

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072122\  
 Data File : VU049836.D  
 Acq On : 21 Jul 2022 18:10  
 Operator : SY/MD  
 Sample : N3722-13ME  
 Misc : 6.38g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5C50ME

Quant Time: Jul 22 04:15:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 22 03:08:56 2022  
 Response via : Initial Calibration

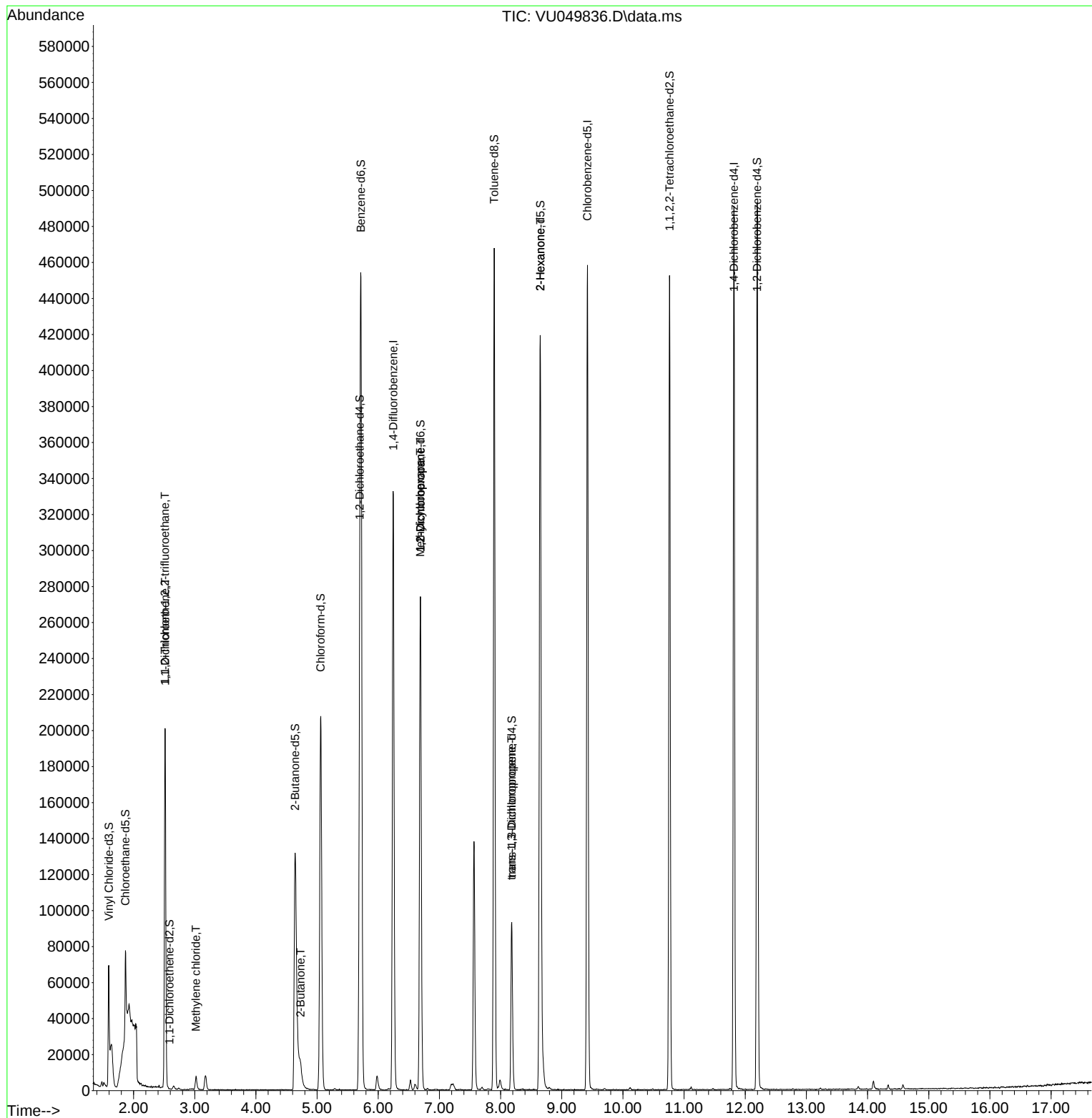
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 256340   | 50.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 248639   | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 120346   | 50.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.594   | 65    | 57387    | 26.533   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 53.060%#  |
| 7) Chloroethane-d5            | 1.867   | 69    | 40277    | 25.763   | ug/L   | -0.03     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 51.520%#  |
| 11) 1,1-Dichloroethene-d2     | 2.588   | 63    | 67       | 0.018    | ug/L   | 0.02      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 0.040%#   |
| 21) 2-Butanone-d5             | 4.639   | 46    | 243183   | 131.709  | ug/L   | 0.02      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 131.710%# |
| 24) Chloroform-d              | 5.060   | 84    | 194921   | 50.883   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.760%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 140768   | 54.295   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.580%  |
| 32) Benzene-d6                | 5.716   | 84    | 362137   | 47.942   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.880%   |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 133602   | 52.585   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.160%  |
