

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102522\  
 Data File : VU051488.D  
 Acq On : 25 Oct 2022 16:02  
 Operator : JC/MD  
 Sample : N5258-02ME  
 Misc : 6.41g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBLN3ME

Quant Time: Oct 27 01:29:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 27 01:27:49 2022  
 Response via : Initial Calibration

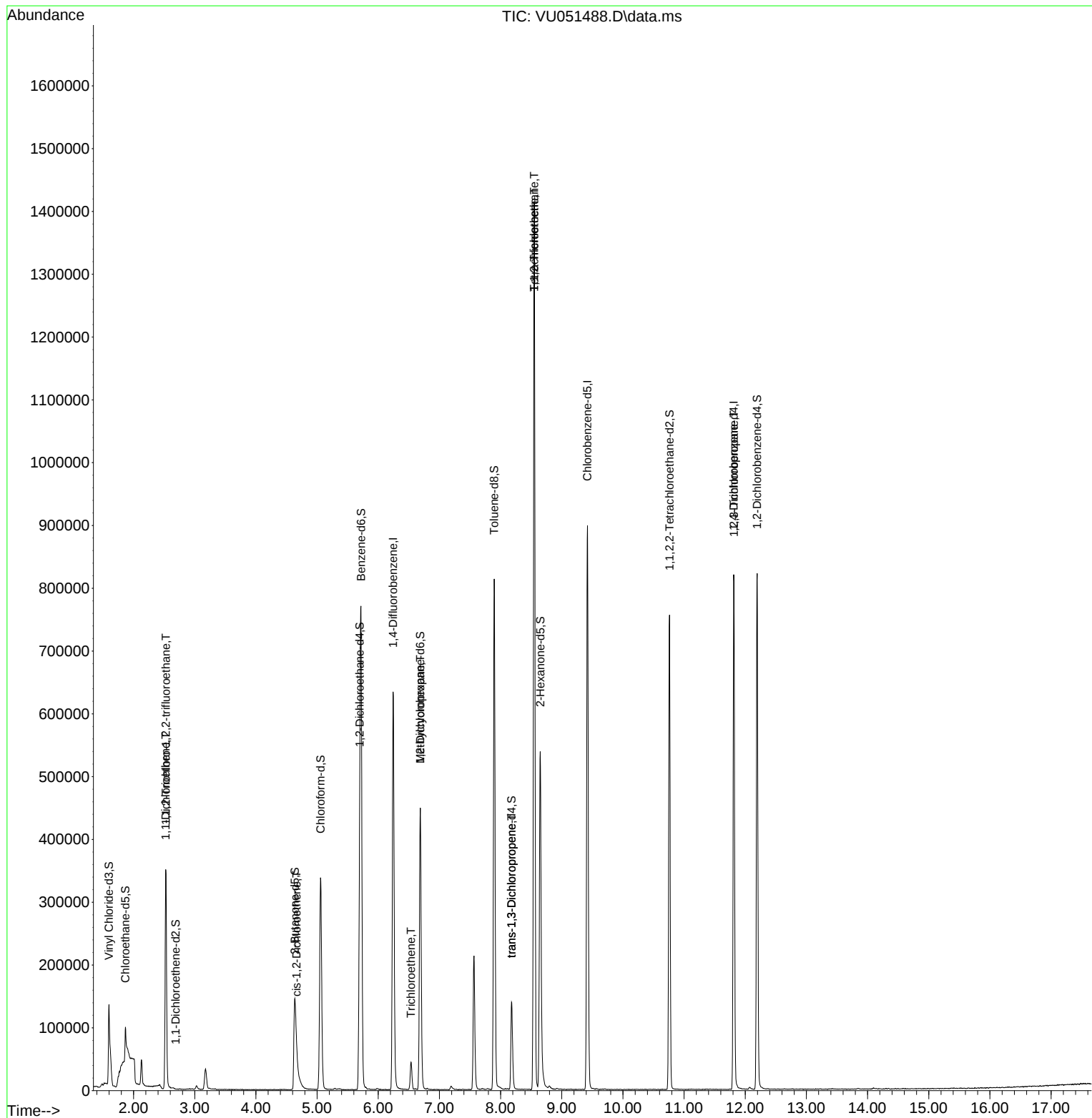
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 543743   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 550007   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 225020   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 158604   | 36.761   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.520%  |
| 7) Chloroethane-d5            | 1.867   | 69    | 55873    | 15.719   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 31.440%# |
| 11) 1,1-Dichloroethene-d2     | 2.687   | 63    | 148      | 0.020    | ug/L   | 0.12     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 0.040%#  |
| 21) 2-Butanone-d5             | 4.636   | 46    | 270160   | 88.829   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.830%  |
| 24) Chloroform-d              | 5.057   | 84    | 333678   | 42.107   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.220%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 217834   | 44.215   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.440%  |
| 32) Benzene-d6                | 5.719   | 84    | 684971   | 45.988   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.980%  |
| 36) 1,2-Dichloropropane-d6    | 6.687   | 67    | 229265   | 46.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.740%  |
| 41) Toluene-d8                | 7.896   | 98    | 574023   | 42.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.560%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 90407    | 43.409   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.820%  |
| 47) 2-Hexanone-d5             | 8.648   | 63    | 204573   | 95.225   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 95.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 384219   | 45.218   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 217348   | 51.598   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.200% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.526   | 101   | 2150     | 0.506    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.523   | 96    | 1515     | 0.376    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 4987     | 1.103    | ug/L   | 99       |
| 34) Trichloroethene           | 6.536   | 95    | 15026    | 3.463    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.687   | 83    | 52172    | 8.406    | ug/L # | 19       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 4311     | 0.681    | ug/L   | 91       |
| 45) 1,1,2-Trichloroethane     | 8.549   | 97    | 2821     | 0.573    | ug/L # | 1        |
| 46) Tetrachloroethene         | 8.549   | 164   | 319138   | 98.541   | ug/L   | 97       |
| 60) 1,2,3-Trichloropropane    | 11.816  | 75    | 26592    | 4.560    | ug/L # | 67       |
| -----                         |         |       |          |          |        |          |

