

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041423\  
 Data File : VU053725.D  
 Acq On : 14 Apr 2023 19:30  
 Operator : JC/MD  
 Sample : 02299-03DL 200X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AE9DL

Quant Time: Apr 15 05:35:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 15 05:28:57 2023  
 Response via : Initial Calibration

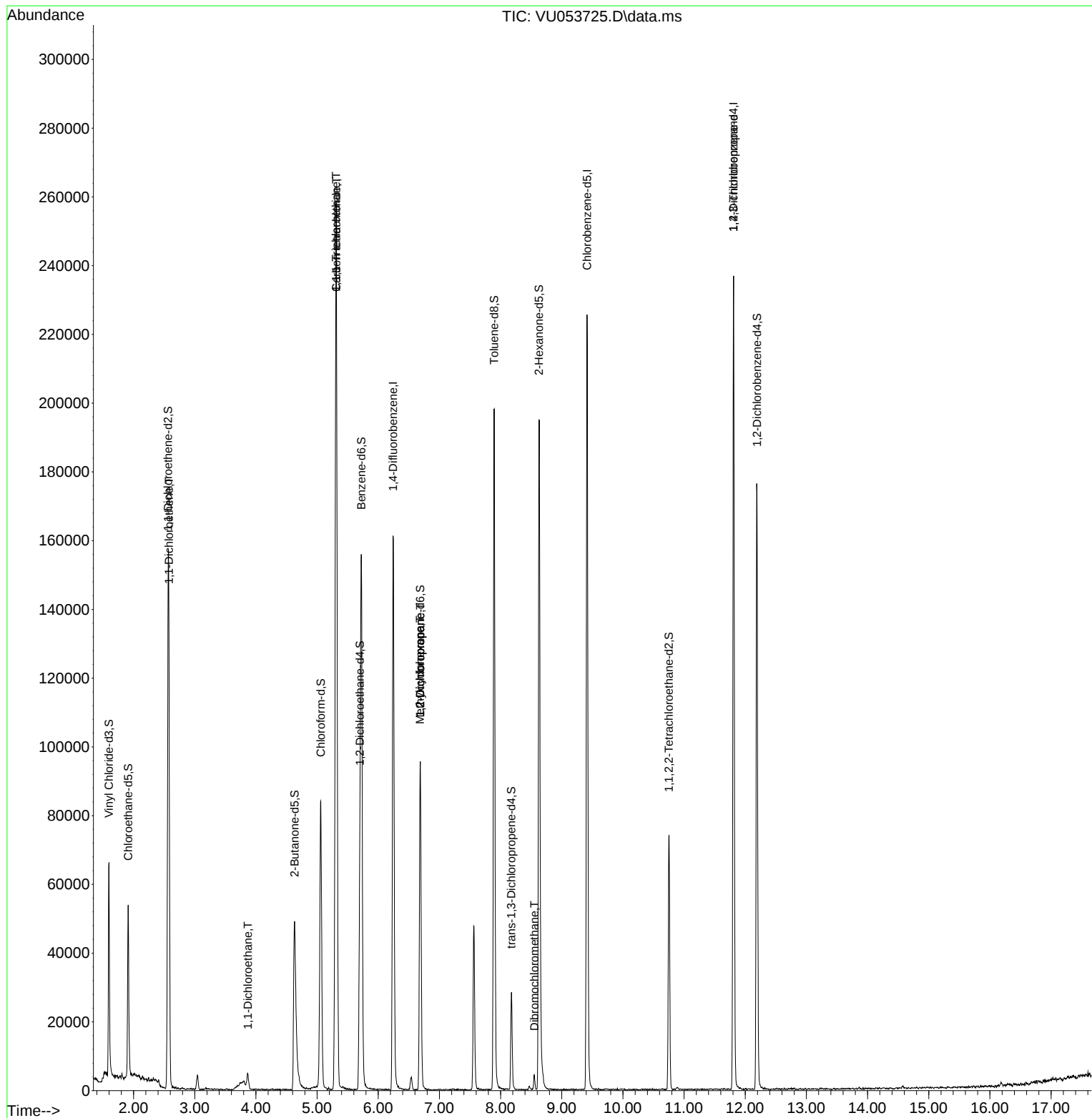
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.243  | 114            | 138695   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 131873   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 63819    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 48386    | 5.071  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 101.400% |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 38671    | 4.466  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 89.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 17360    | 4.271  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 85.400%  |          |
| 20) 2-Butanone-d5             | 4.633  | 46             | 85285    | 39.018 | ug/L     | 0.01     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 78.040%  |          |
| 24) Chloroform-d              | 5.060  | 84             | 76543    | 4.327  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 37879    | 4.179  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 83.600%  |          |
| 32) Benzene-d6                | 5.723  | 84             | 154293   | 4.129  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 82.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 47932    | 4.209  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 84.200%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 140596   | 3.988  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 79.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 16710    | 3.824  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 76.400%  |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 71632    | 40.355 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 80.700%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 35797    | 3.776  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 75.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 48867    | 4.256  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 85.200%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 36274    | 4.619  | ug/L     | 86       |
| 19) 1,1-Dichloroethane        | 3.867  | 63             | 5501     | 0.366  | ug/L #   | 95       |
| 29) 1,1,1-Trichloroethane     | 5.311  | 97             | 186367   | 14.315 | ug/L     | 98       |
| 31) Carbon tetrachloride      | 5.314  | 117            | 25125    | 2.281  | ug/L     | 99       |
| 35) Methylcyclohexane         | 6.684  | 83             | 11424    | 0.708  | ug/L #   | 23       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 4928     | 0.528  | ug/L #   | 89       |
| 49) Dibromochloromethane      | 8.552  | 129            | 1046     | 0.160  | ug/L #   | 12       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75             | 7869     | 1.488  | ug/L #   | 65       |
| -----                         |        |                |          |        |          |          |

