

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070324\  
 Data File : VU059761.D  
 Acq On : 03 Jul 2024 00:45  
 Operator : MD/SY  
 Sample : P3121-09DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 03 04:10:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 03 04:07:12 2024  
 Response via : Initial Calibration

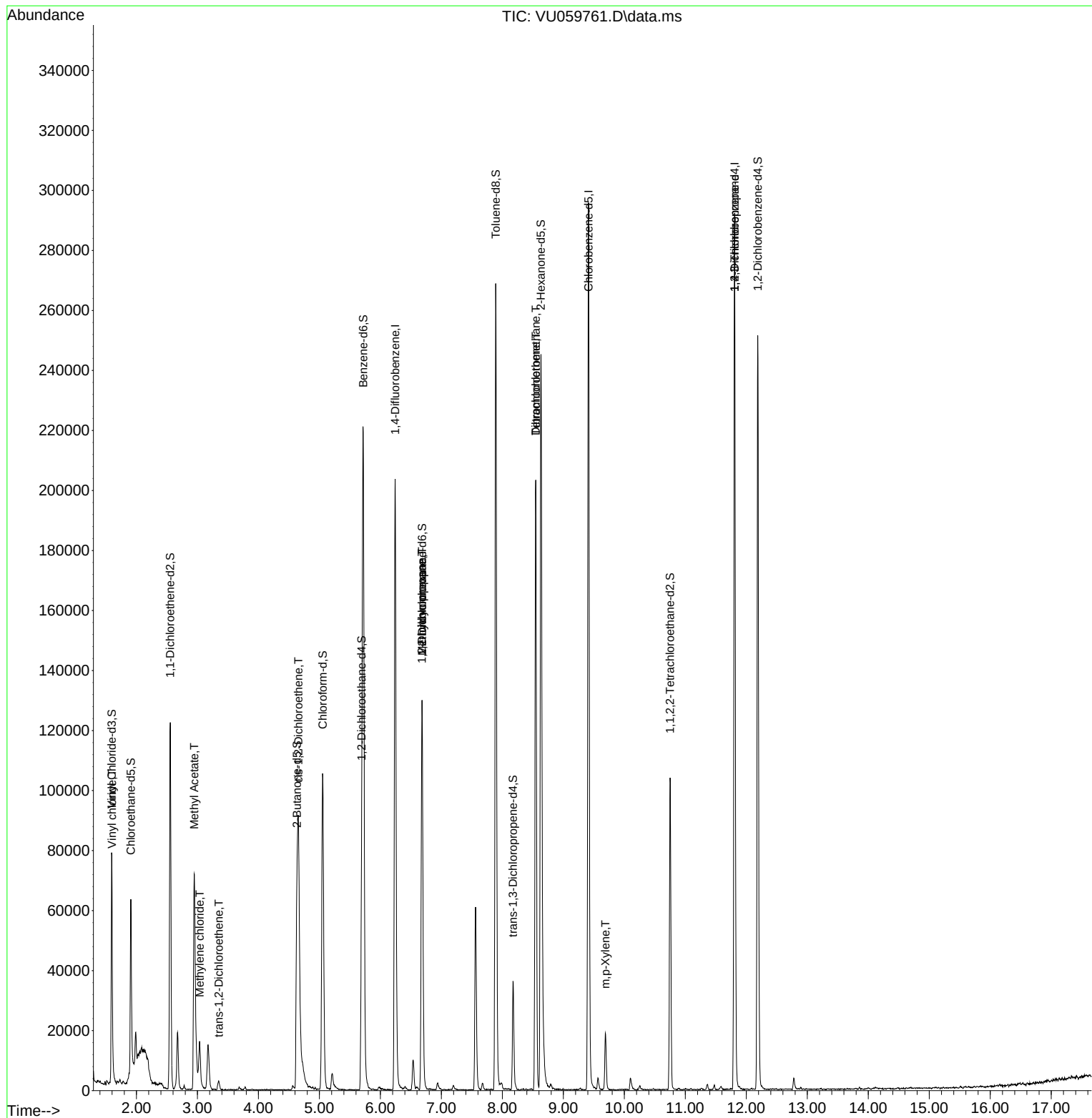
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 176888   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 176309   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 82735    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 59280    | 4.820    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 50413    | 4.260    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 22482    | 4.406    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.200%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 114673   | 45.261   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.520%  |
| 24) Chloroform-d              | 5.052  | 84    | 103172   | 4.087    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 49925    | 4.105    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.200%  |
| 32) Benzene-d6                | 5.718  | 84    | 216734   | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 67232    | 4.522    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.891  | 98    | 188323   | 4.175    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 21188    | 4.551    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.000%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 98812    | 51.078   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 54014    | 4.397    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 88.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 72022    | 4.891    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 5149     | 0.289    | ug/L # | 65       |
| 15) Methyl Acetate            | 2.946  | 43    | 106691   | 24.600   | ug/L   | 91       |
| 16) Methylene chloride        | 3.036  | 84    | 7250     | 0.488    | ug/L   | 89       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 1607     | 0.123    | ug/L # | 68       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 31484    | 2.189    | ug/L   | 90       |
| 35) Methylcyclohexane         | 6.682  | 83    | 15553    | 0.754    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.679  | 63    | 6267     | 0.452    | ug/L # | 90       |
| 47) Tetrachloroethene         | 8.547  | 164   | 47133    | 4.189    | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.547  | 129   | 44481    | 3.933    | ug/L # | 12       |
| 53) m,p-Xylene                | 9.689  | 106   | 5813     | 0.260    | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 9304     | 1.217    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