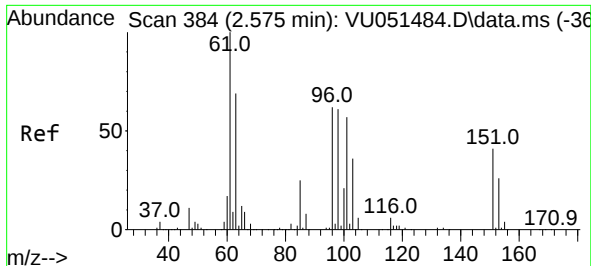
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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GBLN3ME

Quant Time: Oct 27 01:29:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102022WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 27 01:27:49 2022  
Response via : Initial Calibration





#10

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

Concen: 0.506 ug/L

RT: 2.526 min Scan# 3

Delta R.T. -0.048 min

Lab File: VU051488.D

Acq: 25 Oct 2022 16:02

Instrument :

MSVOA\_U

ClientSampleId :

GBLN3ME

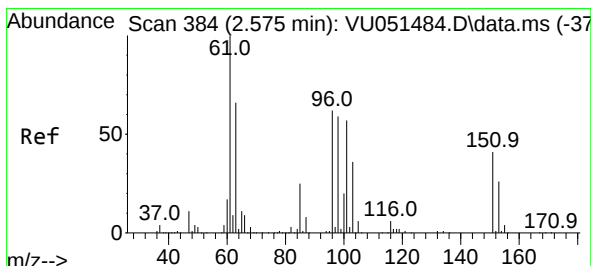
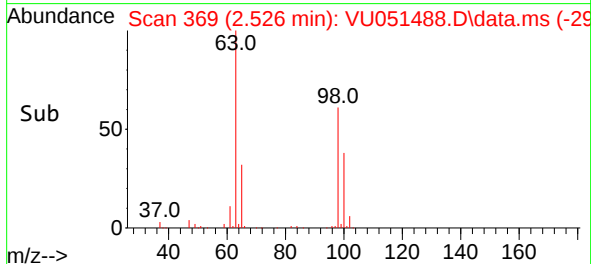
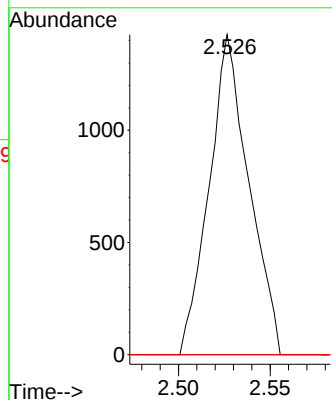
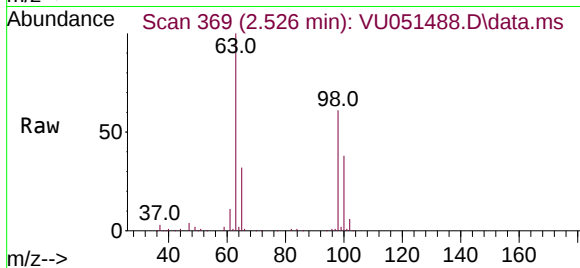
Tgt Ion:101 Resp: 2150

Ion Ratio Lower Upper

101 100

85 0.0 35.2 52.8#

151 0.0 57.8 86.8#



#12

1,1-Dichloroethene

Concen: 0.376 ug/L

RT: 2.523 min Scan# 368

Delta R.T. -0.051 min

Lab File: VU051488.D

Acq: 25 Oct 2022 16:02

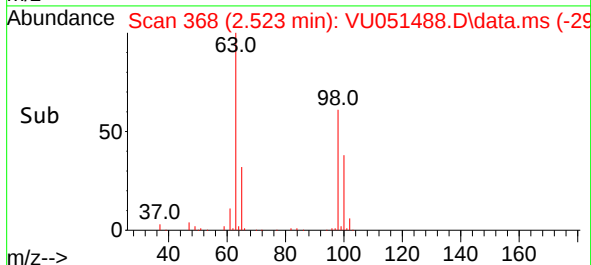
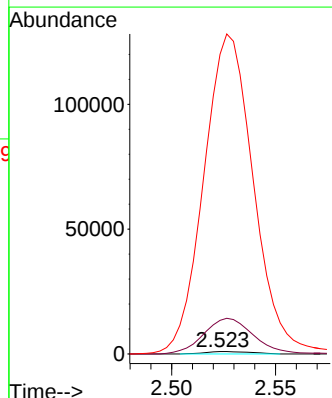
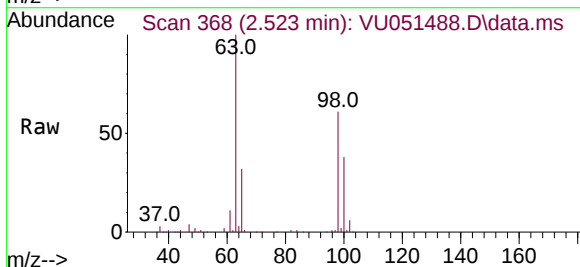
Tgt Ion: 96 Resp: 1515

