

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121123\  
 Data File : VU056746.D  
 Acq On : 11 Dec 2023 20:56  
 Operator : MD/SY  
 Sample : 05664-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 12 01:13:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 12 01:07:35 2023  
 Response via : Initial Calibration

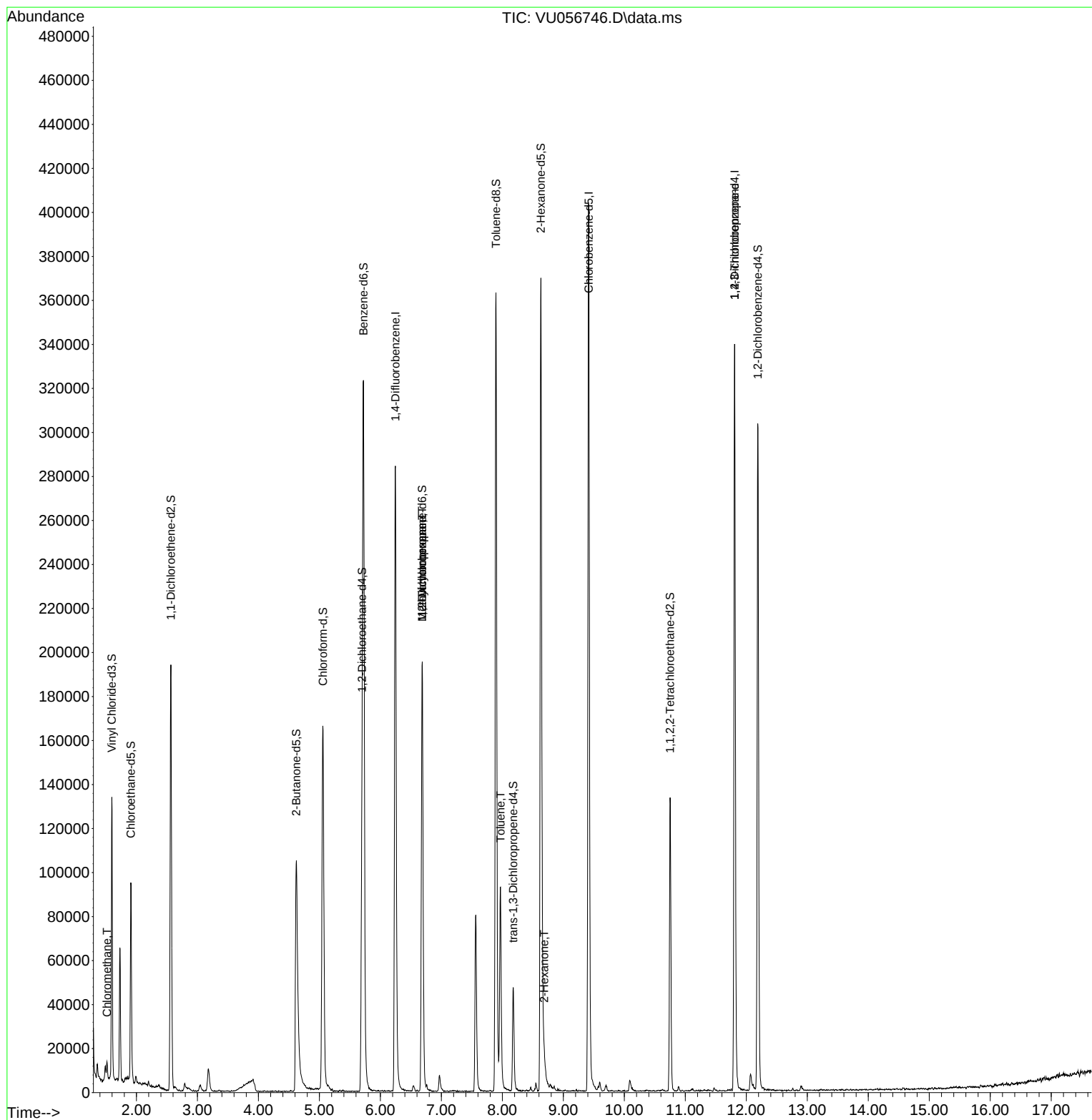
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 233602   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 234177   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 92006    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 87447    | 4.367    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.400%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 67425    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 37900    | 4.424    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.400%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 170711   | 43.170   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 86.340%  |
| 24) Chloroform-d              | 5.059  | 84    | 163142   | 4.303    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 78279    | 4.363    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.200%  |
| 32) Benzene-d6                | 5.721  | 84    | 309846   | 4.266    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 96044    | 4.225    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 253971   | 3.912    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 29741    | 3.373    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 67.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 124916   | 37.566   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 75.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 67643    | 4.112    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 82.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 80609    | 4.457    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 3) Chloromethane              | 1.515  | 50    | 3903     | 0.162    | ug/L   | 85       |
| 35) Methylcyclohexane         | 6.682  | 83    | 22773    | 0.684    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 10736    | 0.510    | ug/L # | 89       |
| 42) Toluene                   | 7.968  | 91    | 69743    | 0.819    | ug/L   | 96       |
| 48) 2-Hexanone                | 8.685  | 43    | 6467     | 0.908    | ug/L # | 91       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 10252    | 1.038    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

