

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032223\  
 Data File : VU053356.D  
 Acq On : 22 Mar 2023 16:47  
 Operator : JC/MD  
 Sample : 01961-02DL 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EYFF5DL

Quant Time: Mar 23 02:45:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 23 02:41:20 2023  
 Response via : Initial Calibration

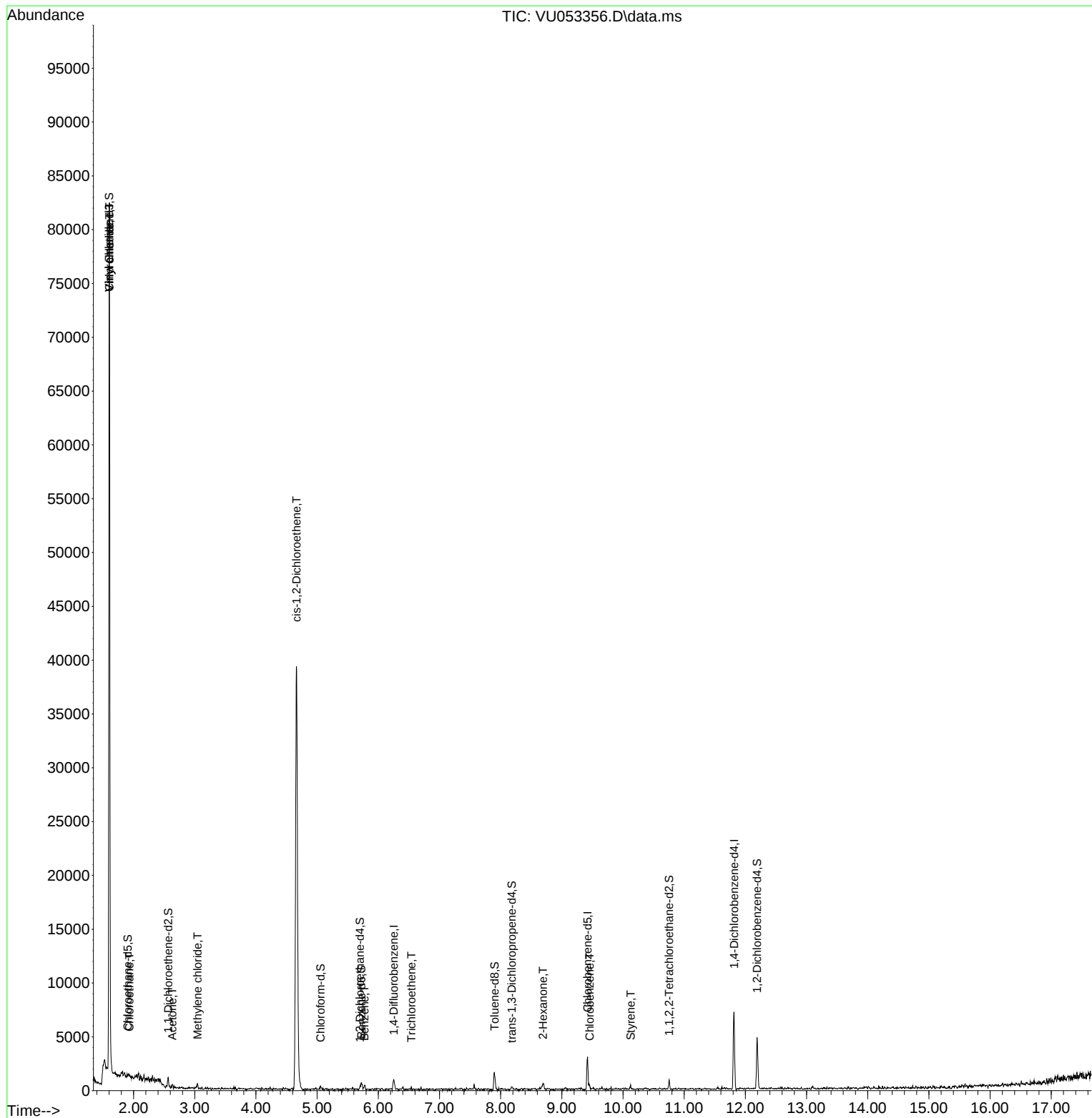
| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|-------|-----------|
| -----                         |         |       |          |          |       |           |
| Internal Standards            |         |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 1212     | 50.000   | ug/L  | # 0.01    |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 1885     | 50.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 2096     | 50.000   | ug/L  | 0.00      |
|                               |         |       |          |          |       |           |
| System Monitoring Compounds   |         |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 899      | 80.402   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 160.800%# |
| 7) Chloroethane-d5            | 1.906   | 69    | 174      | 19.238   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 38.480%#  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 725      | 37.430   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 74.860%   |
| 21) 2-Butanone-d5             | 0.000   | 46    | 0        | 0.000    | ug/L  |           |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 0.000%#   |
| 24) Chloroform-d              | 5.057   | 84    | 310      | 16.833   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 33.660%#  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 182      | 15.913   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 31.820%#  |
| 32) Benzene-d6                | 5.723   | 84    | 466      | 7.622    | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 15.240%#  |
| 36) 1,2-Dichloropropane-d6    | 0.000   | 67    | 0        | 0.000    | ug/L  |           |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 0.000%#   |
