

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071524\  
 Data File : VU059943.D  
 Acq On : 15 Jul 2024 12:02  
 Operator : MD/SY  
 Sample : P3230-01ME 40X  
 Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 16 05:47:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM070224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 16 05:46:09 2024  
 Response via : Initial Calibration

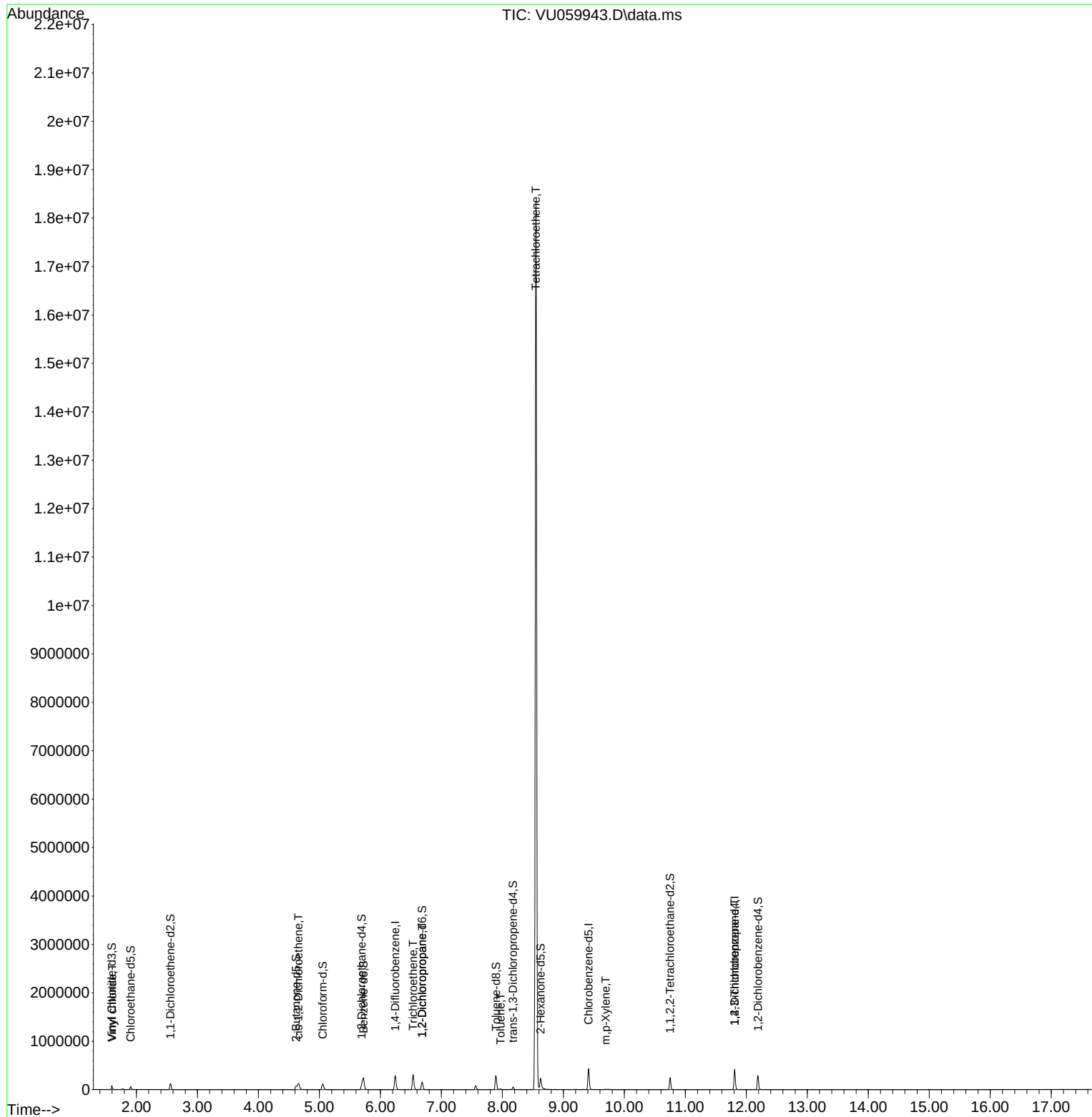
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242          | 114  | 240696     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412          | 117  | 251104     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807         | 152  | 115492     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596          | 65   | 56694      | 36.685   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.360%  |        |          |
| 7) Chloroethane-d5            | 1.904          | 69   | 50656      | 38.969   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.940%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.557          | 63   | 73002      | 26.589   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 53.180%# |        |          |
| 21) 2-Butanone-d5             | 4.615          | 46   | 102803     | 95.719   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 95.720%  |        |          |
| 24) Chloroform-d              | 5.055          | 84   | 115899     | 38.726   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 77.460%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.692          | 65   | 72848      | 40.938   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.880%  |        |          |
| 32) Benzene-d6                | 5.721          | 84   | 236883     | 36.840   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 73.680%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.685          | 67   | 79223      | 39.809   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 79.620%  |        |          |
| 41) Toluene-d8                | 7.894          | 98   | 202676     | 33.145   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 66.300%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174          | 79   | 32604      | 35.012   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 70.020%  |        |          |
| 47) 2-Hexanone-d5             | 8.627          | 63   | 77456      | 92.352   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 92.350%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750         | 84   | 124994     | 40.921   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.840%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190         | 152  | 83756      | 39.465   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 78.940%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.602          | 62   | 3866       | 2.245    | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 4.657          | 96   | 68019      | 38.231   | ug/L   | 97       |
| 34) Trichloroethene           | 6.534          | 95   | 109310     | 60.409   | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.685          | 63   | 7669       | 4.109    | ug/L # | 88       |
| 42) Toluene                   | 7.968          | 91   | 12443      | 1.681    | ug/L   | 94       |
| 46) Tetrachloroethene         | 8.550          | 164  | 4143484    | 2783.488 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.692          | 106  | 2868       | 0.932    | ug/L   | 72       |
| 60) 1,2,3-Trichloropropane    | 11.807         | 75   | 13036      | 5.947    | ug/L # | 64       |
| -----                         |                |      |            |          |        |          |

