

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041823\  
 Data File : VU053754.D  
 Acq On : 18 Apr 2023 12:31  
 Operator : JC/MD  
 Sample : 02254-14DL 2 800X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AC5DL2

Quant Time: Apr 19 05:00:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 19 04:58:28 2023  
 Response via : Initial Calibration

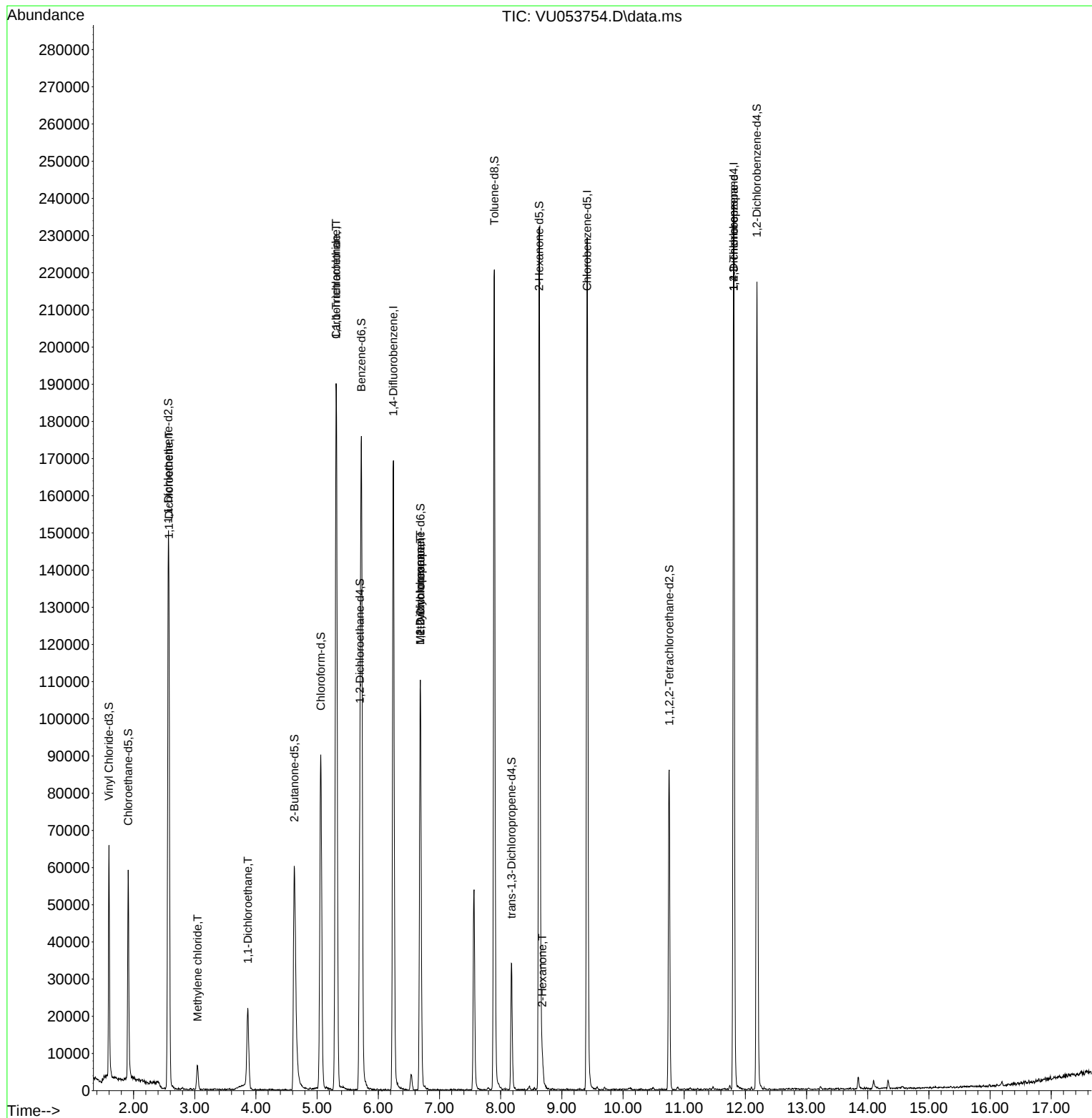
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 148507   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 135382   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 65319    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 47364    | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.800%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 41864    | 4.515    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 17159    | 3.943    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.800%  |
| 20) 2-Butanone-d5             | 4.626  | 46    | 100567   | 42.969   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.940%  |
| 24) Chloroform-d              | 5.060  | 84    | 87054    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 44891    | 4.625    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 32) Benzene-d6                | 5.723  | 84    | 173998   | 4.535    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 54333    | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 152722   | 4.219    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 20706    | 4.615    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.400%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 85396    | 46.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 43863    | 4.507    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 60174    | 5.121    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 32040    | 3.811    | ug/L   | 100      |
| 16) Methylene chloride        | 3.044  | 84    | 3685     | 0.334    | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 25311    | 1.573    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.311  | 97    | 141131   | 10.559   | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.311  | 117   | 19015    | 1.681    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.684  | 83    | 13064    | 0.788    | ug/L # | 23       |
| 37) 1,2-Dichloropropane       | 6.684  | 63    | 5679     | 0.593    | ug/L # | 89       |
| 48) 2-Hexanone                | 8.681  | 43    | 3021     | 0.872    | ug/L # | 82       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 7734     | 1.429    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

