

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047438.D  
 Acq On : 10 Mar 2022 06:05  
 Operator : SY/MD  
 Sample : N1857-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 10 06:34:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 03:57:44 2022  
 Response via : Initial Calibration

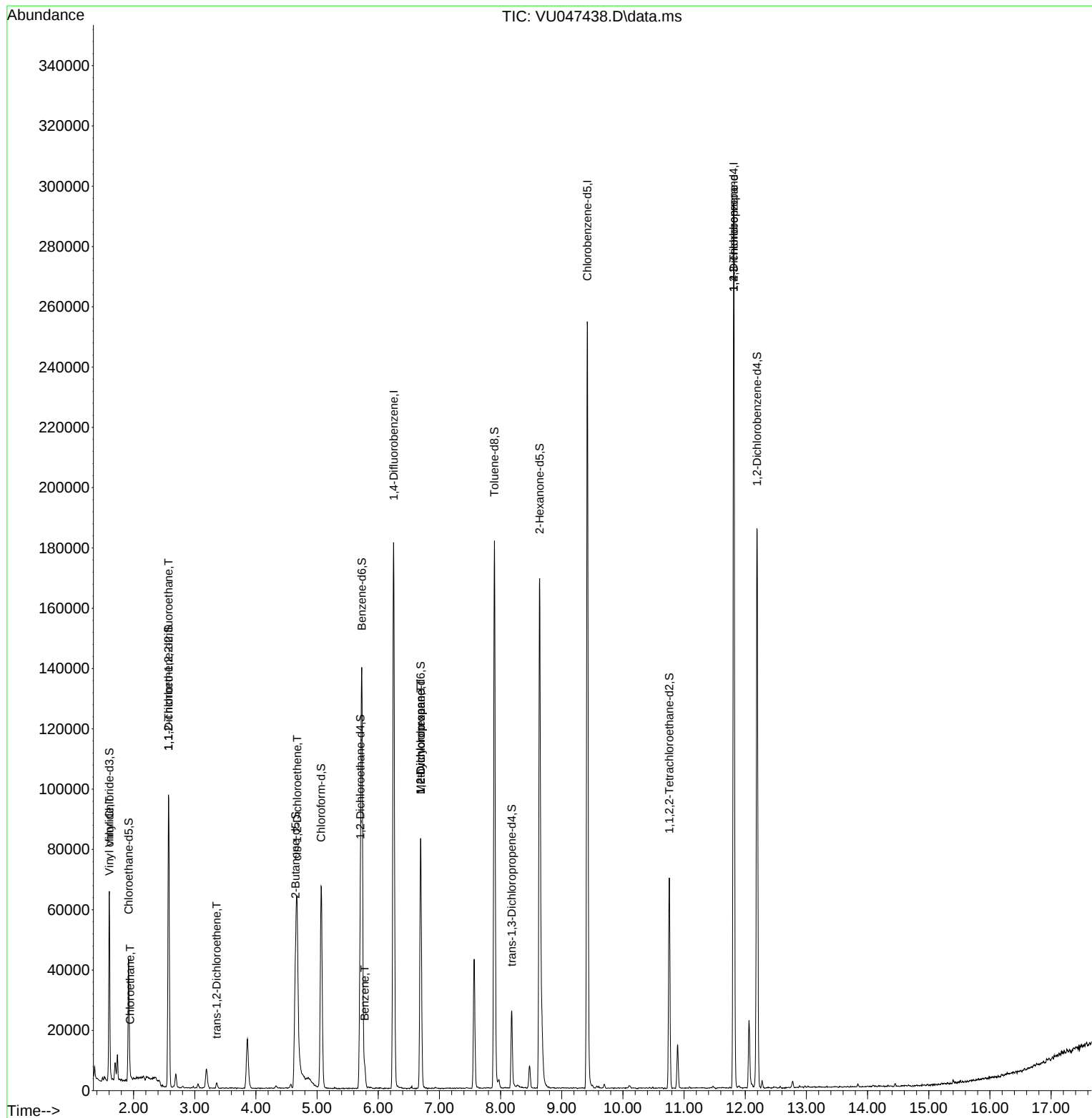
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 159663   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 154329   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 81503    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 39008    | 4.505    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 90.000%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 30099    | 4.735    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 17781    | 4.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.000%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 70976    | 46.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.080%  |
| 24) Chloroform-d              | 5.067  | 84    | 62868    | 4.557    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 32949    | 4.717    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 32) Benzene-d6                | 5.732  | 84    | 136365   | 4.697    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 40267    | 4.689    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.800%  |
| 41) Toluene-d8                | 7.899  | 98    | 128643   | 4.508    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.200%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 15041    | 4.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.600%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 73934    | 46.030   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 34252    | 4.577    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 51315    | 4.966    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.607  | 62    | 5393     | 0.459    | ug/L   | 84       |
| 8) Chloroethane               | 1.945  | 64    | 1229     | 0.172    | ug/L   | 87       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.572  | 101   | 429      | 0.045    | ug/L # | 17       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 885      | 0.088    | ug/L   | 75       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 19927    | 1.792    | ug/L   | 97       |
| 33) Benzene                   | 5.780  | 78    | 6479     | 0.155    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.694  | 83    | 9419     | 0.536    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694  | 63    | 4137     | 0.399    | ug/L # | 88       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 8704     | 1.153    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

