

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100521\  
 Data File : VU045151.D  
 Acq On : 05 Oct 2021 17:44  
 Operator : SY/MD  
 Sample : M4025-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AL3

Quant Time: Oct 06 01:46:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 06 01:40:56 2021  
 Response via : Initial Calibration

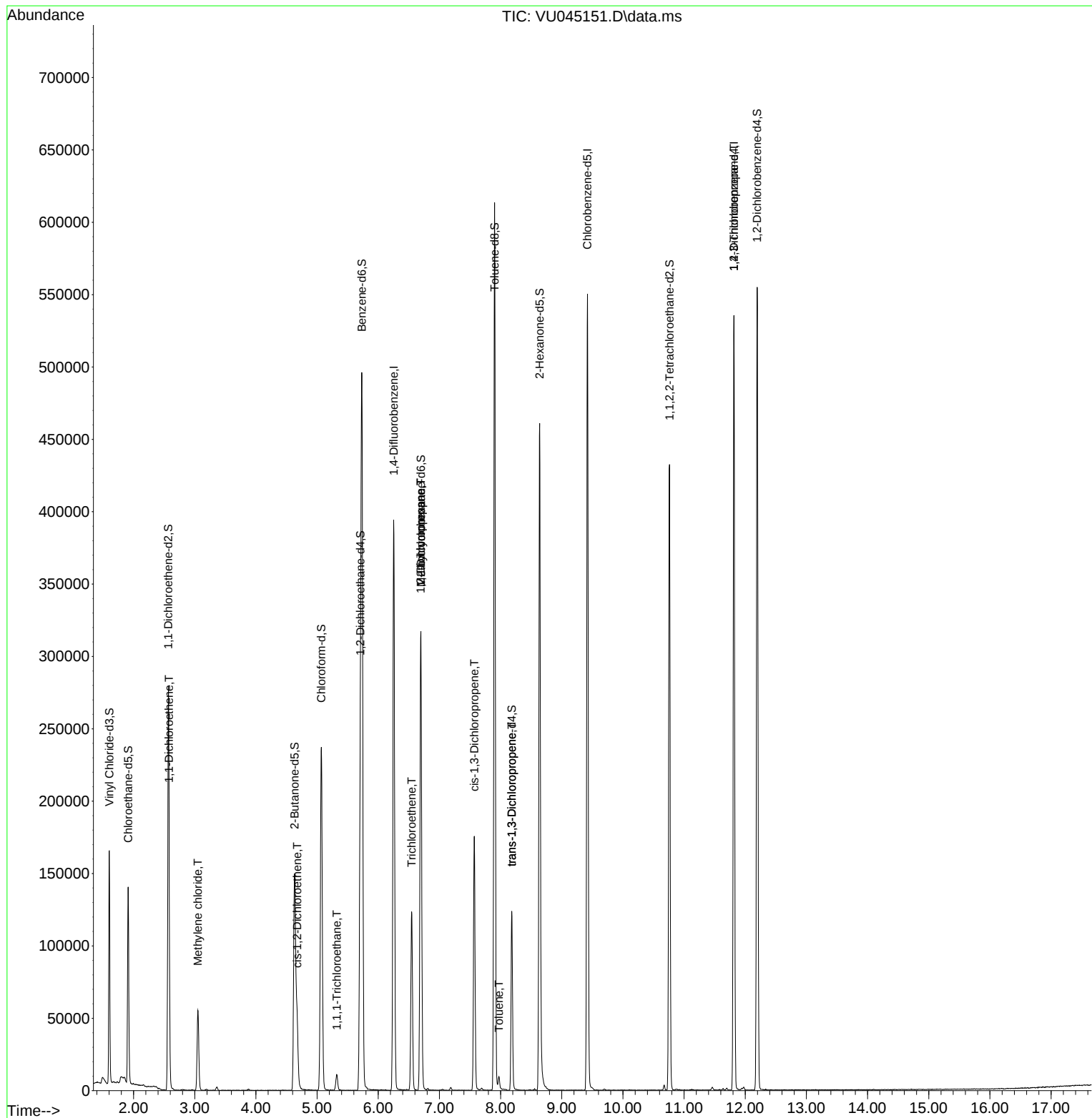
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 310629     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 291622     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 131513     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 115170     | 33.869   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 67.740%  |        |          |
| 7) Chloroethane-d5            | 1.912          | 69   | 104668     | 38.843   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.680%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 166055     | 29.079   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 58.160%# |        |          |
| 21) 2-Butanone-d5             | 4.633          | 46   | 231825     | 86.234   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 86.230%  |        |          |
| 24) Chloroform-d              | 5.070          | 84   | 215264     | 40.081   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.160%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 153843     | 42.289   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.580%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 445900     | 44.065   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.120%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.697          | 67   | 142109     | 43.069   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 86.140%  |        |          |
| 41) Toluene-d8                | 7.903          | 98   | 387594     | 44.384   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.760%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 65859      | 44.872   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.740%  |        |          |
| 47) 2-Hexanone-d5             | 8.639          | 63   | 163919     | 89.647   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 89.650%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 211389     | 41.142   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 82.280%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 137742     | 48.126   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.260%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.581          | 96   | 4968       | 2.065    | ug/L # | 1        |
| 16) Methylene chloride        | 3.051          | 84   | 26958      | 8.846    | ug/L   | 93       |
| 20) cis-1,2-Dichloroethene    | 4.674          | 96   | 19018      | 6.811    | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 5.324          | 97   | 7821       | 1.937    | ug/L   | 99       |
| 34) Trichloroethene           | 6.546          | 95   | 41504      | 15.976   | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.697          | 83   | 33863      | 7.786    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 17250      | 5.858    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.571          | 75   | 4313       | 1.024    | ug/L # | 56       |
| 42) Toluene                   | 7.973          | 91   | 6312       | 0.574    | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 3082       | 0.769    | ug/L # | 75       |
| 60) 1,2,3-Trichloropropane    | 11.816         | 75   | 16834      | 4.628    | ug/L # | 68       |
| -----                         |                |      |            |          |        |          |