| 41) Toluene-d8                | 7.899   | 98    | 1372     | 24.102   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 48.200%#  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 203      | 20.851   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 41.700%#  |
| 47) 2-Hexanone-d5             | 0.000   | 63    | 0        | 0.000    | ug/L  |           |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 0.000%#   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755  | 84    | 664      | 25.976   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 51.960%#  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 1390     | 34.250   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 68.500%#  |
|                               |         |       |          |          |       |           |
| Target Compounds              |         |       |          |          |       | Qvalue    |
| 3) Chloromethane              | 1.604   | 50    | 357      | 30.625   | ug/L  | # 41      |
| 5) Vinyl chloride             | 1.604   | 62    | 53010    | 4157.028 | ug/L  | 97        |
| 8) Chloroethane               | 1.932   | 64    | 78       | 10.355   | ug/L  | # 42      |
| 13) Acetone                   | 2.633   | 43    | 269      | 45.544   | ug/L  | # 37      |
| 16) Methylene chloride        | 3.047   | 84    | 254      | 23.523   | ug/L  | # 60      |
| 20) cis-1,2-Dichloroethene    | 4.662   | 96    | 19048    | 1795.709 | ug/L  | 95        |
| 33) Benzene                   | 5.774   | 78    | 467      | 7.146    | ug/L  | 100       |
| 34) Trichloroethene           | 6.539   | 95    | 64       | 3.756    | ug/L  | # 37      |
| 48) 2-Hexanone                | 8.690   | 43    | 348      | 22.175   | ug/L  | # 52      |
| 51) Chlorobenzene             | 9.456   | 112   | 257      | 5.869    | ug/L  | # 80      |
| 55) Styrene                   | 10.124  | 104   | 259      | 5.284    | ug/L  | # 30      |
| -----                         |         |       |          |          |       |           |