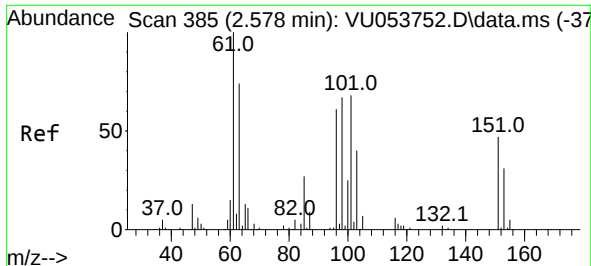
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 19 04:58:28 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.811 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053754.D

Acq: 18 Apr 2023 12:31

Instrument :

MSVOA\_U

ClientSampleId :

C0AC5DL2

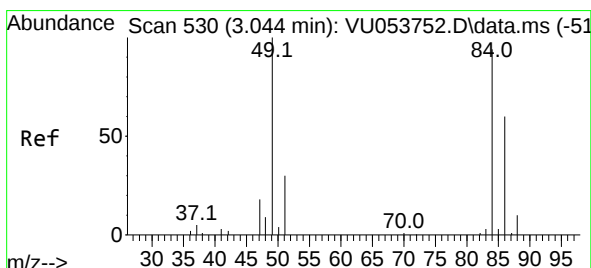
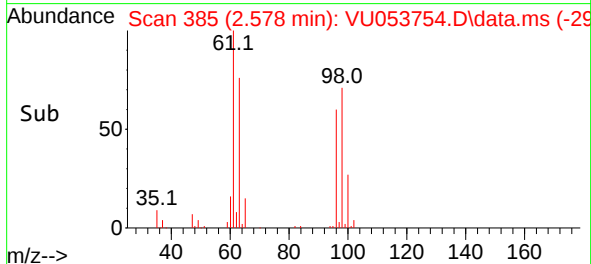
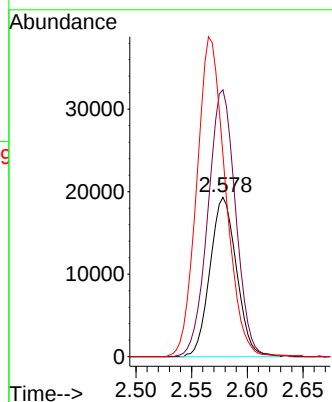
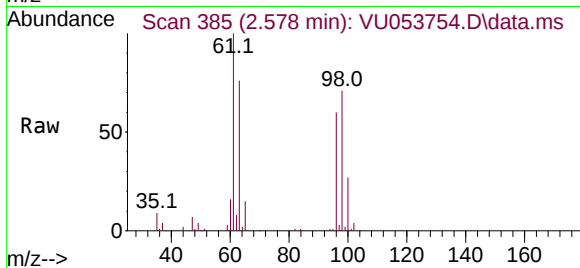
Tgt Ion: 96 Resp: 32040