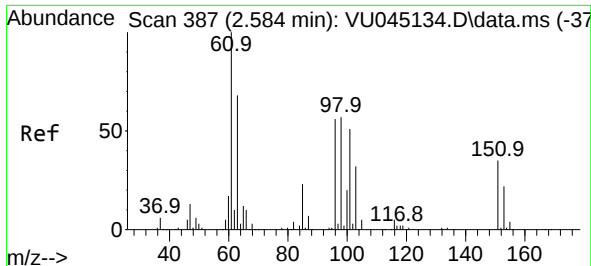
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100521\  
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Sample : M4025-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Wed Oct 06 01:40:56 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.065 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

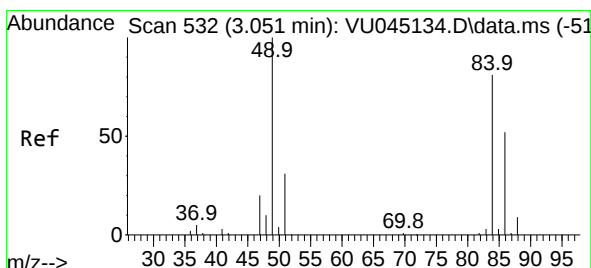
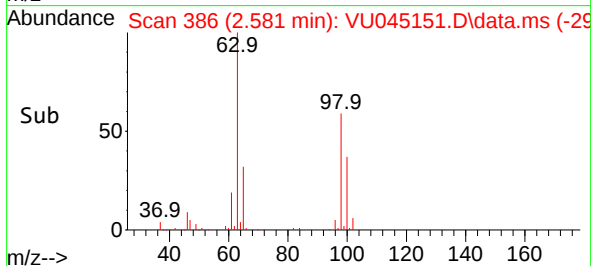
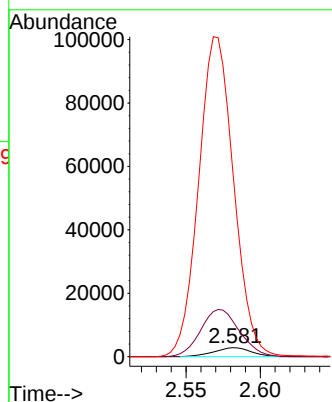
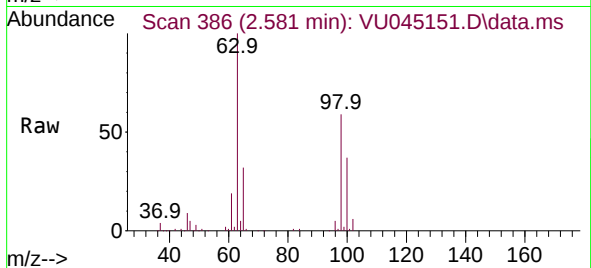
Lab File: VU045151.D

Acq: 05 Oct 2021 17:44

Tgt Ion: 96 Resp: 4968

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 403.9  | 131.3 | 243.9# |
| 63  | 2129.6 | 102.5 | 190.3# |

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ClientSampleId :  
C0AL3



#16

Methylene chloride

Concen: 8.846 ug/L

RT: 3.051 min Scan# 532

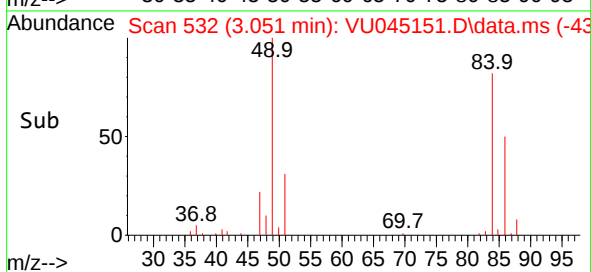
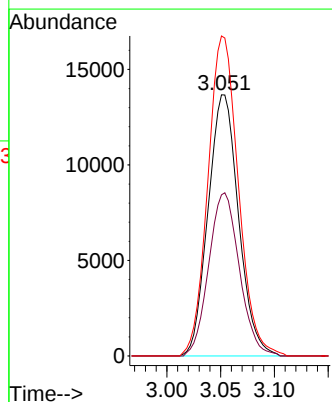
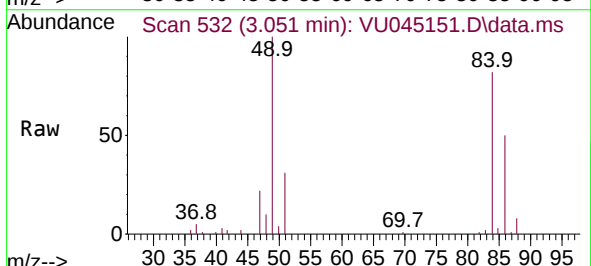
Delta R.T. 0.000 min

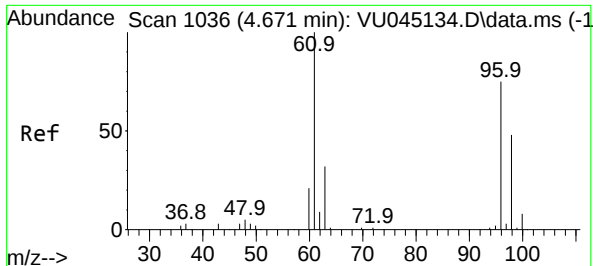
Lab File: VU045151.D

Acq: 05 Oct 2021 17:44

Tgt Ion: 84 Resp: 26958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 61.7  | 44.7  | 83.1  |
| 49  | 122.5 | 92.9  | 172.5 |