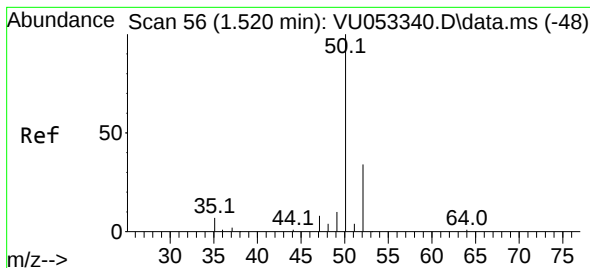
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 01961-02DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
EYFF5DL

Quant Time: Mar 23 02:45:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 23 02:41:20 2023  
Response via : Initial Calibration





#3

Chloromethane

Concen: 30.625 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.084 min

Lab File: VU053356.D

Acq: 22 Mar 2023 16:47

Instrument :

MSVOA\_U

ClientSampleId :

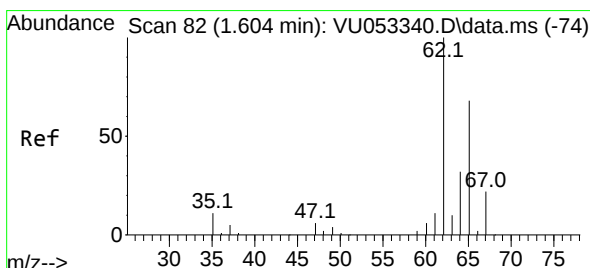
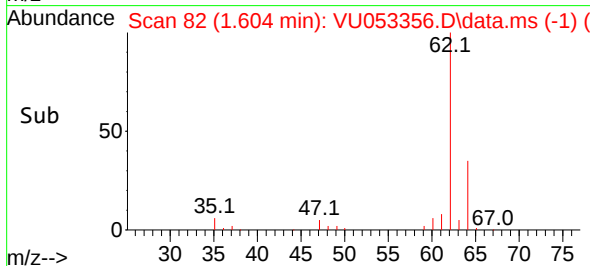
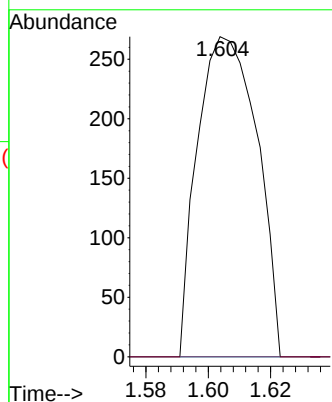
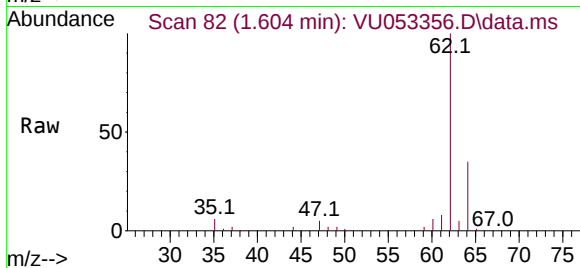
EYFF5DL

Tgt Ion: 50 Resp: 357

Ion Ratio Lower Upper

50 100

52 0.0 23.4 43.4#



#5

Vinyl chloride

Concen: 4157.028 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU053356.D

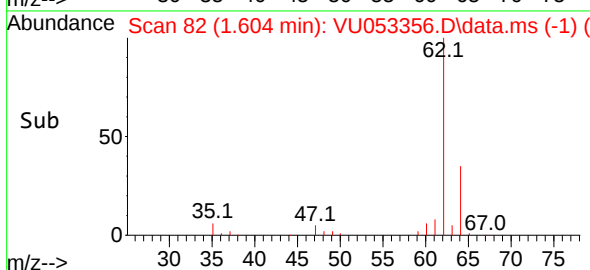
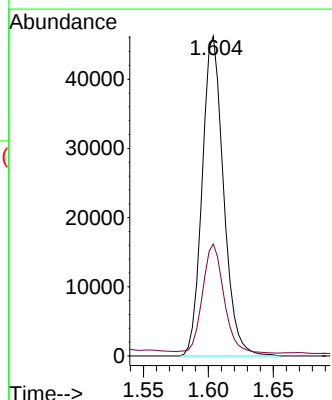
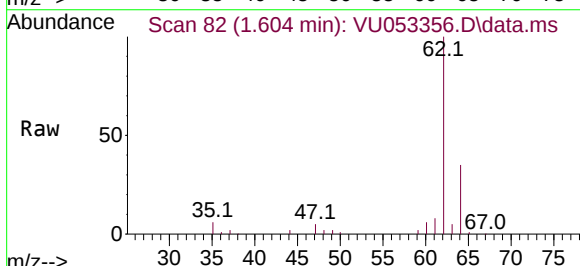
Acq: 22 Mar 2023 16:47