| 41) Toluene-d8                | 7.896   | 98    | 294809   | 44.817   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.640%   |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 55756    | 52.086   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 104.180%  |
| 47) 2-Hexanone-d5             | 8.649   | 63    | 158945   | 139.075  | ug/L   | 0.02      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 139.070%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 222920   | 62.706   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 125.420%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 121997   | 53.765   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 107.540%  |
| Target Compounds              |         |       |          |          |        |           |
|                               |         |       |          |          | Qvalue |           |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.514   | 101   | 987      | 0.500    | ug/L # | 20        |
| 12) 1,1-Dichloroethene        | 2.517   | 96    | 839      | 0.458    | ug/L # | 1         |
| 16) Methylene chloride        | 3.022   | 84    | 3908     | 1.693    | ug/L   | 86        |
| 22) 2-Butanone                | 4.729   | 43    | 19615    | 8.349    | ug/L   | 100       |
| 35) Methylcyclohexane         | 6.687   | 83    | 29810    | 8.397    | ug/L # | 17        |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 14866    | 5.739    | ug/L # | 89        |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 2999     | 0.914    | ug/L   | 97        |
| 48) 2-Hexanone                | 8.649   | 43    | 22079    | 6.588    | ug/L # | 78        |
| -----                         |         |       |          |          |        |           |