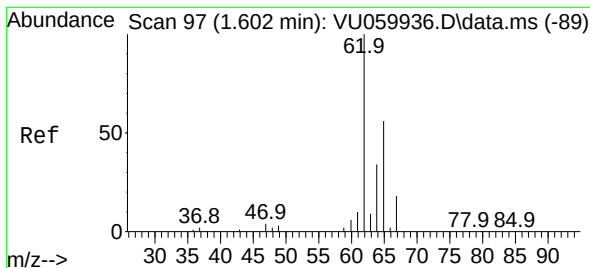
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jul 16 05:46:09 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.245 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

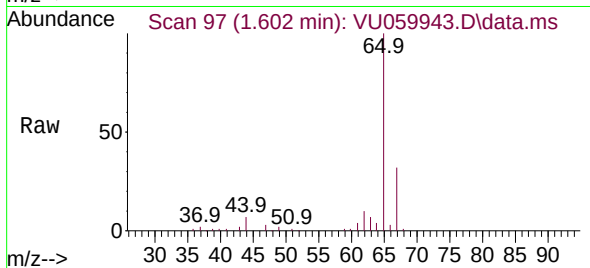
Lab File: VU059943.D

Acq: 15 Jul 2024 12:02

Instrument :

MSVOA\_U

ClientSampleId :

