

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111023\  
 Data File : VU056169.D  
 Acq On : 10 Nov 2023 14:05  
 Operator : MD/SY  
 Sample : 05340-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 10 22:21:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 10 22:17:51 2023  
 Response via : Initial Calibration

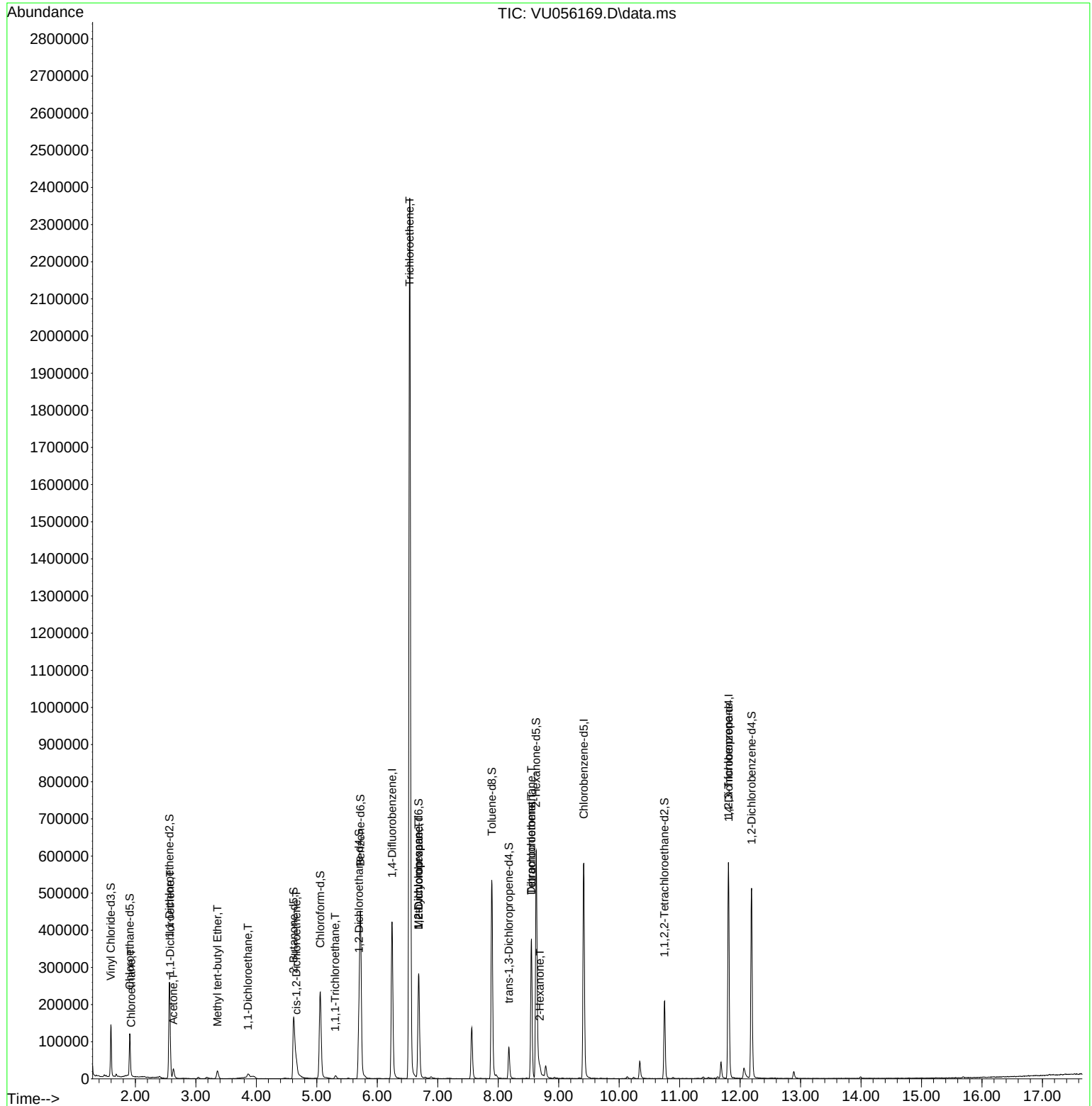
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 359024   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 357703   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 164453   | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 99497    | 4.465    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.200%   |
| 7) Chloroethane-d5            | 1.907  | 69    | 85563    | 5.658    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 113.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 44626    | 4.545    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 91.000%   |
| 20) 2-Butanone-d5             | 4.618  | 46    | 257384   | 70.402   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 140.800%# |
| 24) Chloroform-d              | 5.058  | 84    | 229293   | 5.405    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 109607   | 5.868    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 117.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 451547   | 5.256    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 146161   | 5.780    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 115.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 382787   | 4.862    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.200%   |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 50653    | 5.240    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 104.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 219760   | 69.360   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 138.720%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 107126   | 5.935    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 118.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 142835   | 5.632    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 112.600%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 8) Chloroethane               | 1.930  | 64    | 2151     | 0.134    | ug/L   | 92        |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 12231    | 0.530    | ug/L # | 1         |
| 13) Acetone                   | 2.628  | 43    | 33032    | 12.251   | ug/L   | 99        |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 23729    | 0.456    | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 10846    | 0.243    | ug/L   | 95        |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 14986    | 0.568    | ug/L   | 95        |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 6358     | 0.155    | ug/L   | 90        |
| 34) Trichloroethene           | 6.537  | 95    | 860114   | 30.744   | ug/L   | 96        |
| 35) Methylcyclohexane         | 6.685  | 83    | 33589    | 0.808    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 14622    | 0.549    | ug/L # | 88        |
| 47) Tetrachloroethene         | 8.550  | 164   | 85629    | 4.078    | ug/L   | 94        |
| 48) 2-Hexanone                | 8.688  | 43    | 14545    | 1.715    | ug/L   | 99        |
| 49) Dibromochloromethane      | 8.550  | 129   | 83736    | 4.008    | ug/L # | 10        |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 18314    | 1.290    | ug/L # | 69        |
| -----                         |        |       |          |          |        |           |

