

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100621\  
 Data File : VU0451192.D  
 Acq On : 06 Oct 2021 17:48  
 Operator : SY/MD  
 Sample : M3973-03ME  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 07 03:03:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 03:00:32 2021  
 Response via : Initial Calibration

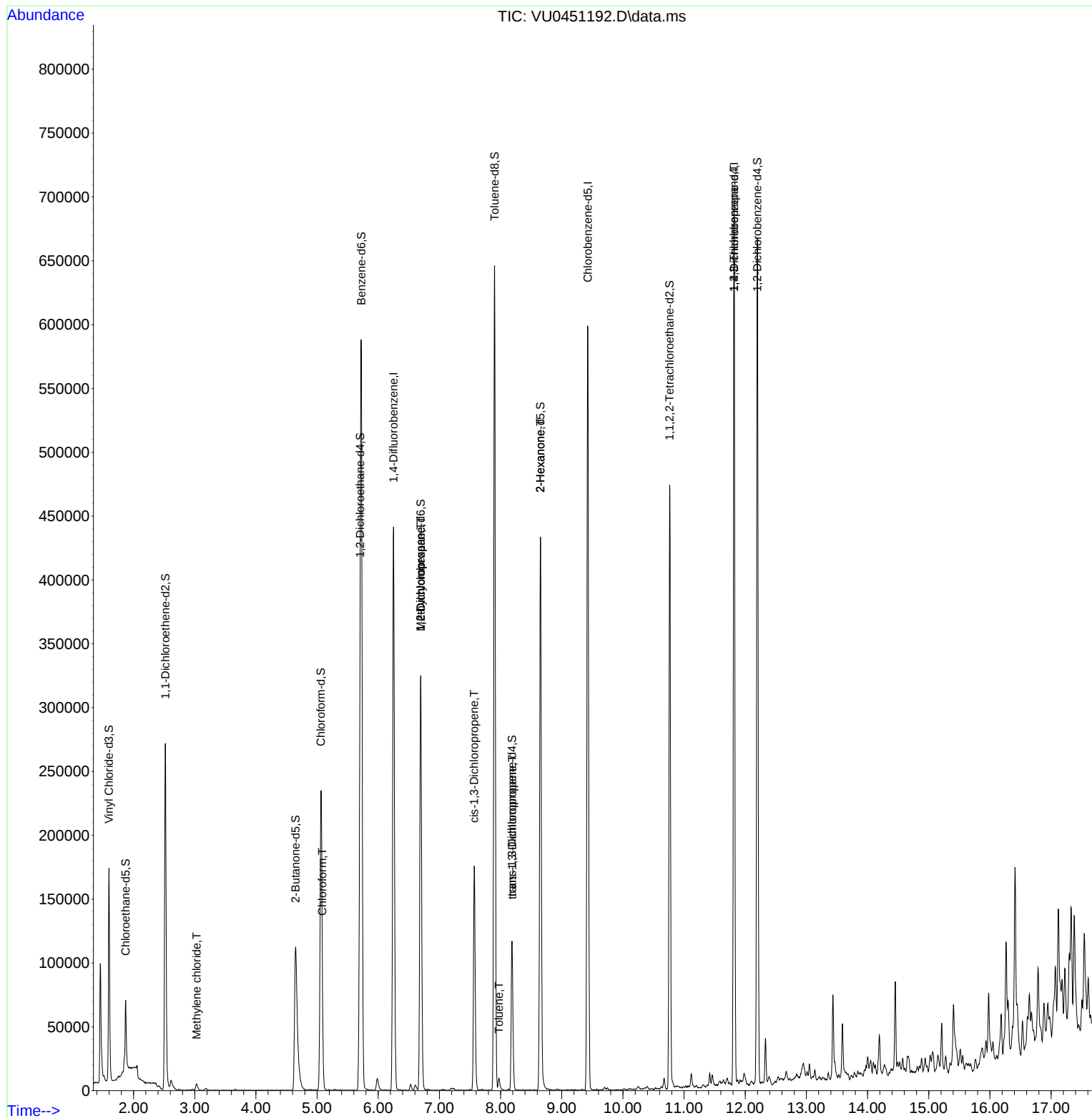
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 365255     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427          | 117  | 351014     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819         | 152  | 169188     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 129680     | 32.432   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 64.860%  |        |          |
| 7) Chloroethane-d5            | 1.871          | 69   | 38736      | 12.225   | ug/L   | -0.04    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 24.460%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.520          | 63   | 181551     | 27.037   | ug/L   | -0.05    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 54.080%# |        |          |
| 21) 2-Butanone-d5             | 4.649          | 46   | 226602     | 71.685   | ug/L   | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 71.680%  |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 225535     | 35.713   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 71.420%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 162539     | 37.997   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 76.000%  |        |          |
| 32) Benzene-d6                | 5.722          | 84   | 492148     | 40.406   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.820%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 158989     | 40.032   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 80.060%  |        |          |
| 41) Toluene-d8                | 7.902          | 98   | 436582     | 41.535   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.060%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.185          | 79   | 72062      | 40.790   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.580%  |        |          |
| 47) 2-Hexanone-d5             | 8.652          | 63   | 174118     | 79.112   | ug/L   | 0.02     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 79.110%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764         | 84   | 239175     | 38.674   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 77.340%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198         | 152  | 159160     | 43.227   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.460%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 16) Methylene chloride        | 3.031          | 84   | 3043       | 0.849    | ug/L   | 91       |
| 25) Chloroform                | 5.086          | 83   | 3426       | 0.556    | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.694          | 83   | 37241      | 7.113    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 17716      | 4.998    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 4518       | 0.891    | ug/L # | 70       |
| 42) Toluene                   | 7.973          | 91   | 7077       | 0.535    | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.189          | 75   | 3204       | 0.664    | ug/L   | 85       |
| 48) 2-Hexanone                | 8.652          | 43   | 20289      | 3.864    | ug/L # | 68       |
| 60) 1,2,3-Trichloropropane    | 11.815         | 75   | 22694      | 4.850    | ug/L # | 69       |
| -----                         |                |      |            |          |        |          |