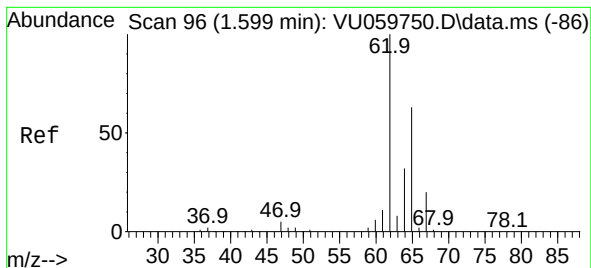
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
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Quant Time: Jul 03 04:10:24 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jul 03 04:07:12 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.289 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU059761.D

Acq: 03 Jul 2024 00:45

Instrument :

MSVOA\_U

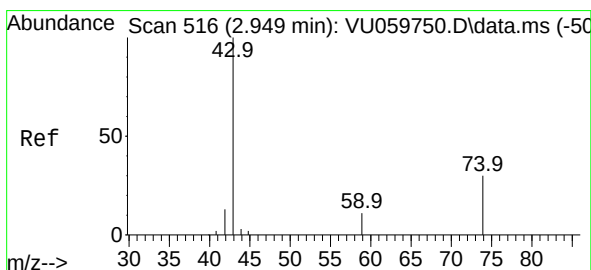
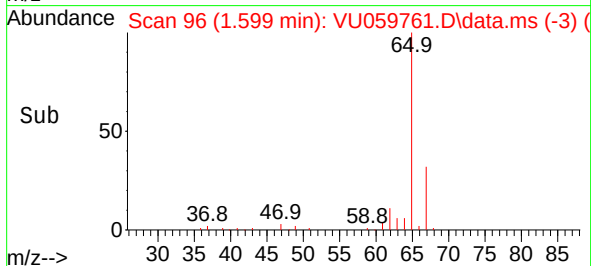
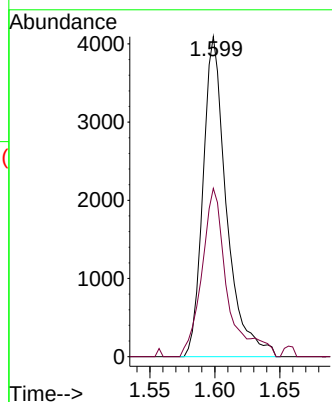
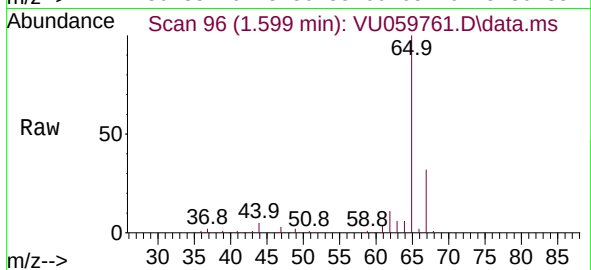
ClientSampleId :

