

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100921\  
 Data File : VU045270.D  
 Acq On : 09 Oct 2021 18:12  
 Operator : SY/MD  
 Sample : M4138-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 11 01:48:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 11 01:47:08 2021  
 Response via : Initial Calibration

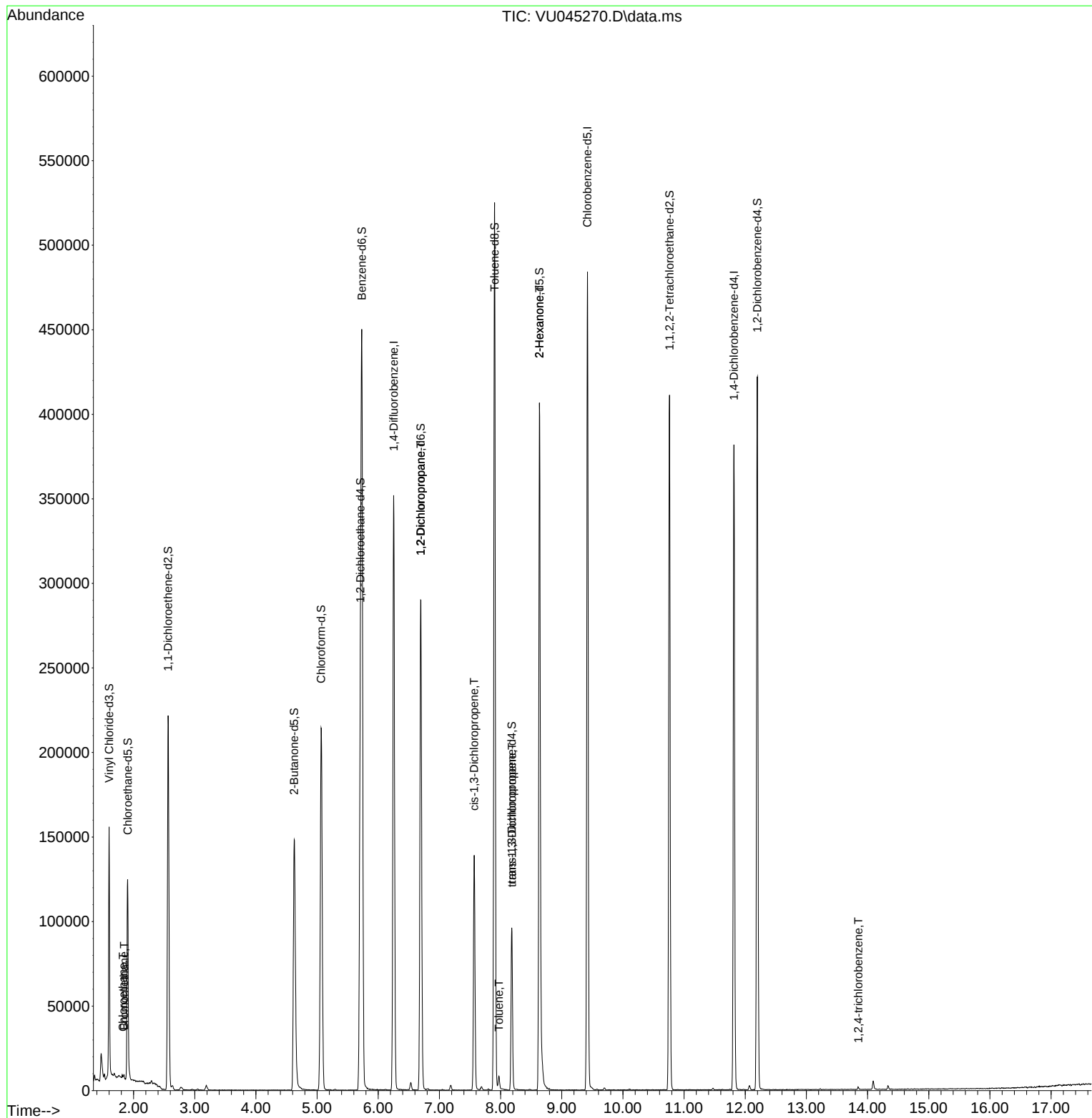
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 270449     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 250930     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815         | 152  | 93209      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 94252      | 31.835   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 63.680%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 90404      | 38.534   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.060%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 133983     | 26.948   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 53.900%# |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 216164     | 92.354   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 92.350%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 197374     | 42.210   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.420%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 141454     | 44.660   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.320%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 398937     | 45.817   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.640%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.693          | 67   | 133332     | 46.962   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.920%  |        |          |
| 41) Toluene-d8                | 7.902          | 98   | 332284     | 44.221   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.440%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 50761      | 40.193   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 80.380%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 138969     | 88.326   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.330%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 205611     | 46.507   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.020%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198         | 152  | 103124     | 50.838   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.680% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 6) Bromomethane               | 1.845          | 94   | 1109       | 0.731    | ug/L   | 85       |
| 8) Chloroethane               | 1.825          | 64   | 1531       | 0.771    | ug/L # | 53       |
| 37) 1,2-Dichloropropane       | 6.697          | 63   | 14778      | 5.832    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 3234       | 0.892    | ug/L # | 74       |
| 42) Toluene                   | 7.973          | 91   | 5406       | 0.572    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.185          | 75   | 2456       | 0.712    | ug/L   | 94       |
| 48) 2-Hexanone                | 8.636          | 43   | 17140      | 4.566    | ug/L # | 74       |
| 70) 1,2,4-trichlorobenzene    | 13.848         | 180  | 764        | 0.420    | ug/L # | 58       |
| -----                         |                |      |            |          |        |          |