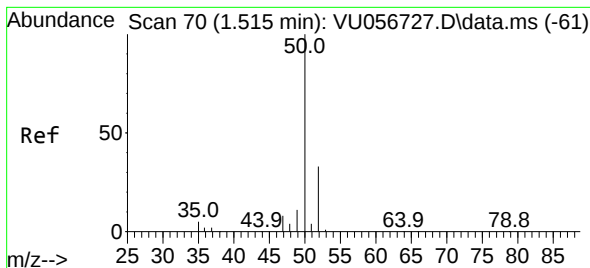
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 12 01:07:35 2023  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.162 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU056746.D

Acq: 11 Dec 2023 20:56

Instrument :

MSVOA\_U

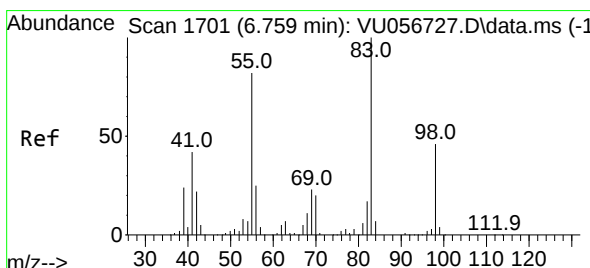
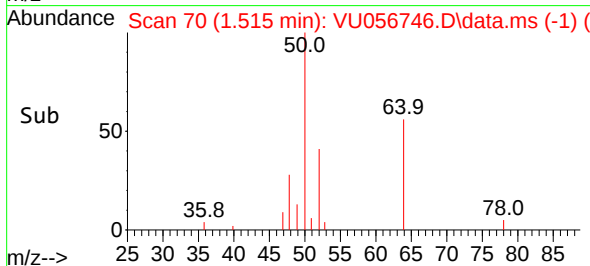
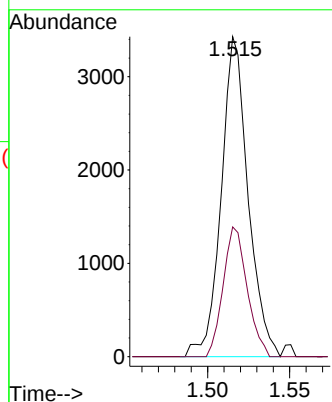
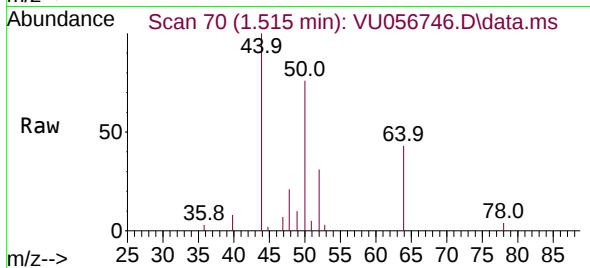
ClientSampleId :

