

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080921\  
 Data File : VV021761.D  
 Acq On : 09 Aug 2021 13:28  
 Operator : SY/MD  
 Sample : M3287-13ME  
 Misc : 4.83g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 10 01:22:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 10 01:21:22 2021  
 Response via : Initial Calibration

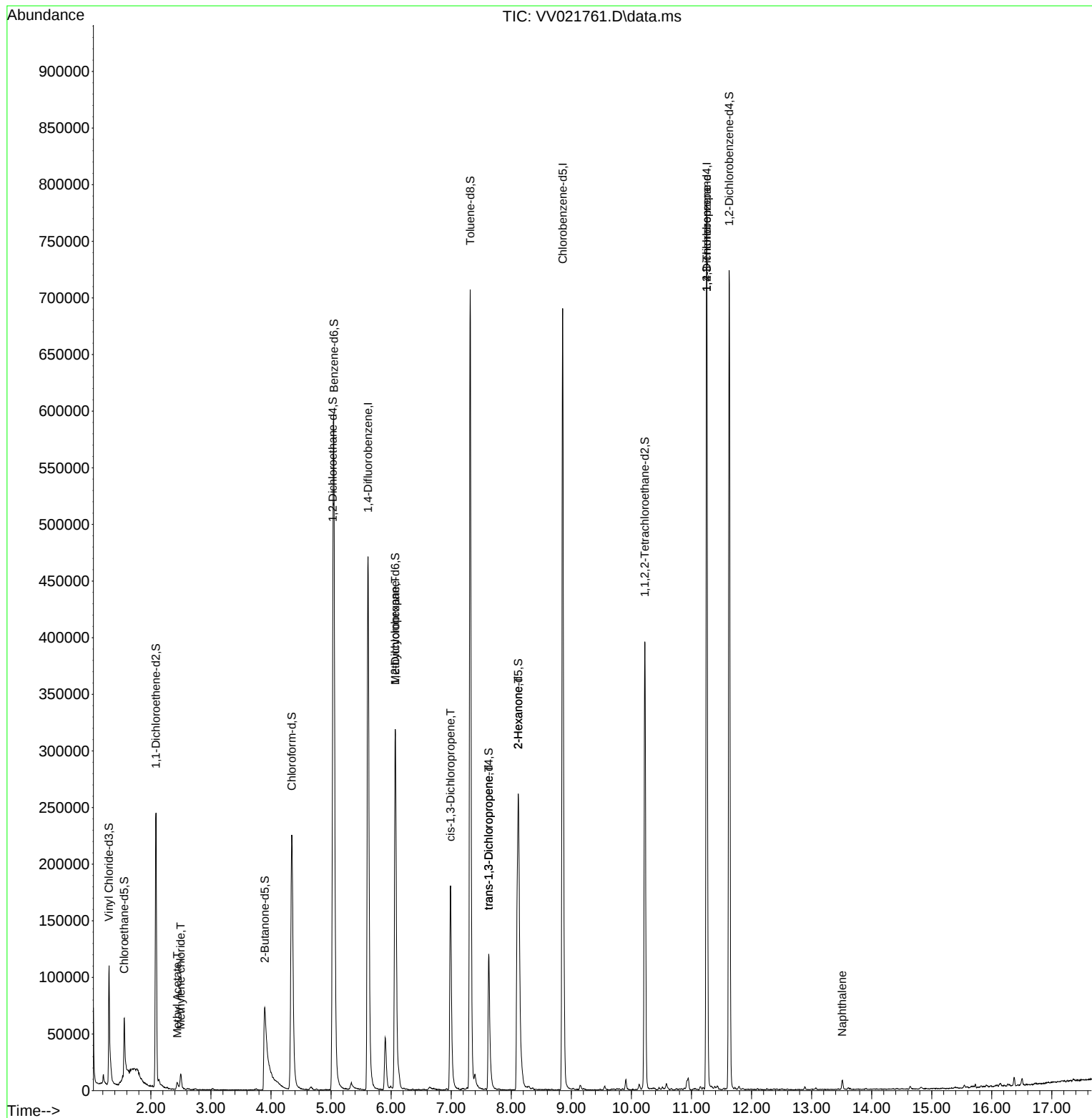
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 461731     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 439341     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 213654     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 95659      | 32.989   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 65.980%  |        |          |
| 7) Chloroethane-d5            | 1.558          | 69   | 41394      | 17.308   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 34.620%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.085          | 63   | 128397     | 24.757   | ug/L   | -0.02    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 49.520%# |        |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 193733     | 77.778   | ug/L   | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 77.780%  |        |          |
| 24) Chloroform-d              | 4.346          | 84   | 257646     | 41.920   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.840%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.031          | 65   | 162984     | 44.342   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.680%  |        |          |
| 32) Benzene-d6                | 5.047          | 84   | 530202     | 42.579   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.160%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 174227     | 44.144   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.280%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 487873     | 42.346   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.700%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 82498      | 42.361   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 84.720%  |        |          |
| 47) 2-Hexanone-d5             | 8.117          | 63   | 147217     | 85.543   | ug/L   | 0.03     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 85.540%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223         | 84   | 211980     | 40.752   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.500%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.628         | 152  | 199001     | 44.986   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.980%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 15) Methyl Acetate            | 2.439          | 43   | 9154       | 2.684    | ug/L   | 96       |
| 16) Methylene chloride        | 2.497          | 84   | 5631       | 1.790    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.069          | 83   | 42863      | 9.392    | ug/L # | 20       |
| 39) cis-1,3-Dichloropropene   | 6.989          | 75   | 5173       | 1.037    | ug/L # | 63       |
| 44) trans-1,3-Dichloropropene | 7.625          | 75   | 3523       | 0.737    | ug/L   | 89       |
| 48) 2-Hexanone                | 8.117          | 43   | 18508      | 5.265    | ug/L # | 54       |
| 61) 1,2,3-Trichloropropane    | 11.255         | 75   | 22712      | 5.981    | ug/L # | 64       |
| 71) Naphthalene               | 13.509         | 128  | 6781       | 0.587    | ug/L # | 89       |
| -----                         |                |      |            |          |        |          |

