

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120721\  
 Data File : VU046133.D  
 Acq On : 07 Dec 2021 12:26  
 Operator : SY/MD  
 Sample : M4938-03 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 08 04:52:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

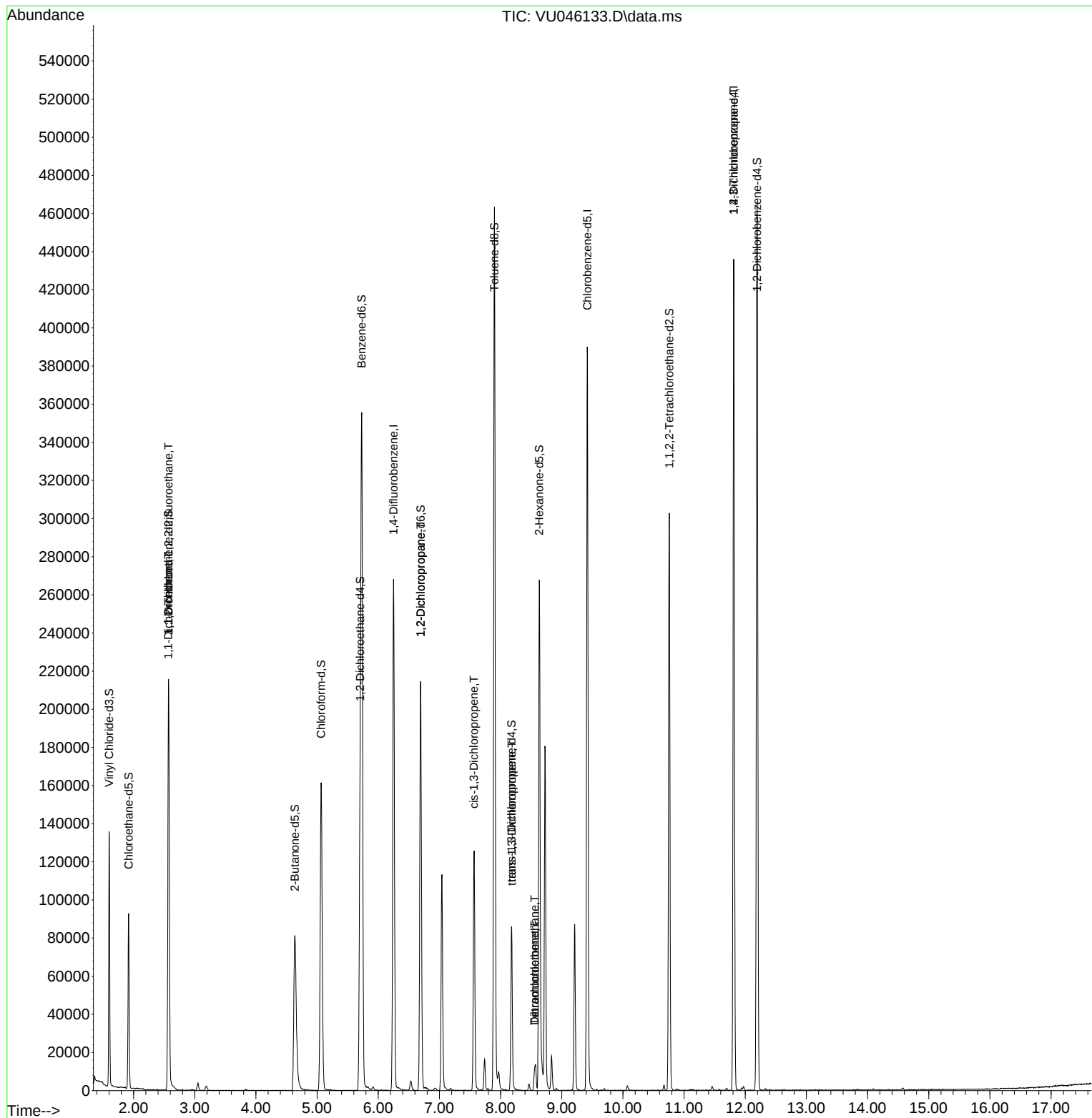
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 228161     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 224566     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 118034     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 93137      | 49.555   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 99.100%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 67397      | 46.705   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 93.400%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 127854     | 37.894   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.780%  |        |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 138527     | 92.717   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 92.720%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 153020     | 48.754   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.500%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 102780     | 48.795   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.580%  |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 342326     | 53.185   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 106.380% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 102794     | 51.532   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 103.060% |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 317671     | 54.207   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 108.420% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 49570      | 51.478   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 102.960% |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 100009     | 105.741  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 105.740% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 148750     | 49.171   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 98.340%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 124607     | 54.818   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 109.640% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.572          | 101  | 1132       | 0.682    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.568          | 96   | 1035       | 0.656    | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 10750      | 6.038    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 3088       | 1.140    | ug/L # | 79       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 1997       | 0.751    | ug/L   | 92       |
| 46) Tetrachloroethene         | 8.555          | 164  | 2114       | 1.607    | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.555          | 129  | 2199       | 1.172    | ug/L # | 10       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 13192      | 5.099    | ug/L # | 65       |
| -----                         |                |      |            |          |        |          |

