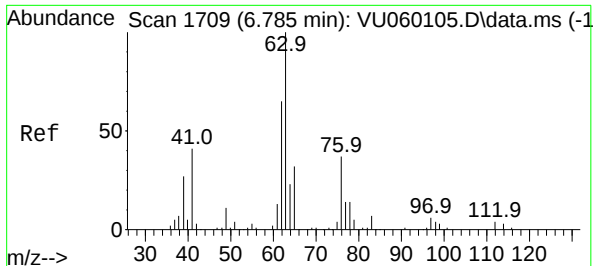
Ion Ratio Lower Upper

83 100

55 0.0 56.7 85.1#

98 0.9 36.6 55.0#

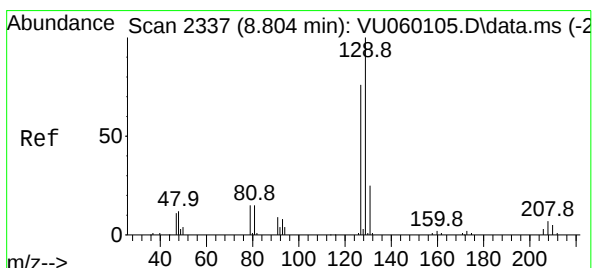
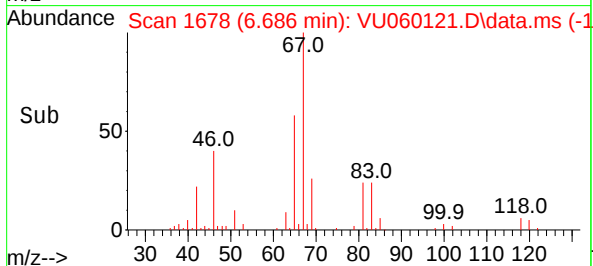
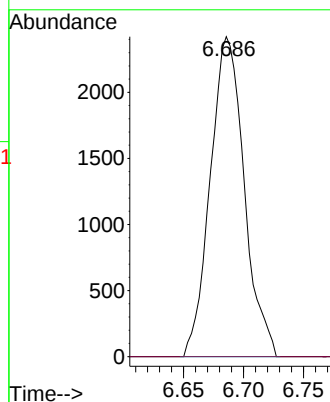
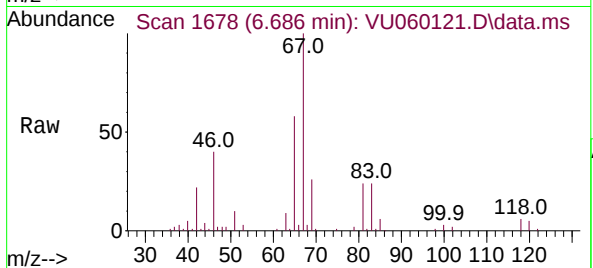




#37  
1,2-Dichloropropane  
Concen: 0.447 ug/L  
RT: 6.686 min Scan# 1  
Delta R.T. -0.099 min  
Lab File: VU060121.D  
Acq: 23 Jul 2024 17:46

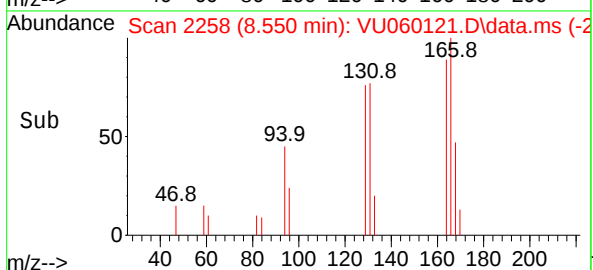
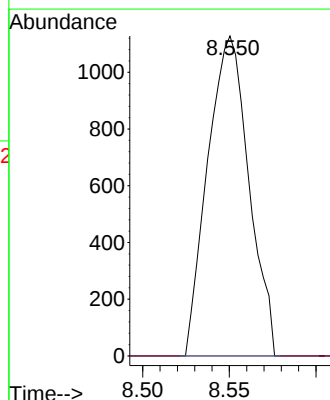
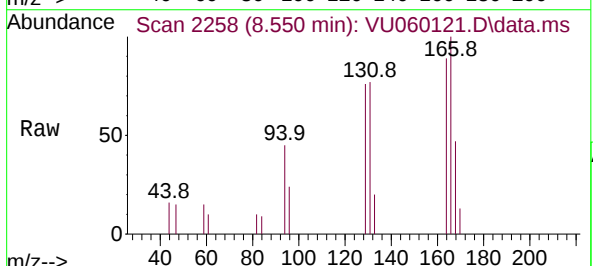
Instrument :  
MSVOA\_U  
ClientSampleId :