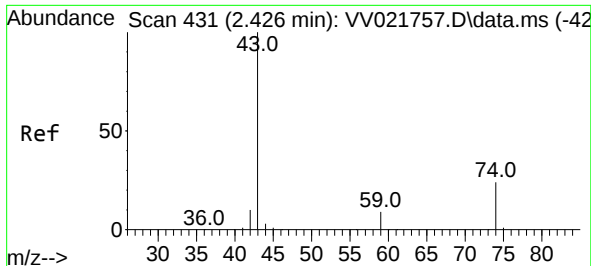
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080921\  
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Sample : M3287-13ME  
Misc : 4.83g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Aug 10 01:22:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Aug 10 01:21:22 2021  
Response via : Initial Calibration

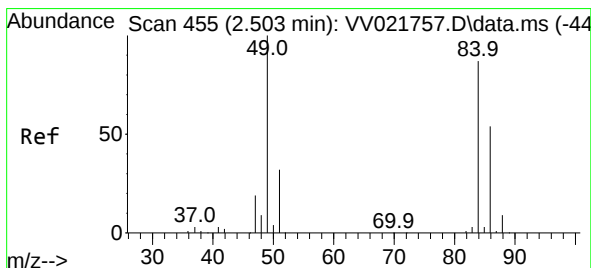
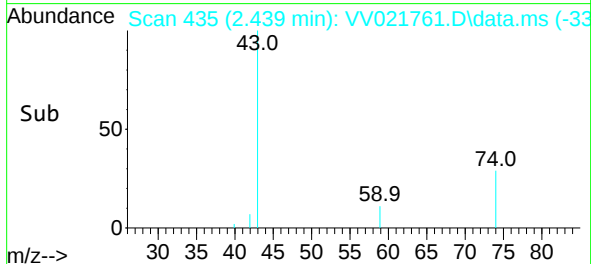
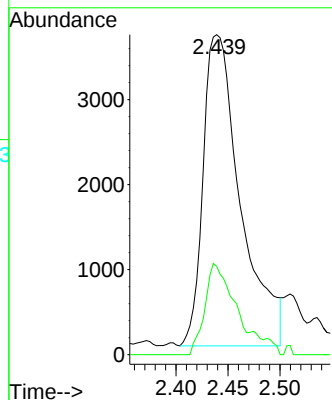
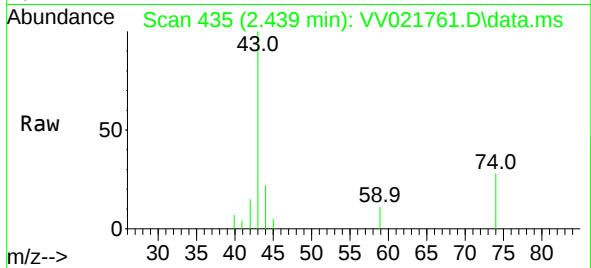