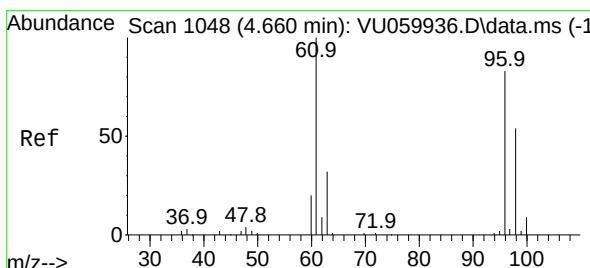
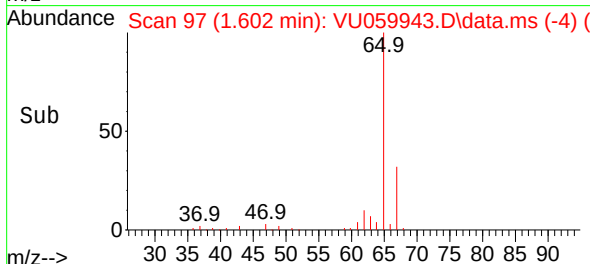
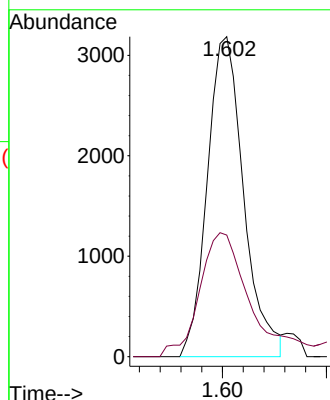


Tgt Ion: 62 Resp: 3866

Ion Ratio Lower Upper

62 100

64 38.0 22.9 42.5



#20

cis-1,2-Dichloroethene

Concen: 38.231 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU059943.D

Acq: 15 Jul 2024 12:02

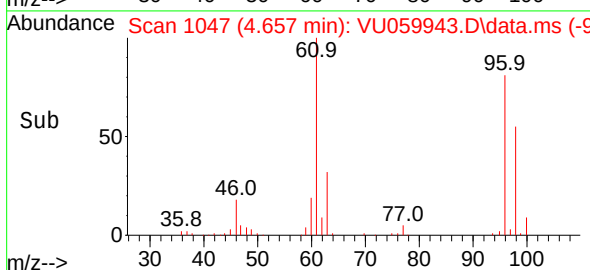
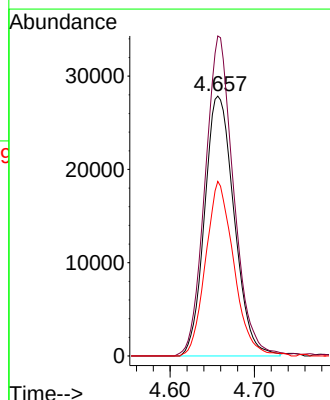
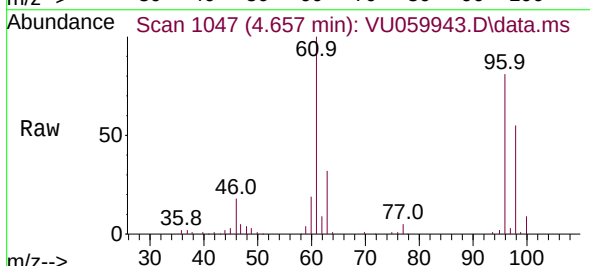
Tgt Ion: 96 Resp: 68019