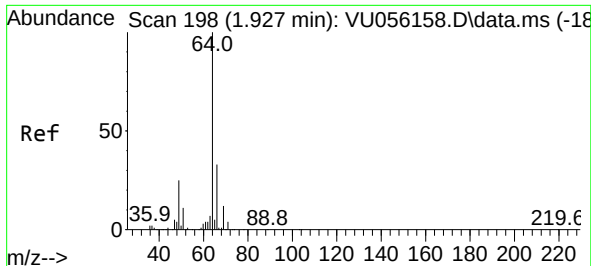
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05340-01  
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MSVOA\_U  
ClientSampleId :

Quant Time: Nov 10 22:21:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 10 22:17:51 2023  
Response via : Initial Calibration

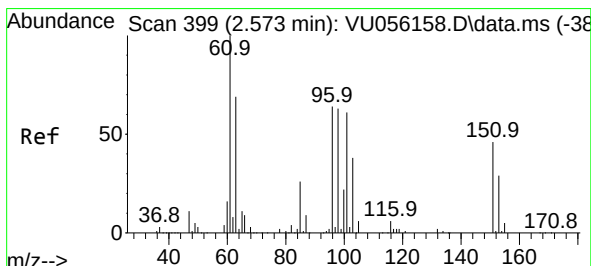
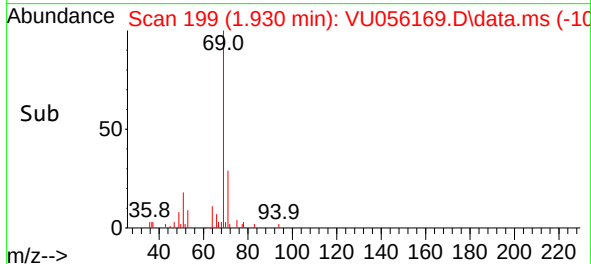
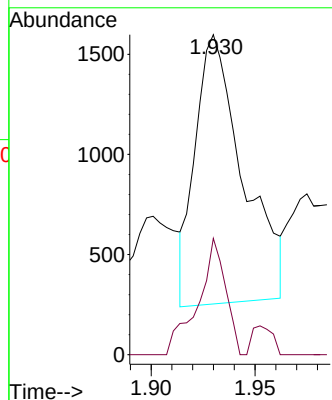
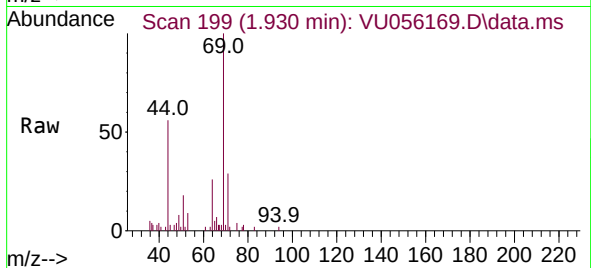




#8  
Chloroethane  
Concen: 0.134 ug/L  
RT: 1.930 min Scan# 198  
Delta R.T. 0.003 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