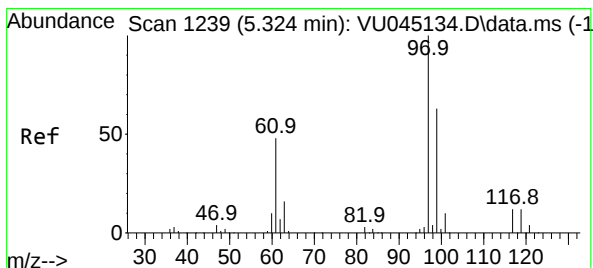
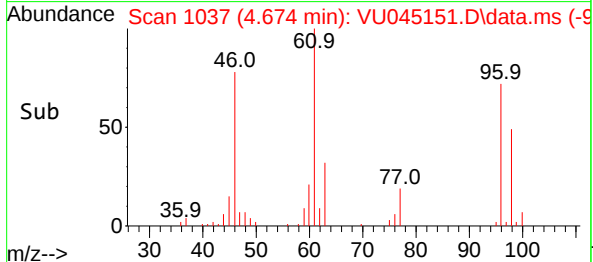
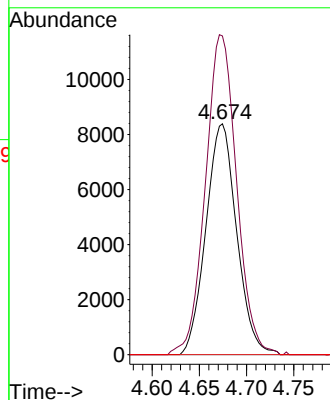
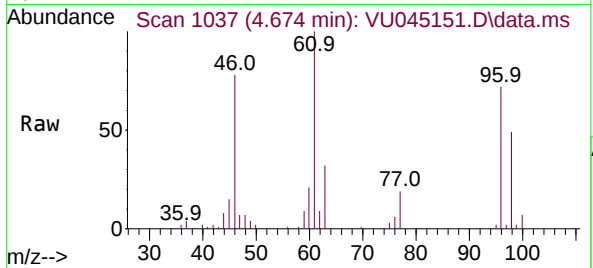




#20  
cis-1,2-Dichloroethene  
Concen: 6.811 ug/L  
RT: 4.674 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

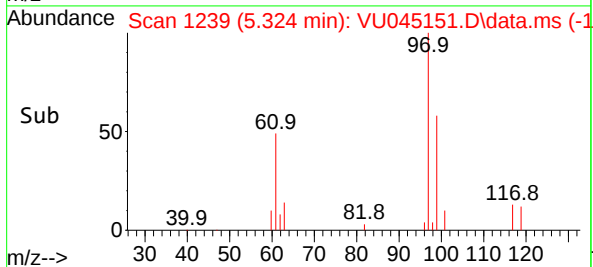
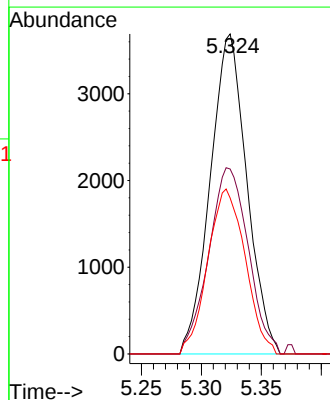
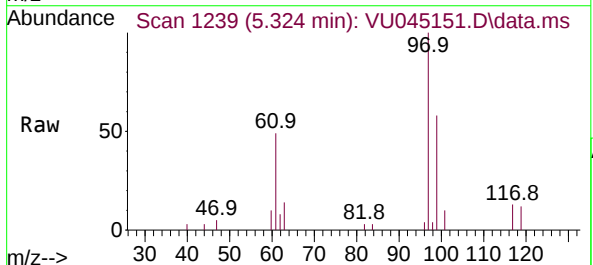
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AL3