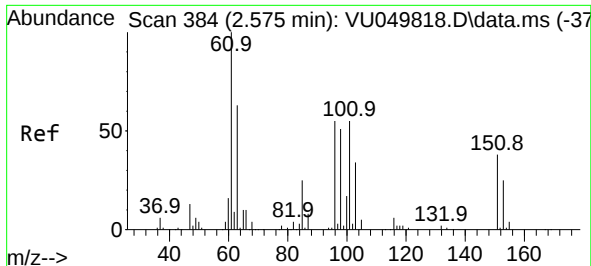
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jul 22 03:08:56 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.500 ug/L

RT: 2.514 min Scan# 3

Delta R.T. -0.061 min

Lab File: VU049836.D

Acq: 21 Jul 2022 18:10

Instrument :

MSVOA\_U

ClientSampleId :

F5C50ME

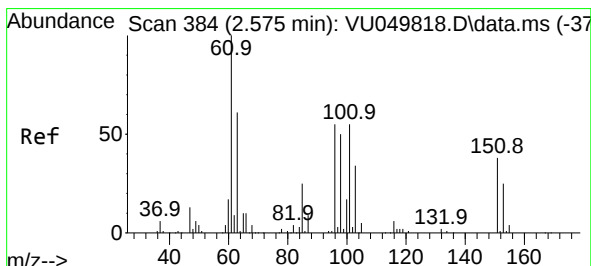
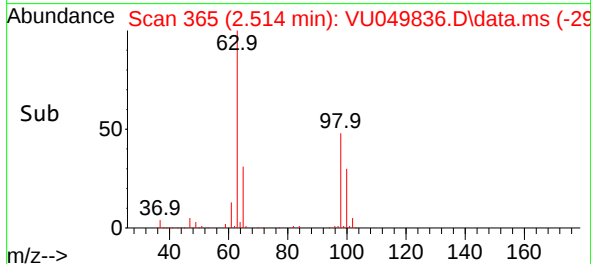
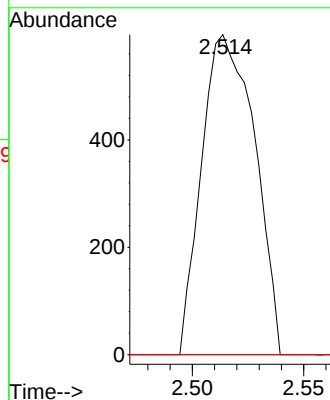
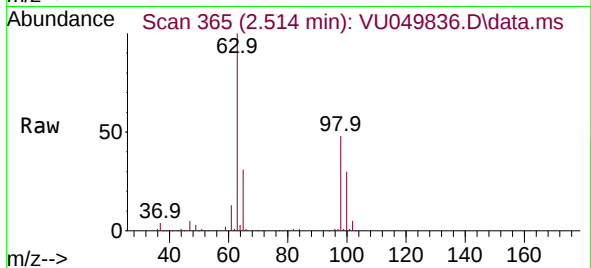
Tgt Ion:101 Resp: 987

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

151 0.0 56.9 85.3#



#12

1,1-Dichloroethene

Concen: 0.458 ug/L

RT: 2.517 min Scan# 366

Delta R.T. -0.058 min

Lab File: VU049836.D

Acq: 21 Jul 2022 18:10

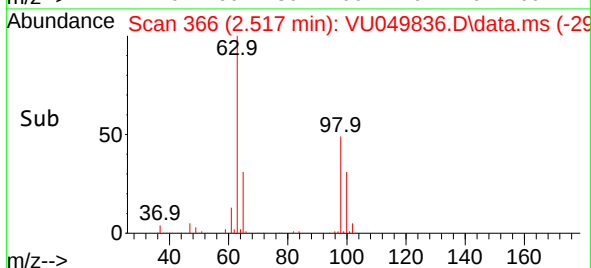
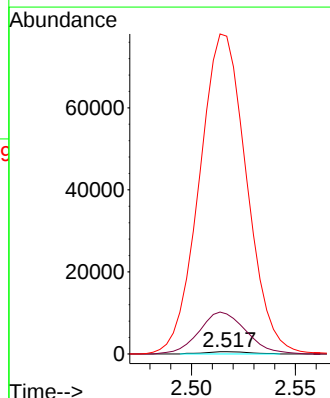
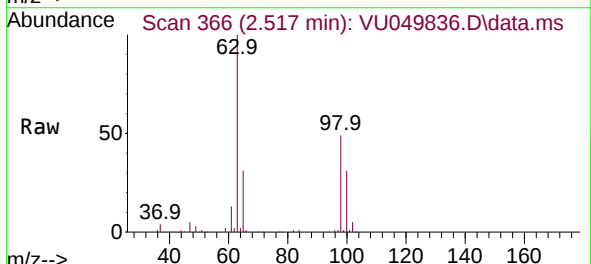
Tgt Ion: 96 Resp: 839