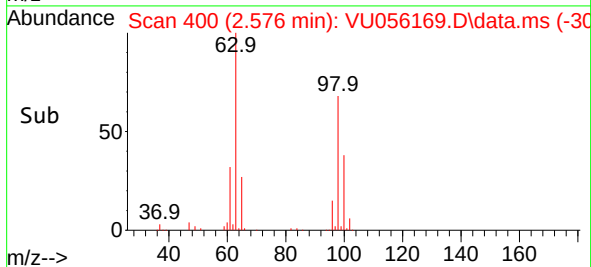
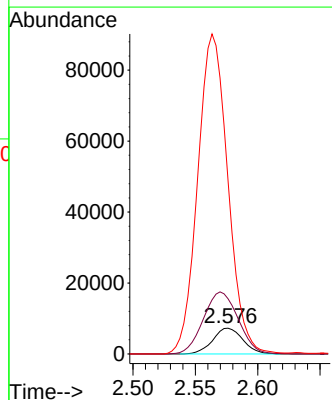
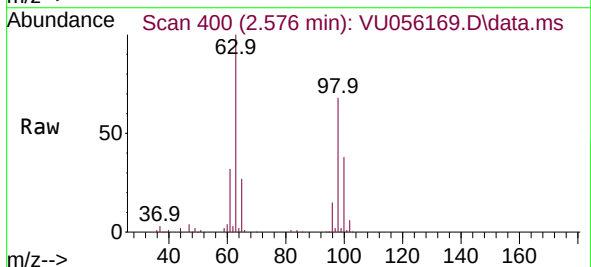
Instrument :  
MSVOA\_U  
ClientSampleId :

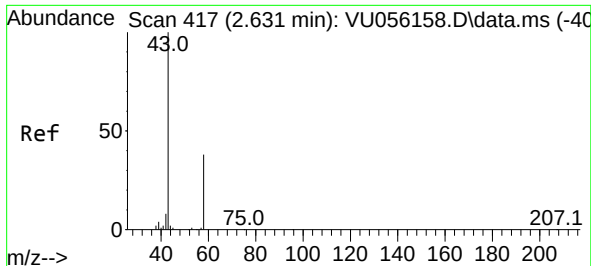
Tgt Ion: 64 Resp: 2151  
Ion Ratio Lower Upper  
64 100  
66 36.4 22.4 41.6



#12  
1,1-Dichloroethene  
Concen: 0.530 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

Tgt Ion: 96 Resp: 12231  
Ion Ratio Lower Upper  
96 100  
61 214.8 111.7 207.5#  
63 674.1 74.5 138.3#





#13

Acetone

Concen: 12.251 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056169.D

Acq: 10 Nov 2023 14:05

Instrument :

MSVOA\_U

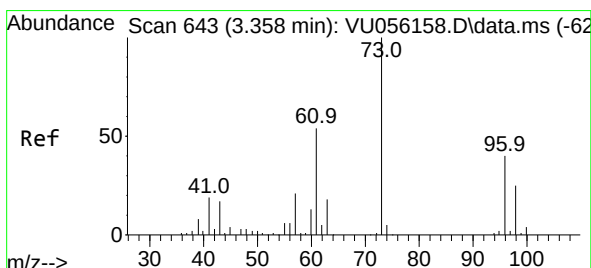
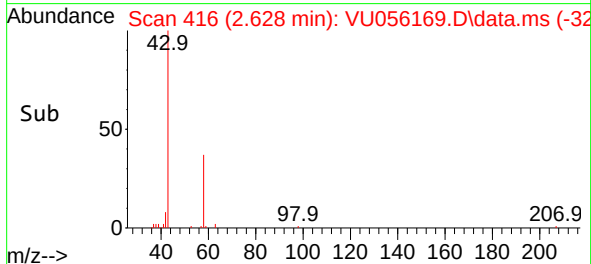
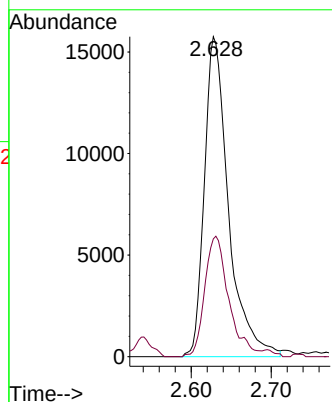
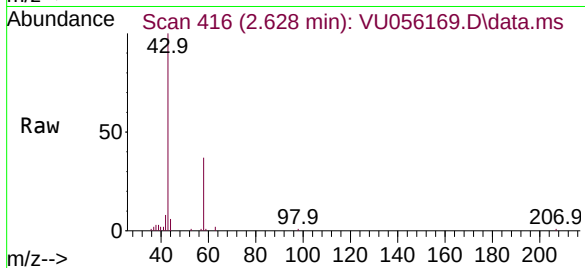
ClientSampleId :

