

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111523\  
 Data File : VU056377.D  
 Acq On : 16 Nov 2023 00:56  
 Operator : MD/SY  
 Sample : 05411-04  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 16 06:14:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 16 05:41:06 2023  
 Response via : Initial Calibration

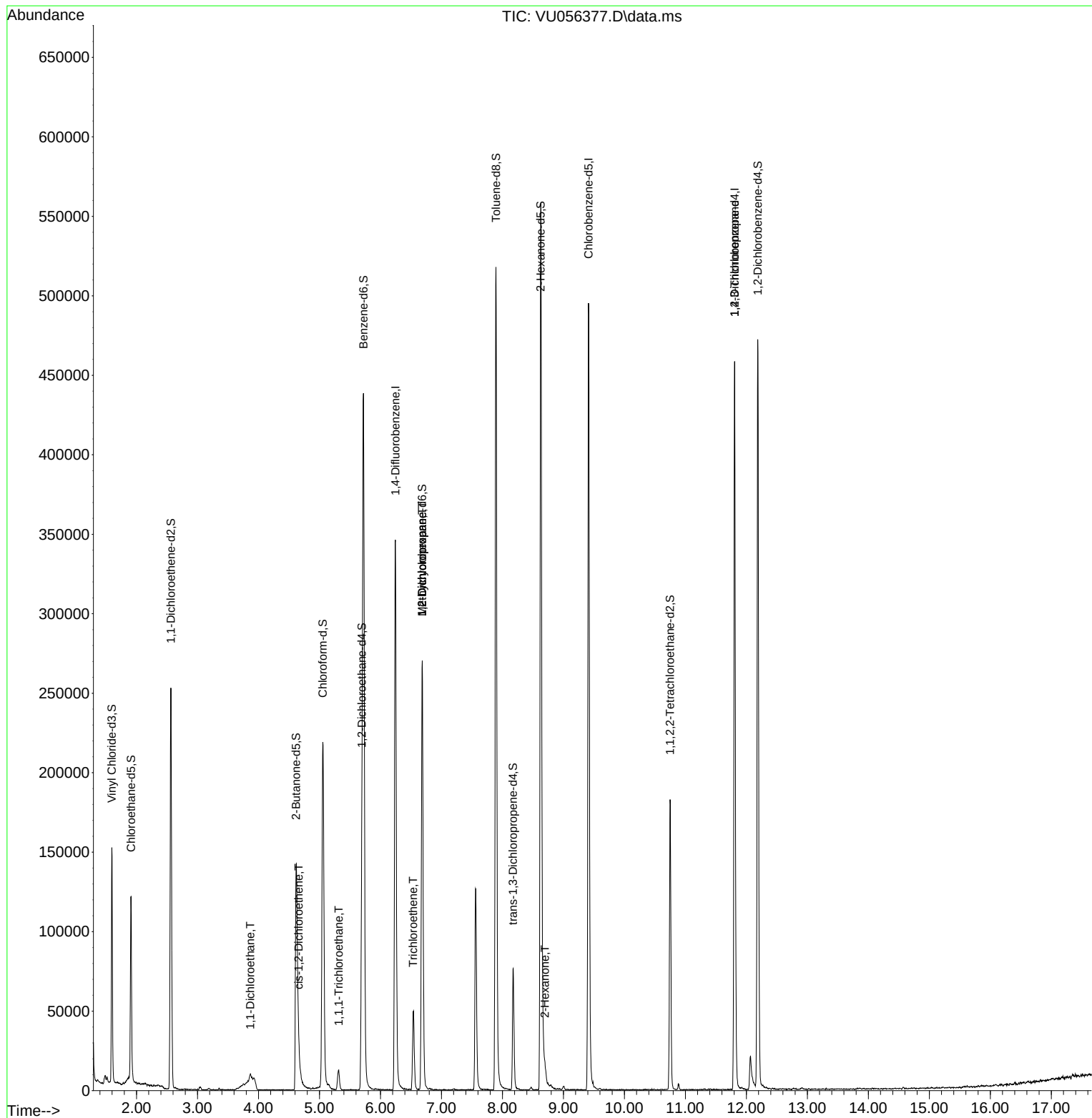
| Compound                      |        | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|------------|--------|----------|
| -----                         |        |        |          |          |            |        |          |
| Internal Standards            |        |        |          |          |            |        |          |
| 1) 1,4-Difluorobenzene        |        | 6.245  | 114      | 281050   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          |        | 9.412  | 117      | 282775   | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 11.807 | 152      | 120960   | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |            |        |          |
| 4) Vinyl Chloride-d3          |        | 1.596  | 65       | 106300   | 5.057      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 40 - 130 | Recovery | = 101.200% |        |          |
| 7) Chloroethane-d5            |        | 1.911  | 69       | 85259    | 5.290      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 130 | Recovery | = 105.800% |        |          |
| 11) 1,1-Dichloroethene-d2     |        | 2.563  | 65       | 47925    | 5.166      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 125 | Recovery | = 103.400% |        |          |
| 20) 2-Butanone-d5             |        | 4.618  | 46       | 232609   | 55.492     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 40 - 130 | Recovery | = 110.980% |        |          |
| 24) Chloroform-d              |        | 5.055  | 84       | 216025   | 5.313      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 106.200% |        |          |
| 26) 1,2-Dichloroethane-d4     |        | 5.695  | 65       | 105309   | 5.605      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 112.000% |        |          |
| 32) Benzene-d6                |        | 5.721  | 84       | 421934   | 5.008      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 100.200% |        |          |