#15  
Methyl Acetate  
Concen: 2.684 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.013 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

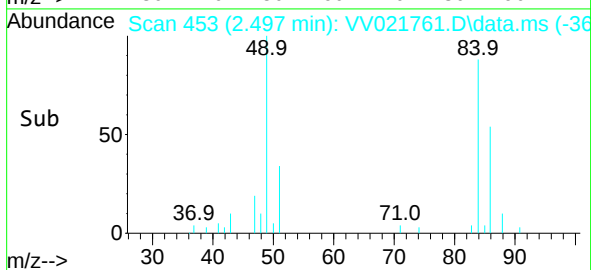
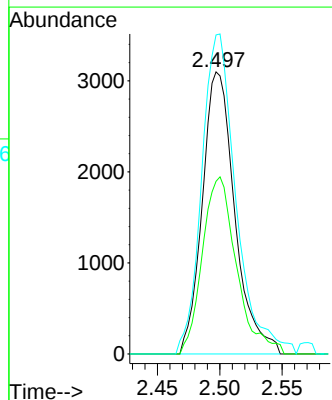
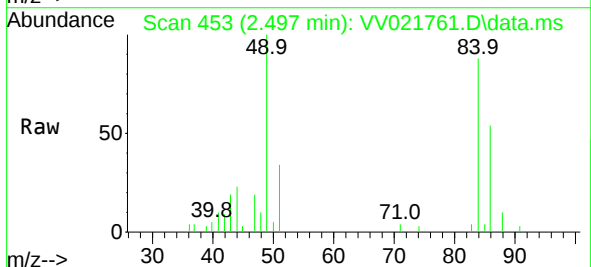
Instrument :  
MSVOA\_V  
ClientSampled :

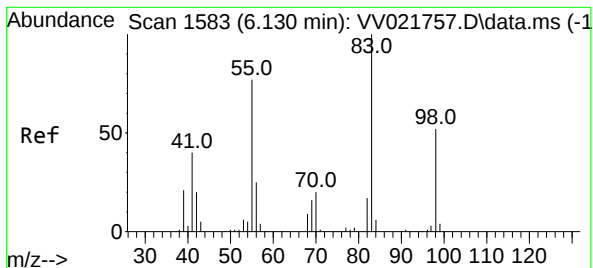
Tgt Ion: 43 Resp: 9154  
Ion Ratio Lower Upper  
43 100  
74 21.9 19.0 28.4



#16  
Methylene chloride  
Concen: 1.790 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. -0.006 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

Tgt Ion: 84 Resp: 5631  
Ion Ratio Lower Upper  
84 100  
86 61.2 44.2 82.2  
49 113.1 83.4 155.0