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

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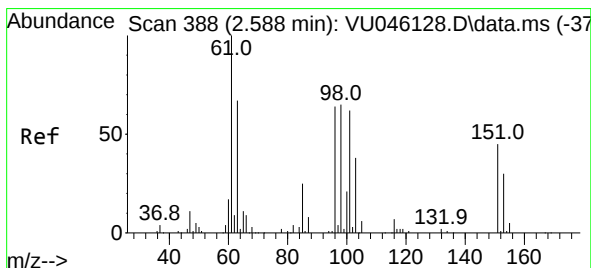
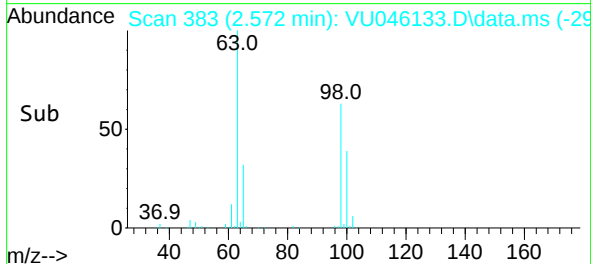
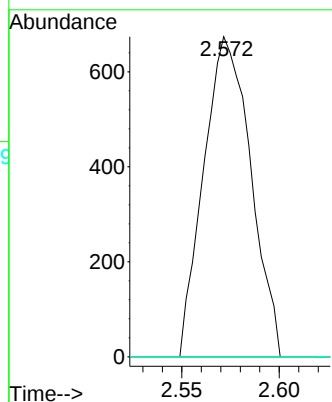
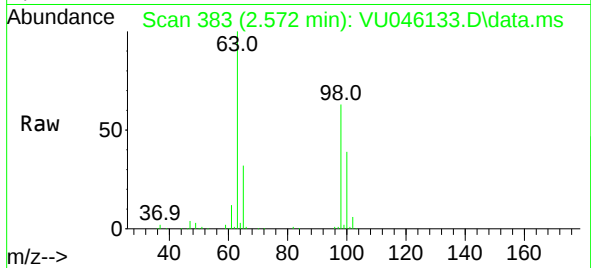




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.682 ug/L  
RT: 2.572 min Scan# 311  
Delta R.T. -0.016 min  
Lab File: VU046133.D  
Acq: 07 Dec 2021 12:26

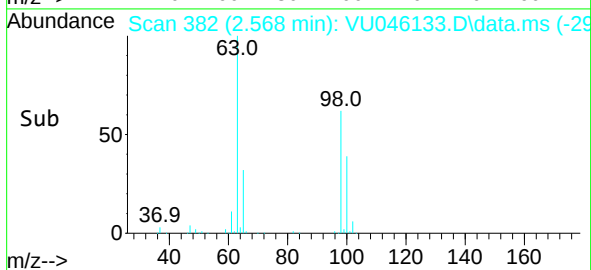
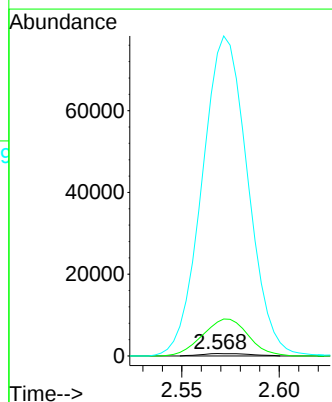
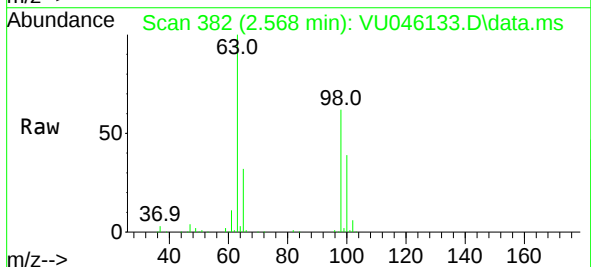
Instrument :  
MSVOA\_U  
ClientSampleId :