| 36) 1,2-Dichloropropane-d6    |        | 6.685  | 67       | 131570   | 5.182      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 140 | Recovery | = 103.600% |        |          |
| 41) Toluene-d8                |        | 7.894  | 98       | 361940   | 4.865      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 97.200%  |        |          |
| 43) trans-1,3-Dichloroprop... |        | 8.174  | 79       | 47750    | 4.903      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 55 - 130 | Recovery | = 98.000%  |        |          |
| 46) 2-Hexanone-d5             |        | 8.627  | 63       | 196604   | 51.373     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 45 - 130 | Recovery | = 102.740% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 10.749 | 84       | 92091    | 5.076      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 120 | Recovery | = 101.600% |        |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 12.187 | 152      | 121296   | 5.428      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 80 - 120 | Recovery | = 108.600% |        |          |
| Target Compounds              |        |        |          |          |            |        |          |
|                               |        |        |          |          |            | Qvalue |          |
| 19) 1,1-Dichloroethane        |        | 3.866  | 63       | 5492     | 0.157      | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    |        | 4.660  | 96       | 2549     | 0.127      | ug/L # | 74       |
| 29) 1,1,1-Trichloroethane     |        | 5.316  | 97       | 9683     | 0.298      | ug/L   | 95       |
| 34) Trichloroethene           |        | 6.537  | 95       | 18023    | 0.820      | ug/L   | 96       |
| 35) Methylcyclohexane         |        | 6.685  | 83       | 31032    | 0.978      | ug/L # | 18       |
| 37) 1,2-Dichloropropane       |        | 6.685  | 63       | 14723    | 0.700      | ug/L # | 88       |
| 48) 2-Hexanone                |        | 8.698  | 43       | 6810     | 0.838      | ug/L # | 86       |
| 61) 1,2,3-Trichloropropane    |        | 11.807 | 75       | 15167    | 1.461      | ug/L # | 67       |
| -----                         |        |        |          |          |            |        |          |