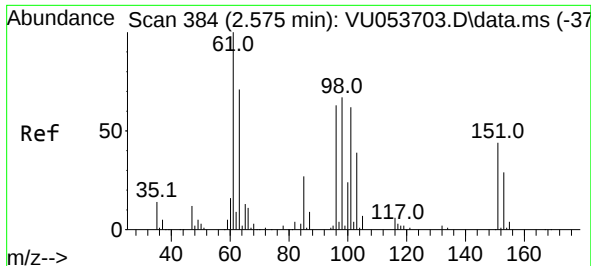
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.619 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU053725.D

Acq: 14 Apr 2023 19:30

Instrument :

MSVOA\_U

ClientSampleId :

C0AE9DL

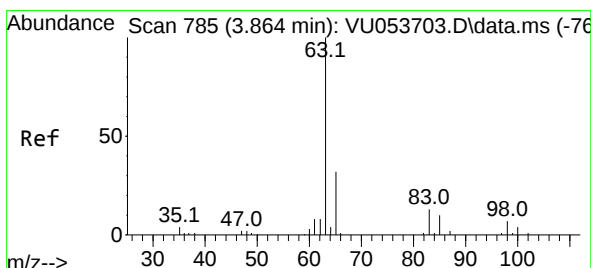
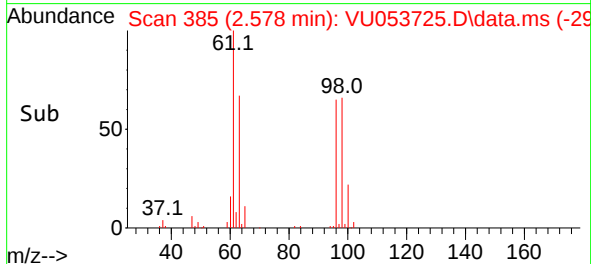
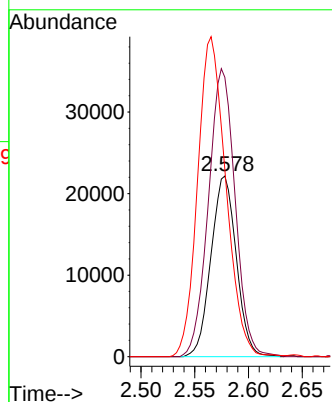
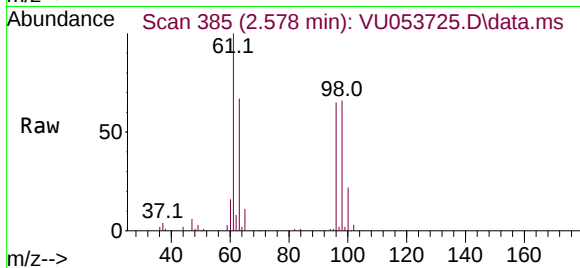
Tgt Ion: 96 Resp: 36274