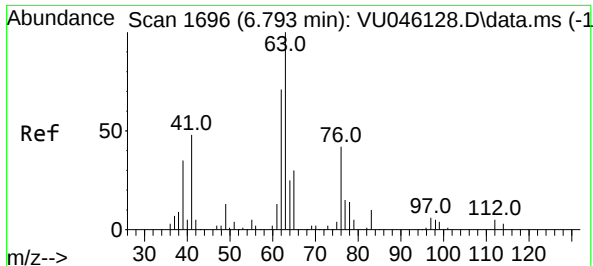
Tgt Ion:101 Resp: 1132  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 0.656 ug/L  
RT: 2.568 min Scan# 382  
Delta R.T. -0.016 min  
Lab File: VU046133.D  
Acq: 07 Dec 2021 12:26

Tgt Ion: 96 Resp: 1035  
Ion Ratio Lower Upper  
96 100  
61 1420.3 118.6 220.2#  
63 12666.0 93.0 172.8#





#37

1,2-Dichloropropane

Concen: 6.038 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046133.D

Acq: 07 Dec 2021 12:26

Instrument :

MSVOA\_U

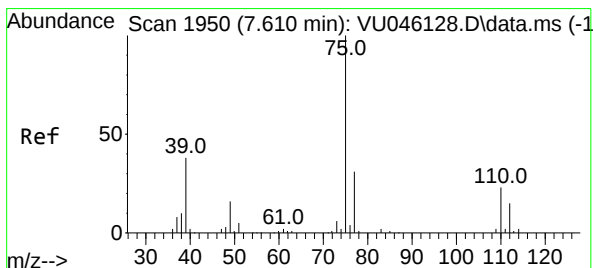
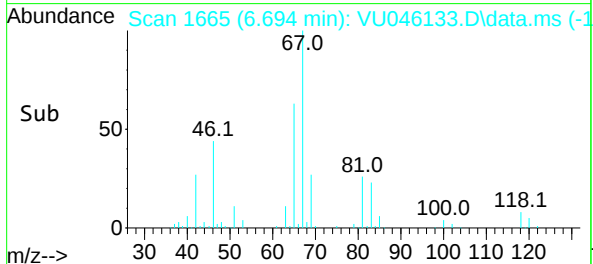
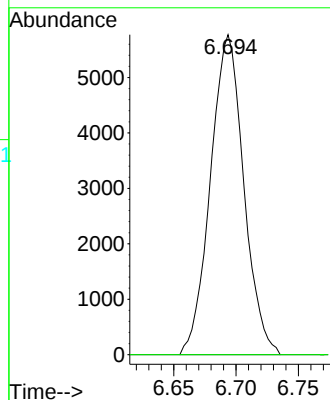
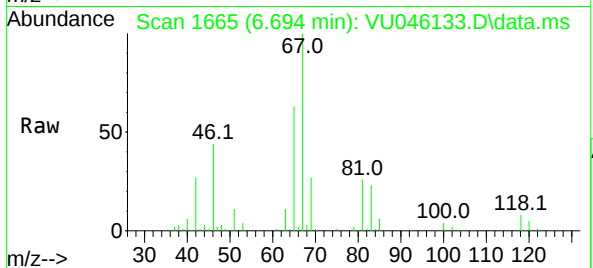
ClientSampleId :

Tgt Ion: 63 Resp: 10750

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.140 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046133.D

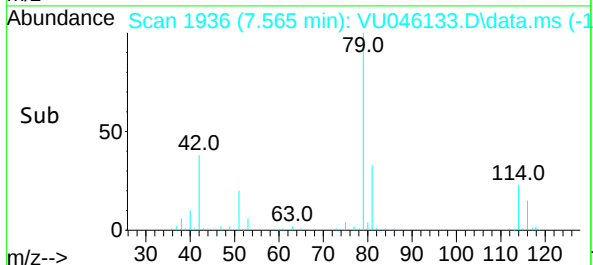
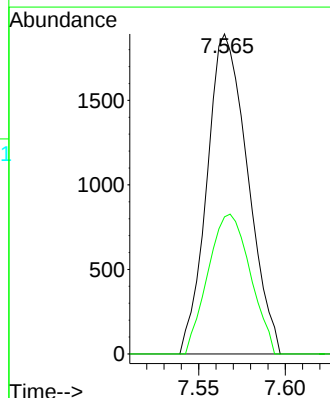
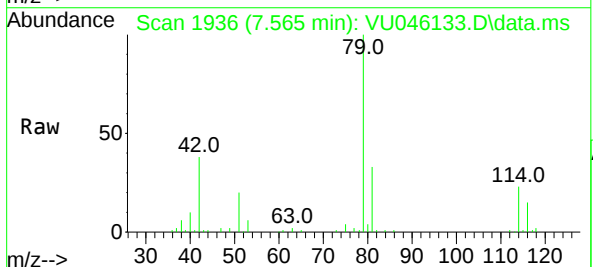
Acq: 07 Dec 2021 12:26