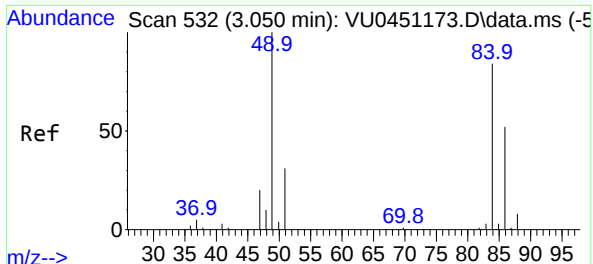
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Oct 07 03:03:29 2021  
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Quant Title : VOC Analysis  
QLast Update : Thu Oct 07 03:00:32 2021  
Response via : Initial Calibration

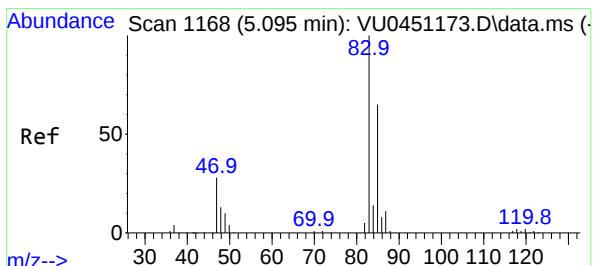
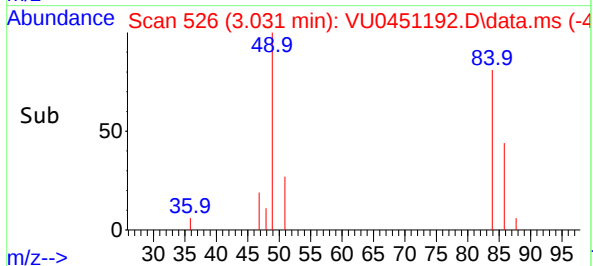
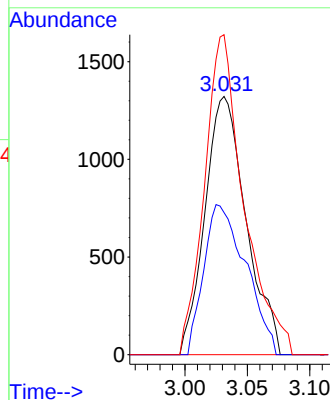
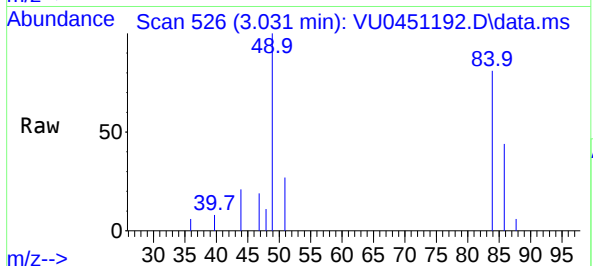




#16  
Methylene chloride  
Concen: 0.849 ug/L  
RT: 3.031 min Scan# 526  
Delta R.T. -0.019 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

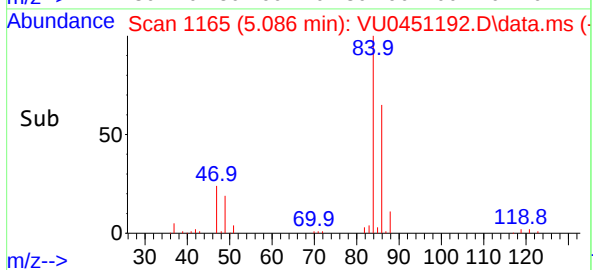
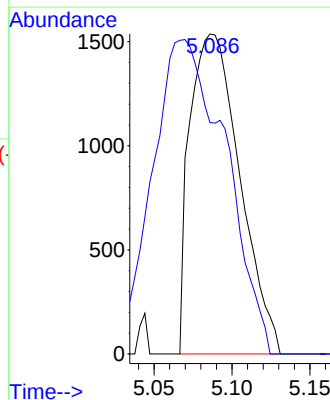
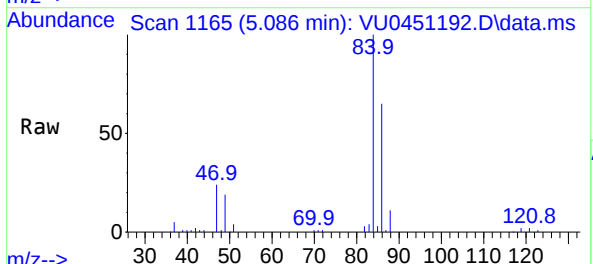
Instrument :  
MSVOA\_U  
ClientSampleId :

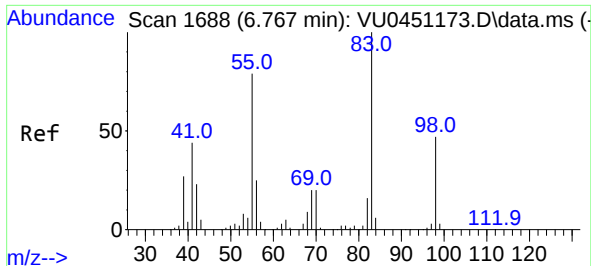
Tgt Ion: 84 Resp: 3043  
Ion Ratio Lower Upper  
84 100  
86 55.0 44.7 83.1  
49 123.9 92.9 172.5



#25  
Chloroform  
Concen: 0.556 ug/L  
RT: 5.086 min Scan# 1165  
Delta R.T. -0.010 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