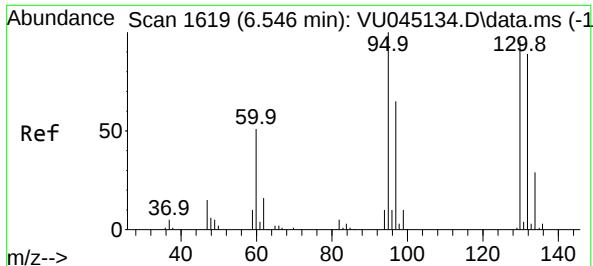
Tgt Ion: 96 Resp: 19018  
Ion Ratio Lower Upper  
96 100  
61 138.0 100.2 186.0  
68 0.0 0.0 0.0



#30  
1,1,1-Trichloroethane  
Concen: 1.937 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. 0.000 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

Tgt Ion: 97 Resp: 7821  
Ion Ratio Lower Upper  
97 100  
99 62.9 50.6 75.8  
61 52.9 41.3 61.9

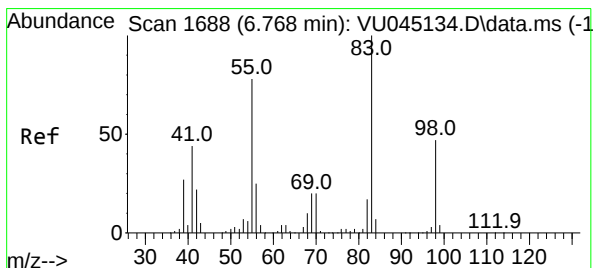
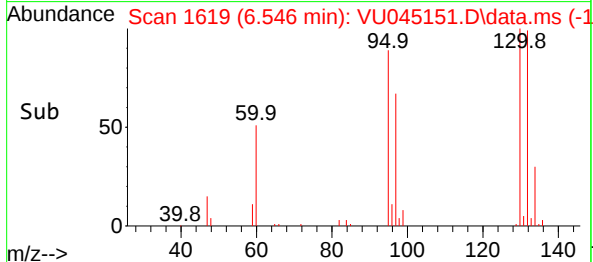
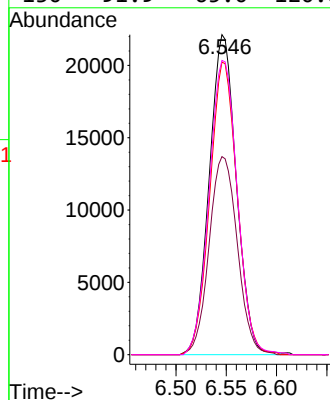
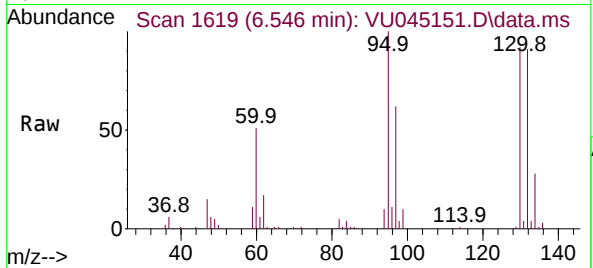




#34  
Trichloroethene  
Concen: 15.976 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