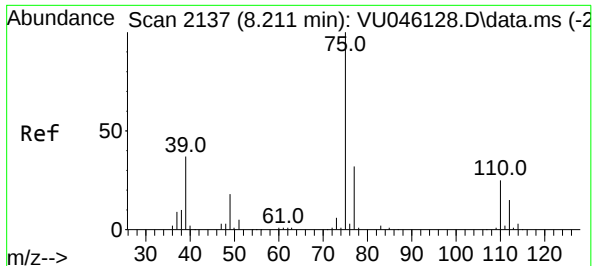
Tgt Ion: 75 Resp: 3088

Ion Ratio Lower Upper

75 100

77 42.8 21.8 40.6#

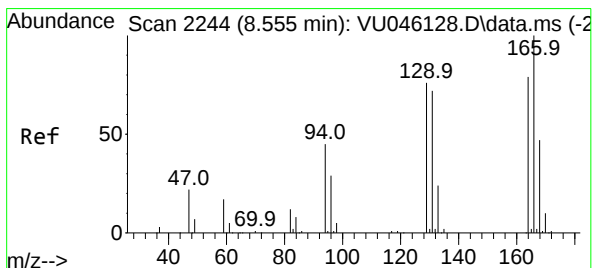
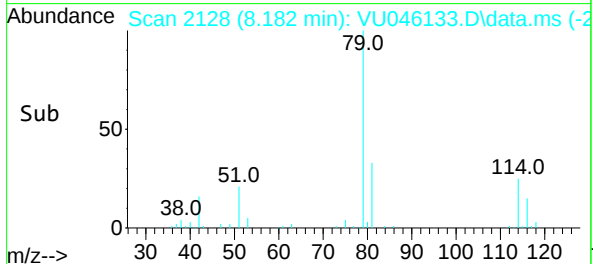
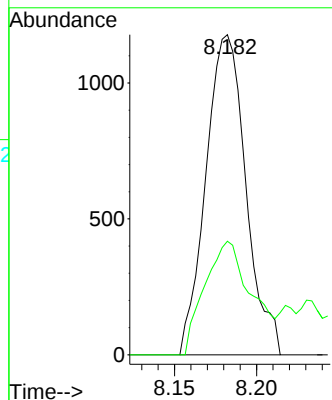
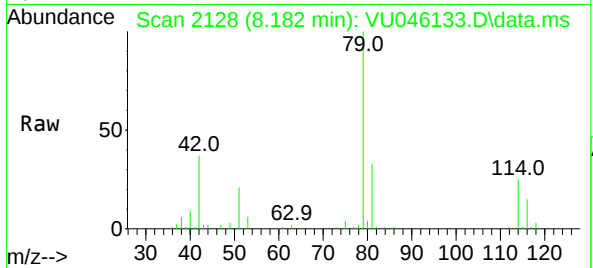




#44  
trans-1,3-Dichloropropene  
Concen: 0.751 ug/L  
RT: 8.182 min Scan# 2137  
Delta R.T. -0.032 min  
Lab File: VU046133.D  
Acq: 07 Dec 2021 12:26