Tgt Ion: 62 Resp: 5149

Ion Ratio Lower Upper

62 100

64 52.6 23.1 42.9#



#15

Methyl Acetate

Concen: 24.600 ug/L

RT: 2.946 min Scan# 515

Delta R.T. -0.003 min

Lab File: VU059761.D

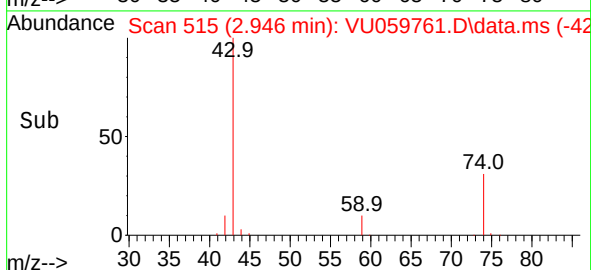
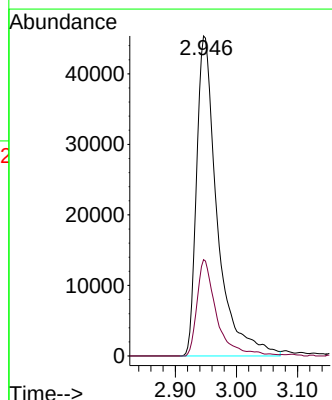
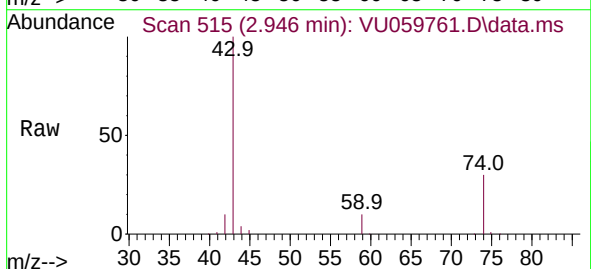
Acq: 03 Jul 2024 00:45