Tgt Ion: 83 Resp: 3426  
Ion Ratio Lower Upper  
83 100  
85 72.3 45.6 84.6

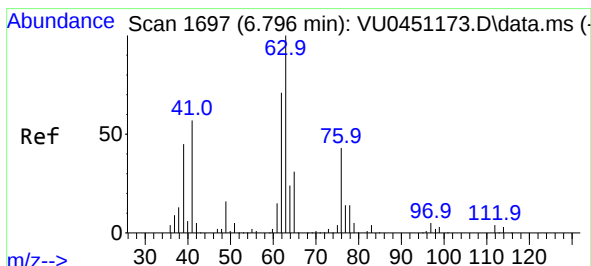
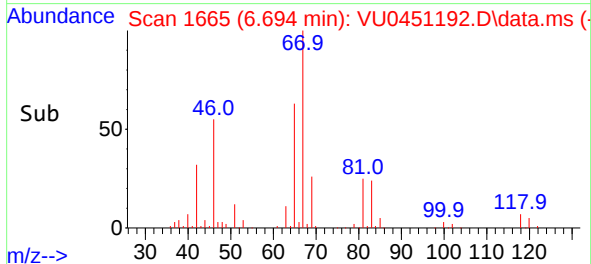
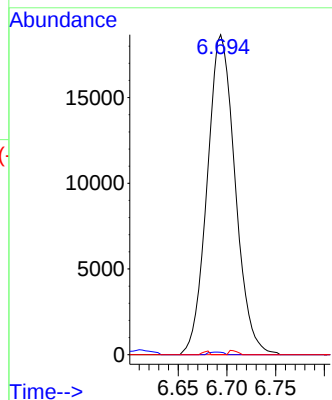
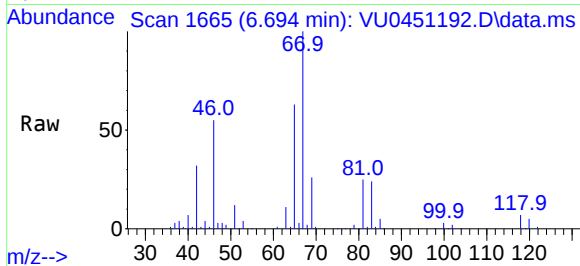




#35  
Methylcyclohexane  
Concen: 7.113 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

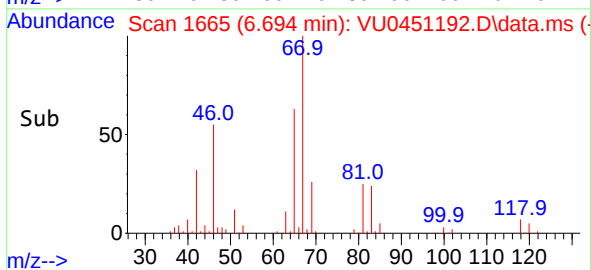
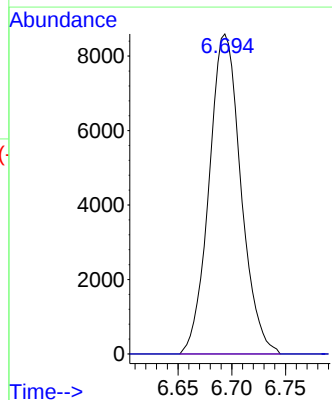
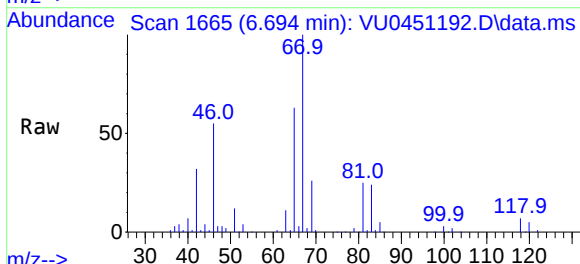
Instrument :  
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ClientSampleId :