Ion Ratio Lower Upper

96 100

61 167.4 116.8 216.8

63 127.0 88.6 164.6



#16

Methylene chloride

Concen: 0.334 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.000 min

Lab File: VU053754.D

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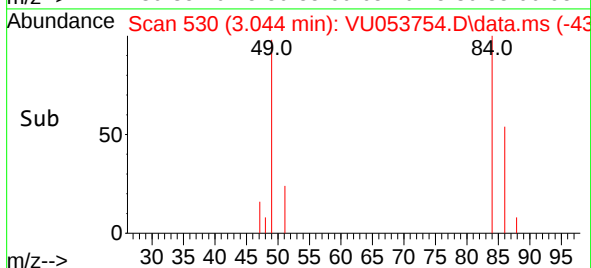
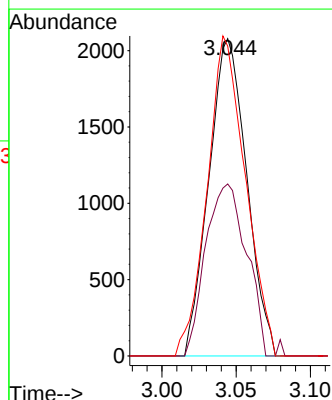
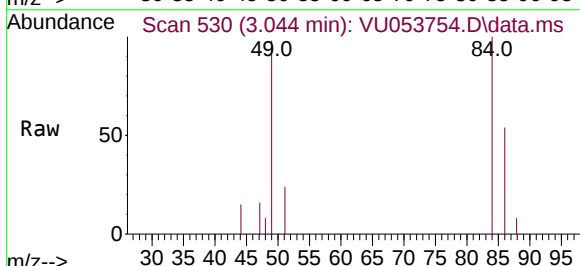
Tgt Ion: 84 Resp: 3685

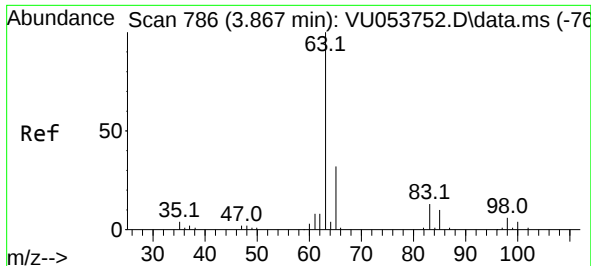
Ion Ratio Lower Upper

84 100

86 54.2 44.7 83.1

49 97.6 75.5 140.1





#19

1,1-Dichloroethane

Concen: 1.573 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU053754.D

Acq: 18 Apr 2023 12:31

Instrument :

MSVOA\_U

ClientSampleId :

C0AC5DL2

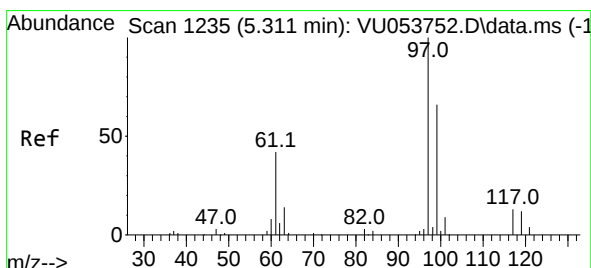
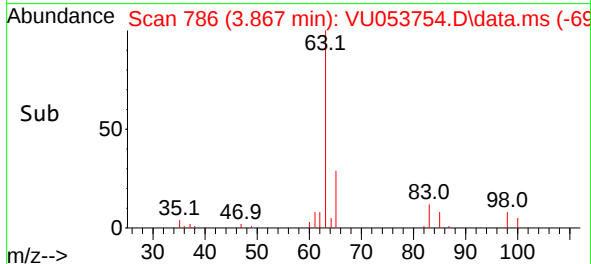
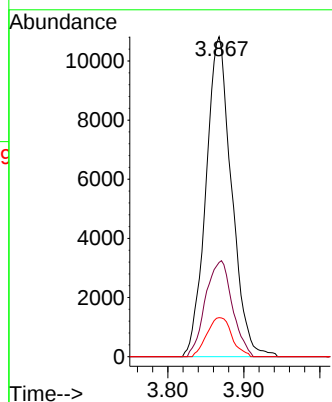
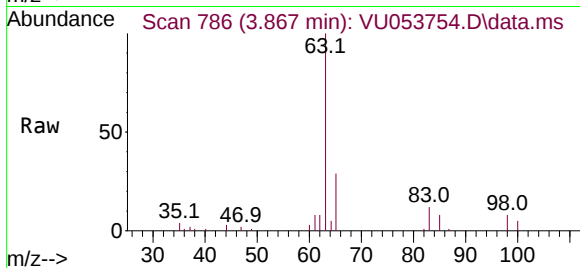
Tgt Ion: 63 Resp: 25311