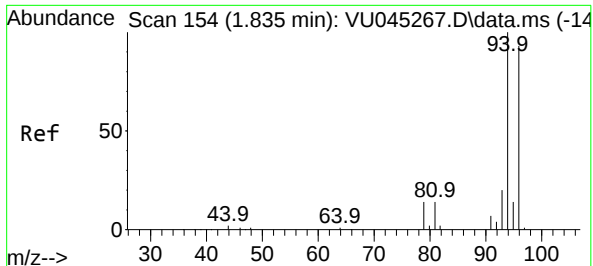
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Oct 11 01:47:08 2021  
Response via : Initial Calibration

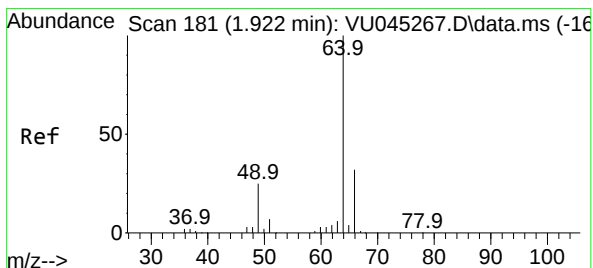
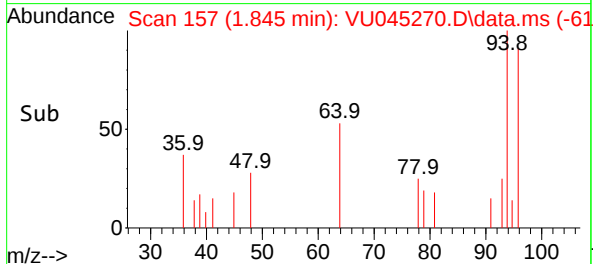
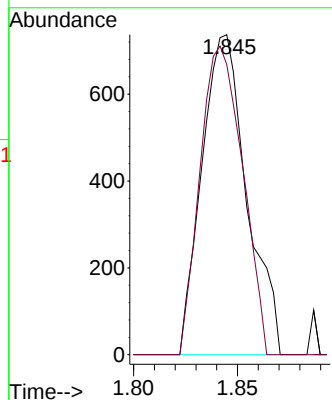
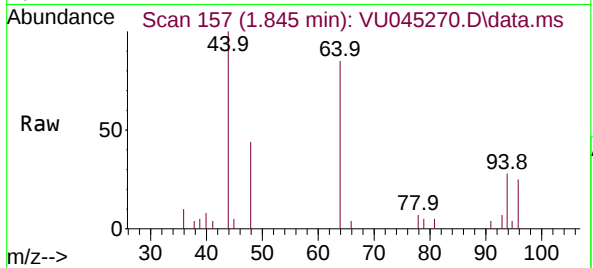