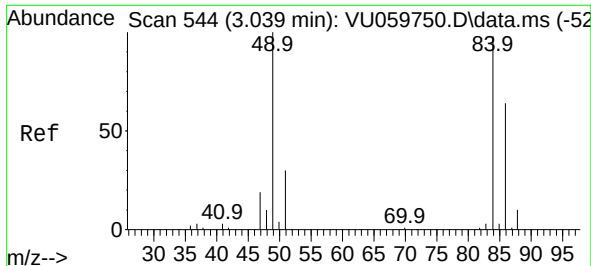
Tgt Ion: 43 Resp: 106691

Ion Ratio Lower Upper

43 100

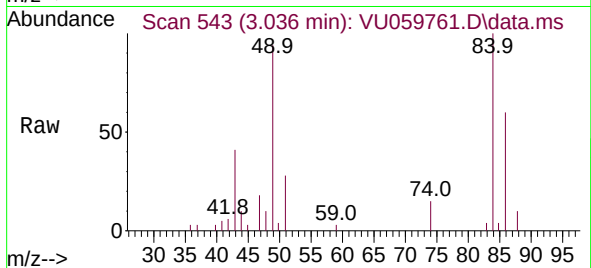
74 28.2 19.2 28.8



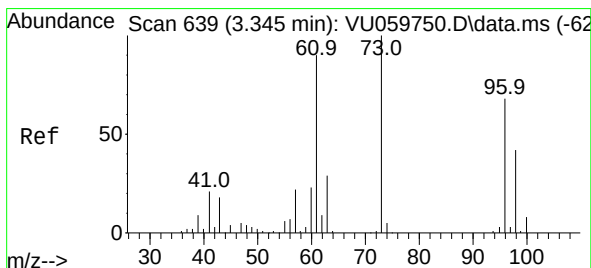
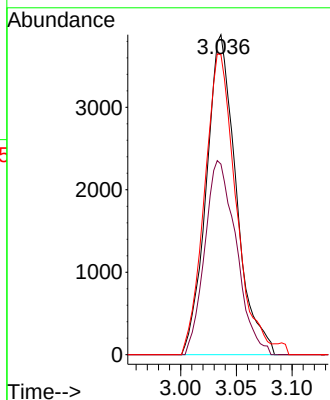
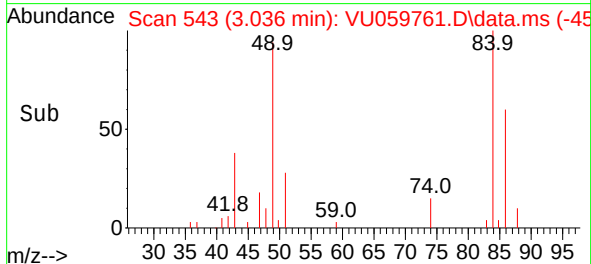


#16  
Methylene chloride  
Concen: 0.488 ug/L  
RT: 3.036 min Scan# 544  
Delta R.T. -0.003 min  
Lab File: VU059761.D  
Acq: 03 Jul 2024 00:45

Instrument :  
MSVOA\_U  
ClientSampleId :

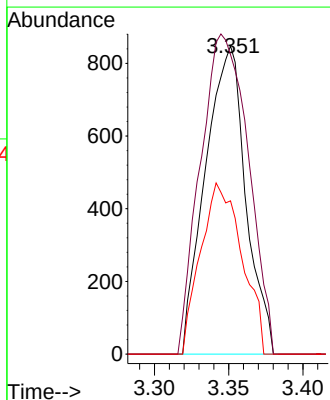
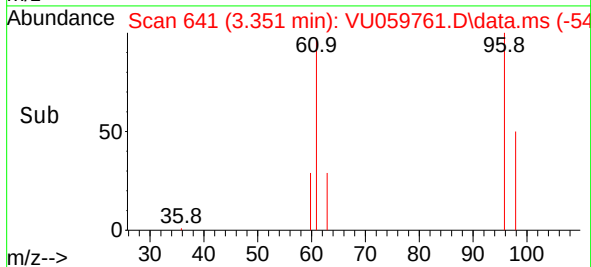
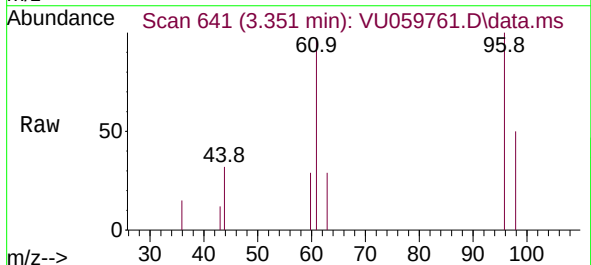


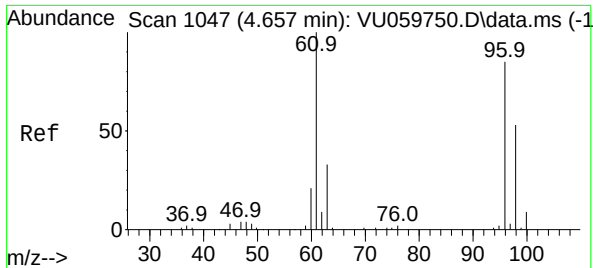
Tgt Ion: 84 Resp: 7250  
Ion Ratio Lower Upper  
84 100  
86 59.5 42.1 78.1  
49 97.4 80.6 149.8