Ion Ratio Lower Upper

63 100

65 29.5 21.7 40.3

83 12.2 8.1 15.1



#29

1,1,1-Trichloroethane

Concen: 10.559 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053754.D

Acq: 18 Apr 2023 12:31

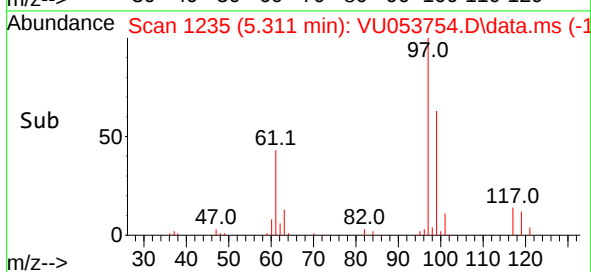
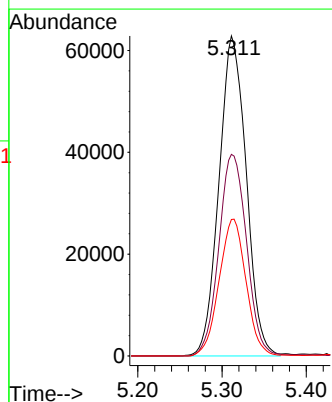
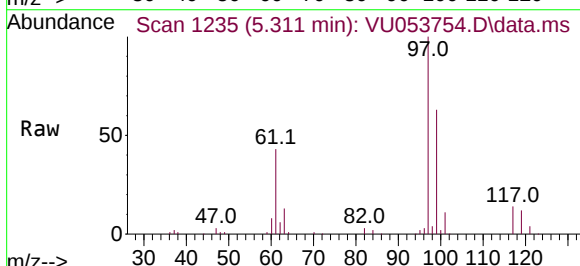
Tgt Ion: 97 Resp: 141131

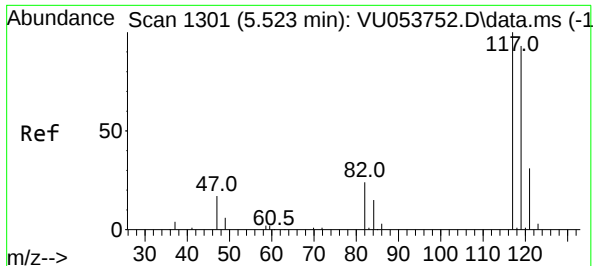
Ion Ratio Lower Upper

97 100

99 64.2 49.9 74.9

61 42.4 35.7 53.5

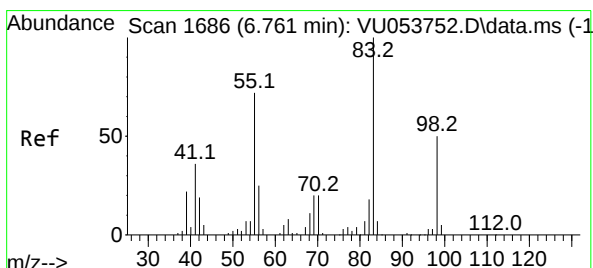
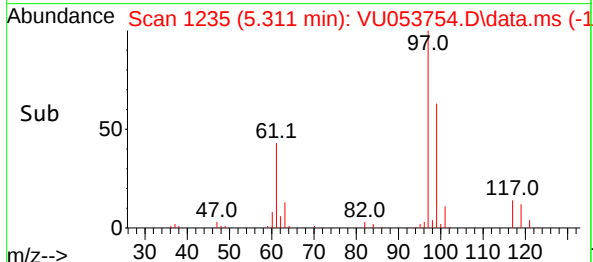
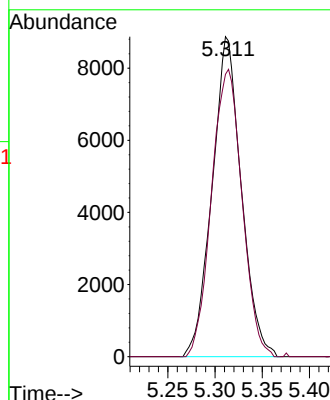
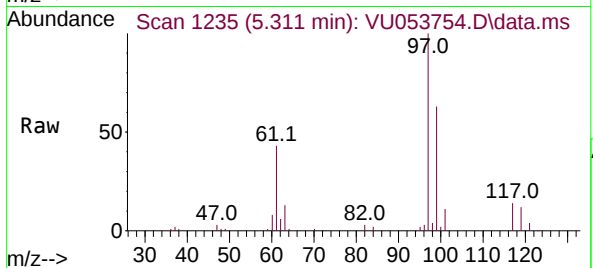




