

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061022\  
 Data File : VU049027.D  
 Acq On : 11 Jun 2022 03:39  
 Operator : SY/MD  
 Sample : N3249-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYT3

Quant Time: Jun 11 07:55:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 11 04:33:31 2022  
 Response via : Initial Calibration

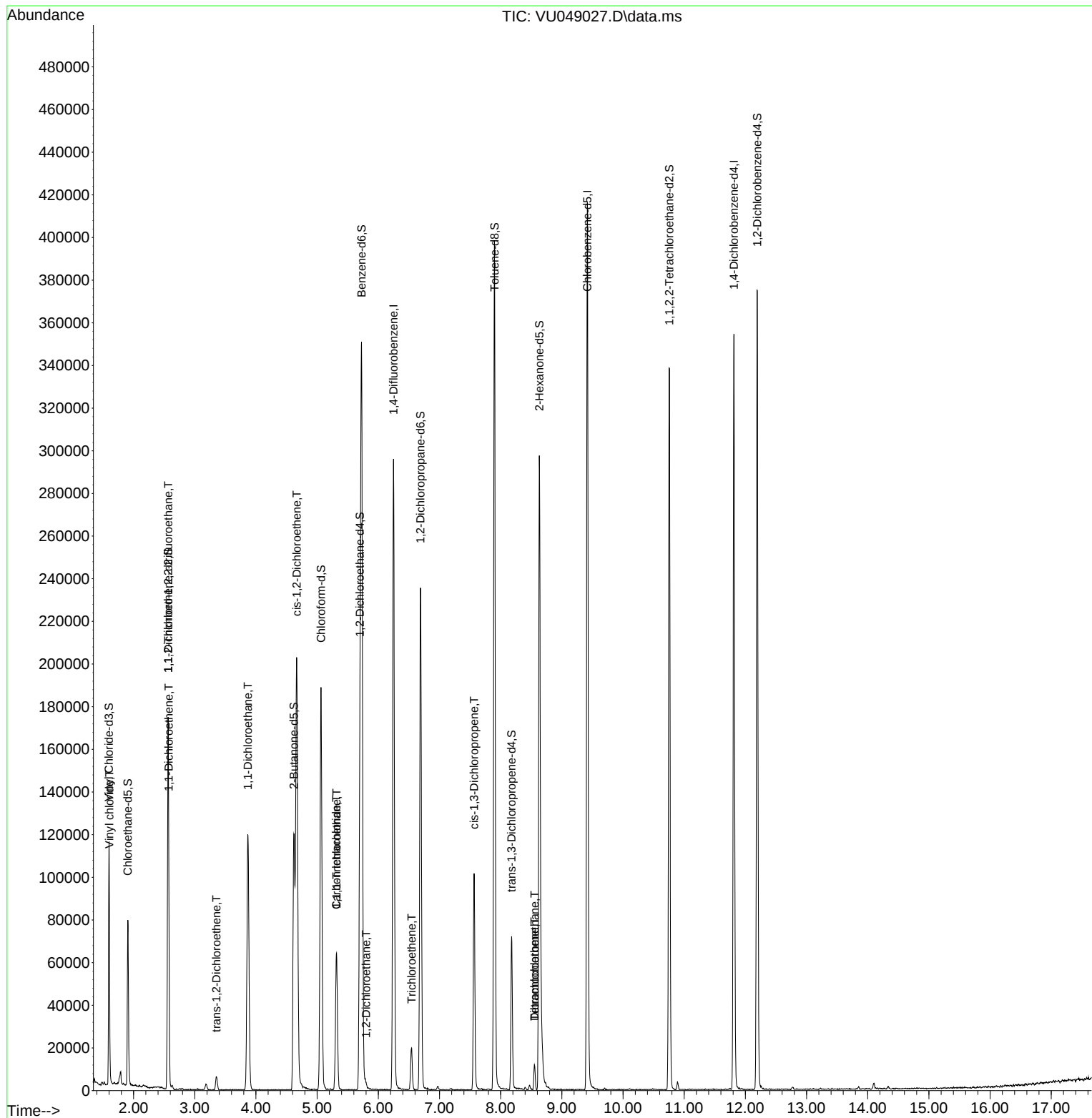
| Compound                      | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                         |                |      |                      |         |        |          |
| Internal Standards            |                |      |                      |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 238237               | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 236478               | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 95985                | 50.000  | ug/L   | 0.00     |
|                               |                |      |                      |         |        |          |
| System Monitoring Compounds   |                |      |                      |         |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 72664                | 49.510  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 99.020%   |         |        |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 55839                | 51.818  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 103.640%  |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 103137               | 37.242  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 74.480%   |         |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 170317               | 105.845 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 105.840%  |         |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 175520               | 56.061  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 112.120%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 119720               | 59.022  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 118.040%  |         |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 324323               | 55.309  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 110.620%  |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 111368               | 56.495  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 113.000%  |         |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 264237               | 51.095  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 102.200%  |         |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 41827                | 45.102  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 90.200%   |         |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 90123                | 87.352  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 87.350%   |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 170174               | 51.686  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 103.380%  |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 101845               | 60.982  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 121.960%# |         |        |          |
|                               |                |      |                      |         |        |          |
| Target Compounds              |                |      |                      |         |        | Qvalue   |
| 5) Vinyl chloride             | 1.604          | 62   | 10847                | 5.163   | ug/L # | 83       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565          | 101  | 1072                 | 0.639   | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 1504                 | 1.024   | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.353          | 96   | 2852                 | 1.766   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.867          | 63   | 138960               | 39.931  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.668          | 96   | 102655               | 52.235  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.800          | 62   | 1863                 | 0.631   | ug/L # | 76       |
| 30) 1,1,1-Trichloroethane     | 5.317          | 97   | 46799                | 14.191  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.314          | 117  | 5905                 | 2.047   | ug/L   | 95       |
| 34) Trichloroethene           | 6.546          | 95   | 6638                 | 3.437   | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 2523                 | 0.794   | ug/L   | 85       |
| 46) Tetrachloroethene         | 8.555          | 164  | 2596                 | 1.734   | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.555          | 129  | 2640                 | 1.133   | ug/L # | 11       |
| -----                         |                |      |                      |         |        |          |