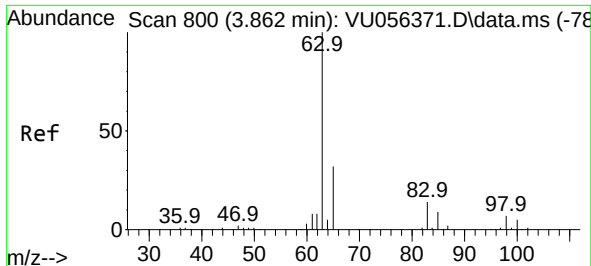
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 16 05:41:06 2023  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.157 ug/L

RT: 3.866 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU056377.D

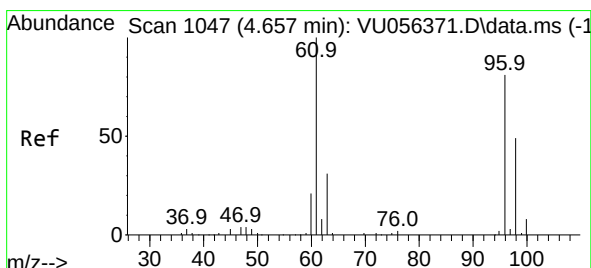
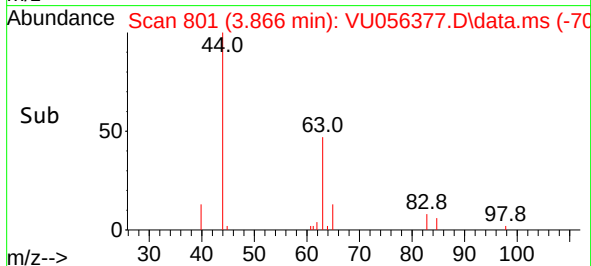
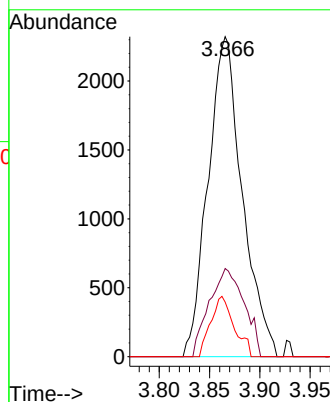
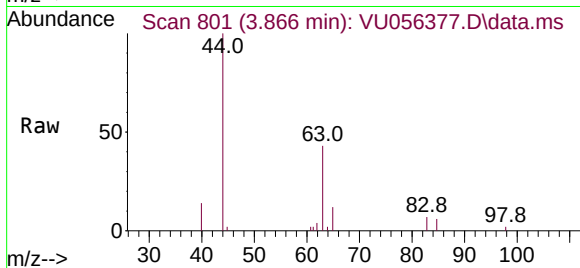
Acq: 16 Nov 2023 00:56

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 5492 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 65        | 27.5  | 21.8  | 40.6 |
| 83        | 17.1  | 9.7   | 17.9 |



#22

cis-1,2-Dichloroethene

Concen: 0.127 ug/L

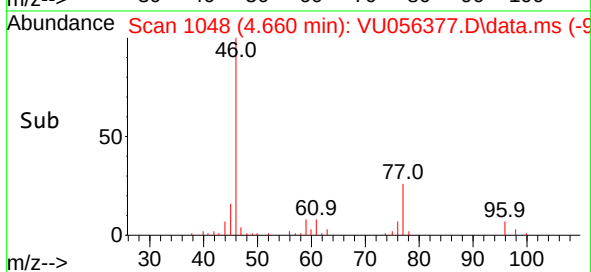
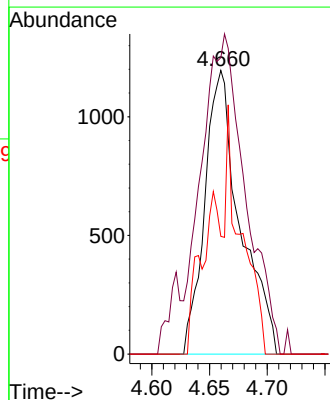
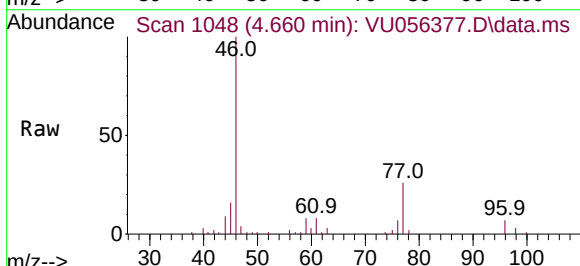
RT: 4.660 min Scan# 1048

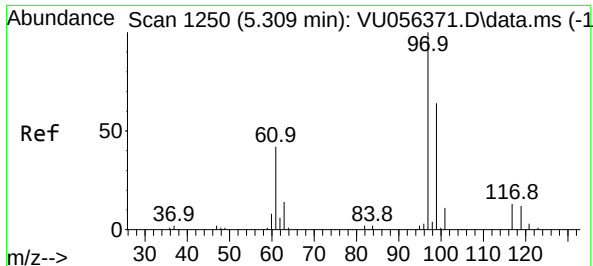
Delta R.T. 0.003 min

Lab File: VU056377.D

Acq: 16 Nov 2023 00:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 2549  |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 104.5 | 93.2  | 173.2 |
| 98        | 41.5  | 44.8  | 83.2  |