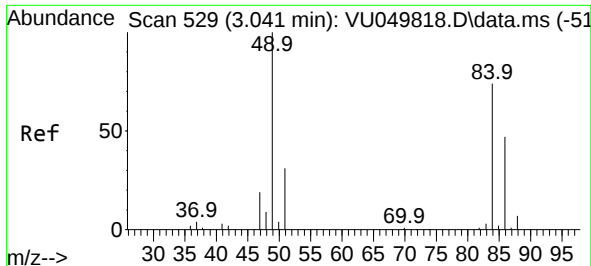
Ion Ratio Lower Upper

96 100

61 1729.7 129.6 240.6#

63 13759.1 79.0 146.6#

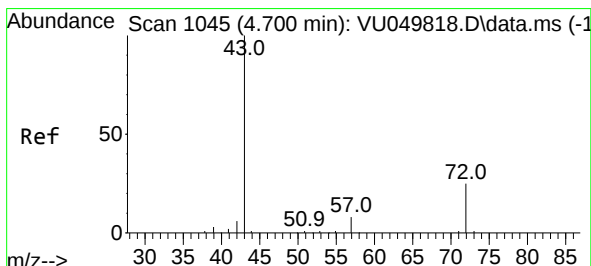
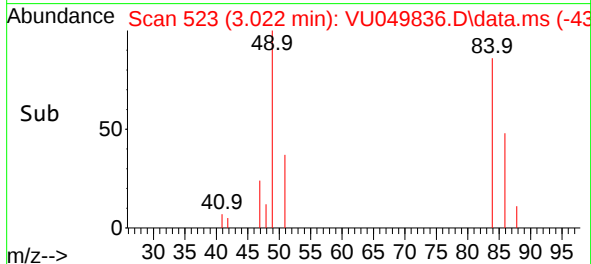
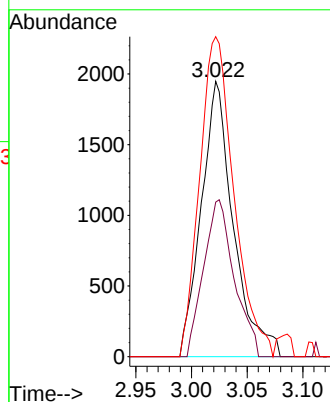
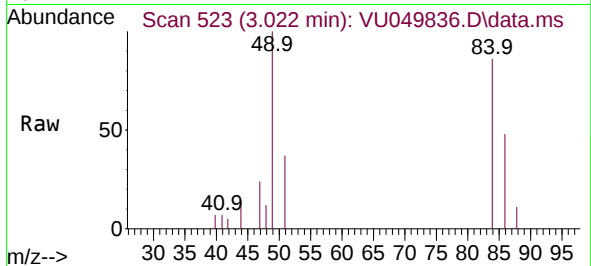




#16  
Methylene chloride  
Concen: 1.693 ug/L  
RT: 3.022 min Scan# 51  
Delta R.T. -0.019 min  
Lab File: VU049836.D  
Acq: 21 Jul 2022 18:10

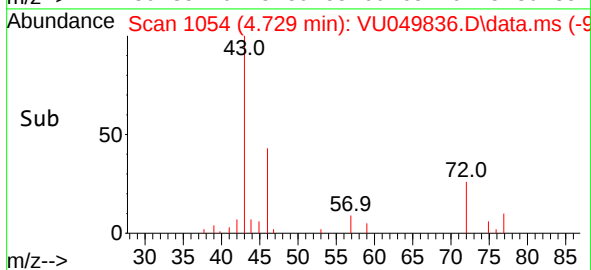
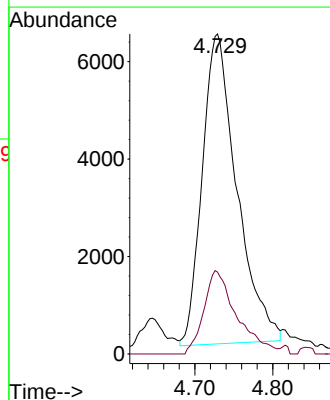
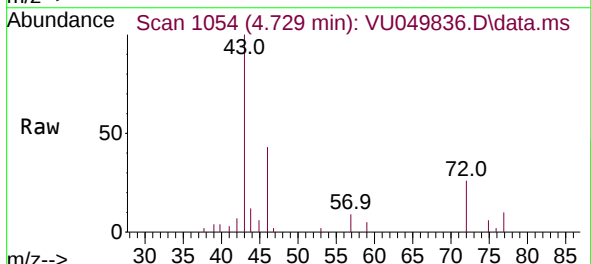
Instrument :  
MSVOA\_U  
ClientSampleId :  
F5C50ME

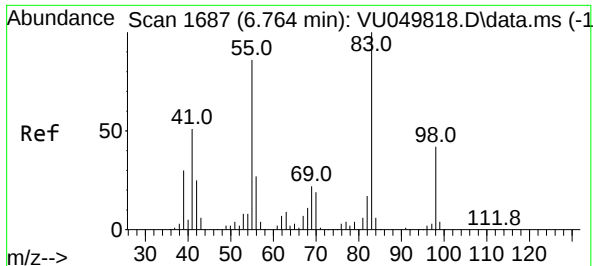
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3908  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 56.2  | 45.6  | 84.6  |
| 49       | 116.2 | 94.4  | 175.4 |