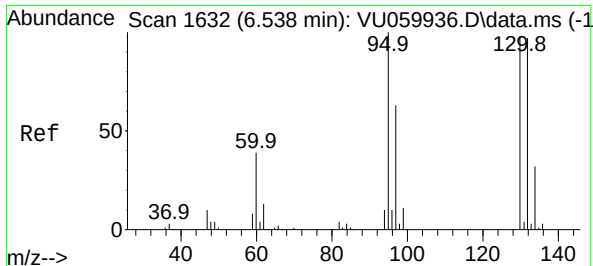
Ion Ratio Lower Upper

96 100

61 123.2 83.2 154.4

98 67.2 45.9 85.3





#34

Trichloroethene

Concen: 60.409 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

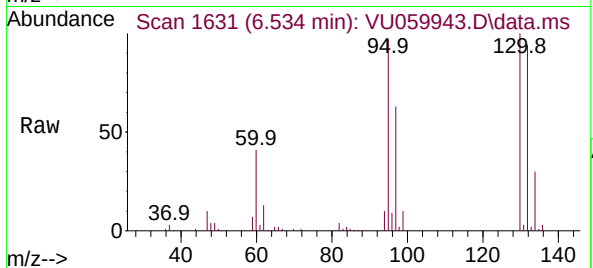
Lab File: VU059943.D

Acq: 15 Jul 2024 12:02

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 95 Resp: 109310

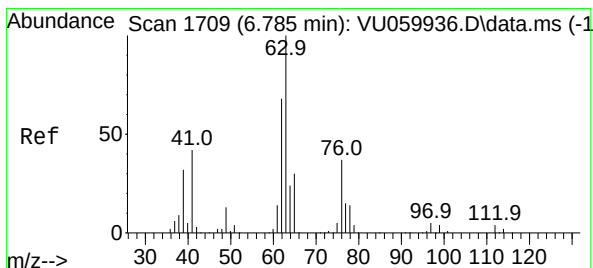
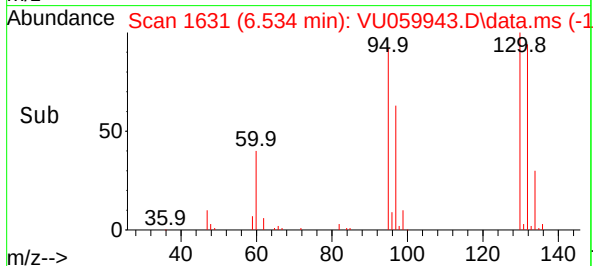
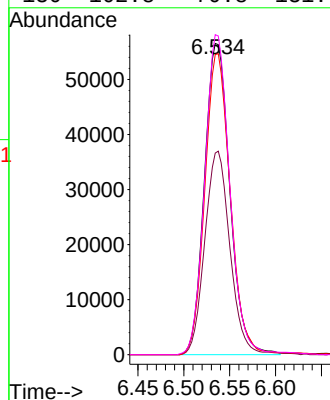
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.2

132 96.4 69.8 129.6

130 102.8 70.8 131.6



#37

1,2-Dichloropropane

Concen: 4.109 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.100 min

Lab File: VU059943.D

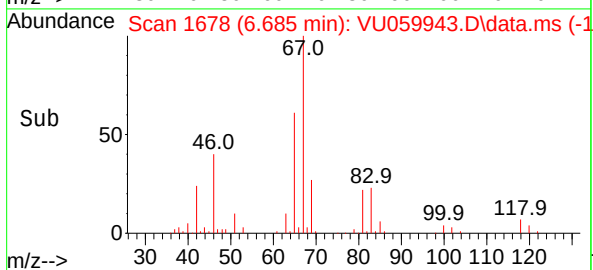
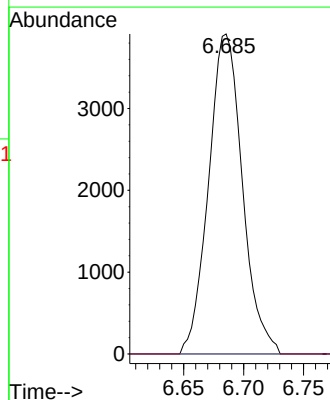
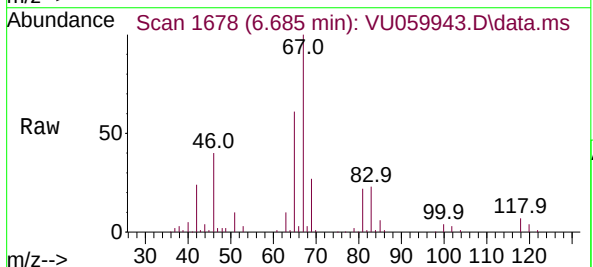
Acq: 15 Jul 2024 12:02