Tgt Ion: 50 Resp: 3903

Ion Ratio Lower Upper

50 100

52 40.5 22.5 41.7



#35

Methylcyclohexane

Concen: 0.684 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.077 min

Lab File: VU056746.D

Acq: 11 Dec 2023 20:56

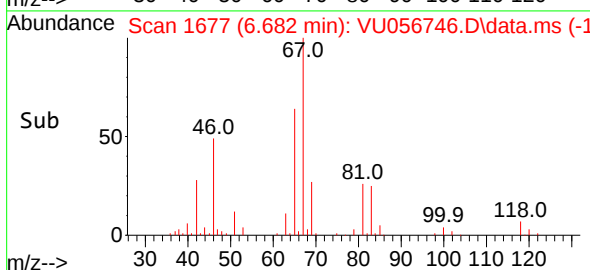
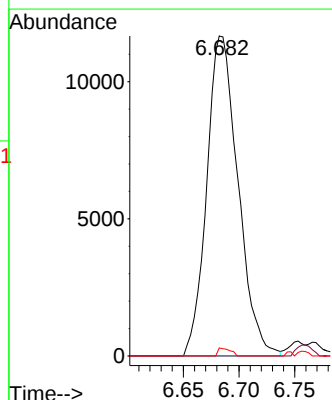
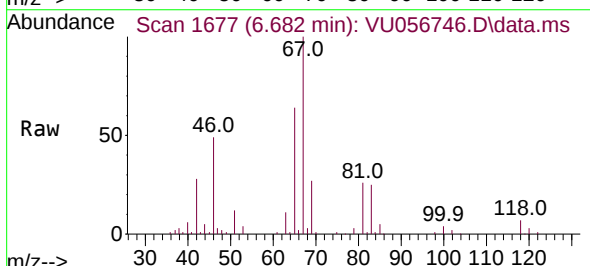
Tgt Ion: 83 Resp: 22773

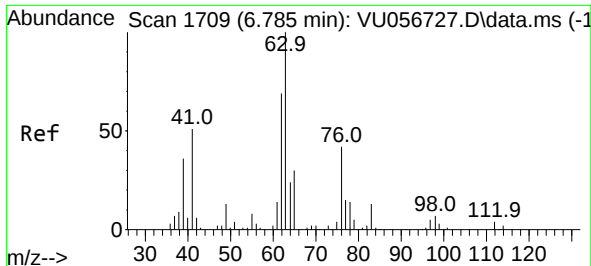
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 1.0 36.1 54.1#





#37

1,2-Dichloropropane

Concen: 0.510 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056746.D

Acq: 11 Dec 2023 20:56

Instrument :

MSVOA\_U

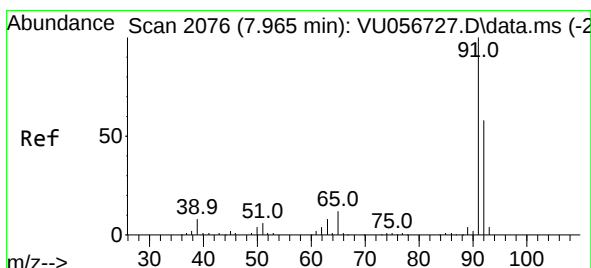
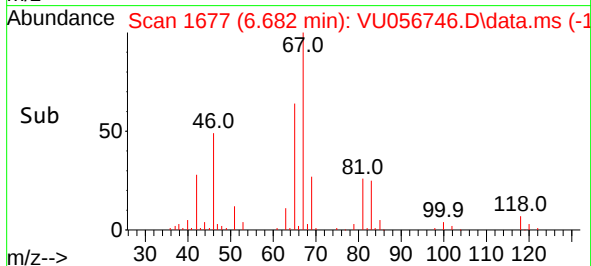
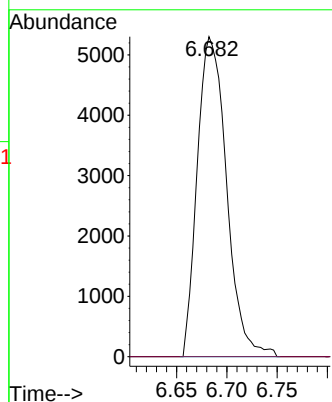
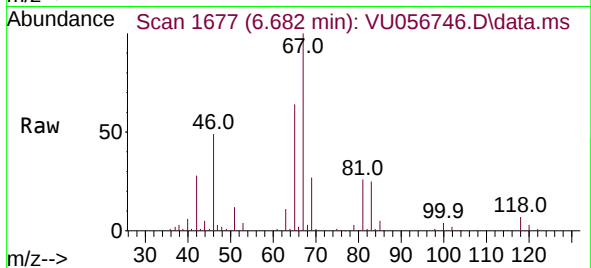
ClientSampleId :