#29

1,1,1-Trichloroethane

Concen: 0.298 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU056377.D

Acq: 16 Nov 2023 00:56

Instrument :

MSVOA\_U

ClientSampleId :

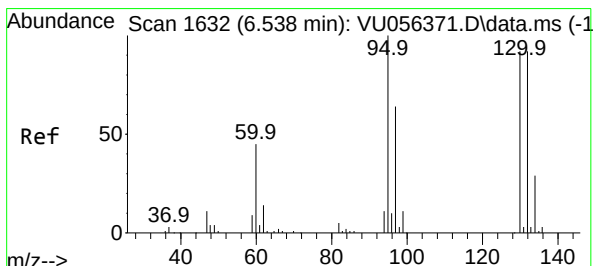
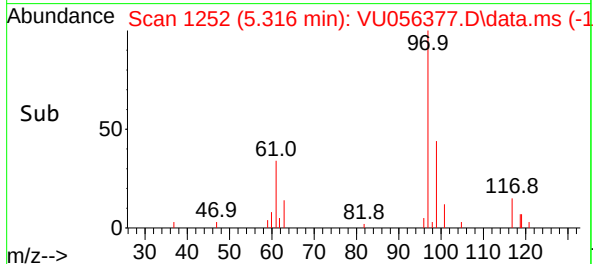
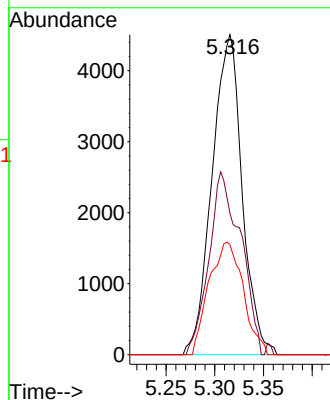
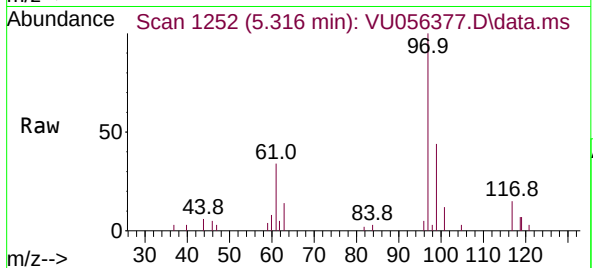
Tgt Ion: 97 Resp: 9683

Ion Ratio Lower Upper

97 100

99 60.3 51.6 77.4

61 39.9 34.3 51.5



#34

Trichloroethene

Concen: 0.820 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056377.D

Acq: 16 Nov 2023 00:56

Tgt Ion: 95 Resp: 18023

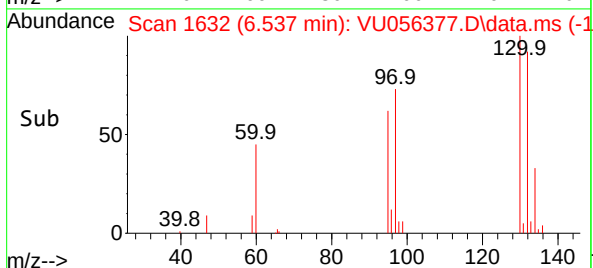
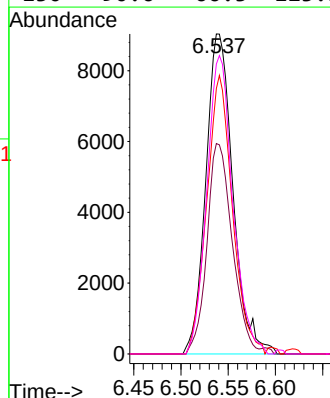
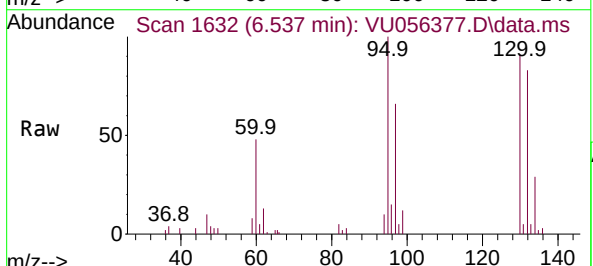
Ion Ratio Lower Upper