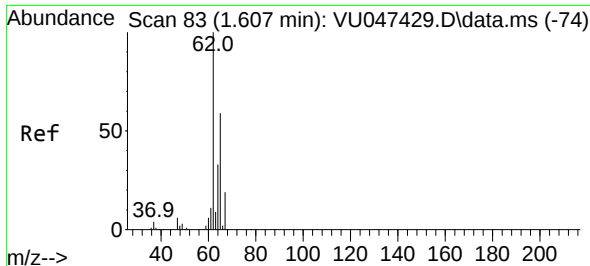
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 10 03:57:44 2022  
Response via : Initial Calibration

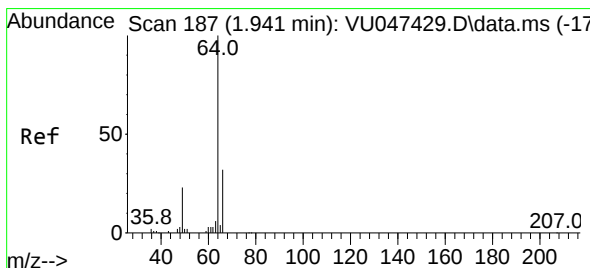
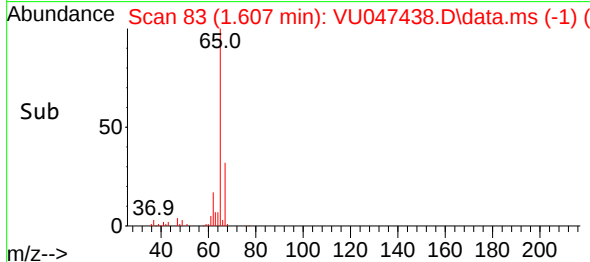
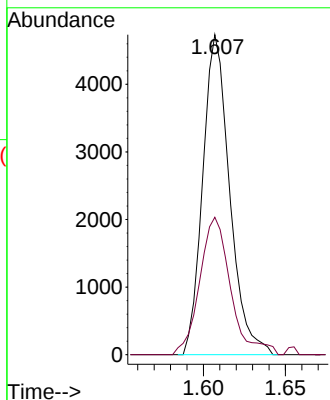
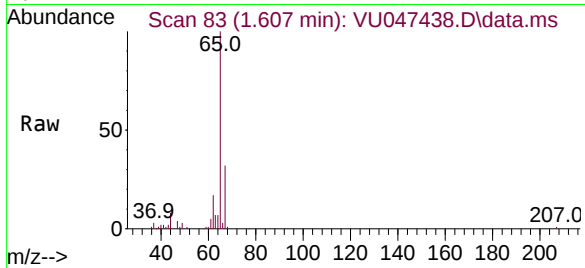




#5  
 Vinyl chloride  
 Concen: 0.459 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU047438.D  
 Acq: 10 Mar 2022 06:05