Ion Ratio Lower Upper

96 100

61 154.6 116.8 216.8

63 103.6 88.6 164.6



#19

1,1-Dichloroethane

Concen: 0.366 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU053725.D

Acq: 14 Apr 2023 19:30

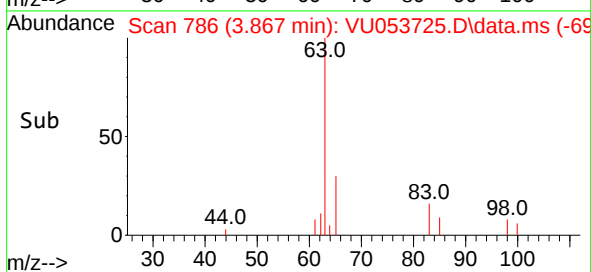
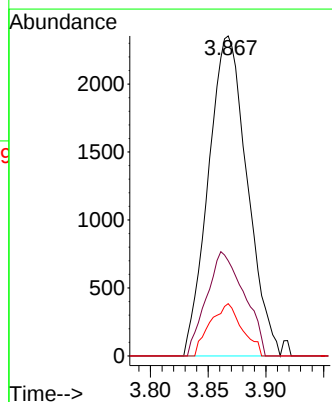
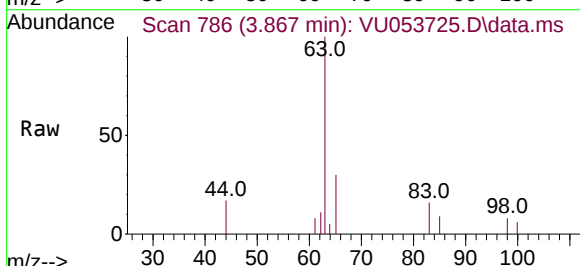
Tgt Ion: 63 Resp: 5501

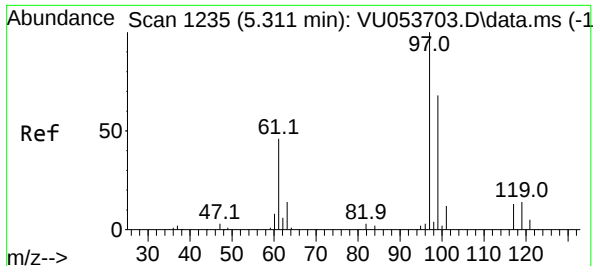
Ion Ratio Lower Upper

63 100

65 29.7 21.7 40.3

83 16.4 8.1 15.1#





#29

1,1,1-Trichloroethane

Concen: 14.315 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053725.D

Acq: 14 Apr 2023 19:30

Instrument :

MSVOA\_U

ClientSampleId :