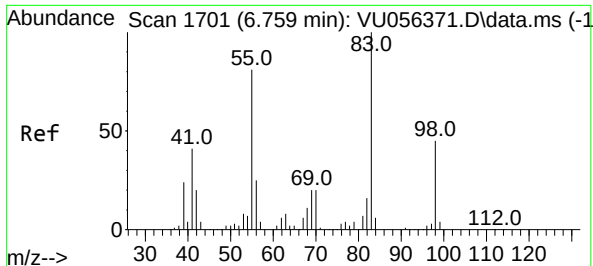
95 100

97 65.7 46.5 86.3

132 83.0 62.0 115.2

130 90.6 66.3 123.1





#35

Methylcyclohexane

Concen: 0.978 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU056377.D

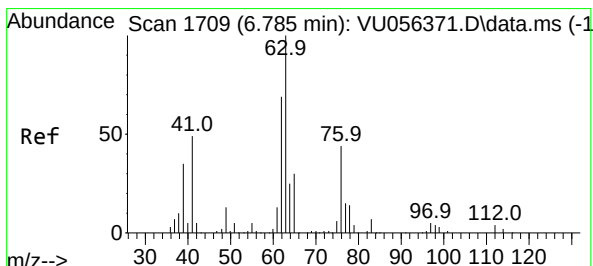
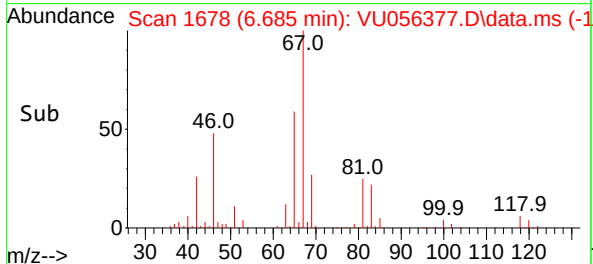
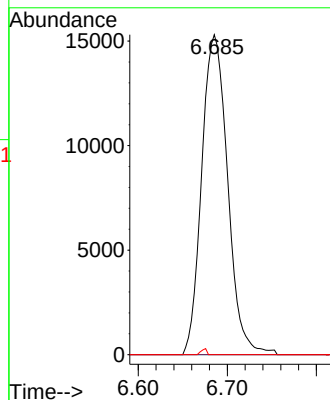
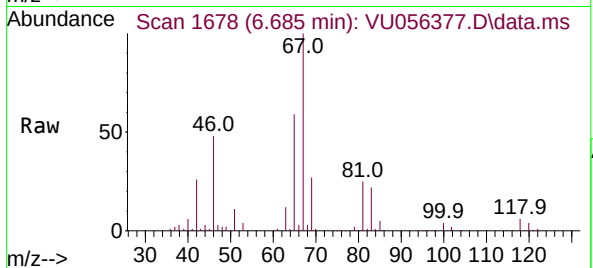
Acq: 16 Nov 2023 00:56

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 31032 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 62.9 94.3#  |
| 98 0.4      | 35.3 52.9#  |



#37

1,2-Dichloropropane

Concen: 0.700 ug/L

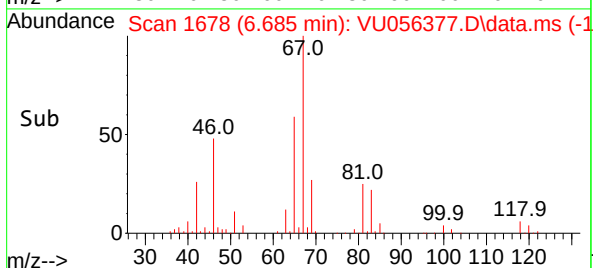
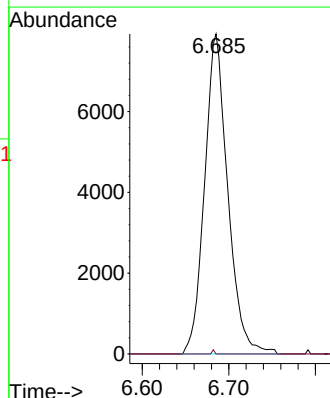
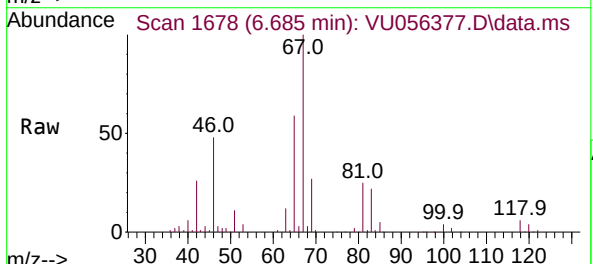
RT: 6.685 min Scan# 1678