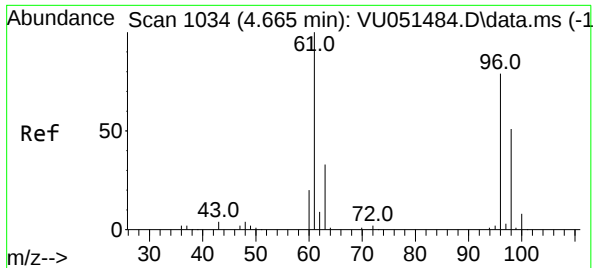
Ion Ratio Lower Upper

96 100

61 1361.7 119.0 221.0#

63 12156.3 78.5 145.7#

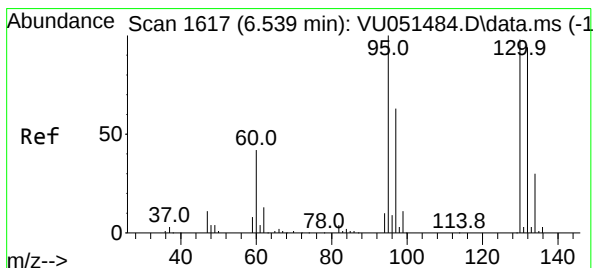
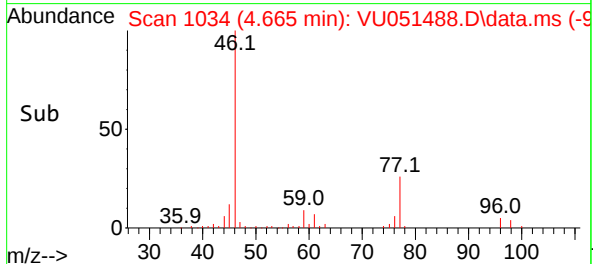
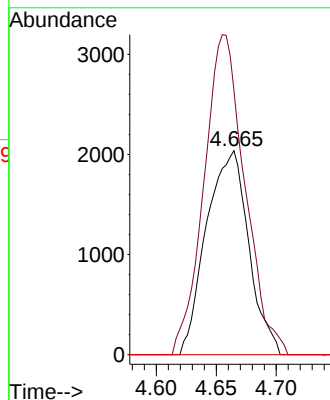
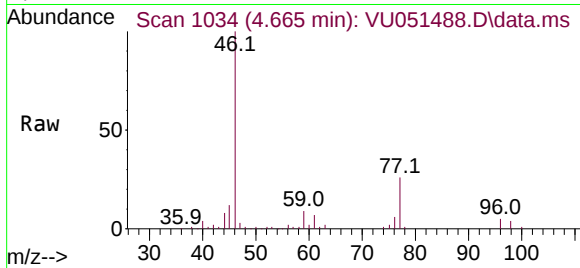




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.103 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. -0.000 min  
 Lab File: VU051488.D  
 Acq: 25 Oct 2022 16:02

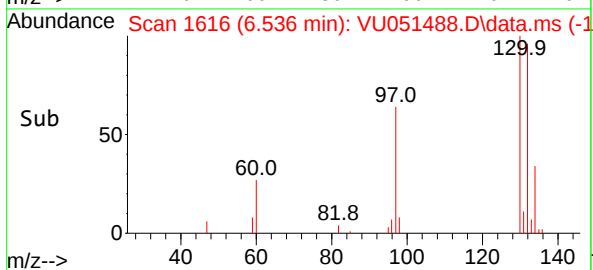
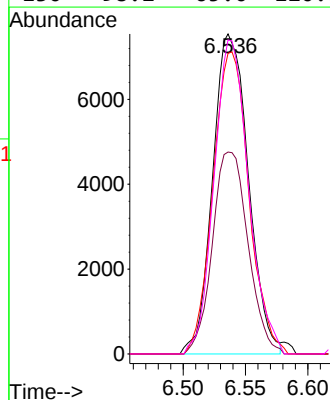
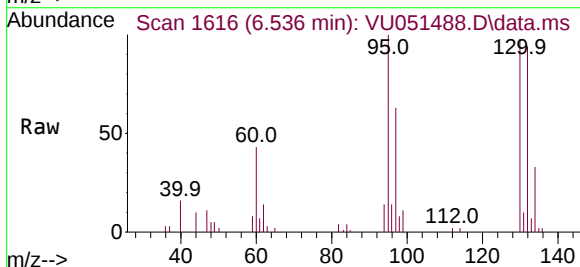
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBLN3ME