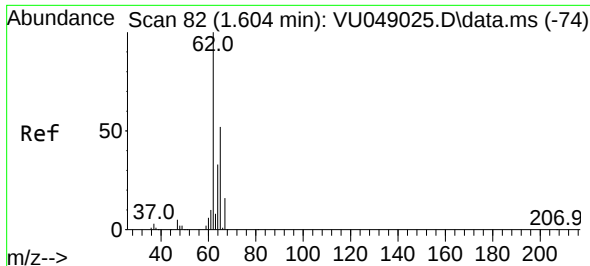
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061022\  
Data File : VU049027.D  
Acq On : 11 Jun 2022 03:39  
Operator : SY/MD  
Sample : N3249-09  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYT3

Quant Time: Jun 11 07:55:56 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jun 11 04:33:31 2022  
Response via : Initial Calibration

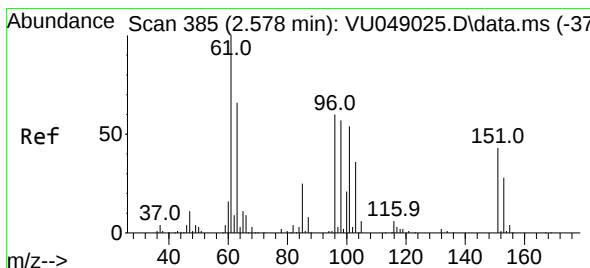
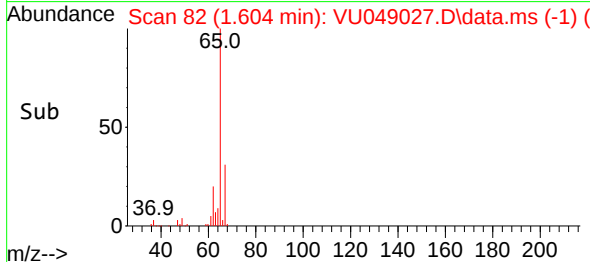
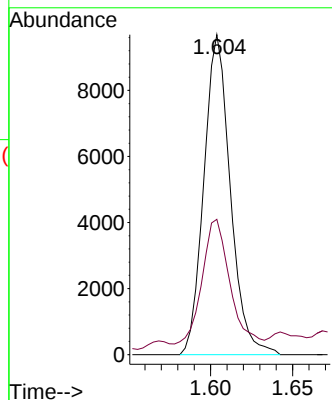
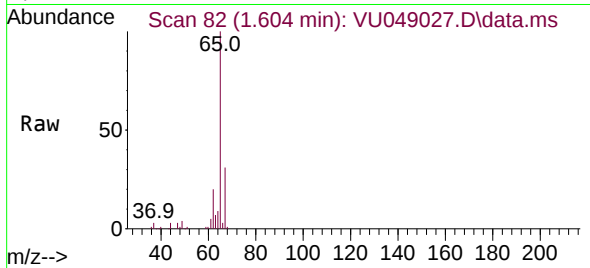