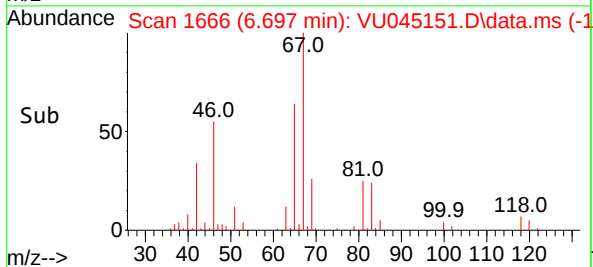
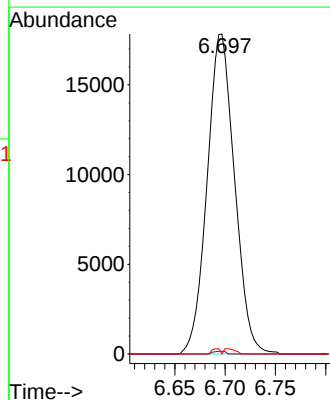
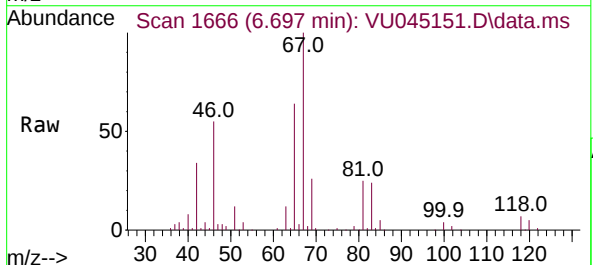
Instrument :  
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C0AL3

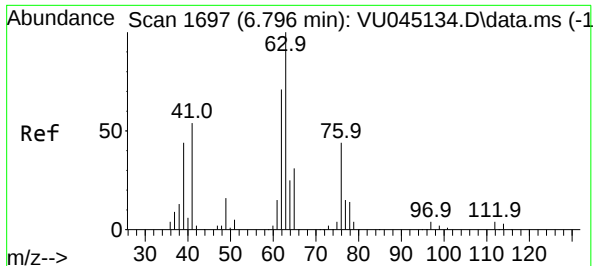
Tgt Ion: 95 Resp: 41504  
Ion Ratio Lower Upper  
95 100  
97 61.9 44.4 82.4  
132 91.5 62.9 116.9  
130 91.9 65.0 120.8



#35  
Methylcyclohexane  
Concen: 7.786 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.071 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

Tgt Ion: 83 Resp: 33863  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.8 98.6#  
98 0.6 37.1 55.7#



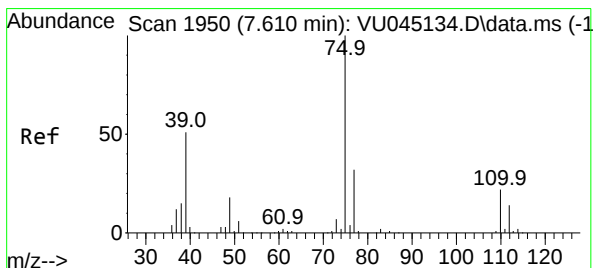
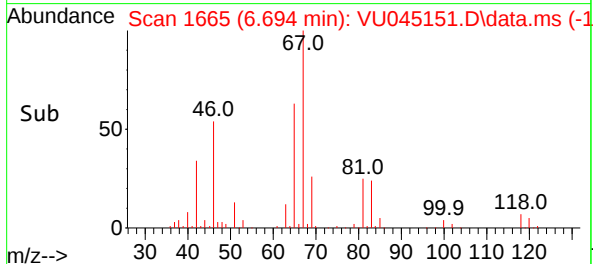
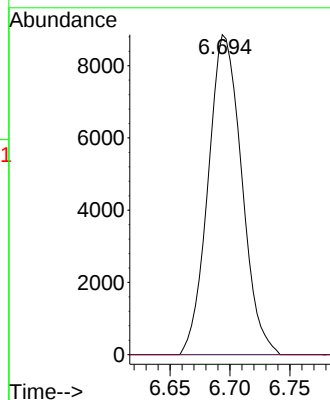
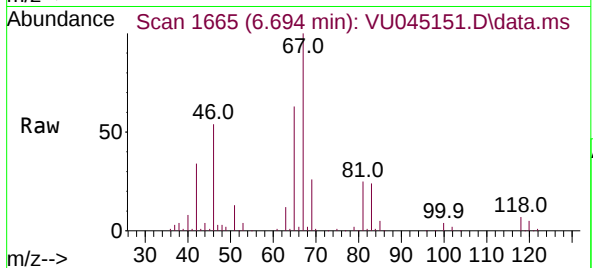