#35

Methylcyclohexane

Concen: 9.392 ug/L

RT: 6.069 min Scan# 1564

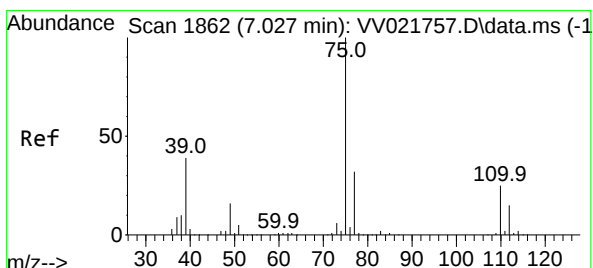
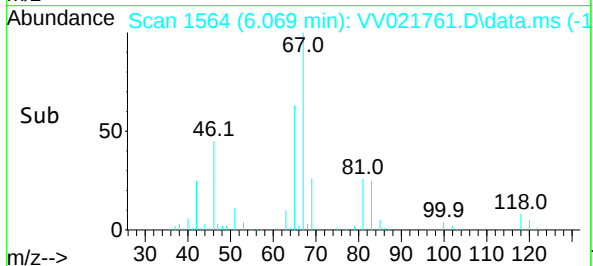
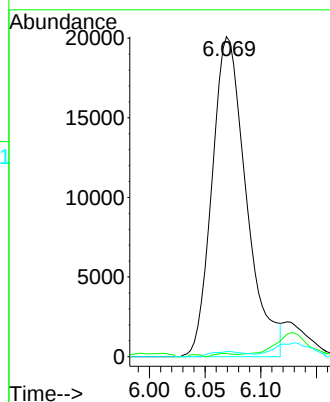
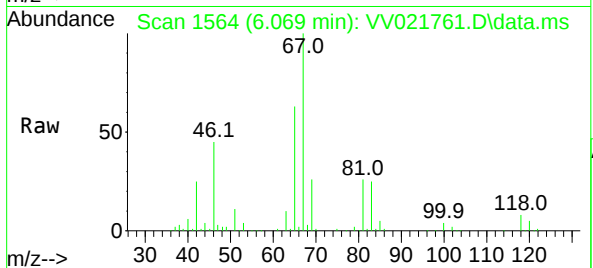
Delta R.T. -0.061 min

Lab File: VV021761.D

Acq: 09 Aug 2021 13:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 42863 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.5   | 59.1  | 88.7# |
| 98       | 1.6   | 40.8  | 61.2# |

Instrument :  
MSVOA\_V  
ClientSampled :



#39

cis-1,3-Dichloropropene

Concen: 1.037 ug/L

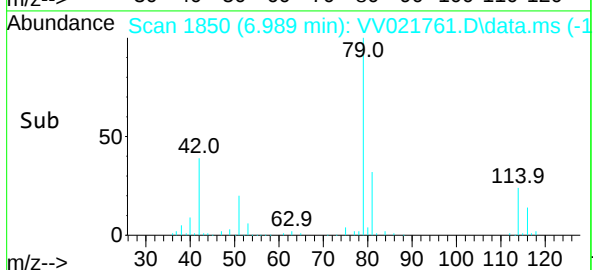
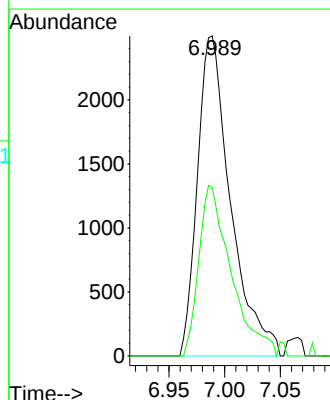
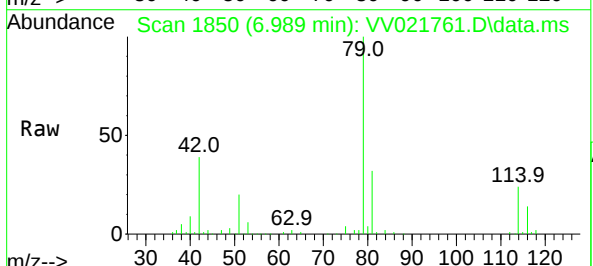
RT: 6.989 min Scan# 1850