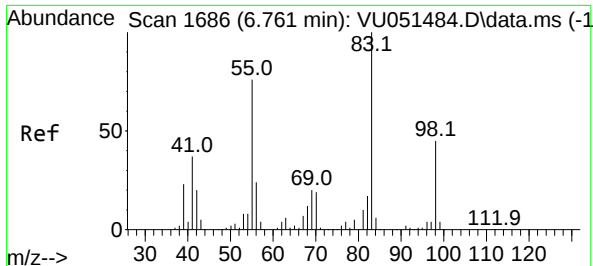
Tgt Ion: 96 Resp: 4987  
 Ion Ratio Lower Upper  
 96 100  
 61 129.5 89.7 166.7  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 3.463 ug/L  
 RT: 6.536 min Scan# 1616  
 Delta R.T. -0.003 min  
 Lab File: VU051488.D  
 Acq: 25 Oct 2022 16:02

Tgt Ion: 95 Resp: 15026  
 Ion Ratio Lower Upper  
 95 100  
 97 63.1 43.8 81.4  
 132 93.9 61.9 114.9  
 130 98.2 65.0 120.8





#35

Methylcyclohexane

Concen: 8.406 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU051488.D

Acq: 25 Oct 2022 16:02

Instrument :

MSVOA\_U

ClientSampleId :

GBLN3ME

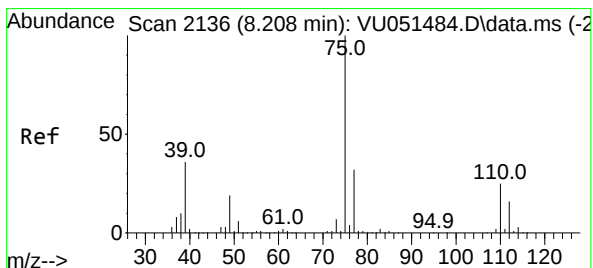
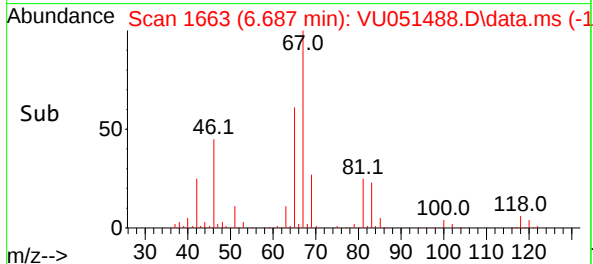
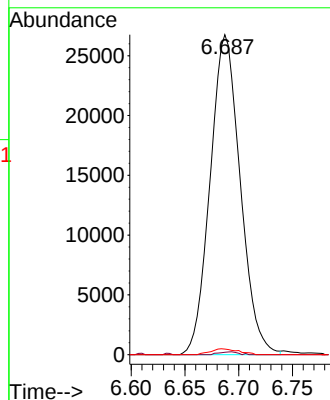
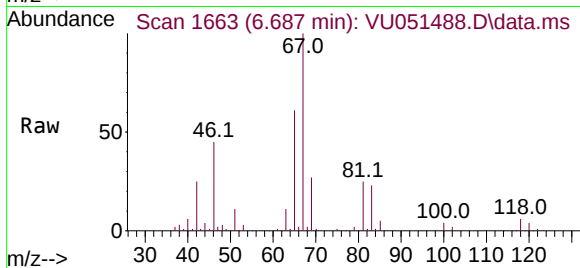
Tgt Ion: 83 Resp: 52172