Tgt Ion: 63 Resp: 10736

Ion Ratio Lower Upper

63 100

112 0.6 3.3 4.9#



#42

Toluene

Concen: 0.819 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU056746.D

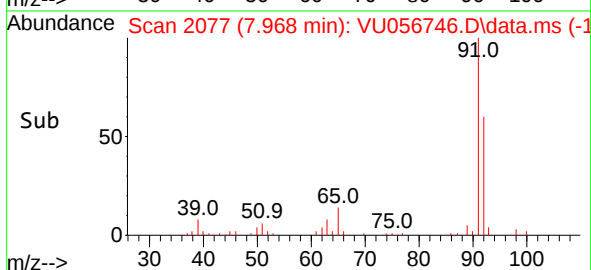
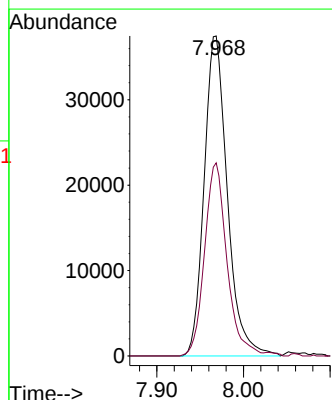
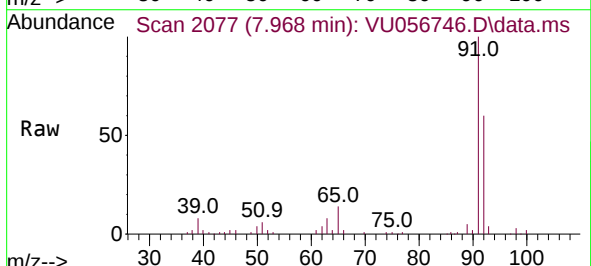
Acq: 11 Dec 2023 20:56

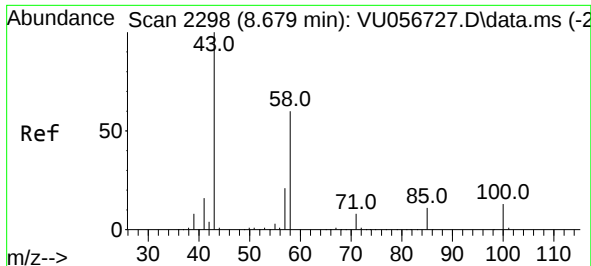
Tgt Ion: 91 Resp: 69743

Ion Ratio Lower Upper

91 100

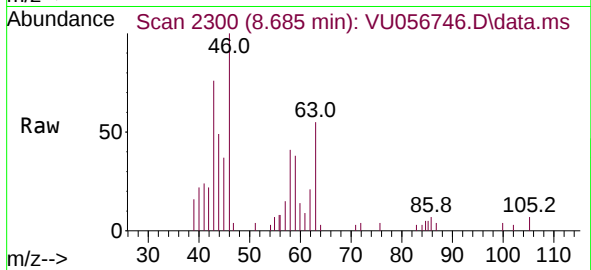
92 60.4 40.4 75.0



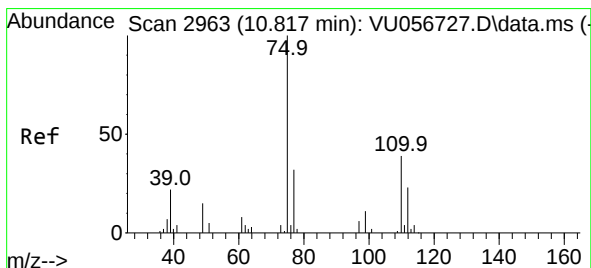
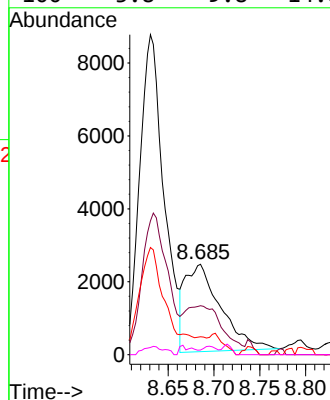
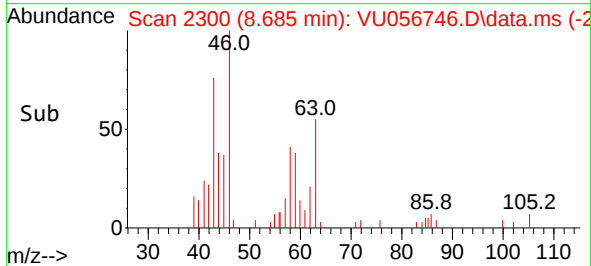


#48  
2-Hexanone  
Concen: 0.908 ug/L  
RT: 8.685 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU056746.D  
Acq: 11 Dec 2023 20:56

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 6467  
Ion Ratio Lower Upper  
43 100  
58 59.8 47.5 71.3  
57 9.6 17.0 25.4#  
100 3.8 9.8 14.8#



#61  
1,2,3-Trichloropropane  
Concen: 1.038 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU056746.D  
Acq: 11 Dec 2023 20:56

Tgt Ion: 75 Resp: 10252  
Ion Ratio Lower Upper  
75 100  
110 0.3 28.4 42.6#  
77 36.7 26.3 39.5