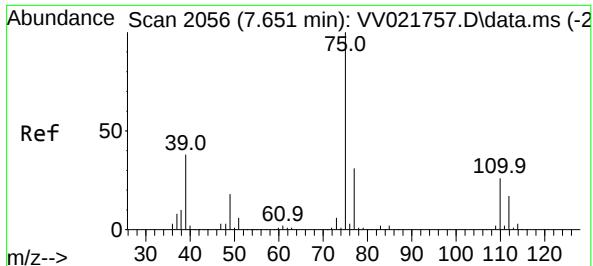
Delta R.T. -0.038 min

Lab File: VV021761.D

Acq: 09 Aug 2021 13:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5173  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 52.7  | 22.4  | 41.6# |

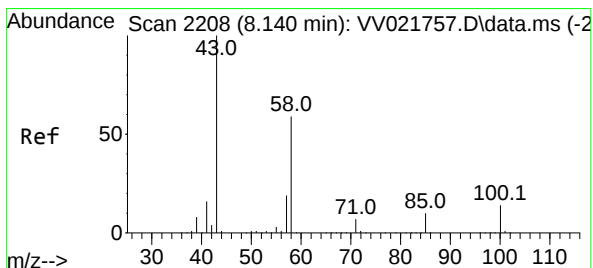
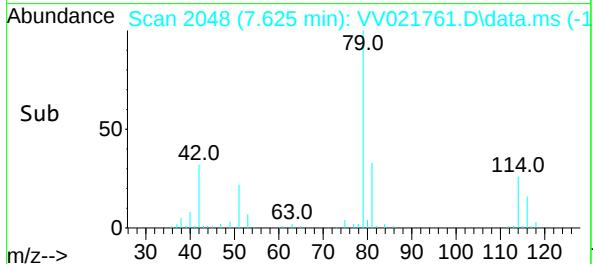
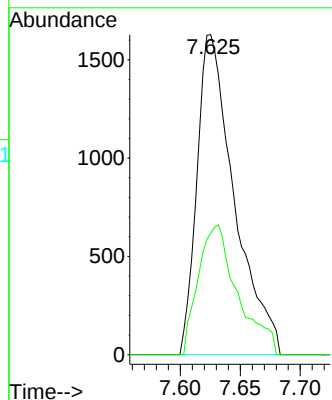
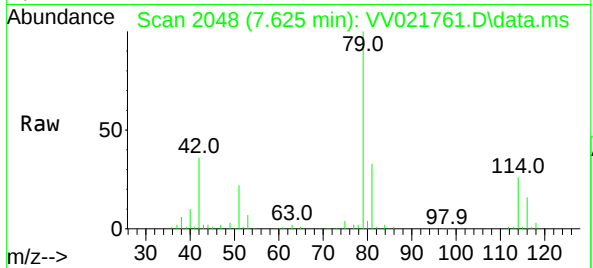




#44  
trans-1,3-Dichloropropene  
Concen: 0.737 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.026 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

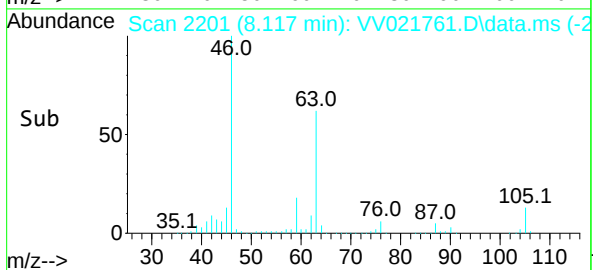
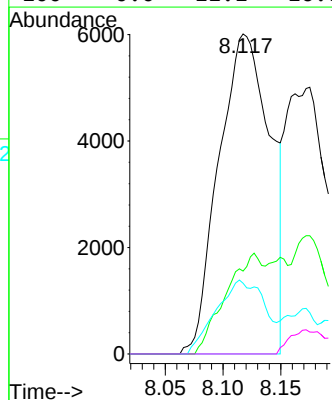
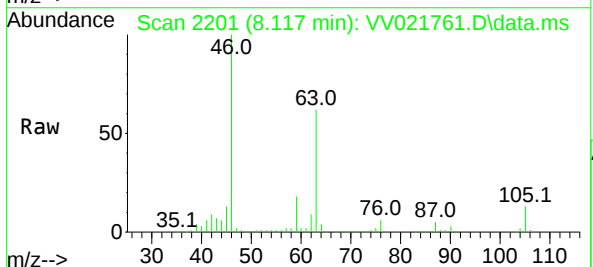
Instrument :  
MSVOA\_V  
ClientSampled :