#5  
 Vinyl chloride  
 Concen: 5.163 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU049027.D  
 Acq: 11 Jun 2022 03:39

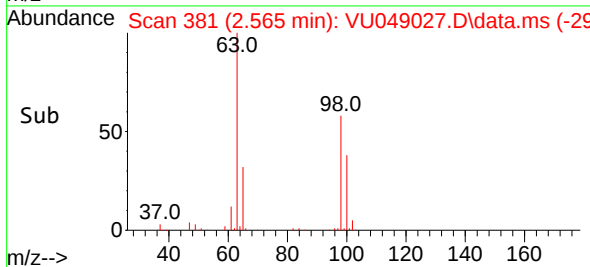
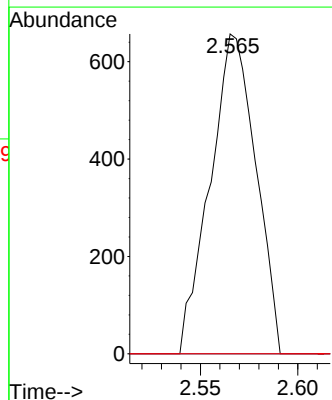
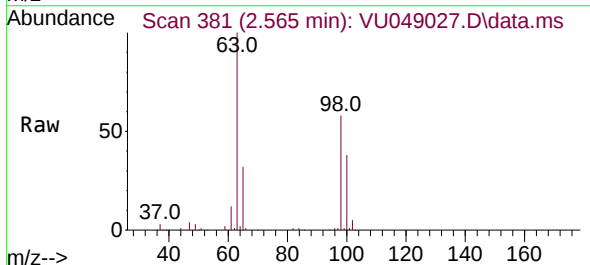
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYT3

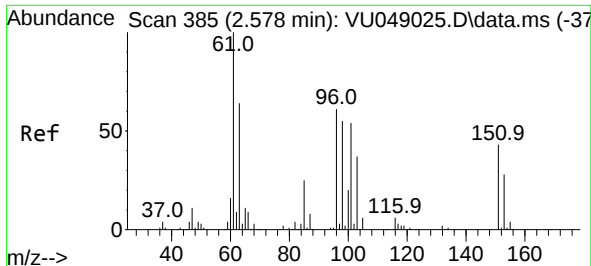
Tgt Ion: 62 Resp: 10847  
 Ion Ratio Lower Upper  
 62 100  
 64 42.3 22.7 42.3#



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.639 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU049027.D  
 Acq: 11 Jun 2022 03:39

Tgt Ion: 101 Resp: 1072  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.2 52.8#  
 151 0.0 61.4 92.2#





#12

1,1-Dichloroethene

Concen: 1.024 ug/L

RT: 2.575 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

Instrument :

MSVOA\_U

ClientSampleId :

EXYT3

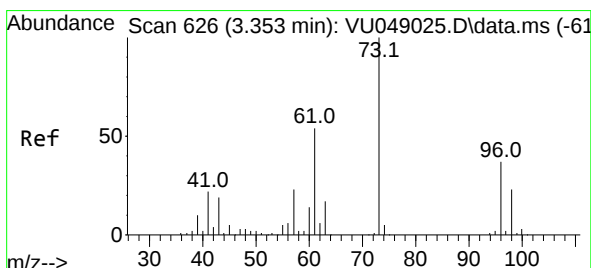
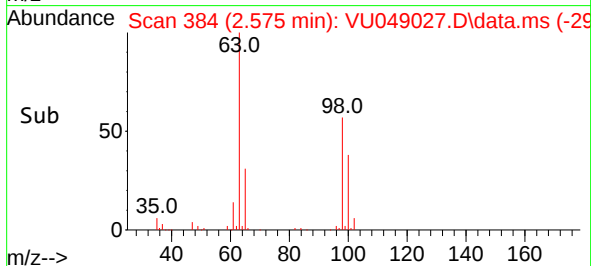
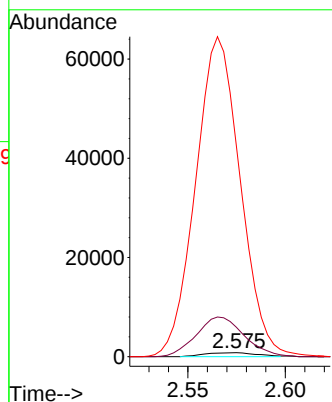
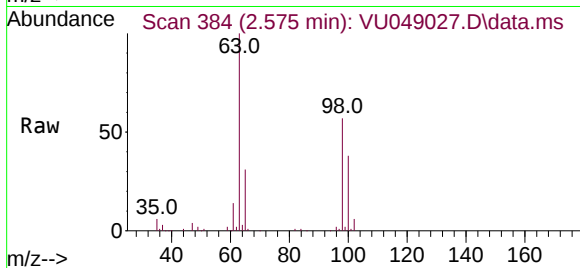
Tgt Ion: 96 Resp: 1504