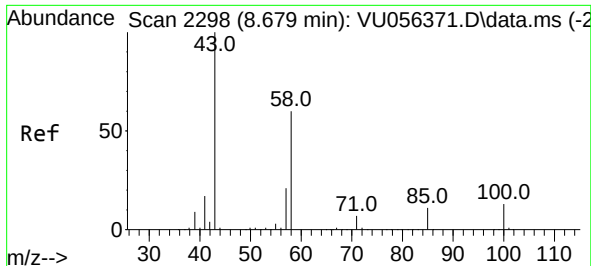
Delta R.T. -0.100 min

Lab File: VU056377.D

Acq: 16 Nov 2023 00:56

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 14723 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.1     | 3.2 4.8#    |

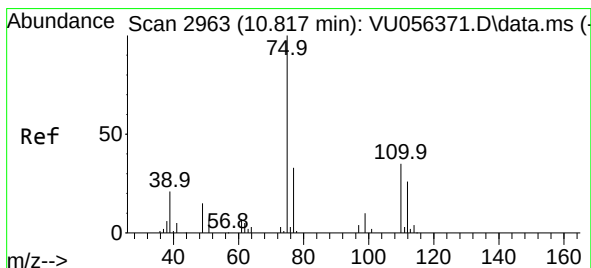
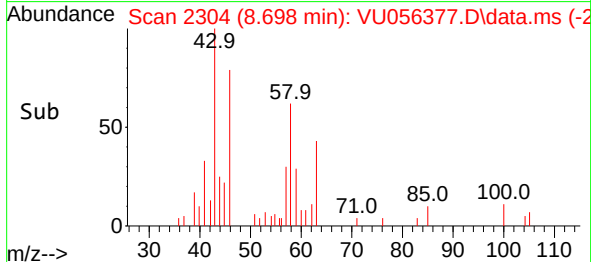
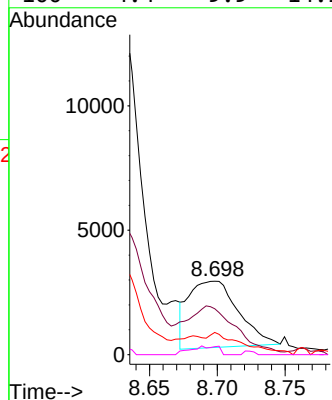
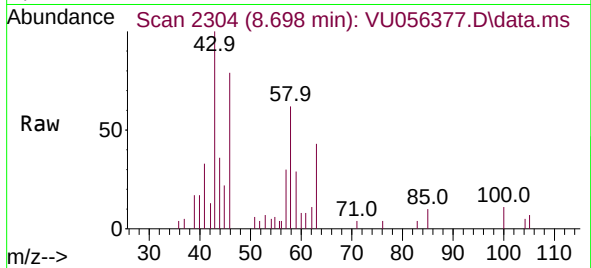




#48  
2-Hexanone  
Concen: 0.838 ug/L  
RT: 8.698 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VU056377.D  
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MSVOA\_U  
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Tgt Ion: 43 Resp: 6810  
Ion Ratio Lower Upper  
43 100  
58 73.5 48.7 73.1#  
57 22.7 16.8 25.2  
100 4.4 9.9 14.9#



#61  
1,2,3-Trichloropropane  
Concen: 1.461 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU056377.D  
Acq: 16 Nov 2023 00:56

Tgt Ion: 75 Resp: 15167  
Ion Ratio Lower Upper  
75 100  
110 2.1 30.4 45.6#  
77 32.3 27.0 40.6