#22  
2-Butanone  
Concen: 8.349 ug/L  
RT: 4.729 min Scan# 1054  
Delta R.T. 0.029 min  
Lab File: VU049836.D  
Acq: 21 Jul 2022 18:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19615 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.5  | 12.7  | 38.0  |





#35

Methylcyclohexane

Concen: 8.397 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU049836.D

Acq: 21 Jul 2022 18:10

Instrument :

MSVOA\_U

ClientSampleId :

F5C50ME

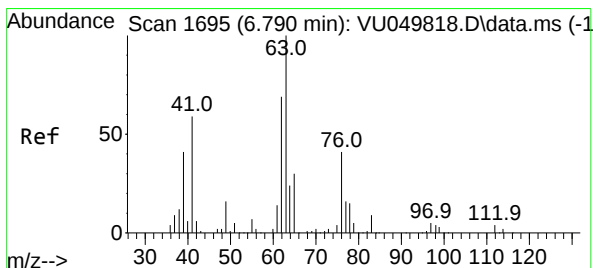
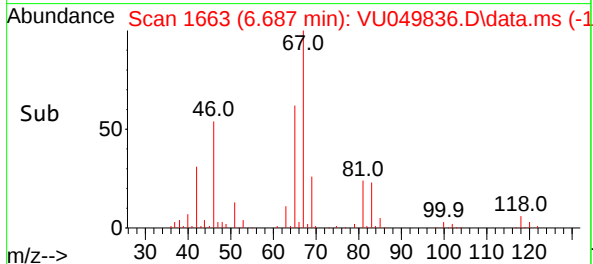
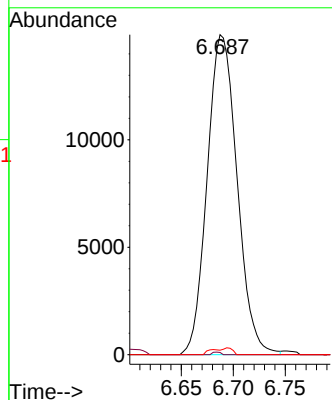
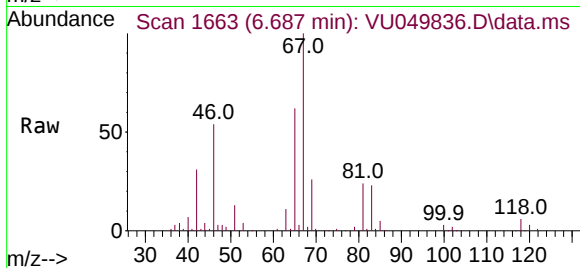
Tgt Ion: 83 Resp: 29810

Ion Ratio Lower Upper

83 100

55 0.2 66.0 99.0#

98 0.7 34.6 51.8#



#37

1,2-Dichloropropane

Concen: 5.739 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU049836.D

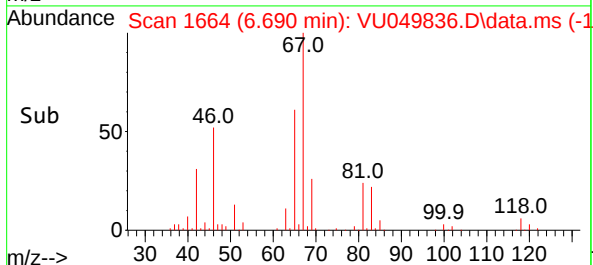
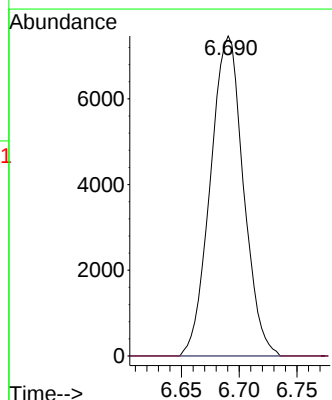
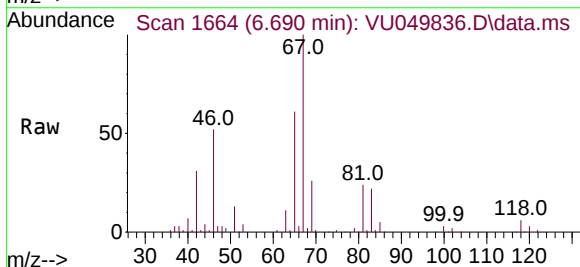
Acq: 21 Jul 2022 18:10