C0AE9DL

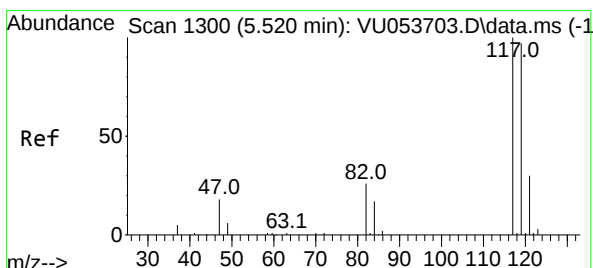
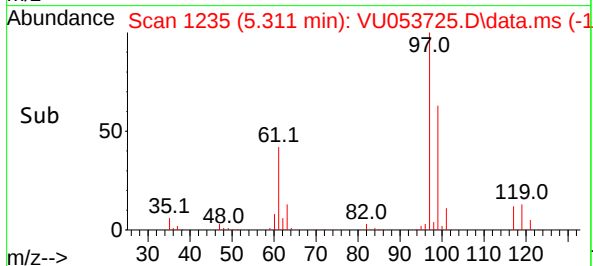
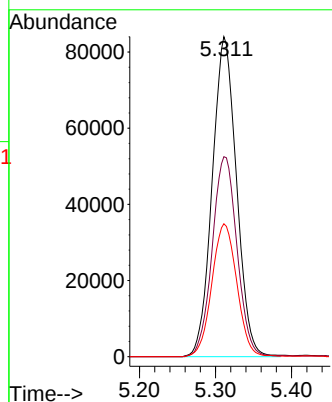
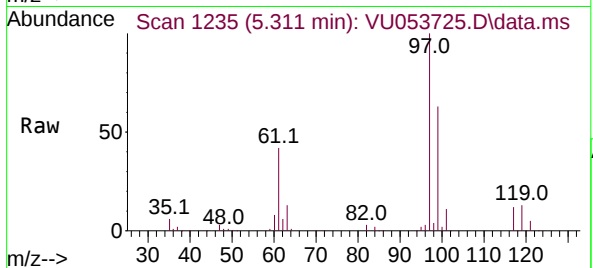
Tgt Ion: 97 Resp: 186367

Ion Ratio Lower Upper

97 100

99 63.9 49.9 74.9

61 42.7 35.7 53.5



#31

Carbon tetrachloride

Concen: 2.281 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.206 min

Lab File: VU053725.D

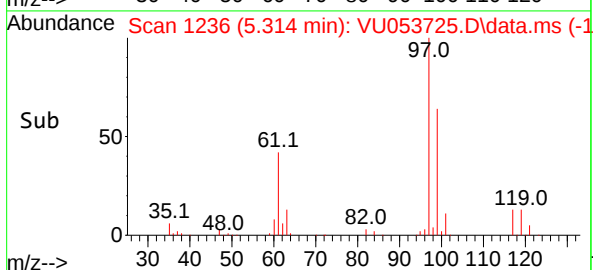
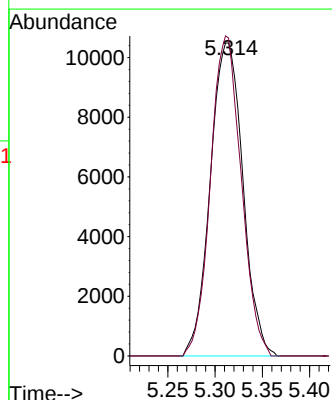
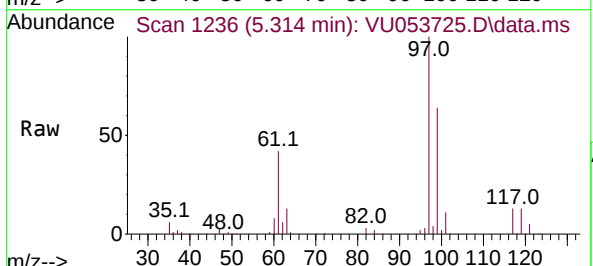
Acq: 14 Apr 2023 19:30