#6  
Bromomethane  
Concen: 0.731 ug/L  
RT: 1.845 min Scan# 157  
Delta R.T. 0.009 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

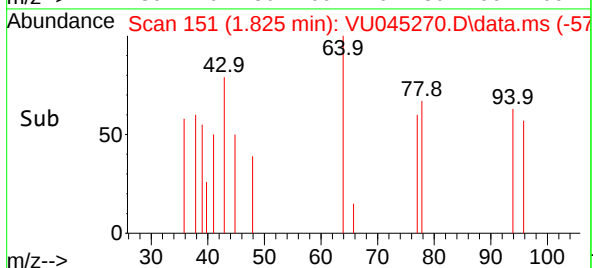
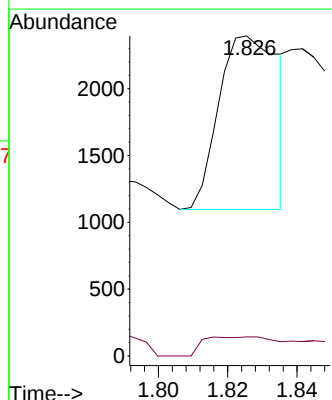
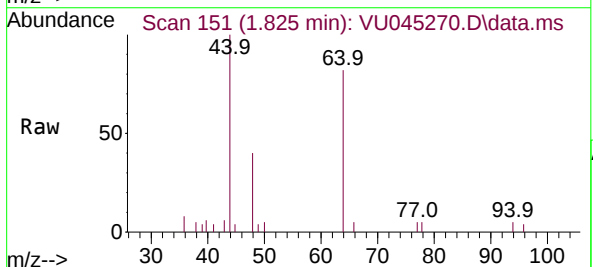
Instrument :  
MSVOA\_U  
ClientSampleId :

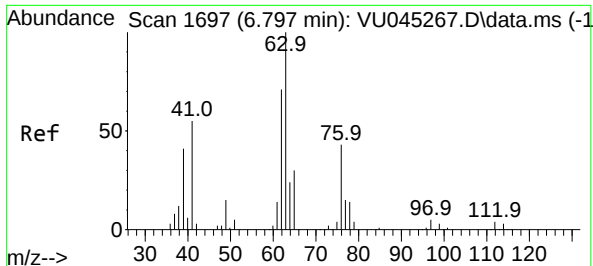
Tgt Ion: 94 Resp: 1109  
Ion Ratio Lower Upper  
94 100  
96 79.6 65.7 121.9



#8  
Chloroethane  
Concen: 0.771 ug/L  
RT: 1.825 min Scan# 151  
Delta R.T. -0.097 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