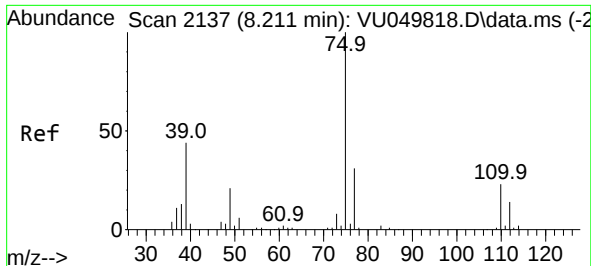
Tgt Ion: 63 Resp: 14866

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#

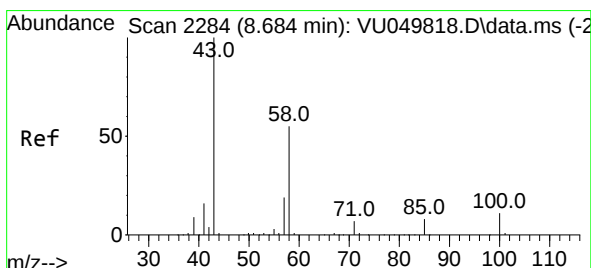
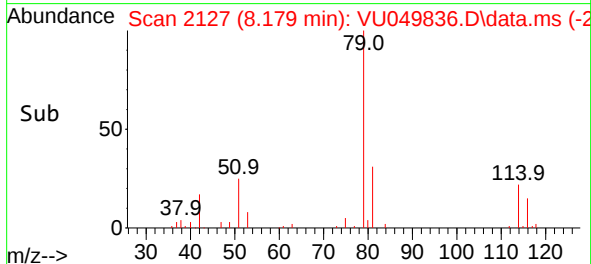
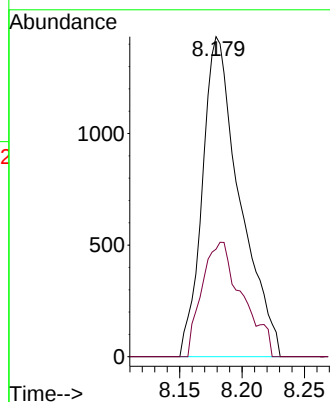
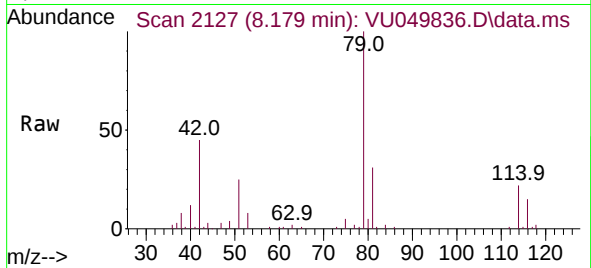




#44  
trans-1,3-Dichloropropene  
Concen: 0.914 ug/L  
RT: 8.179 min Scan# 2137  
Delta R.T. -0.032 min  
Lab File: VU049836.D  
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Instrument :  
MSVOA\_U  
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F5C50ME

Tgt Ion: 75 Resp: 2999  
Ion Ratio Lower Upper  
75 100  
77 33.6 22.5 41.9



#48  
2-Hexanone  
Concen: 6.588 ug/L  
RT: 8.649 min Scan# 2273  
Delta R.T. -0.035 min  
Lab File: VU049836.D  
Acq: 21 Jul 2022 18:10

Tgt Ion: 43 Resp: 22079  
Ion Ratio Lower Upper  
43 100  
58 36.5 42.6 64.0#  
57 26.4 15.0 22.6#  
100 0.0 7.9 11.9#