Tgt Ion: 43 Resp: 33032

Ion Ratio Lower Upper

43 100

58 37.6 0.0 74.4



#17

Methyl tert-butyl Ether

Concen: 0.456 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU056169.D

Acq: 10 Nov 2023 14:05

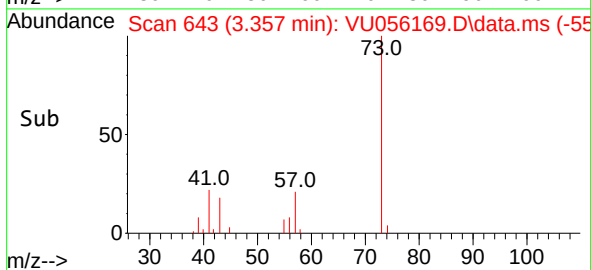
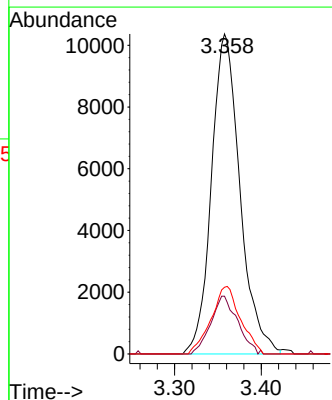
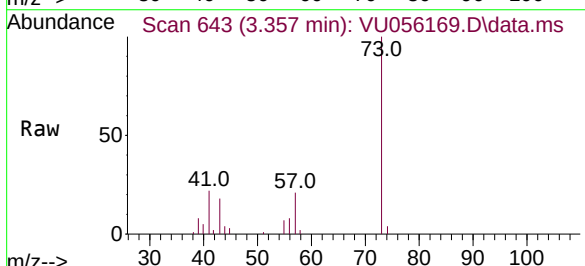
Tgt Ion: 73 Resp: 23729

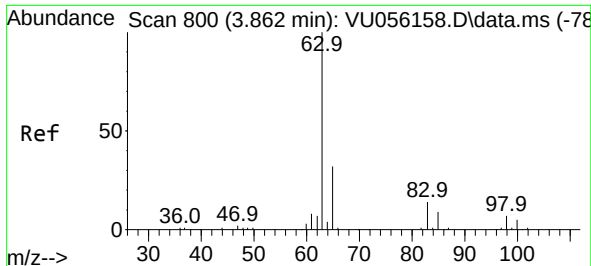
Ion Ratio Lower Upper

73 100

43 17.0 13.6 20.4

57 21.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.243 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056169.D

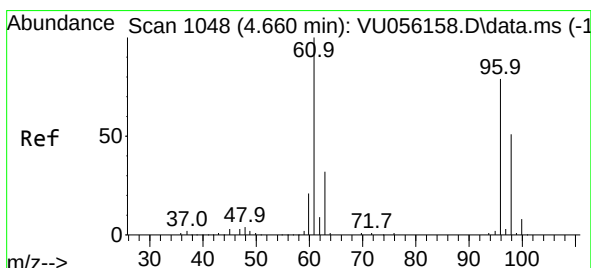
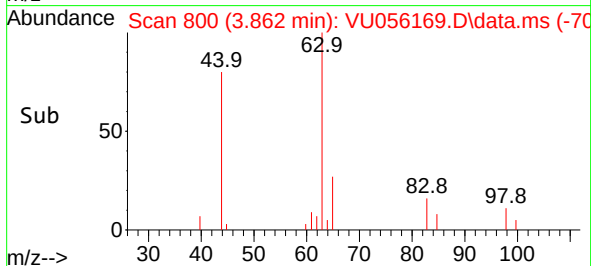
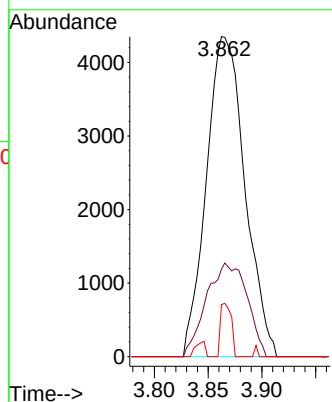
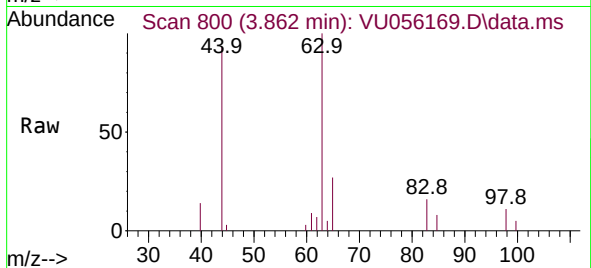
Acq: 10 Nov 2023 14:05

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 10846 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 27.4  | 20.6  | 38.2  |
| 83       | 16.2  | 9.6   | 17.8  |