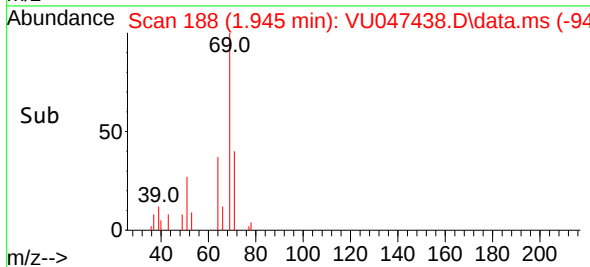
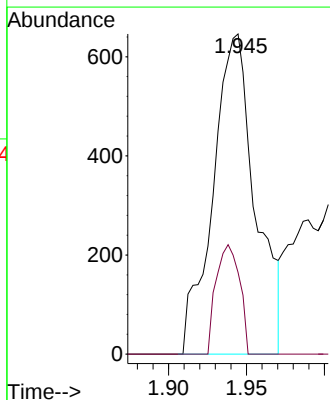
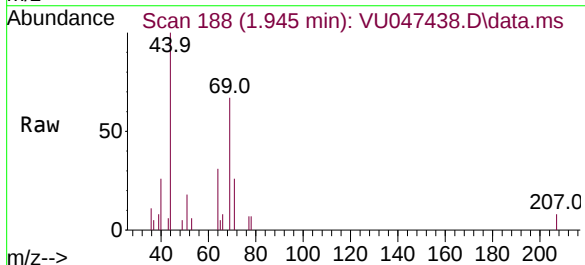
Instrument :  
 MSVOA\_U  
 ClientSampleId :

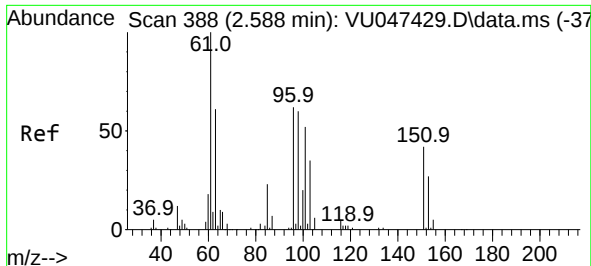
Tgt Ion: 62 Resp: 5393  
 Ion Ratio Lower Upper  
 62 100  
 64 43.0 23.7 43.9



#8  
 Chloroethane  
 Concen: 0.172 ug/L  
 RT: 1.945 min Scan# 188  
 Delta R.T. 0.003 min  
 Lab File: VU047438.D  
 Acq: 10 Mar 2022 06:05

Tgt Ion: 64 Resp: 1229  
 Ion Ratio Lower Upper  
 64 100  
 66 25.5 22.9 42.5





#10

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

Concen: 0.045 ug/L

RT: 2.572 min Scan# 388

Delta R.T. -0.016 min

Lab File: VU047438.D

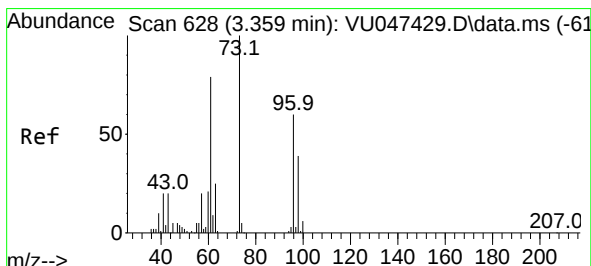
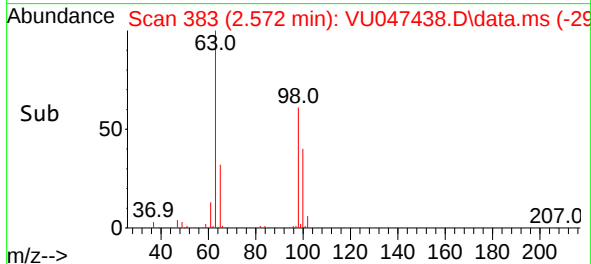
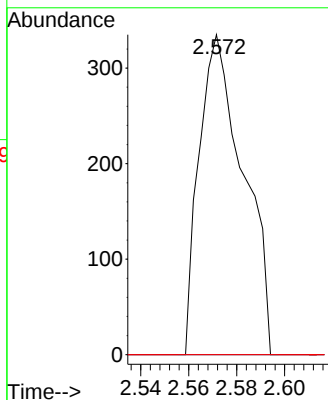
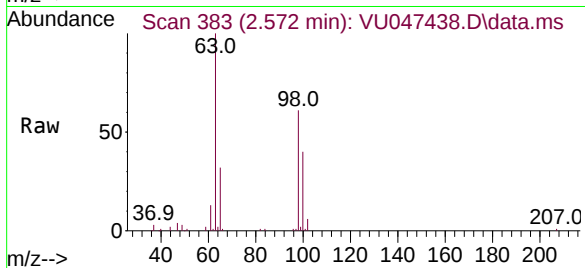
Acq: 10 Mar 2022 06:05