#18  
trans-1,2-Dichloroethene  
Concen: 0.123 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VU059761.D  
Acq: 03 Jul 2024 00:45

Tgt Ion: 96 Resp: 1607  
Ion Ratio Lower Upper  
96 100  
61 97.2 101.8 189.0#  
98 49.8 43.3 80.5





#22

cis-1,2-Dichloroethene

Concen: 2.189 ug/L

RT: 4.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059761.D

Acq: 03 Jul 2024 00:45

Instrument :

MSVOA\_U

ClientSampleId :

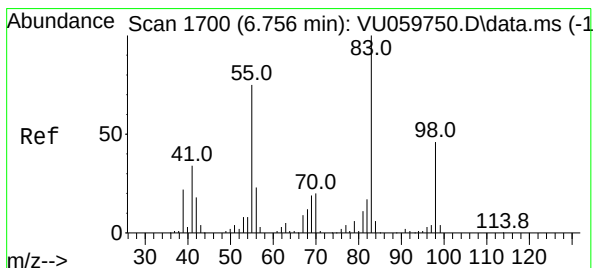
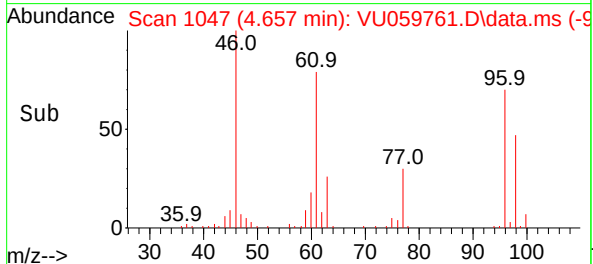
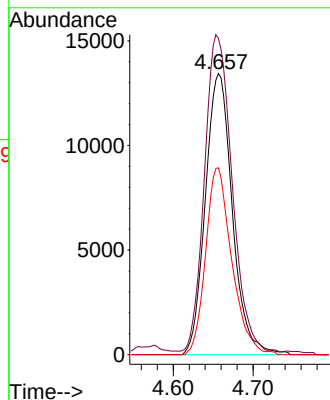
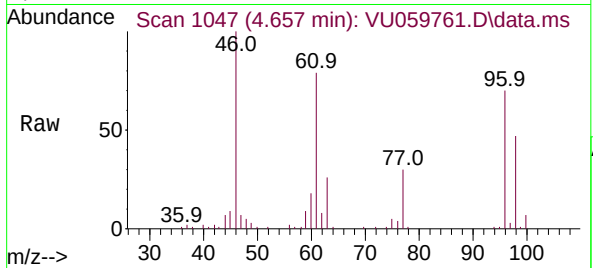
Tgt Ion: 96 Resp: 31484

Ion Ratio Lower Upper

96 100

61 112.5 87.4 162.2

98 66.5 42.3 78.5



#35

Methylcyclohexane

Concen: 0.754 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU059761.D

Acq: 03 Jul 2024 00:45

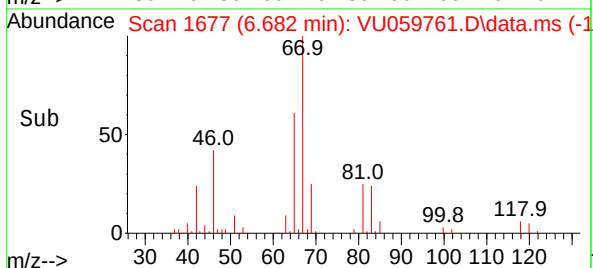
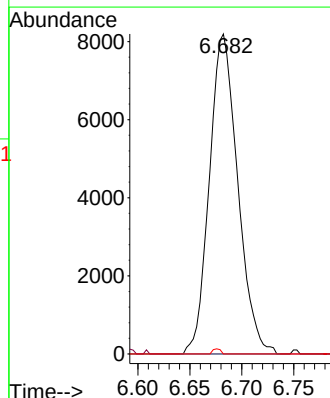
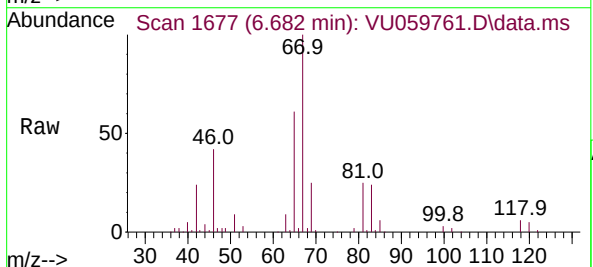
Tgt Ion: 83 Resp: 15553