Tgt Ion: 64 Resp: 1531  
Ion Ratio Lower Upper  
64 100  
66 5.9 22.3 41.3#



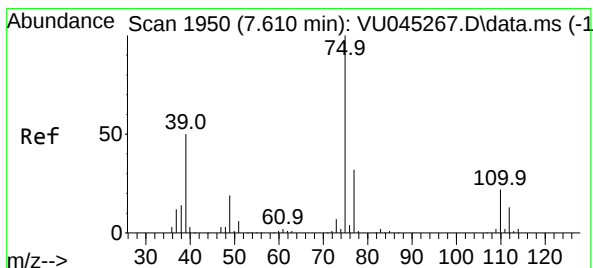
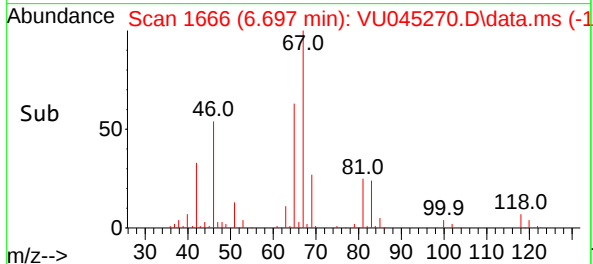
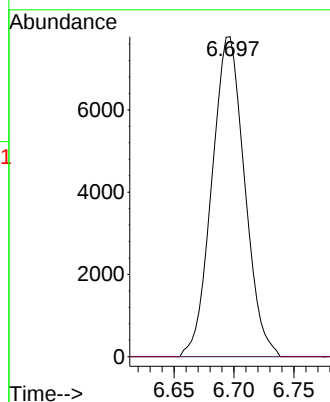
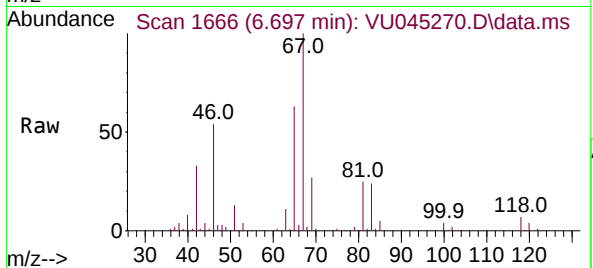


#37

1,2-Dichloropropane  
Concen: 5.832 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.100 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

Instrument :  
MSVOA\_U  
ClientSampleId :

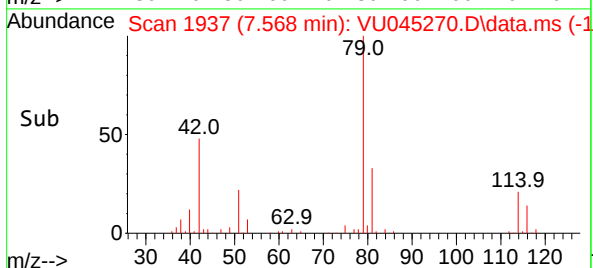
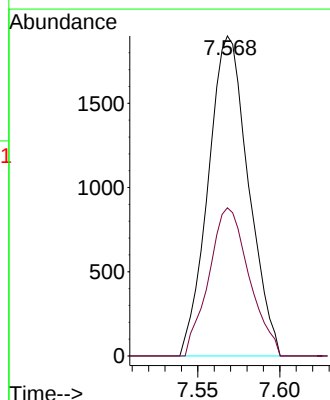
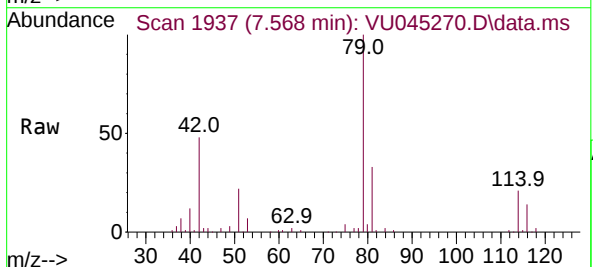
Tgt Ion: 63 Resp: 14778  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

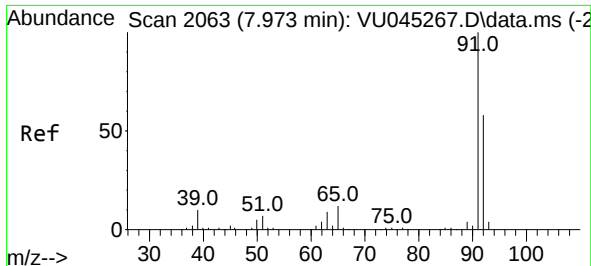


#39

cis-1,3-Dichloropropene  
Concen: 0.892 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.042 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