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:101 | Resp: | 429         |
| Ion         | Ratio | Lower Upper |
| 101         | 100   |             |
| 85          | 0.0   | 33.8 50.6#  |
| 151         | 0.0   | 64.8 97.2#  |



#18

trans-1,2-Dichloroethene

Concen: 0.088 ug/L

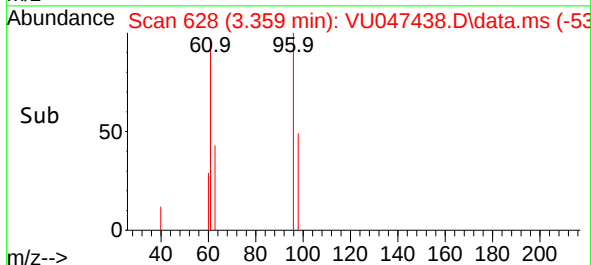
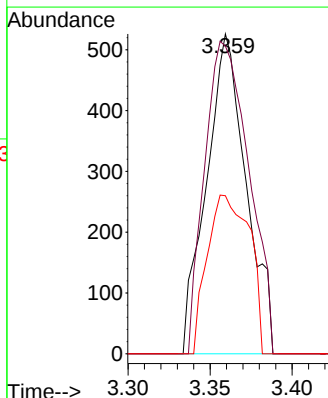
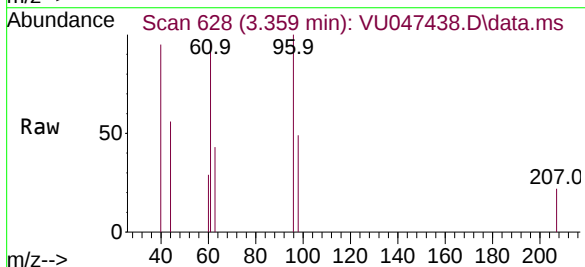
RT: 3.359 min Scan# 628

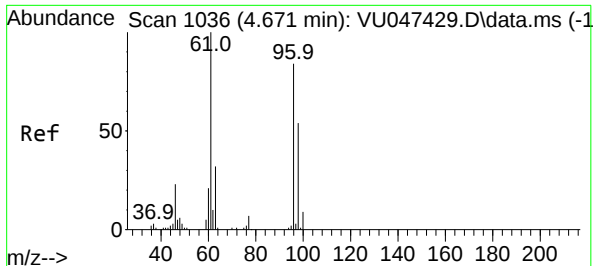
Delta R.T. 0.000 min

Lab File: VU047438.D

Acq: 10 Mar 2022 06:05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 885         |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 96.2  | 90.4 167.8  |
| 98          | 49.4  | 45.0 83.6   |





#22

cis-1,2-Dichloroethene

Concen: 1.792 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047438.D

Acq: 10 Mar 2022 06:05

Instrument :

MSVOA\_U

ClientSampleId :

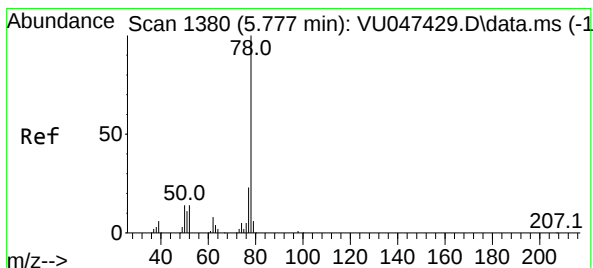
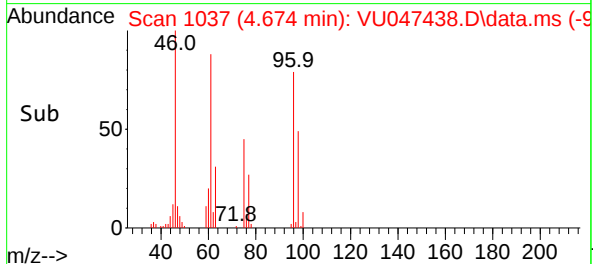
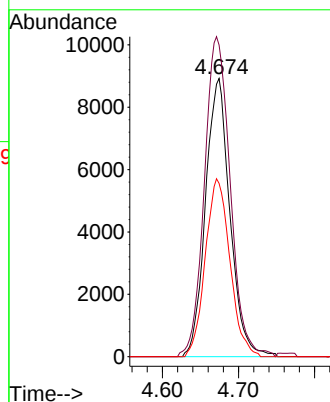
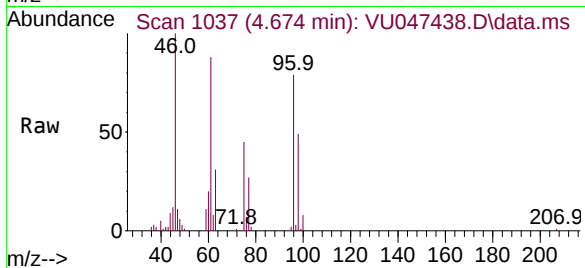
Tgt Ion: 96 Resp: 19927