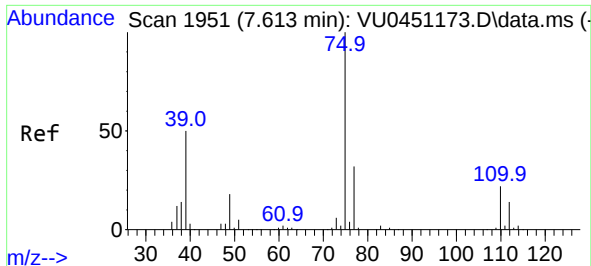
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 37241 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.4   | 65.8  | 98.6# |
| 98       | 0.3   | 37.1  | 55.7# |



#37  
1,2-Dichloropropane  
Concen: 4.998 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 17716 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.2   | 4.8#  |

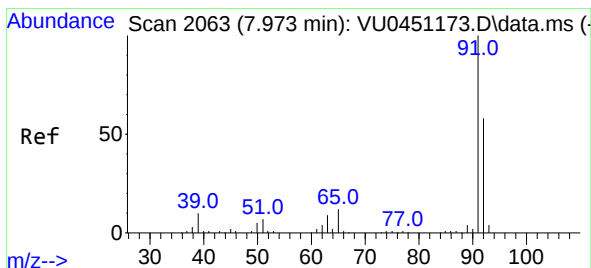
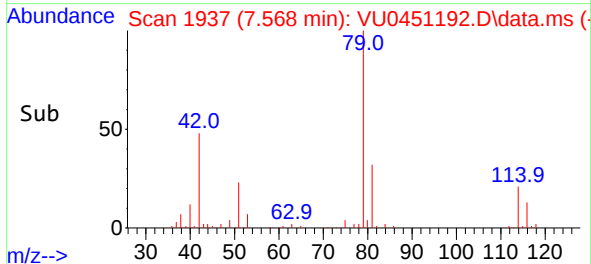
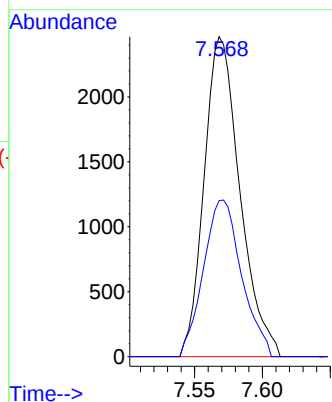
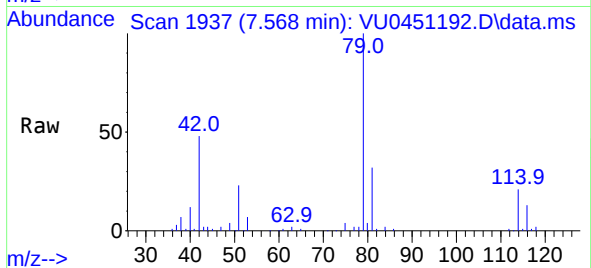




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.891 ug/L  
 RT: 7.568 min Scan# 1937  
 Delta R.T. -0.045 min  
 Lab File: VU0451192.D  
 Acq: 06 Oct 2021 17:48