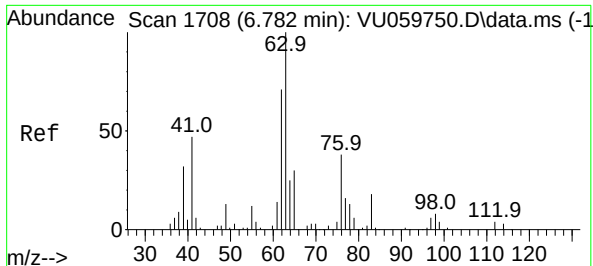
Ion Ratio Lower Upper

83 100

55 0.1 62.7 94.1#

98 0.4 35.4 53.0#

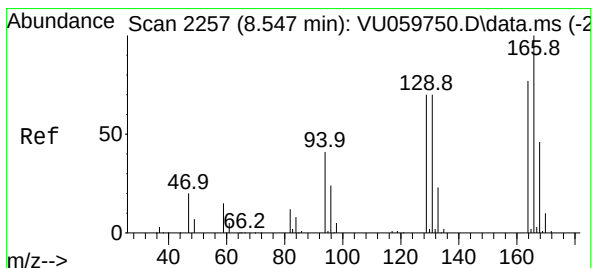
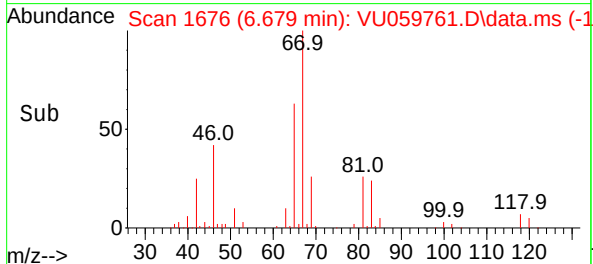
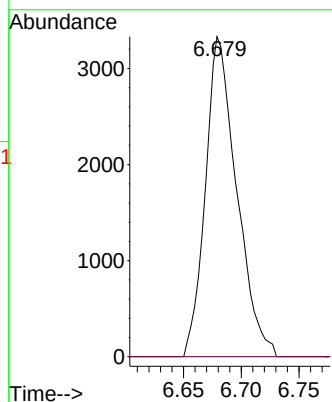
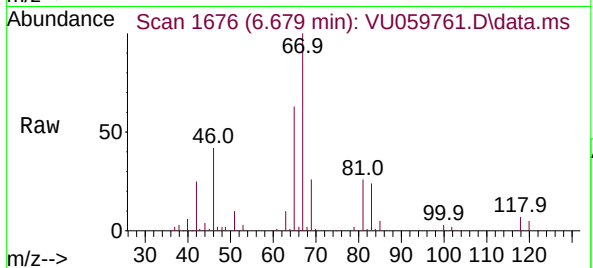




#37  
1,2-Dichloropropane  
Concen: 0.452 ug/L  
RT: 6.679 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU059761.D  
Acq: 03 Jul 2024 00:45