Ion Ratio Lower Upper

96 100

61 112.0 80.8 150.0

98 62.3 44.7 83.1



#33

Benzene

Concen: 0.155 ug/L

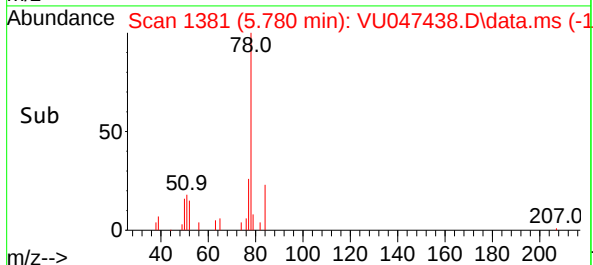
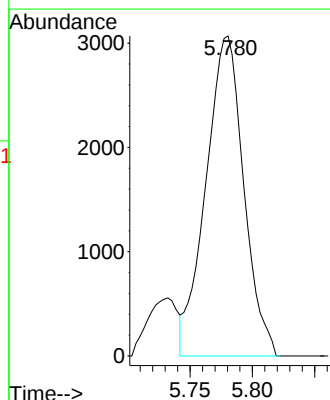
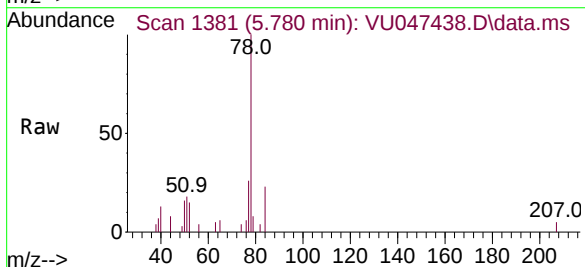
RT: 5.780 min Scan# 1381

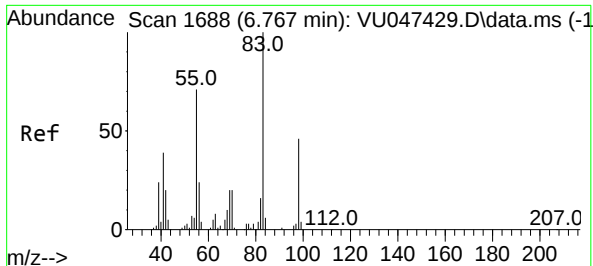
Delta R.T. 0.003 min

Lab File: VU047438.D

Acq: 10 Mar 2022 06:05

Tgt Ion: 78 Resp: 6479

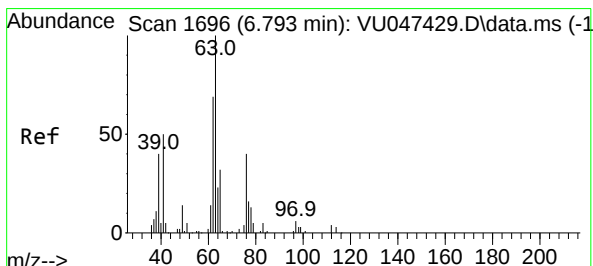
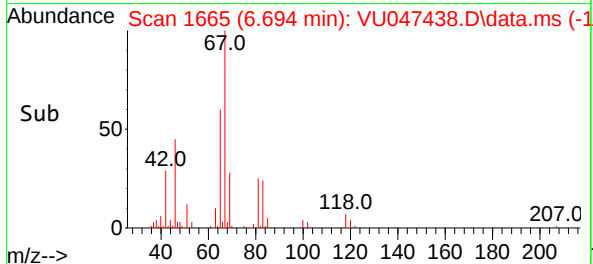
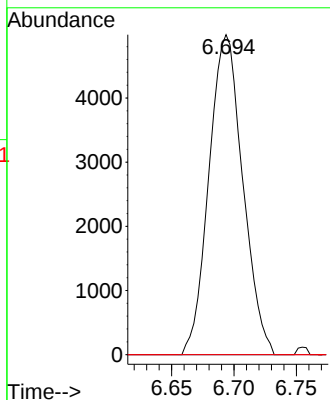
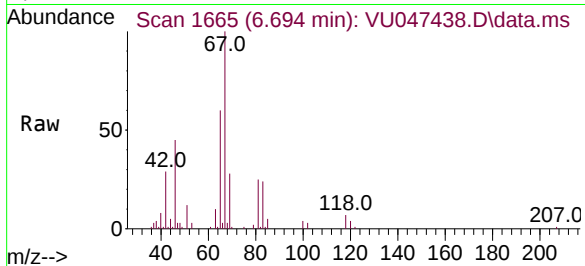