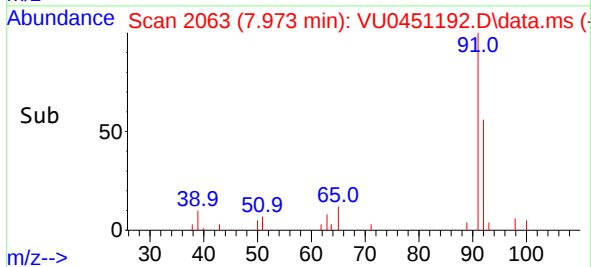
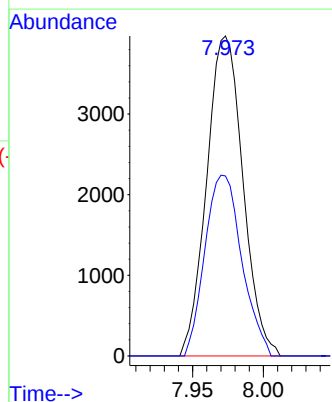
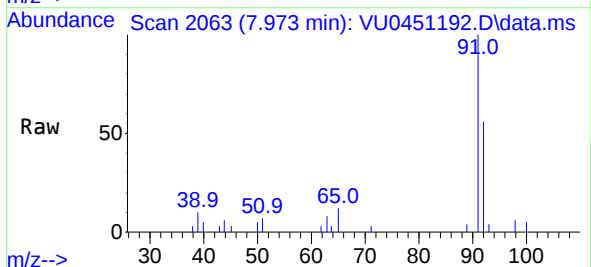
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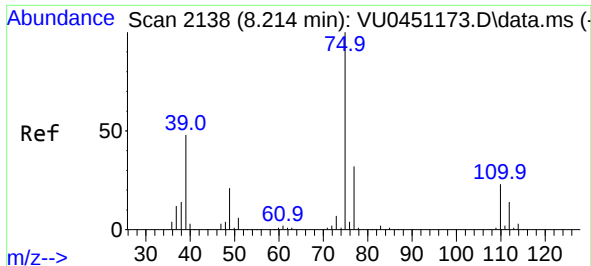
Tgt Ion: 75 Resp: 4518  
 Ion Ratio Lower Upper  
 75 100  
 77 48.7 22.4 41.6#



#42  
 Toluene  
 Concen: 0.535 ug/L  
 RT: 7.973 min Scan# 2063  
 Delta R.T. 0.000 min  
 Lab File: VU0451192.D  
 Acq: 06 Oct 2021 17:48

Tgt Ion: 91 Resp: 7077  
 Ion Ratio Lower Upper  
 91 100  
 92 56.3 40.5 75.1

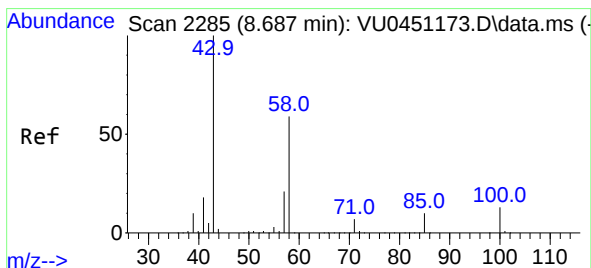
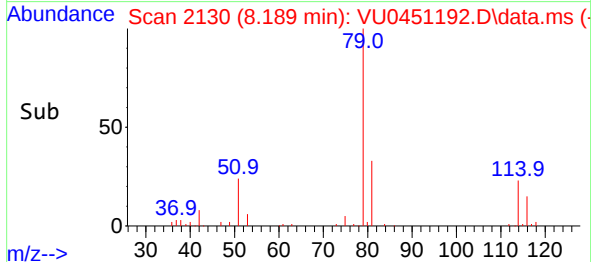
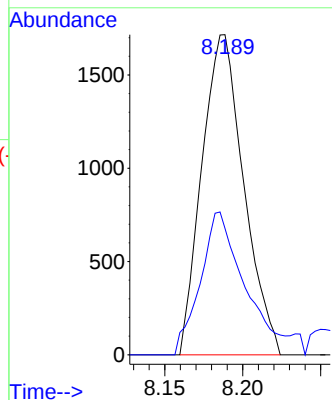
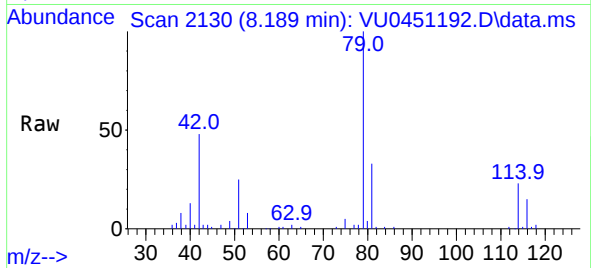