Tgt Ion: 75 Resp: 3234  
Ion Ratio Lower Upper  
75 100  
77 46.3 22.4 41.6#

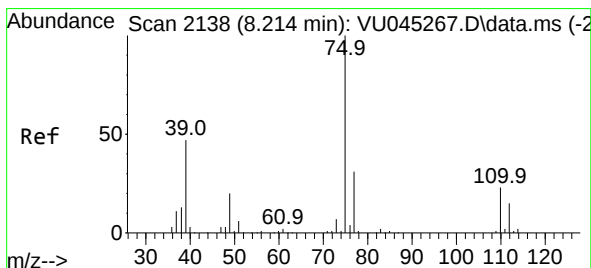
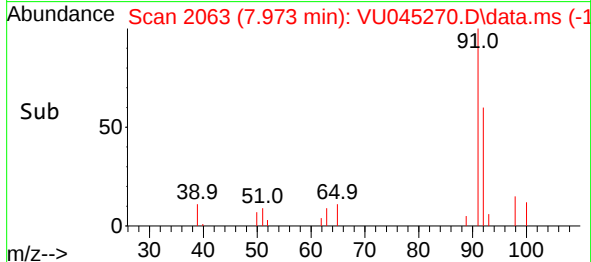
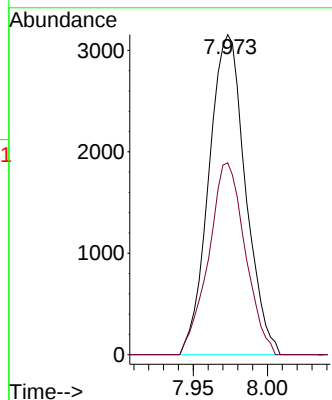
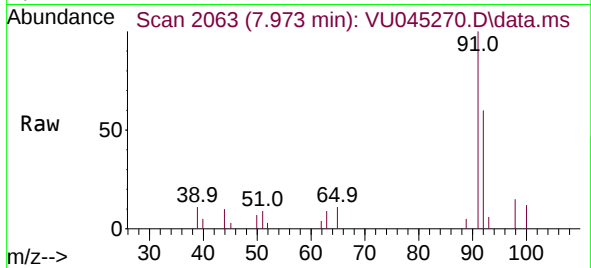




#42  
Toluene  
Concen: 0.572 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

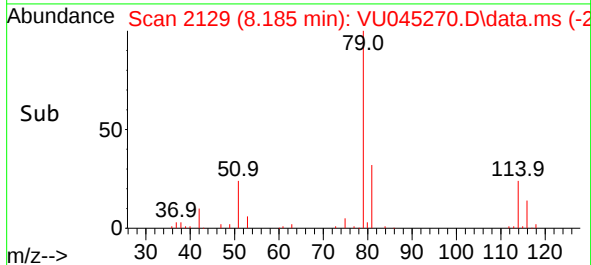
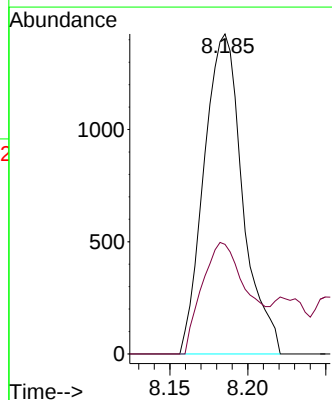
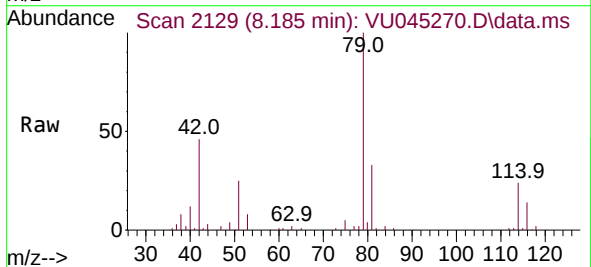
Instrument :  
MSVOA\_U  
ClientSampled :