#31  
Carbon tetrachloride  
Concen: 1.681 ug/L  
RT: 5.311 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: VU053754.D  
Acq: 18 Apr 2023 12:31

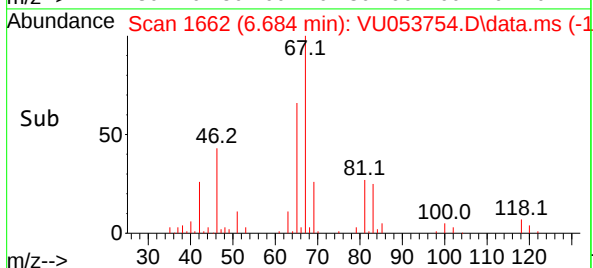
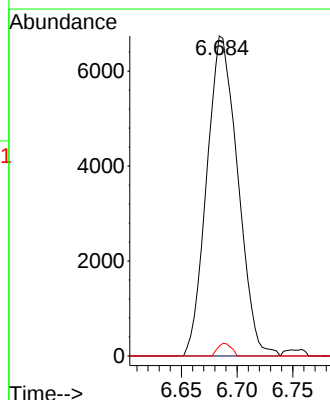
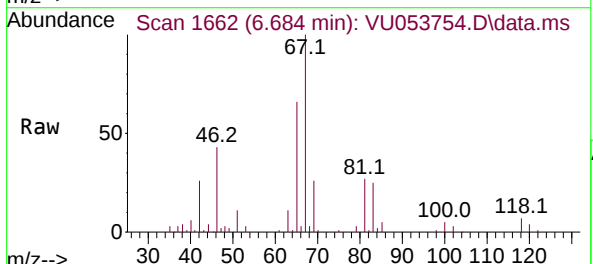
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AC5DL2

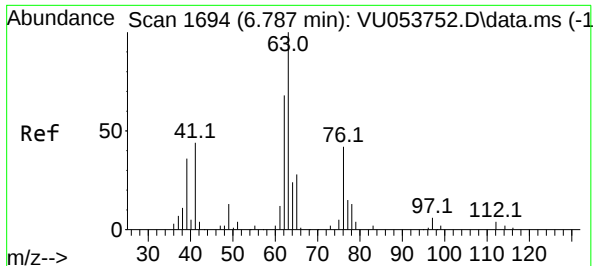
Tgt Ion:117 Resp: 19015  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.7 116.5



#35  
Methylcyclohexane  
Concen: 0.788 ug/L  
RT: 6.684 min Scan# 1662  
Delta R.T. -0.077 min  
Lab File: VU053754.D  
Acq: 18 Apr 2023 12:31

Tgt Ion: 83 Resp: 13064  
Ion Ratio Lower Upper  
83 100  
55 0.0 54.9 82.3#  
98 1.7 34.9 52.3#

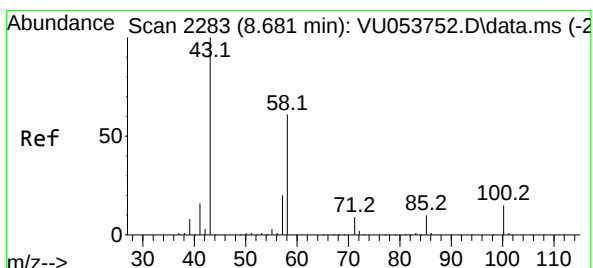
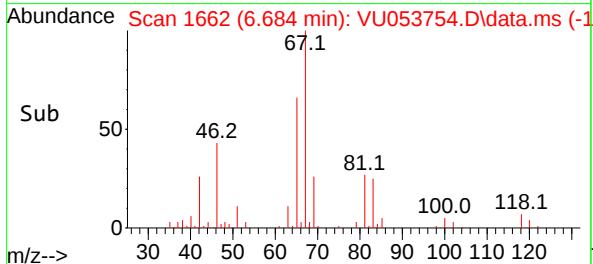
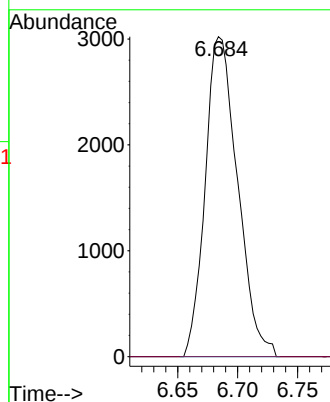
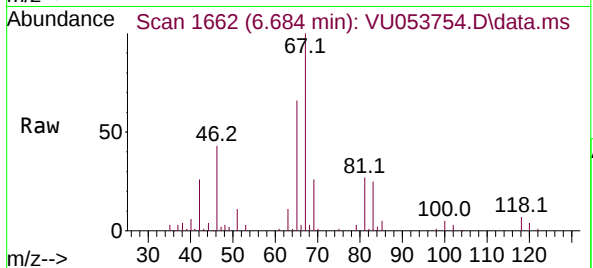