#35  
Methylcyclohexane  
Concen: 0.536 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU047438.D  
Acq: 10 Mar 2022 06:05

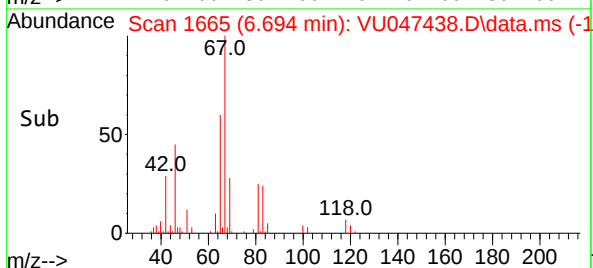
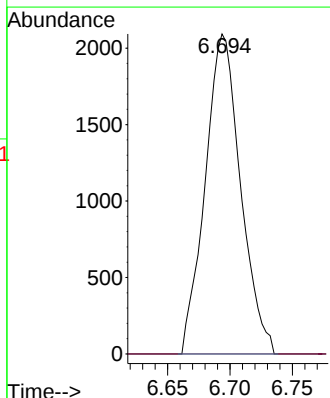
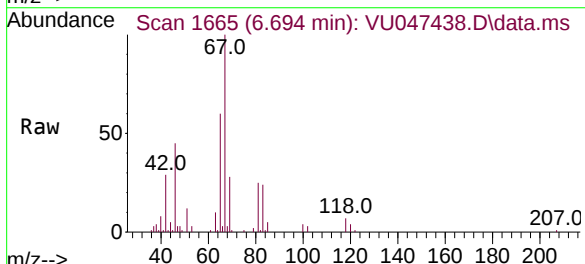
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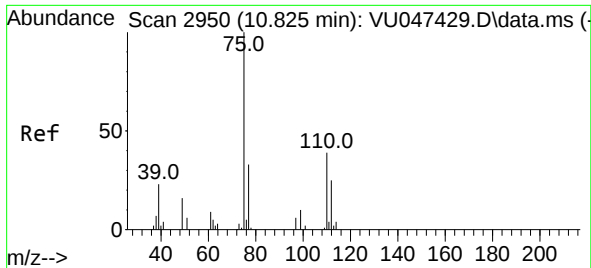
Tgt Ion: 83 Resp: 9419  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.8 86.8#  
98 0.0 38.0 57.0#



#37  
1,2-Dichloropropane  
Concen: 0.399 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU047438.D  
Acq: 10 Mar 2022 06:05

Tgt Ion: 63 Resp: 4137  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#





#61

1,2,3-Trichloropropane

Concen: 1.153 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.987 min

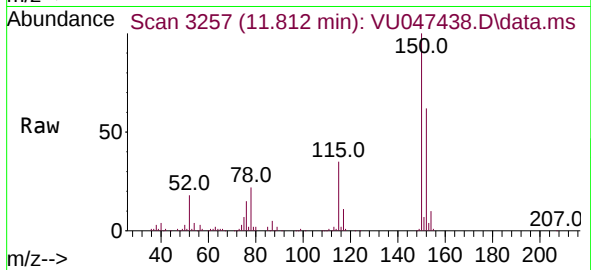
Lab File: VU047438.D

Acq: 10 Mar 2022 06:05

Instrument :

MSVOA\_U

ClientSampleId :



|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 8704       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 2.6   | 31.0 46.4# |
| 77          | 32.7  | 26.2 39.4  |