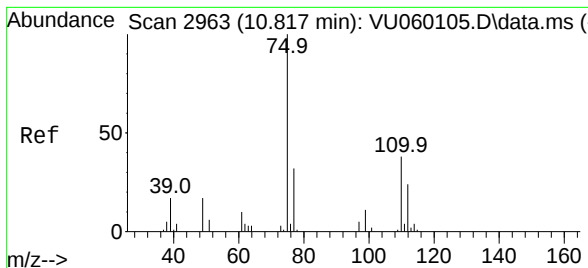
Tgt Ion: 63 Resp: 4757  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#49  
Dibromochloromethane  
Concen: 0.208 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.254 min  
Lab File: VU060121.D  
Acq: 23 Jul 2024 17:46

Tgt Ion: 129 Resp: 1869  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.6 101.4#





#61

1,2,3-Trichloropropane

Concen: 1.047 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.991 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

Instrument :

MSVOA\_U

ClientSampleId :

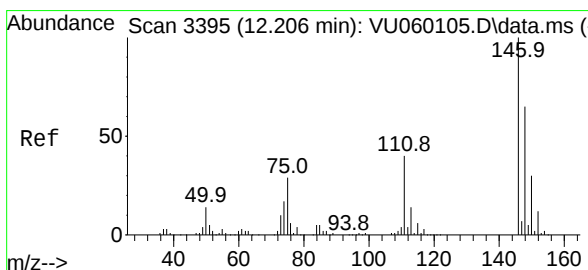
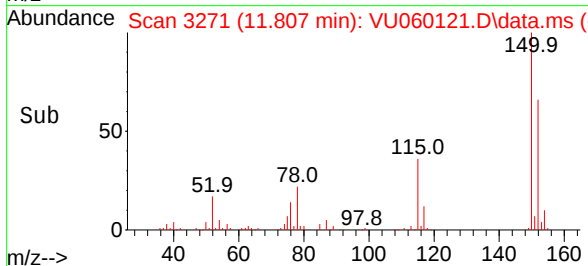
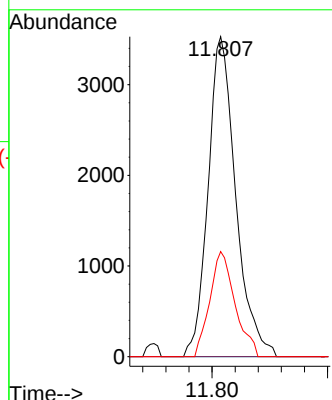
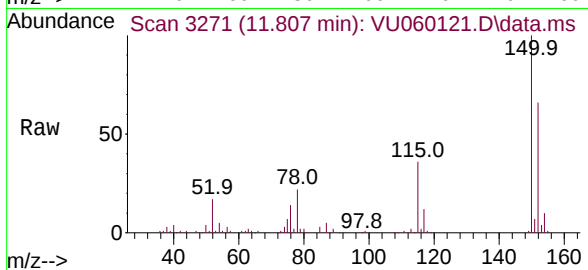
Tgt Ion: 75 Resp: 5862

Ion Ratio Lower Upper

75 100

110 0.0 30.8 46.2#

77 30.0 26.2 39.2



#67

1,2-Dichlorobenzene

Concen: 0.186 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU060121.D

Acq: 23 Jul 2024 17:46

Tgt Ion:146 Resp: 3329

Ion Ratio Lower Upper

146 100

111 40.5 30.9 46.3

148 59.2 49.8 74.8