Ion Ratio Lower Upper

83 100

55 0.5 62.6 93.8#

98 1.3 36.2 54.4#



#44

trans-1,3-Dichloropropene

Concen: 0.681 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU051488.D

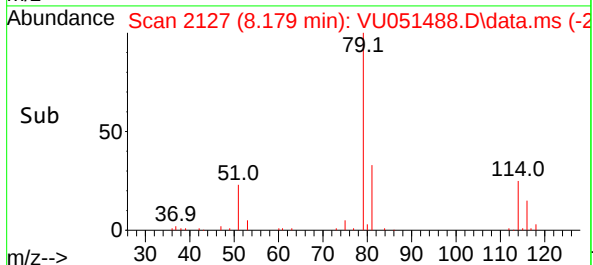
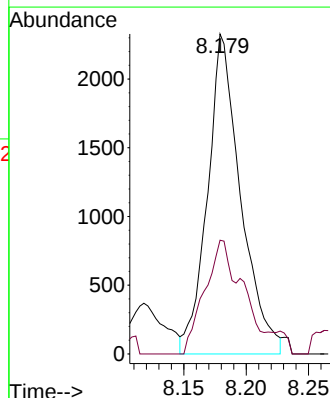
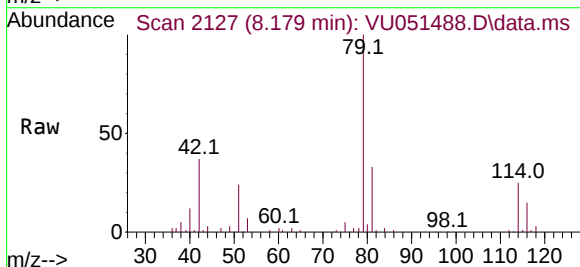
Acq: 25 Oct 2022 16:02

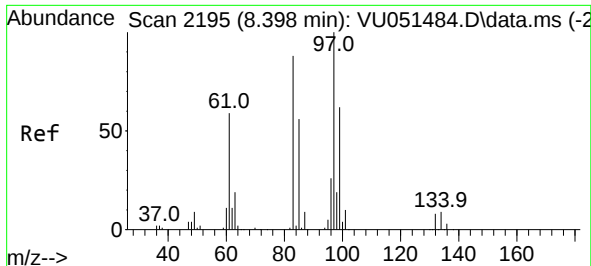
Tgt Ion: 75 Resp: 4311

Ion Ratio Lower Upper

75 100

77 35.6 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 0.573 ug/L

RT: 8.549 min Scan# 2195

Delta R.T. 0.151 min

Lab File: VU051488.D

Acq: 25 Oct 2022 16:02

Instrument :

MSVOA\_U

ClientSampleId :

GBLN3ME

Tgt Ion: 97 Resp: 2821

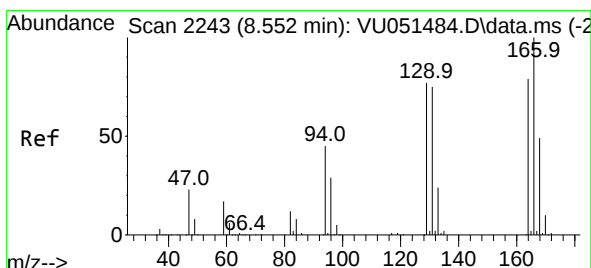
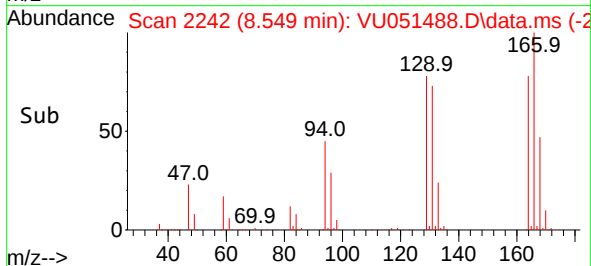
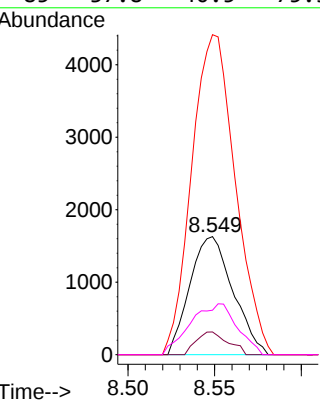
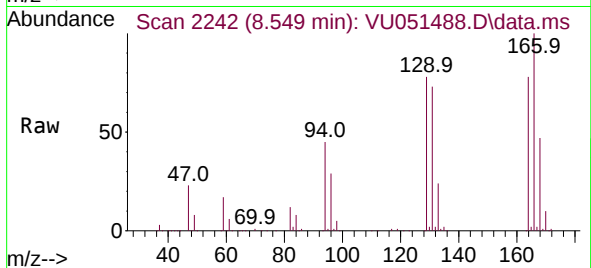
Ion Ratio Lower Upper