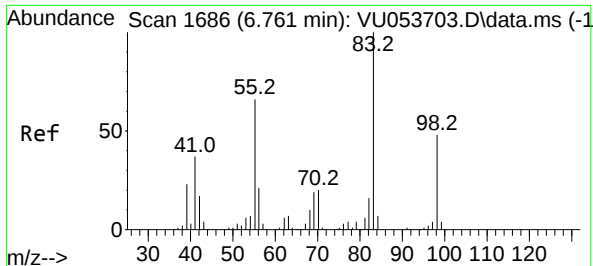
Tgt Ion: 117 Resp: 25125

Ion Ratio Lower Upper

117 100

119 96.2 77.7 116.5

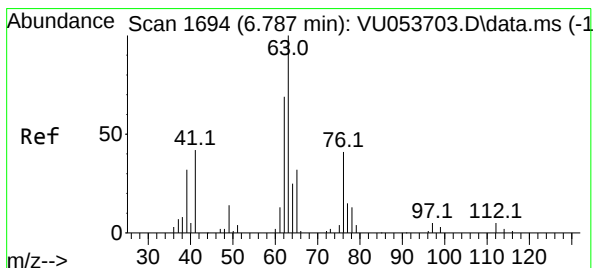
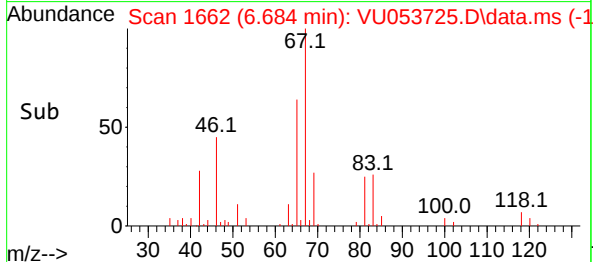
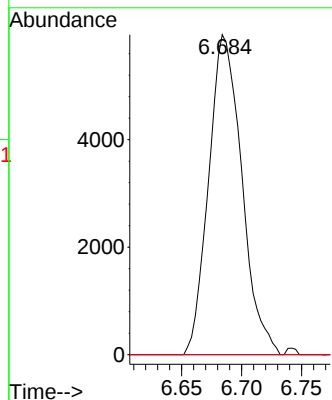
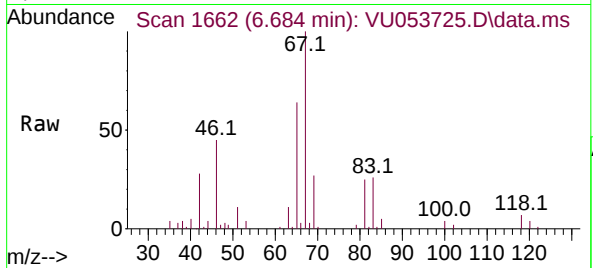




#35  
Methylcyclohexane  
Concen: 0.708 ug/L  
RT: 6.684 min Scan# 1662  
Delta R.T. -0.077 min  
Lab File: VU053725.D  
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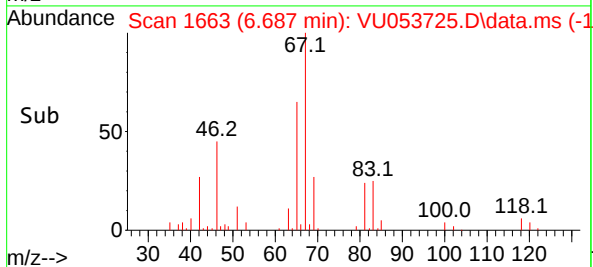
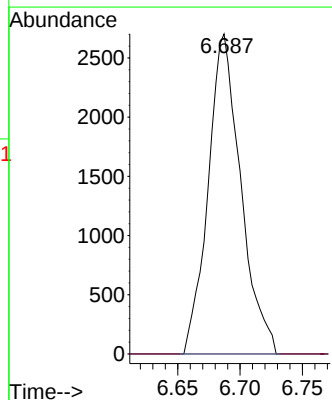
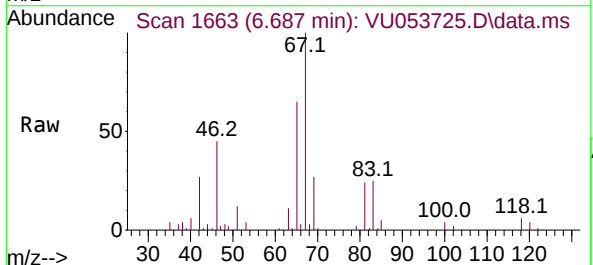
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MSVOA\_U  
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C0AE9DL