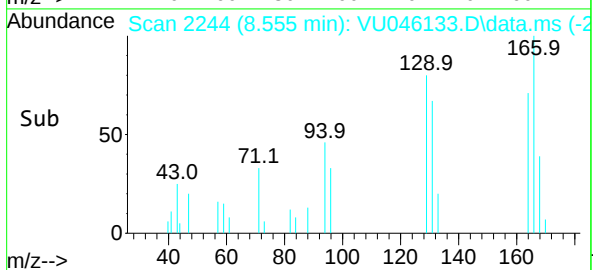
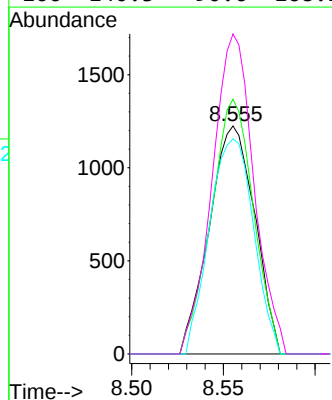
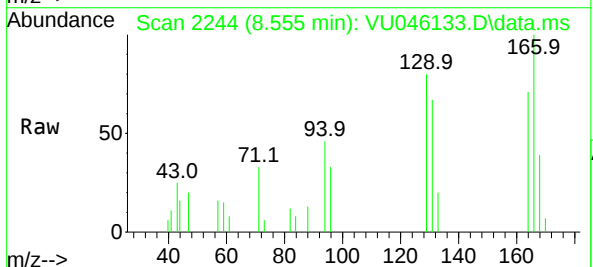
Instrument :  
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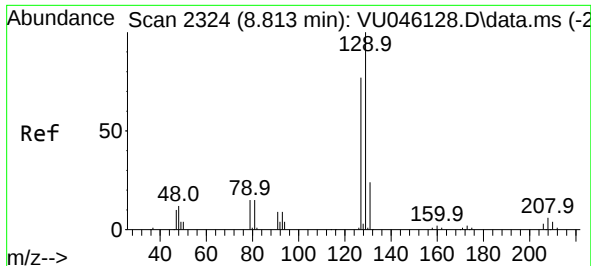
Tgt Ion: 75 Resp: 1997  
Ion Ratio Lower Upper  
75 100  
77 35.5 21.7 40.3



#46  
Tetrachloroethene  
Concen: 1.607 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046133.D  
Acq: 07 Dec 2021 12:26

Tgt Ion: 164 Resp: 2114  
Ion Ratio Lower Upper  
164 100  
129 111.7 71.1 132.1  
131 94.3 67.8 126.0  
166 140.3 90.6 168.2





#49

Dibromochloromethane

Concen: 1.172 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046133.D

Acq: 07 Dec 2021 12:26

Instrument :

MSVOA\_U

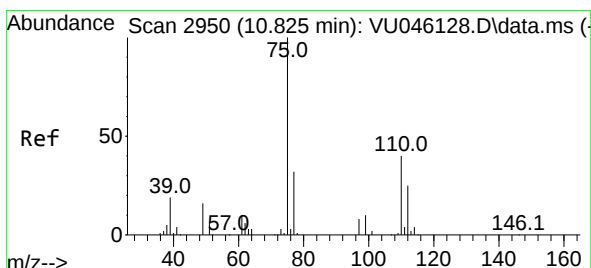
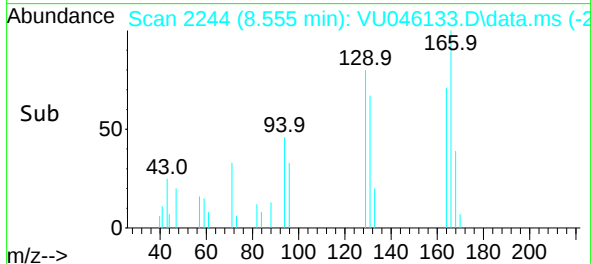
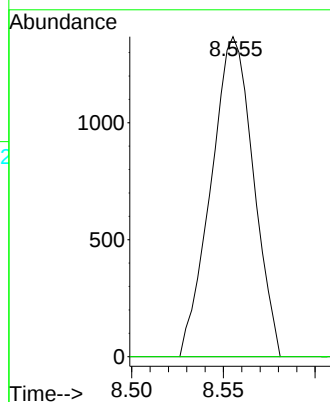
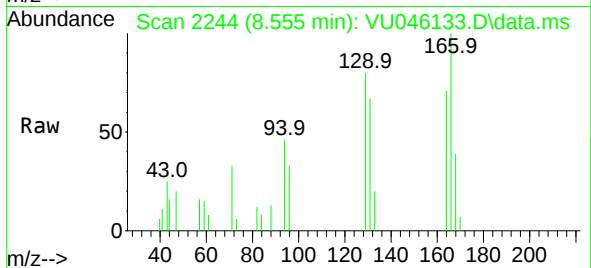
ClientSampleId :

Tgt Ion:129 Resp: 2199

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.099 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046133.D

Acq: 07 Dec 2021 12:26

Tgt Ion: 75 Resp: 13192

Ion Ratio Lower Upper

75 100

77 31.6 26.4 39.6

110 2.4 32.4 48.6#