97 100

99 19.3 43.6 81.0#

83 271.0 61.8 114.8#

85 37.8 40.5 75.3#



#46

Tetrachloroethene

Concen: 98.541 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.003 min

Lab File: VU051488.D

Acq: 25 Oct 2022 16:02

Tgt Ion: 164 Resp: 319138

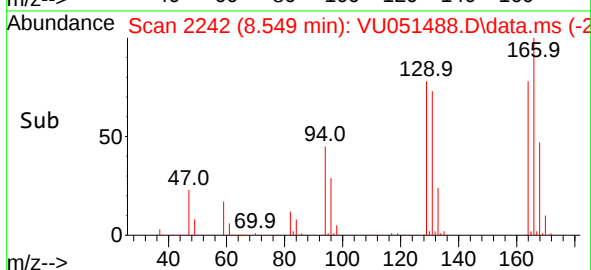
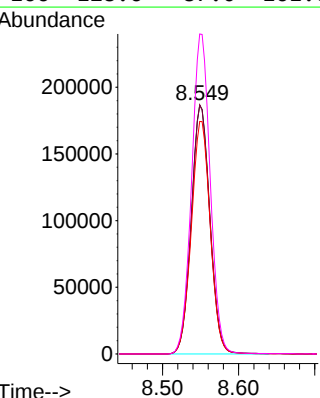
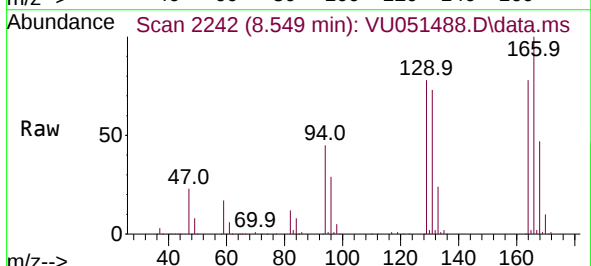
Ion Ratio Lower Upper

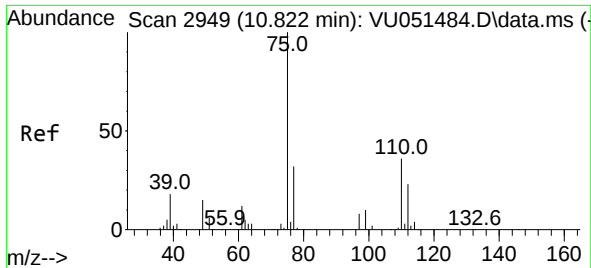
164 100

129 100.1 67.3 124.9

131 93.4 65.2 121.0

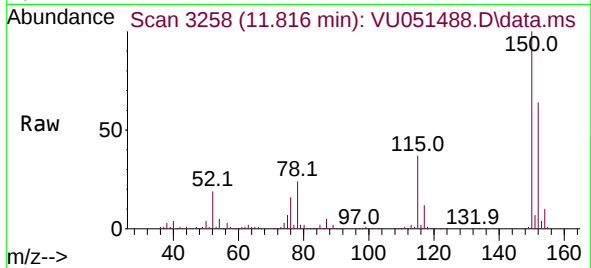
166 128.6 87.0 161.6





#60  
 1,2,3-Trichloropropane  
 Concen: 4.560 ug/L  
 RT: 11.816 min Scan# 31  
 Delta R.T. 0.994 min  
 Lab File: VU051488.D  
 Acq: 25 Oct 2022 16:02

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBLN3ME



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 26592       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 30.7  | 26.1 39.1   |
| 110         | 1.1   | 28.7 43.1#  |