Ion Ratio Lower Upper

96 100

61 734.5 123.5 229.3#

63 5262.4 86.0 159.8#



#17

trans-1,2-Dichloroethene

Concen: 1.766 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

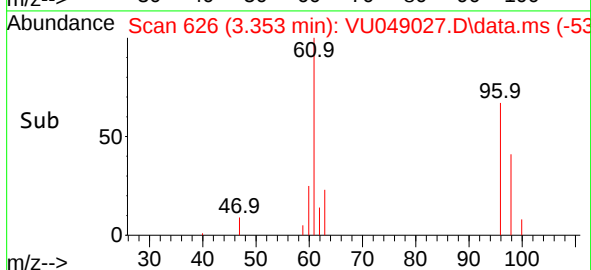
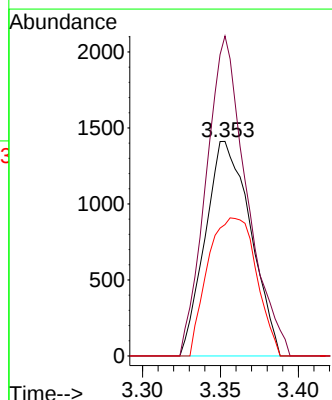
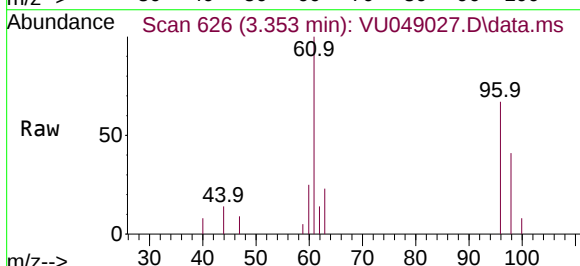
Tgt Ion: 96 Resp: 2852

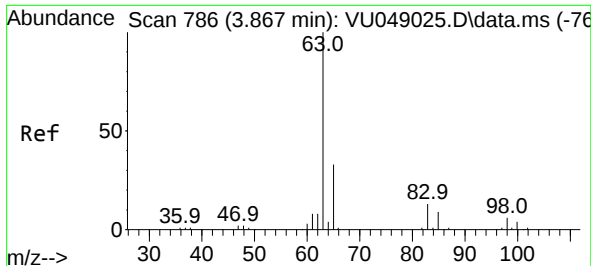
Ion Ratio Lower Upper

96 100

61 149.2 99.3 184.3

98 61.2 44.7 83.1





#19

1,1-Dichloroethane

Concen: 39.931 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

Instrument :

MSVOA\_U

ClientSampleId :

EXYT3

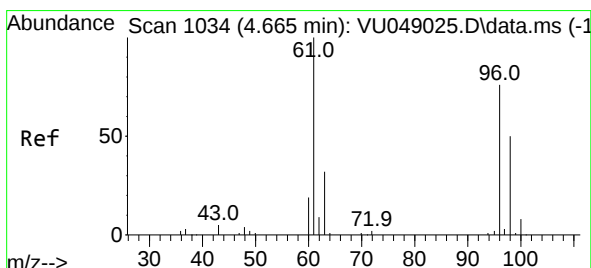
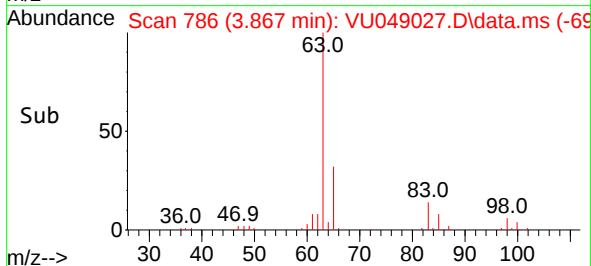
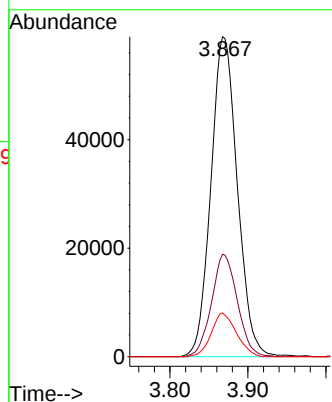
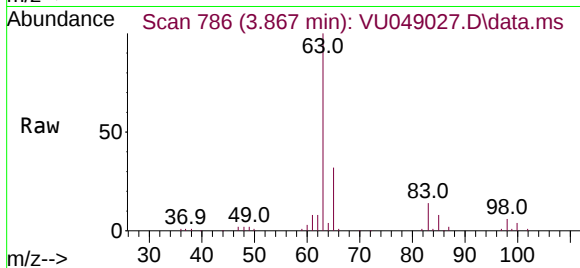
Tgt Ion: 63 Resp: 138960