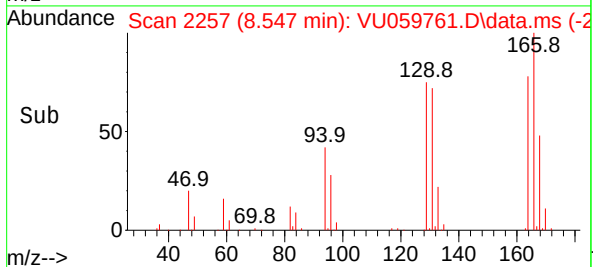
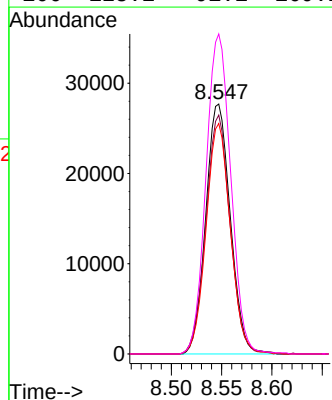
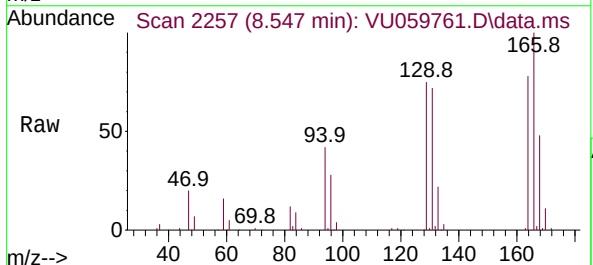
Instrument :  
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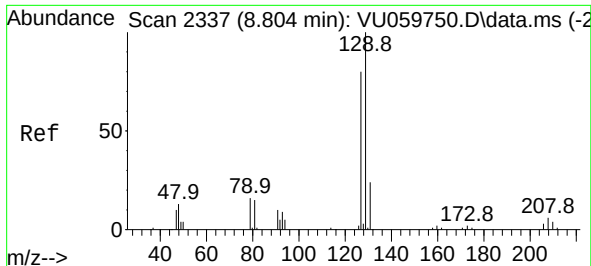
Tgt Ion: 63 Resp: 6267  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 3.8#



#47  
Tetrachloroethene  
Concen: 4.189 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU059761.D  
Acq: 03 Jul 2024 00:45

Tgt Ion:164 Resp: 47133  
Ion Ratio Lower Upper  
164 100  
129 95.6 70.8 131.4  
131 92.2 64.8 120.3  
166 128.1 91.1 169.1





#49

Dibromochloromethane

Concen: 3.933 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU059761.D

Acq: 03 Jul 2024 00:45

Instrument :

MSVOA\_U

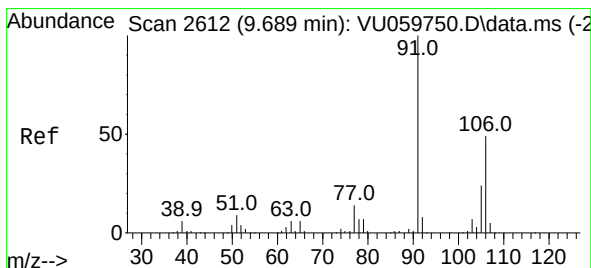
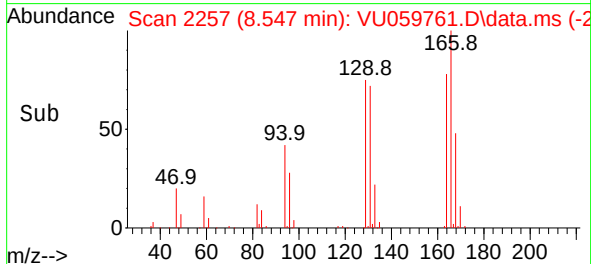
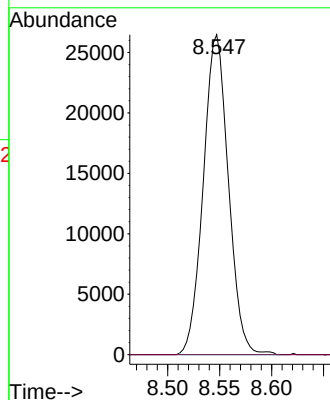
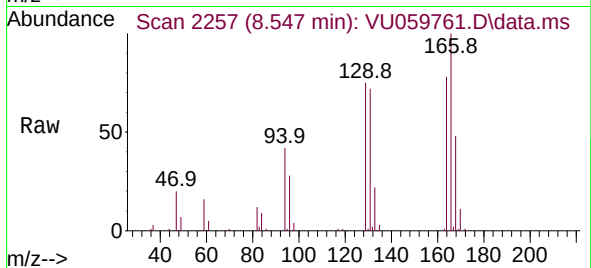
ClientSampleId :