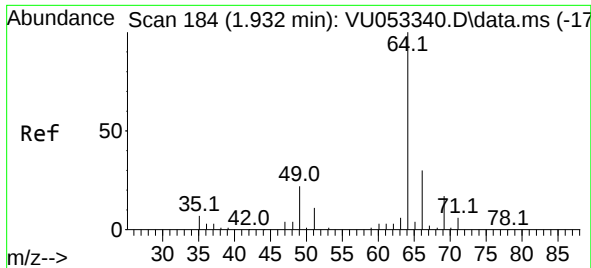
Tgt Ion: 62 Resp: 53010

Ion Ratio Lower Upper

62 100

64 35.0 23.2 43.0

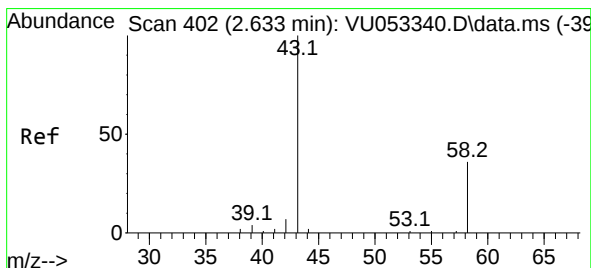
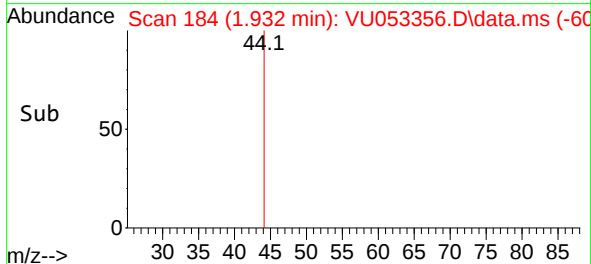
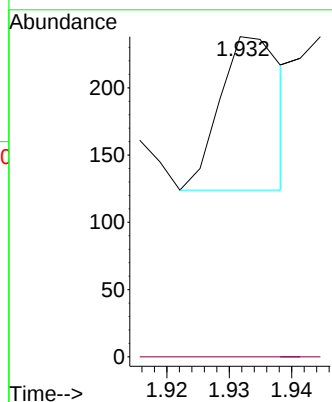
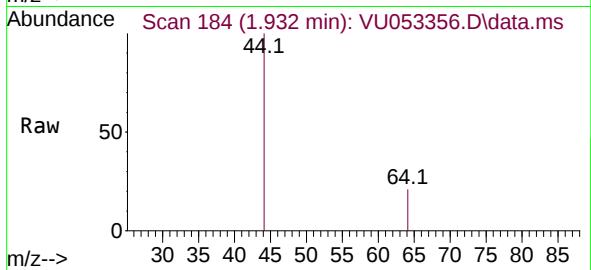




#8  
Chloroethane  
Concen: 10.355 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

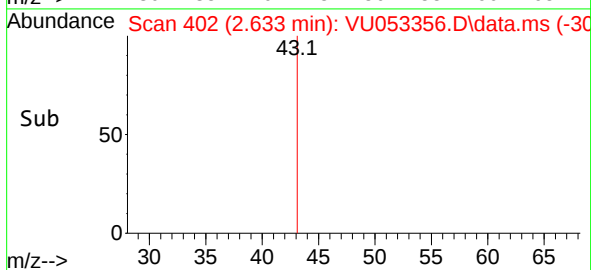
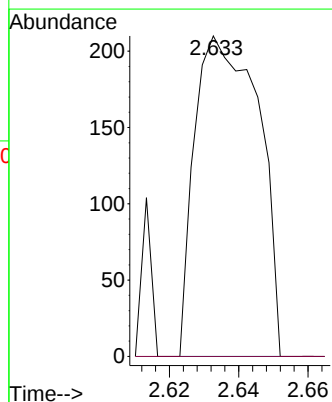
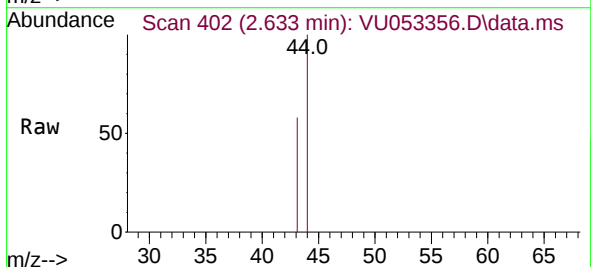
Instrument :  
MSVOA\_U  
ClientSampleId :  
EYFF5DL