#22

cis-1,2-Dichloroethene

Concen: 0.568 ug/L

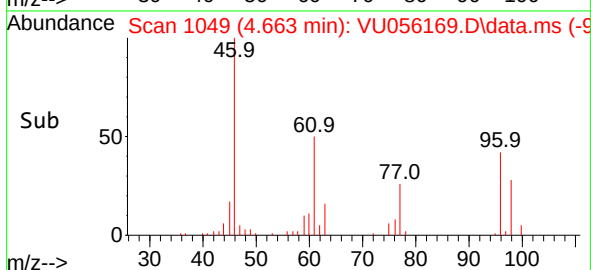
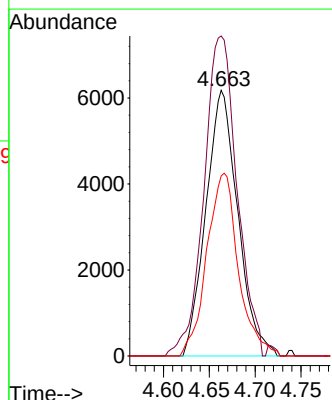
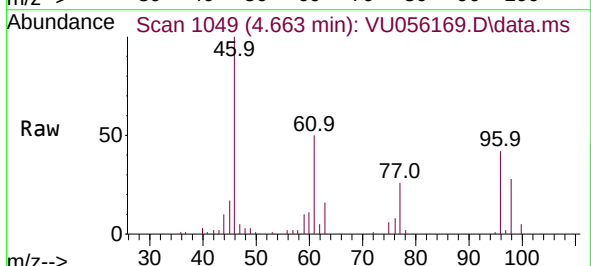
RT: 4.663 min Scan# 1049

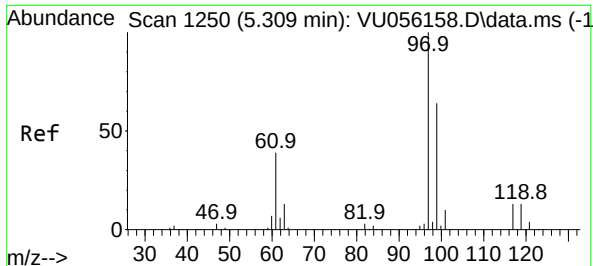
Delta R.T. 0.003 min

Lab File: VU056169.D

Acq: 10 Nov 2023 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 14986 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 120.5 | 87.8  | 163.2 |
| 98       | 67.8  | 43.5  | 80.7  |

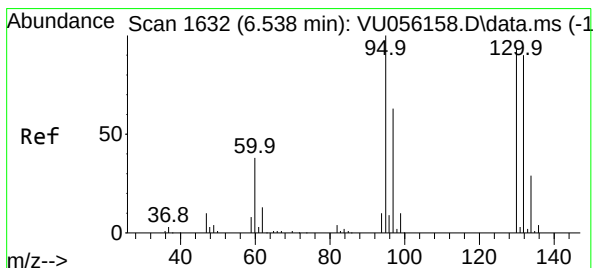
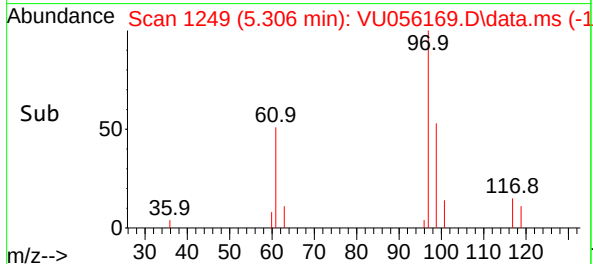
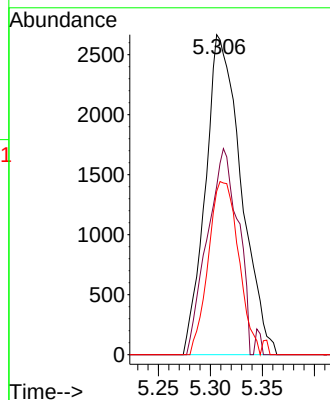
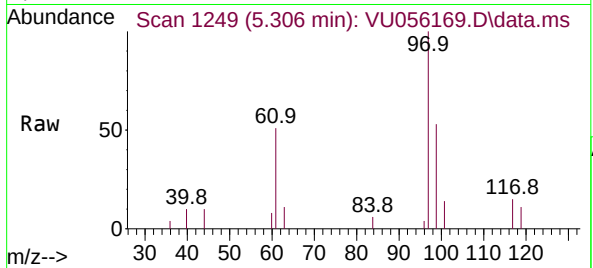




#29  
1,1,1-Trichloroethane  
Concen: 0.155 ug/L  
RT: 5.306 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