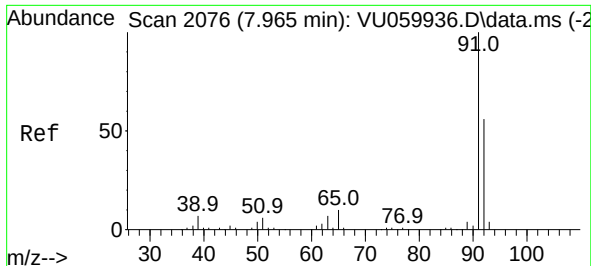
Tgt Ion: 63 Resp: 7669

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#





#42

Toluene

Concen: 1.681 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU059943.D

Acq: 15 Jul 2024 12:02

Instrument :

MSVOA\_U

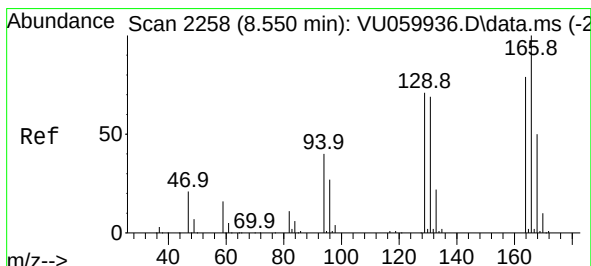
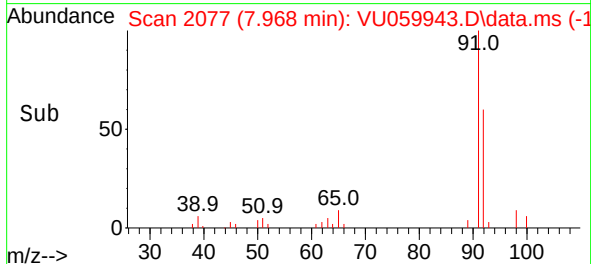
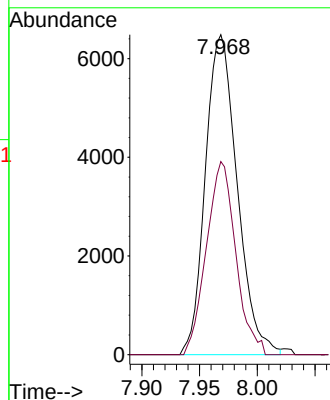
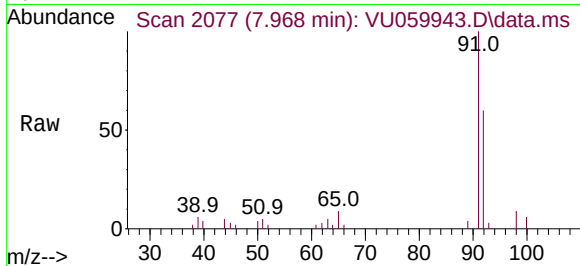
ClientSampleId :

Tgt Ion: 91 Resp: 12443

Ion Ratio Lower Upper

91 100

92 60.3 39.3 72.9



#46

Tetrachloroethene

Concen: 2783.488 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU059943.D

Acq: 15 Jul 2024 12:02

Tgt Ion:164 Resp: 4143484

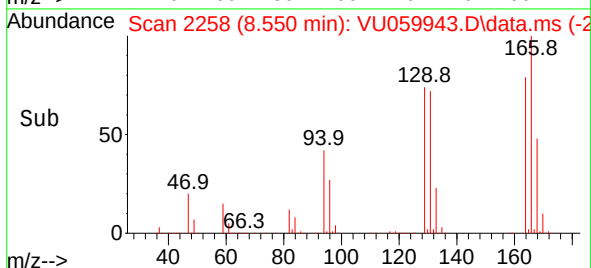
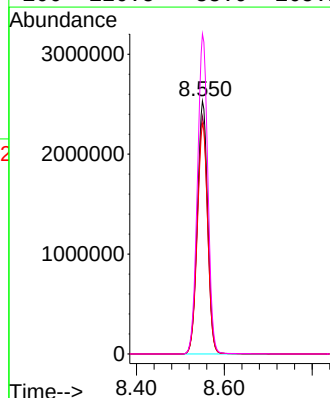
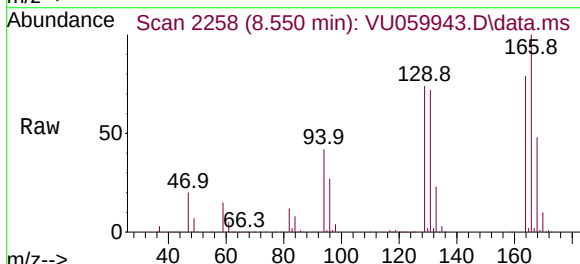
Ion Ratio Lower Upper