#37  
1,2-Dichloropropane  
Concen: 0.593 ug/L  
RT: 6.684 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU053754.D  
Acq: 18 Apr 2023 12:31

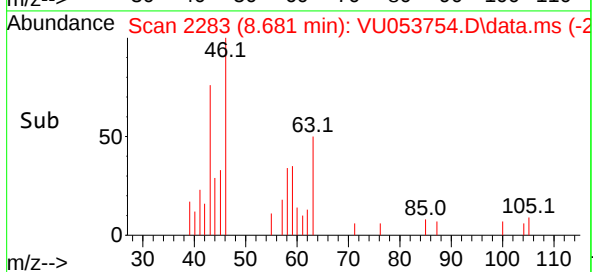
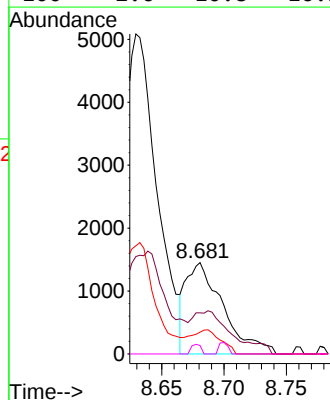
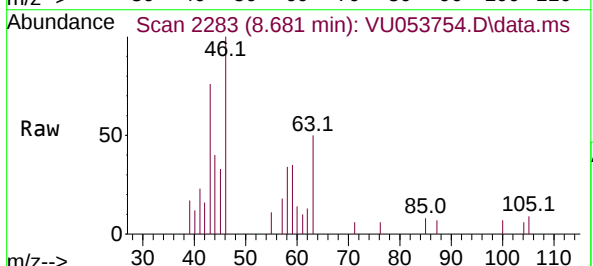
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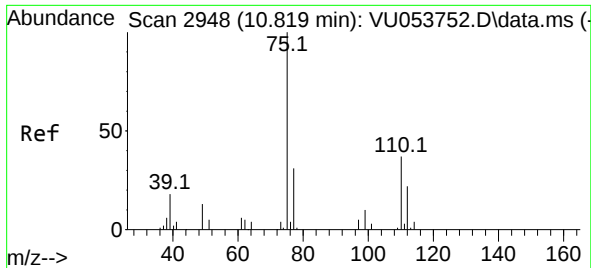
Tgt Ion: 63 Resp: 5679  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



#48  
2-Hexanone  
Concen: 0.872 ug/L  
RT: 8.681 min Scan# 2283  
Delta R.T. 0.000 min  
Lab File: VU053754.D  
Acq: 18 Apr 2023 12:31

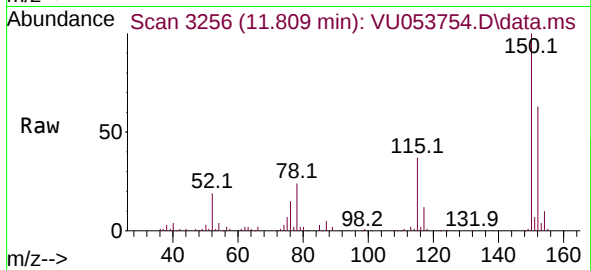
Tgt Ion: 43 Resp: 3021  
Ion Ratio Lower Upper  
43 100  
58 49.0 52.8 79.2#  
57 20.9 17.1 25.7  
100 2.6 10.8 16.2#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.429 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU053754.D  
 Acq: 18 Apr 2023 12:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AC5DL2



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 3.3   | 30.6  | 46.0# |
| 77      | 30.7  | 26.1  | 39.1  |