#44  
trans-1,3-Dichloropropene  
Concen: 0.664 ug/L  
RT: 8.189 min Scan# 2130  
Delta R.T. -0.026 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

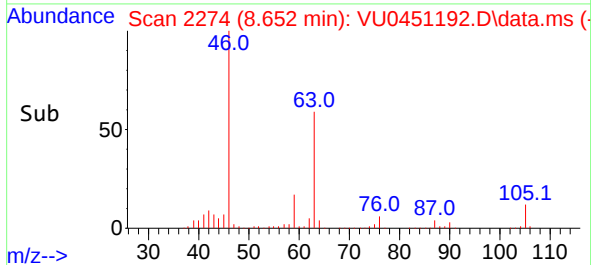
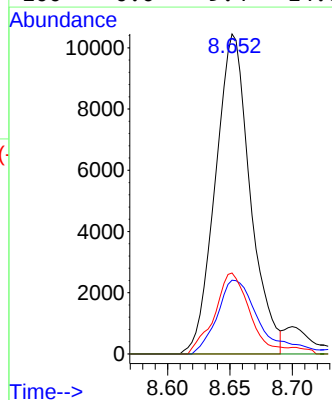
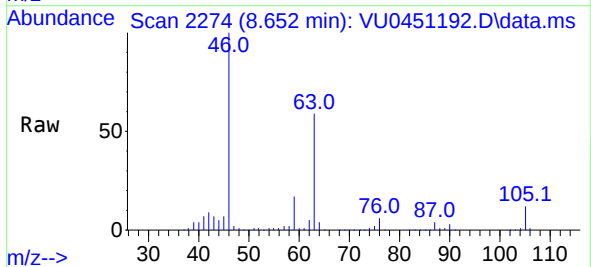
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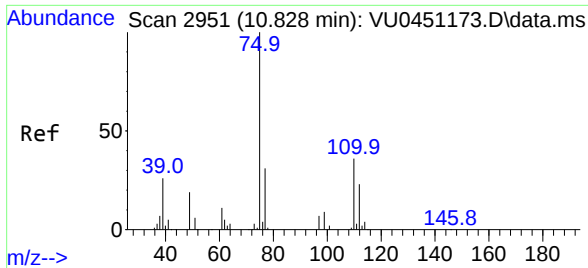
Tgt Ion: 75 Resp: 3204  
Ion Ratio Lower Upper  
75 100  
77 39.5 21.7 40.3



#48  
2-Hexanone  
Concen: 3.864 ug/L  
RT: 8.652 min Scan# 2274  
Delta R.T. -0.035 min  
Lab File: VU0451192.D  
Acq: 06 Oct 2021 17:48

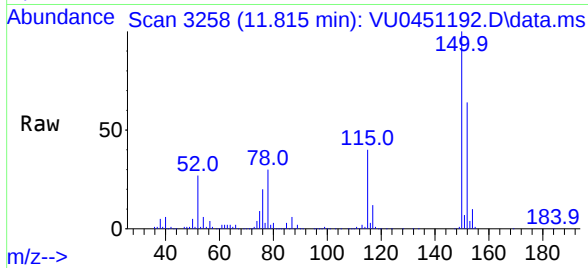
Tgt Ion: 43 Resp: 20289  
Ion Ratio Lower Upper  
43 100  
58 28.0 44.9 67.3#  
57 25.7 15.5 23.3#  
100 0.0 9.4 14.0#





#60  
 1,2,3-Trichloropropane  
 Concen: 4.850 ug/L  
 RT: 11.815 min Scan# 3258  
 Delta R.T. 0.987 min  
 Lab File: VU0451192.D  
 Acq: 06 Oct 2021 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 22694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.1  | 25.5  | 38.3  |
| 110 | 2.9   | 29.0  | 43.4# |