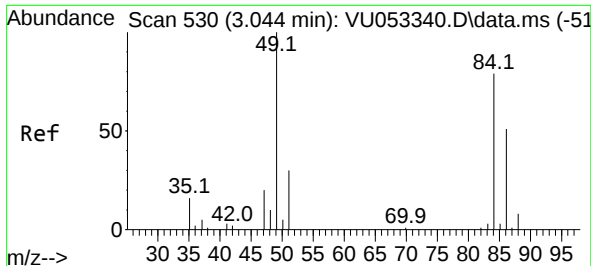
Tgt Ion: 64 Resp: 78  
Ion Ratio Lower Upper  
64 100  
66 0.0 22.6 42.0#



#13  
Acetone  
Concen: 45.544 ug/L  
RT: 2.633 min Scan# 402  
Delta R.T. -0.000 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

Tgt Ion: 43 Resp: 269  
Ion Ratio Lower Upper  
43 100  
58 0.0 0.0 75.0

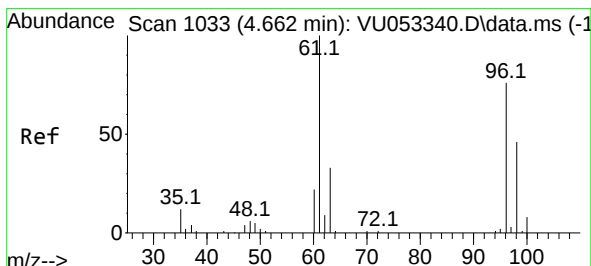
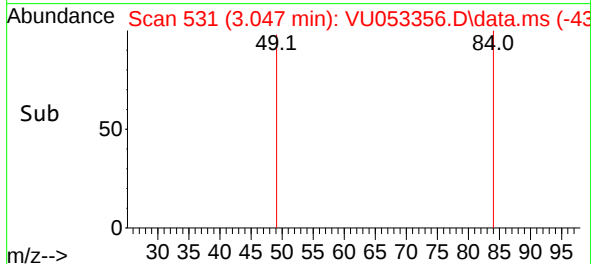
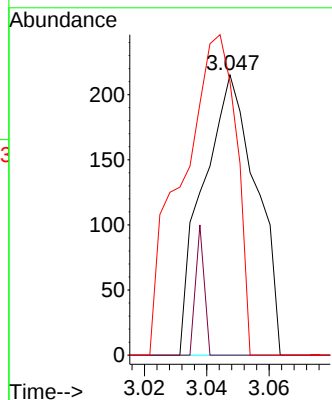
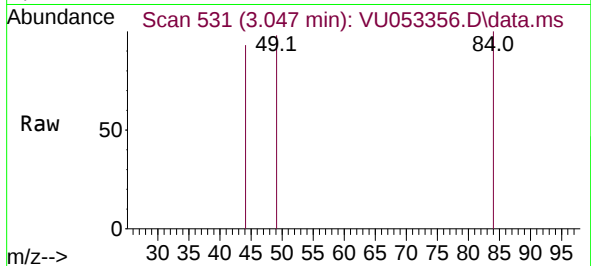




#16  
Methylene chloride  
Concen: 23.523 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