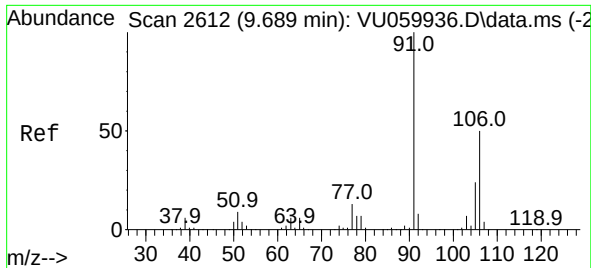
164 100

129 94.0 62.7 116.5

131 91.2 62.3 115.7

166 126.5 88.9 165.1

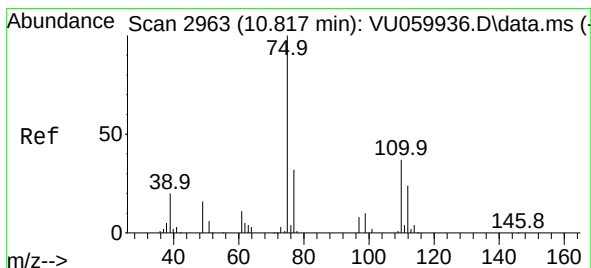
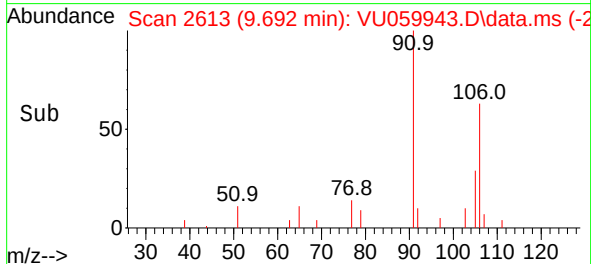
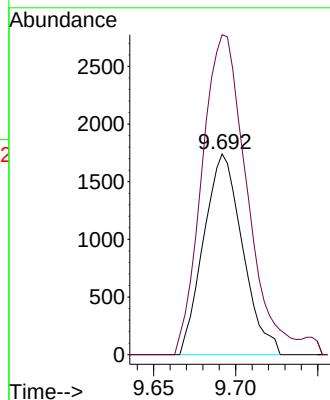
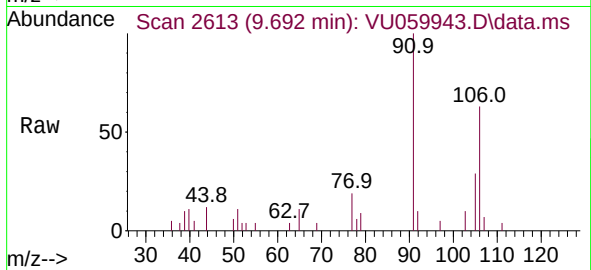




#53  
m,p-Xylene  
Concen: 0.932 ug/L  
RT: 9.692 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU059943.D  
Acq: 15 Jul 2024 12:02

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 2868  
Ion Ratio Lower Upper  
106 100  
91 159.4 140.9 261.7



#60  
1,2,3-Trichloropropane  
Concen: 5.947 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU059943.D  
Acq: 15 Jul 2024 12:02

Tgt Ion: 75 Resp: 13036  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.5 38.3  
110 0.0 30.7 46.1#