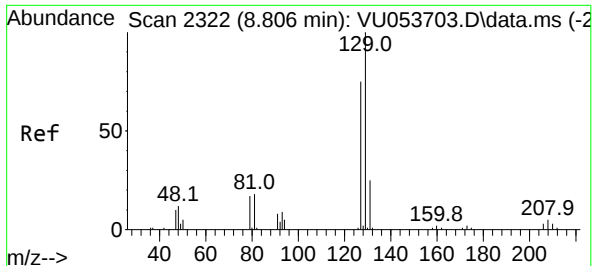
Tgt Ion: 83 Resp: 11424  
Ion Ratio Lower Upper  
83 100  
55 0.0 54.9 82.3#  
98 1.2 34.9 52.3#



#37  
1,2-Dichloropropane  
Concen: 0.528 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.100 min  
Lab File: VU053725.D  
Acq: 14 Apr 2023 19:30

Tgt Ion: 63 Resp: 4928  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#





#49

Dibromochloromethane

Concen: 0.160 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU053725.D

Acq: 14 Apr 2023 19:30

Instrument :

MSVOA\_U

ClientSampleId :

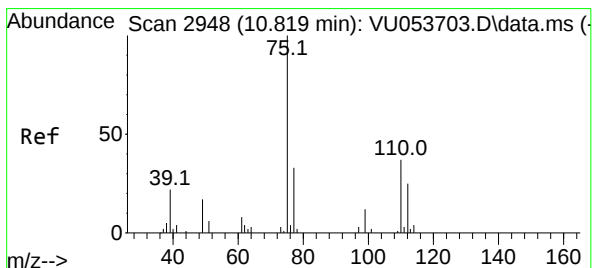
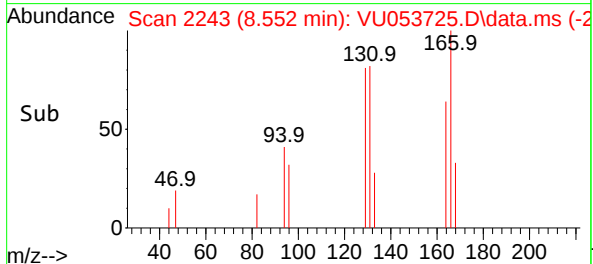
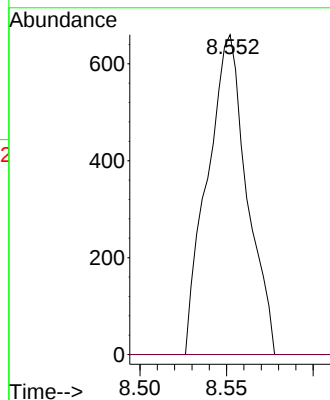
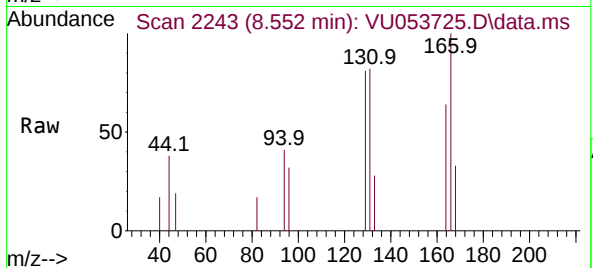
C0AE9DL

Tgt Ion:129 Resp: 1046

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#



#61

1,2,3-Trichloropropane

Concen: 1.488 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053725.D

Acq: 14 Apr 2023 19:30

Tgt Ion: 75 Resp: 7869

Ion Ratio Lower Upper

75 100

110 1.5 30.6 46.0#

77 30.5 26.1 39.1