Tgt Ion:129 Resp: 44481

Ion Ratio Lower Upper

129 100

127 0.0 52.5 97.5#



#53

m,p-Xylene

Concen: 0.260 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059761.D

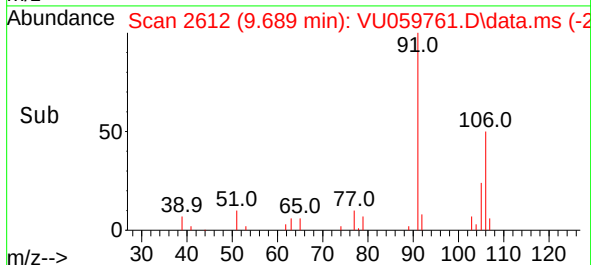
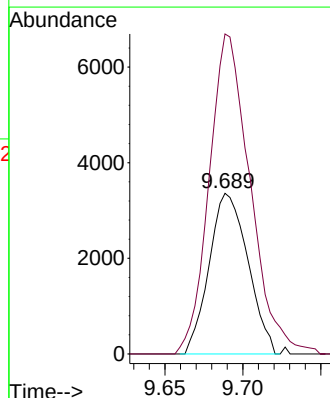
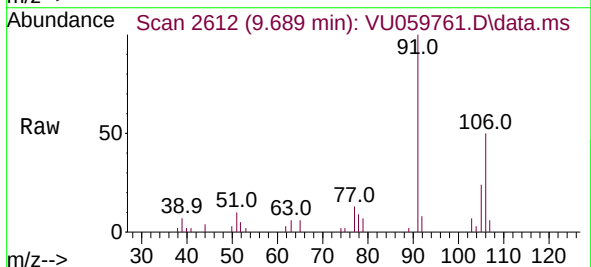
Acq: 03 Jul 2024 00:45

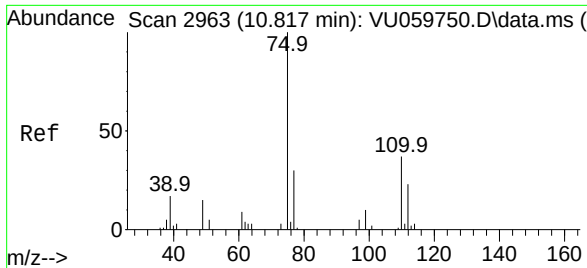
Tgt Ion:106 Resp: 5813

Ion Ratio Lower Upper

106 100

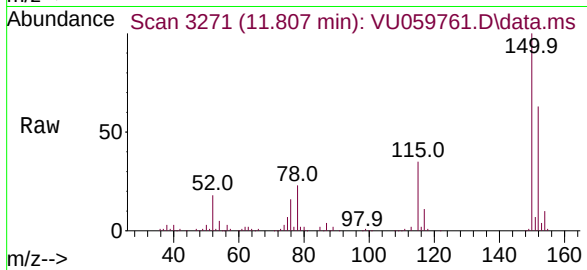
91 199.2 142.0 263.8





#61  
 1,2,3-Trichloropropane  
 Concen: 1.217 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU059761.D  
 Acq: 03 Jul 2024 00:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 9304  
 Ion Ratio Lower Upper  
 75 100  
 110 1.1 27.1 40.7#  
 77 34.1 25.4 38.2