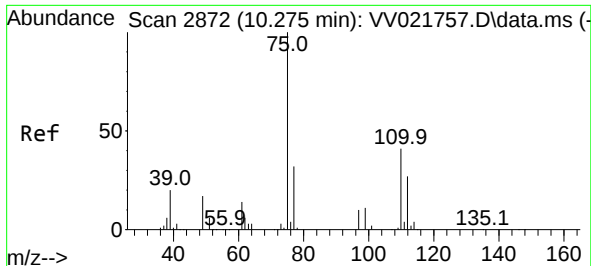
Tgt Ion: 75 Resp: 3523  
Ion Ratio Lower Upper  
75 100  
77 37.9 22.3 41.5



#48  
2-Hexanone  
Concen: 5.265 ug/L  
RT: 8.117 min Scan# 2201  
Delta R.T. -0.022 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

Tgt Ion: 43 Resp: 18508  
Ion Ratio Lower Upper  
43 100  
58 12.5 46.0 69.0#  
57 15.2 15.0 22.4  
100 0.0 11.1 16.7#

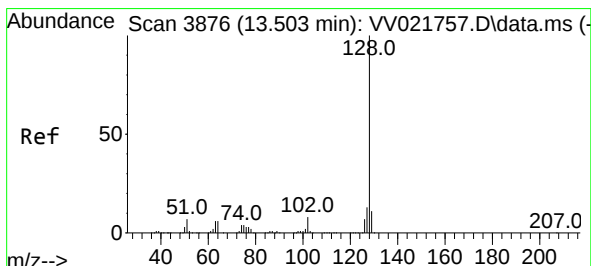
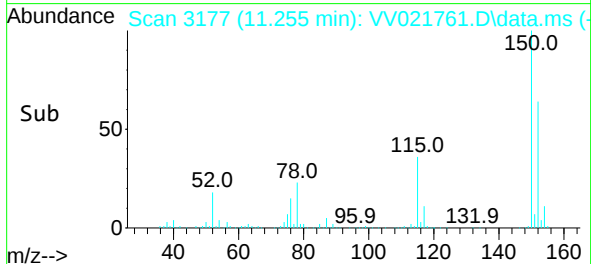
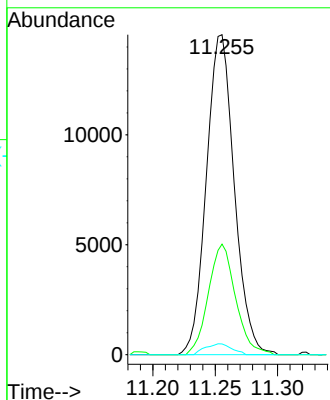
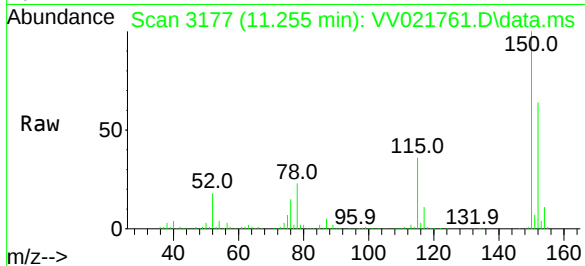




#61  
1,2,3-Trichloropropane  
Concen: 5.981 ug/L  
RT: 11.255 min Scan# 3177  
Delta R.T. 0.981 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 75 Resp: 22712  
Ion Ratio Lower Upper  
75 100  
77 33.7 25.7 38.5  
110 3.2 33.8 50.6#



#71  
Naphthalene  
Concen: 0.587 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. 0.007 min  
Lab File: VV021761.D  
Acq: 09 Aug 2021 13:28

Tgt Ion: 128 Resp: 6781  
Ion Ratio Lower Upper  
128 100  
127 6.0 10.2 15.4#  
129 12.4 8.6 12.8