#37

1,2-Dichloropropane  
Concen: 5.858 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AL3

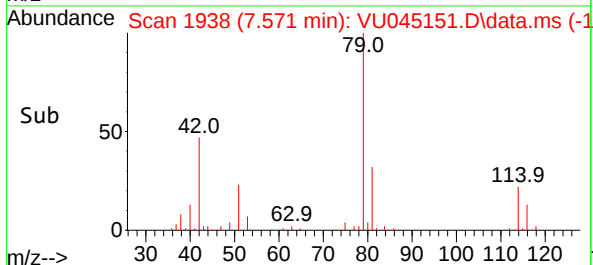
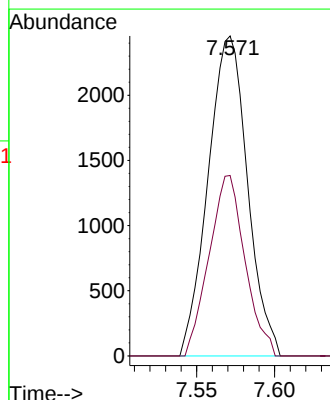
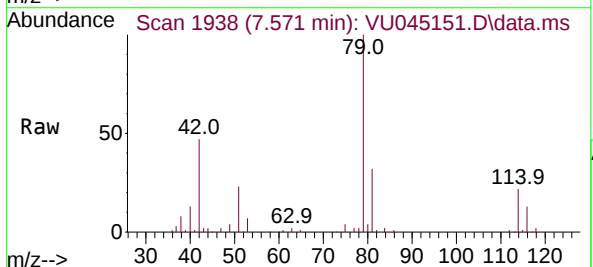
Tgt Ion: 63 Resp: 17250  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

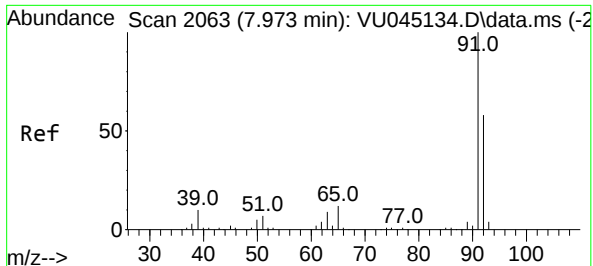


#39

cis-1,3-Dichloropropene  
Concen: 1.024 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.039 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

Tgt Ion: 75 Resp: 4313  
Ion Ratio Lower Upper  
75 100  
77 56.4 22.4 41.6#

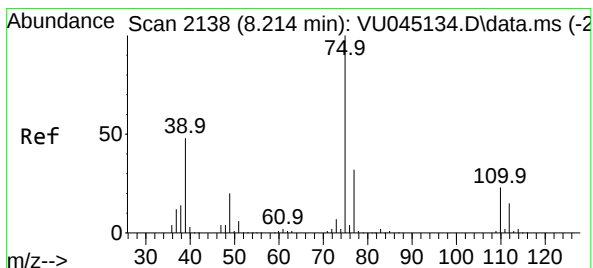
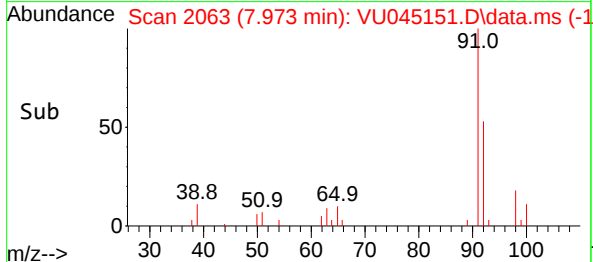
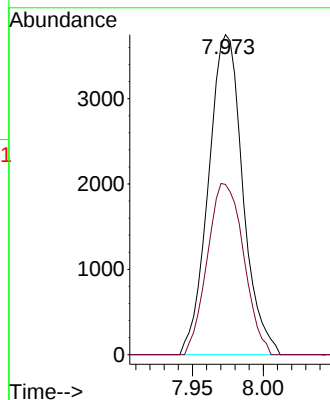
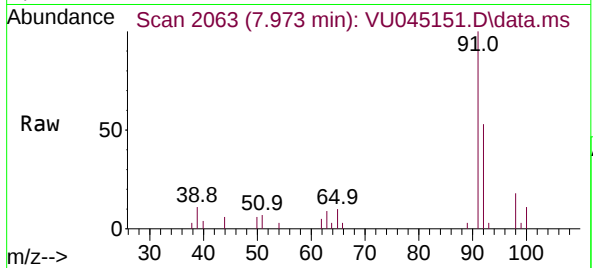