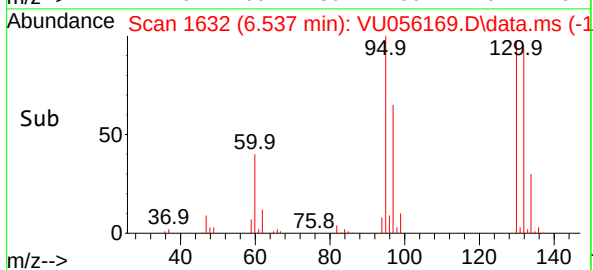
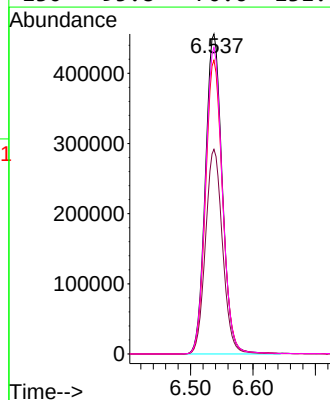
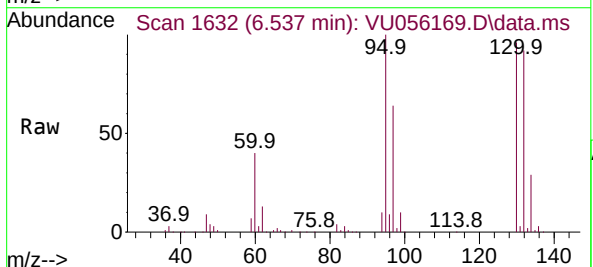
Instrument :  
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ClientSampleId :

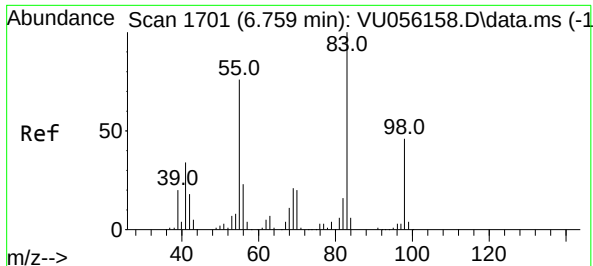
Tgt Ion: 97 Resp: 6358  
Ion Ratio Lower Upper  
97 100  
99 55.6 52.0 78.0  
61 45.8 33.4 50.0



#34  
Trichloroethene  
Concen: 30.744 ug/L  
RT: 6.537 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

Tgt Ion: 95 Resp: 860114  
Ion Ratio Lower Upper  
95 100  
97 64.0 46.8 87.0  
132 91.8 66.5 123.5  
130 95.8 70.6 131.0

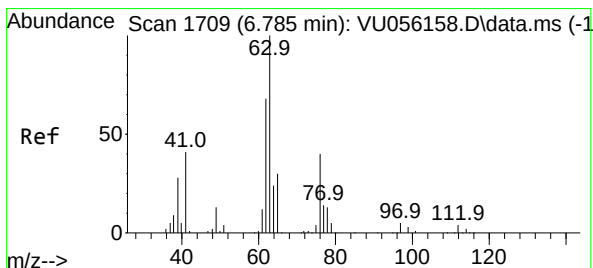
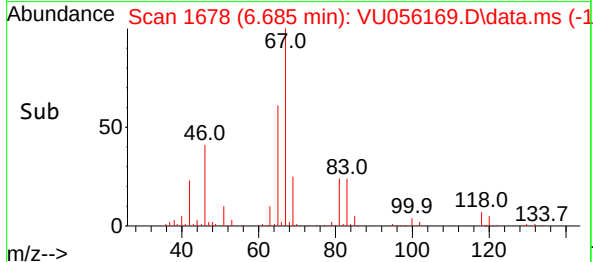
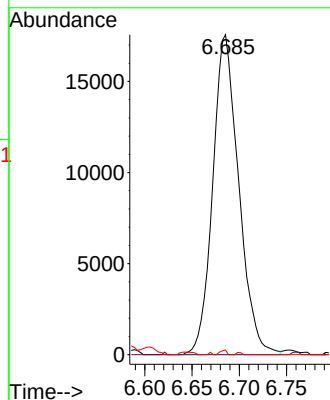
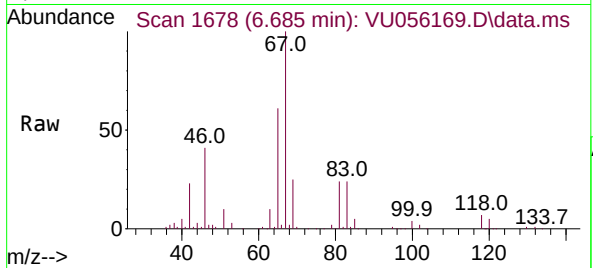




#35  
Methylcyclohexane  
Concen: 0.808 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