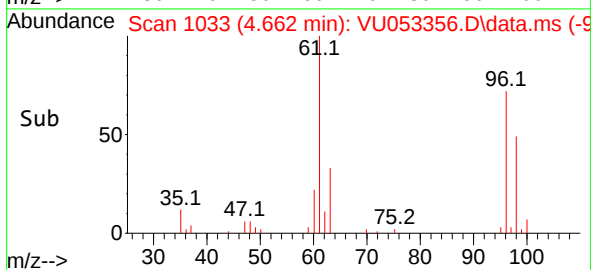
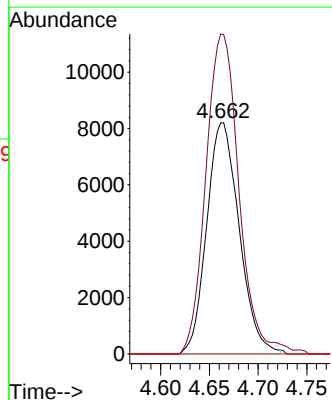
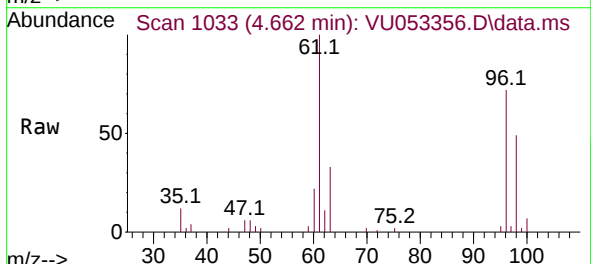
Instrument :  
MSVOA\_U  
ClientSampleId :  
EYFF5DL

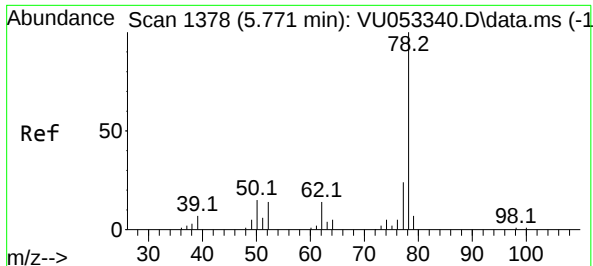
Tgt Ion: 84 Resp: 254  
Ion Ratio Lower Upper  
84 100  
86 0.0 44.4 82.4#  
49 97.7 81.6 151.6



#20  
cis-1,2-Dichloroethene  
Concen: 1795.709 ug/L  
RT: 4.662 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

Tgt Ion: 96 Resp: 19048  
Ion Ratio Lower Upper  
96 100  
61 138.4 92.5 171.7  
68 0.0 0.0 0.0

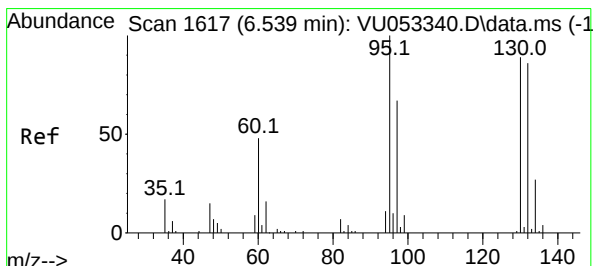
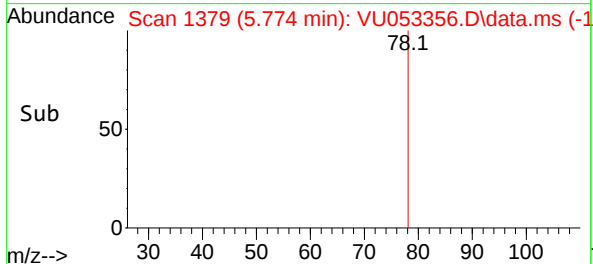
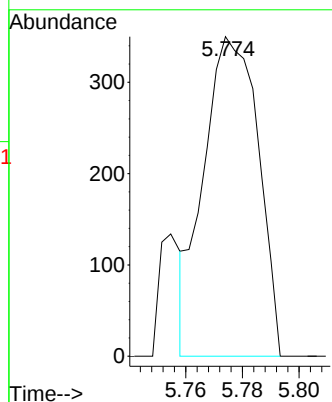
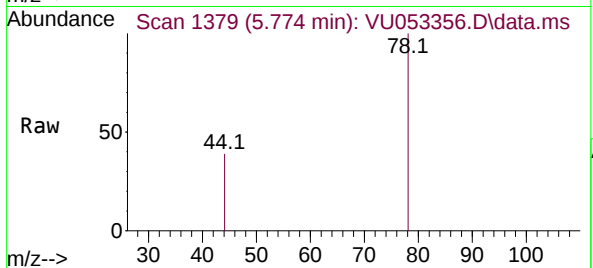