#42  
Toluene  
Concen: 0.574 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

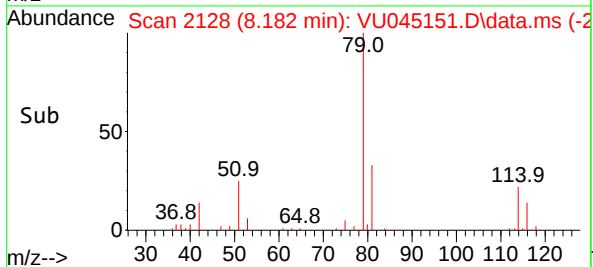
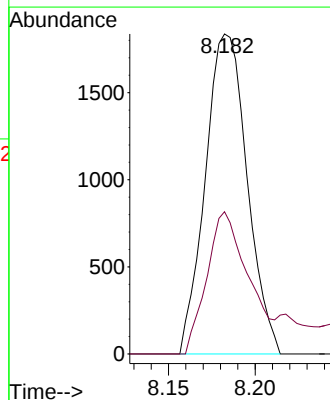
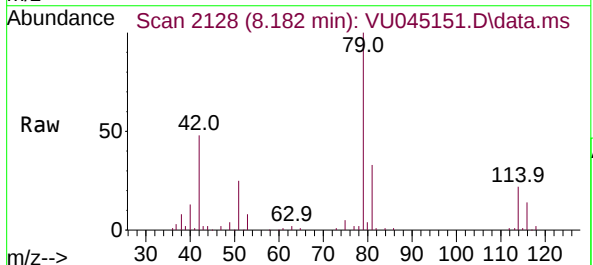
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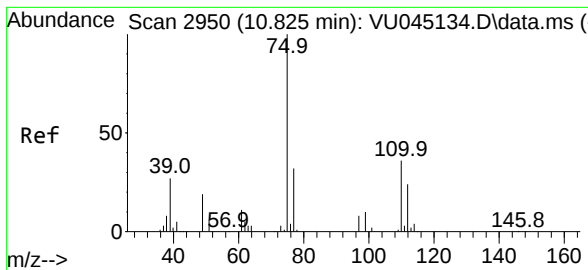
Tgt Ion: 91 Resp: 6312  
Ion Ratio Lower Upper  
91 100  
92 53.2 40.5 75.1



#44  
trans-1,3-Dichloropropene  
Concen: 0.769 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU045151.D  
Acq: 05 Oct 2021 17:44

Tgt Ion: 75 Resp: 3082  
Ion Ratio Lower Upper  
75 100  
77 44.5 21.7 40.3#





#60  
 1,2,3-Trichloropropane  
 Concen: 4.628 ug/L  
 RT: 11.816 min Scan# 3258  
 Delta R.T. 0.990 min  
 Lab File: VU045151.D  
 Acq: 05 Oct 2021 17:44

Instrument :  
 MSVOA\_U  
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Tgt Ion: 75 Resp: 16834  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 25.5 38.3  
 110 2.2 29.0 43.4#