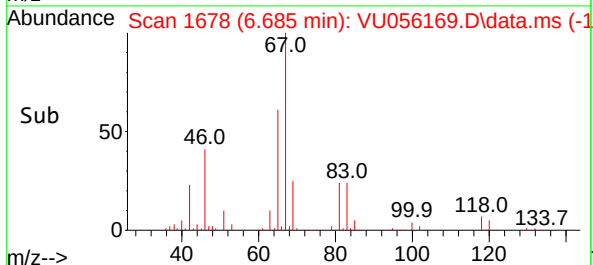
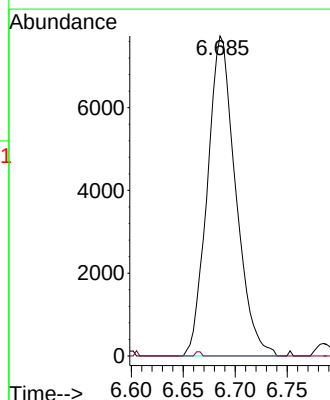
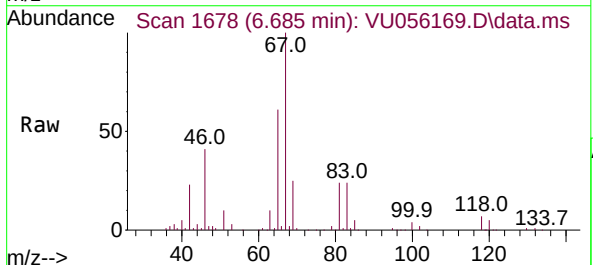
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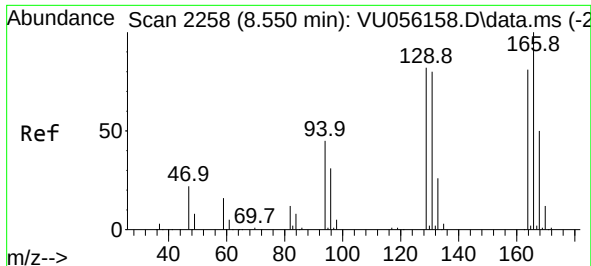
Tgt Ion: 83 Resp: 33589  
Ion Ratio Lower Upper  
83 100  
55 0.2 60.6 91.0#  
98 0.0 36.2 54.4#



#37  
1,2-Dichloropropane  
Concen: 0.549 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.100 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

Tgt Ion: 63 Resp: 14622  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.4 5.2#





#47

Tetrachloroethene

Concen: 4.078 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

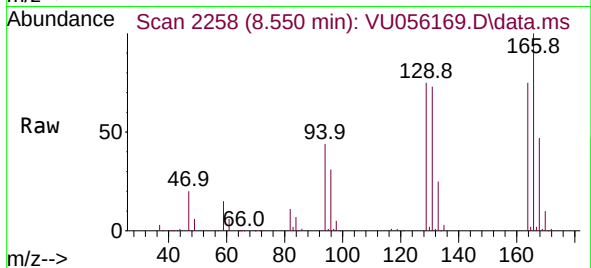
Lab File: VU056169.D

Acq: 10 Nov 2023 14:05

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 85629

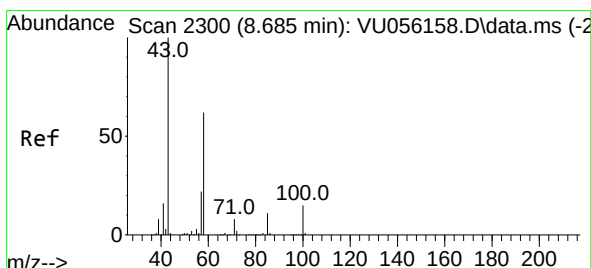
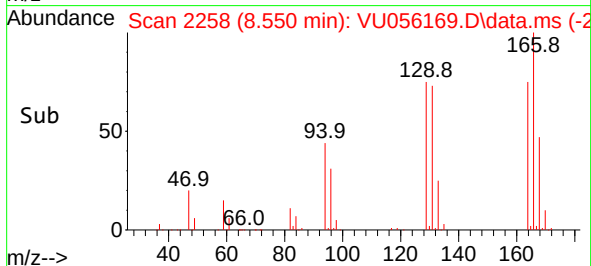
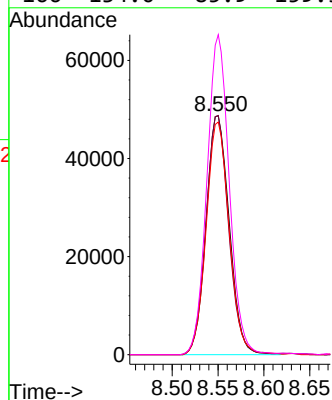
Ion Ratio Lower Upper