#33  
Benzene  
Concen: 7.146 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

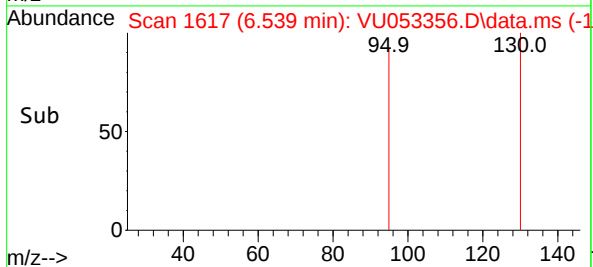
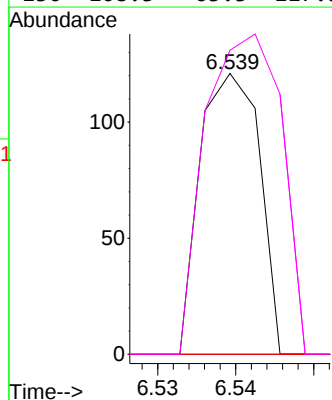
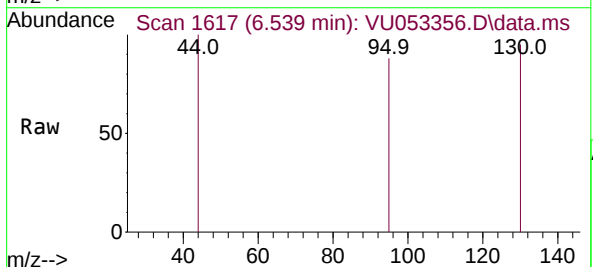
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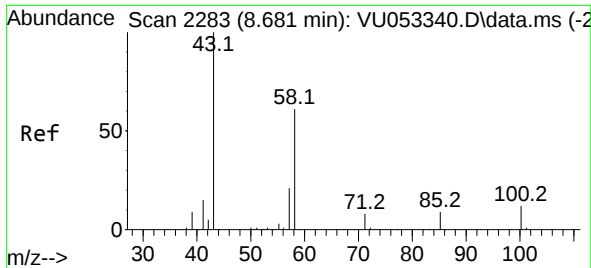
Tgt Ion: 78 Resp: 467



#34  
Trichloroethene  
Concen: 3.756 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

Tgt Ion: 95 Resp: 64  
Ion Ratio Lower Upper  
95 100  
97 0.0 43.8 81.3#  
132 0.0 61.5 114.3#  
130 108.3 63.3 117.5

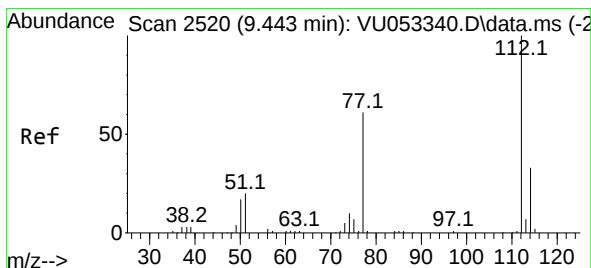
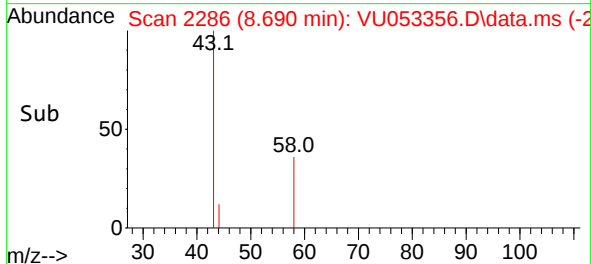
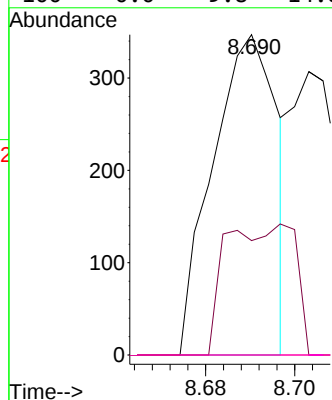
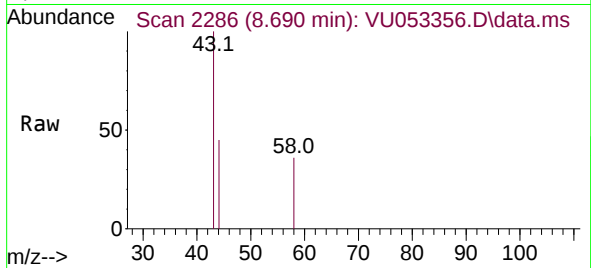