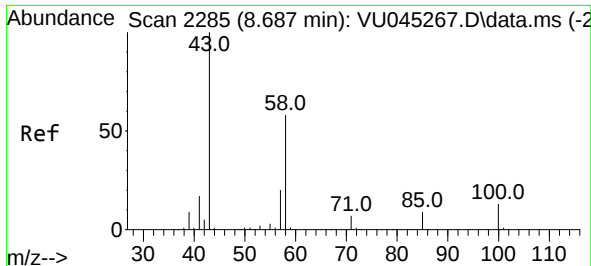
Tgt Ion: 91 Resp: 5406  
Ion Ratio Lower Upper  
91 100  
92 59.9 40.5 75.1



#44  
trans-1,3-Dichloropropene  
Concen: 0.712 ug/L  
RT: 8.185 min Scan# 2129  
Delta R.T. -0.029 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

Tgt Ion: 75 Resp: 2456  
Ion Ratio Lower Upper  
75 100  
77 34.2 21.7 40.3

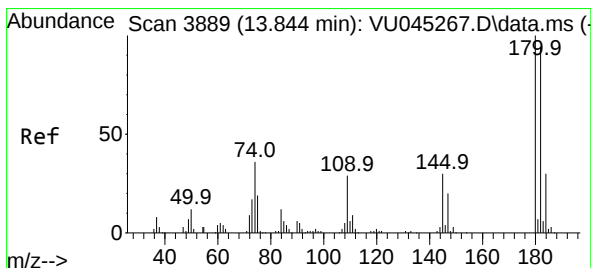
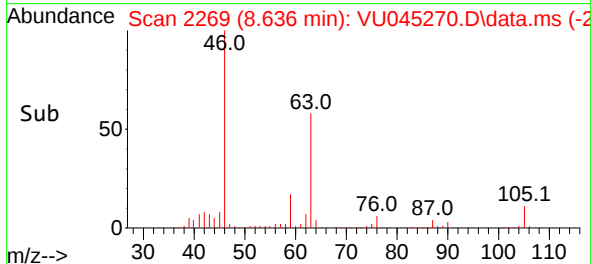
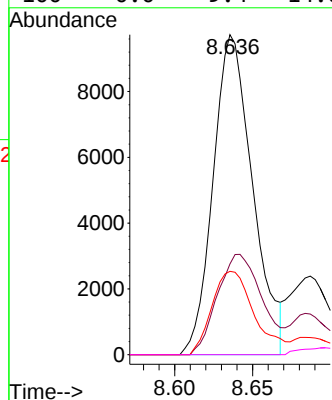
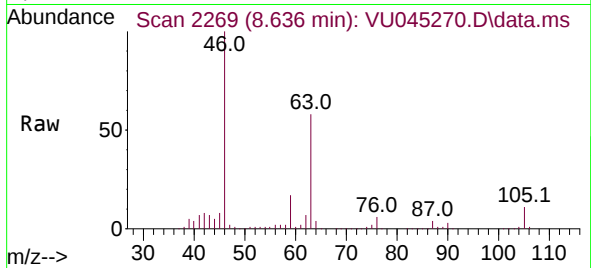




#48  
2-Hexanone  
Concen: 4.566 ug/L  
RT: 8.636 min Scan# 2269  
Delta R.T. -0.052 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

Instrument :  
MSVOA\_U  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 17140 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 36.1     | 44.9 67.3#  |
| 57 28.3     | 15.5 23.3#  |
| 100 0.0     | 9.4 14.0#   |



#70  
1,2,4-trichlorobenzene  
Concen: 0.420 ug/L  
RT: 13.848 min Scan# 3890  
Delta R.T. 0.003 min  
Lab File: VU045270.D  
Acq: 09 Oct 2021 18:12

|              |             |
|--------------|-------------|
| Tgt Ion: 180 | Resp: 764   |
| Ion Ratio    | Lower Upper |
| 180 100      |             |
| 182 54.5     | 76.2 114.2# |
| 145 9.2      | 25.4 38.0#  |