164 100

129 100.2 66.6 123.8

131 97.4 67.8 126.0

166 134.0 85.9 159.5



#48

2-Hexanone

Concen: 1.715 ug/L

RT: 8.688 min Scan# 2301

Delta R.T. 0.003 min

Lab File: VU056169.D

Acq: 10 Nov 2023 14:05

Tgt Ion: 43 Resp: 14545

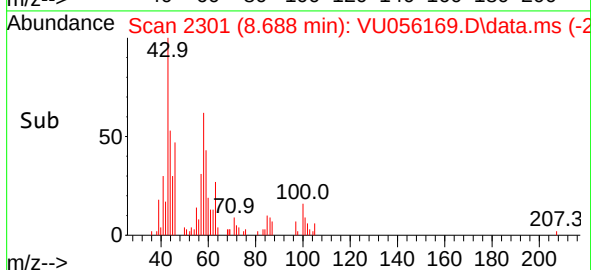
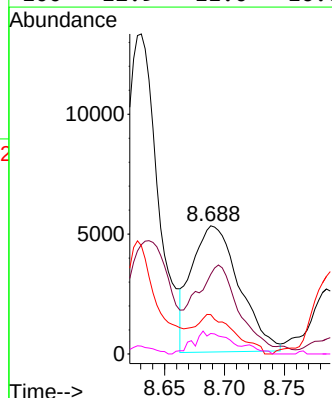
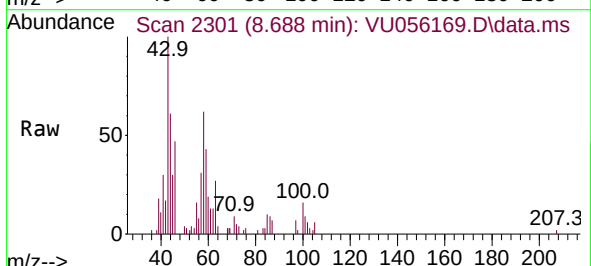
Ion Ratio Lower Upper

43 100

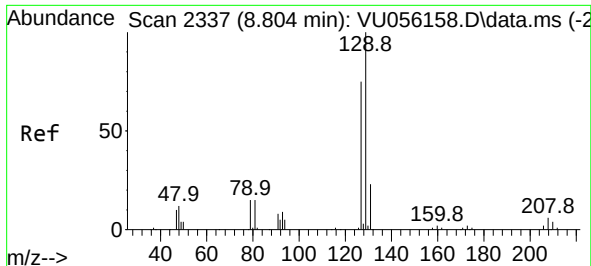
58 65.0 52.0 78.0

57 24.0 17.4 26.2

100 12.9 11.0 16.6



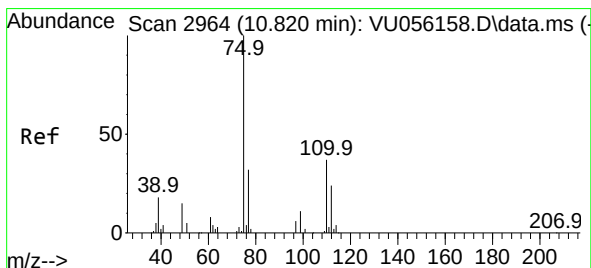
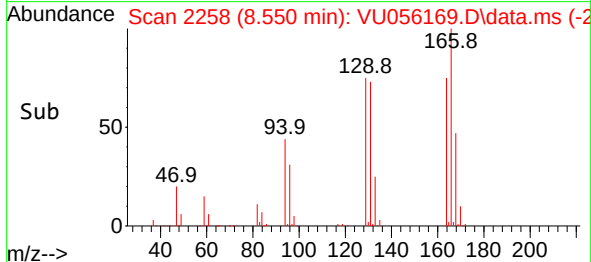
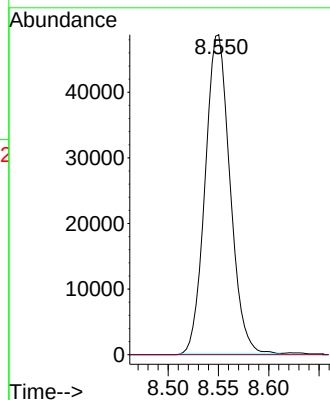
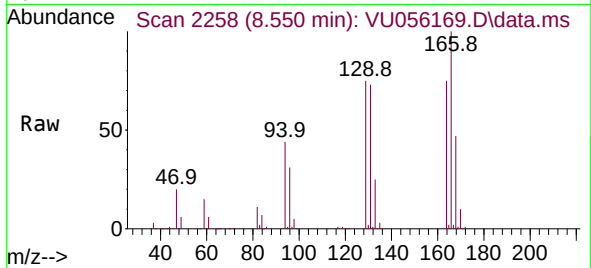




#49  
Dibromochloromethane  
Concen: 4.008 ug/L  
RT: 8.550 min Scan# 21  
Delta R.T. -0.254 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:129 Resp: 83736  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#



#61  
1,2,3-Trichloropropane  
Concen: 1.290 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.987 min  
Lab File: VU056169.D  
Acq: 10 Nov 2023 14:05

Tgt Ion: 75 Resp: 18314  
Ion Ratio Lower Upper  
75 100  
110 2.9 29.7 44.5#  
77 32.4 25.5 38.3