#48  
2-Hexanone  
Concen: 22.175 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

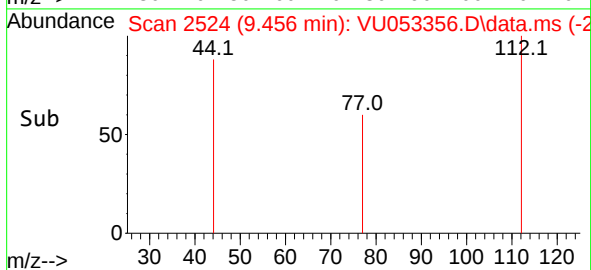
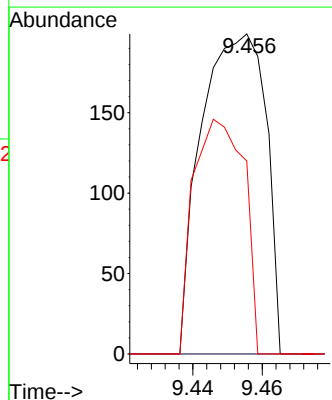
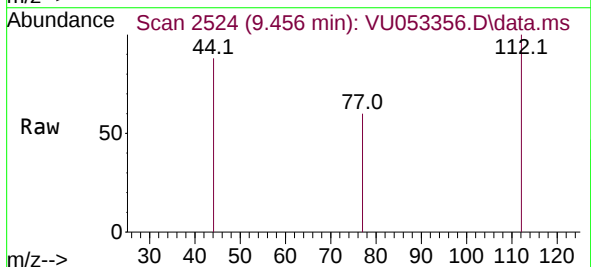
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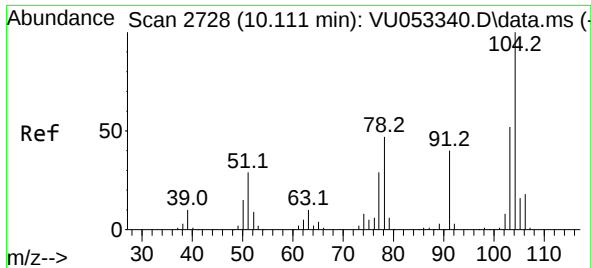
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|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 348         |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 21.6  | 49.4 74.0#  |
| 57          | 0.0   | 16.9 25.3#  |
| 100         | 0.0   | 9.8 14.8#   |



#51  
Chlorobenzene  
Concen: 5.869 ug/L  
RT: 9.456 min Scan# 2524  
Delta R.T. 0.013 min  
Lab File: VU053356.D  
Acq: 22 Mar 2023 16:47

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 112 | Resp: | 257         |
| Ion          | Ratio | Lower Upper |
| 112          | 100   |             |
| 114          | 0.0   | 21.8 40.6#  |
| 77           | 60.3  | 48.8 73.2   |





#55  
 Styrene  
 Concen: 5.284 ug/L  
 RT: 10.124 min Scan# 21  
 Delta R.T. 0.013 min  
 Lab File: VU053356.D  
 Acq: 22 Mar 2023 16:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EYFF5DL

Tgt Ion:104 Resp: 259  
 Ion Ratio Lower Upper  
 104 100  
 78 0.0 32.9 61.1#