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 52.235 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

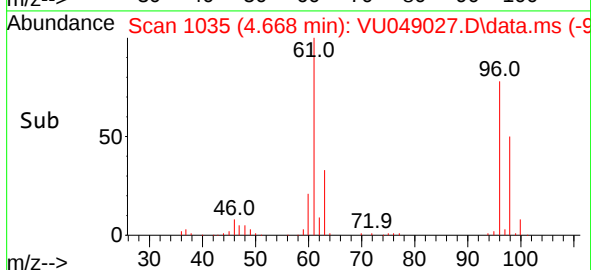
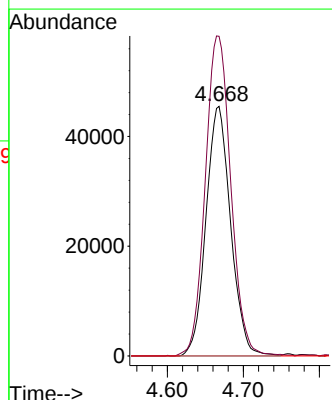
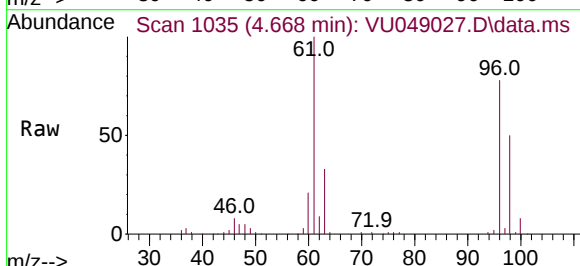
Tgt Ion: 96 Resp: 102655

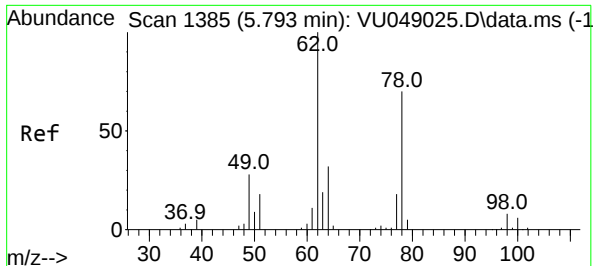
Ion Ratio Lower Upper

96 100

61 128.1 91.6 170.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.631 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

Instrument :

MSVOA\_U

ClientSampleId :

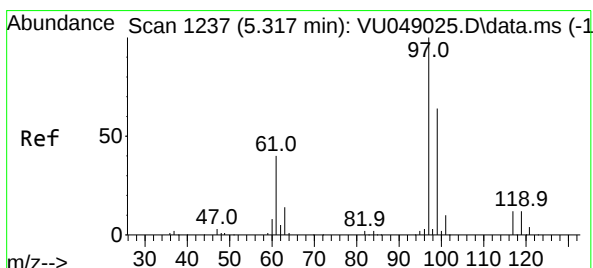
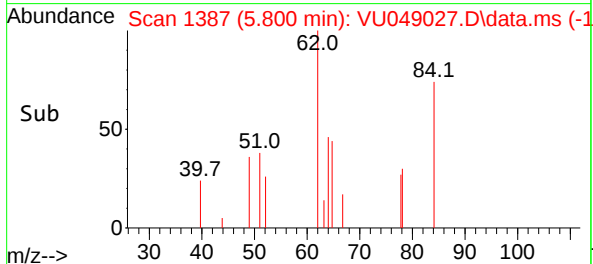
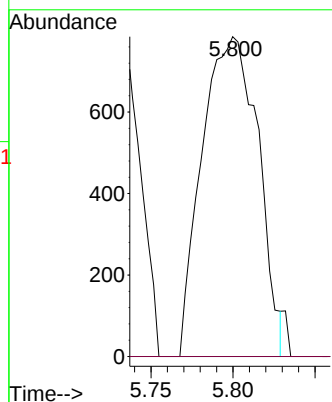
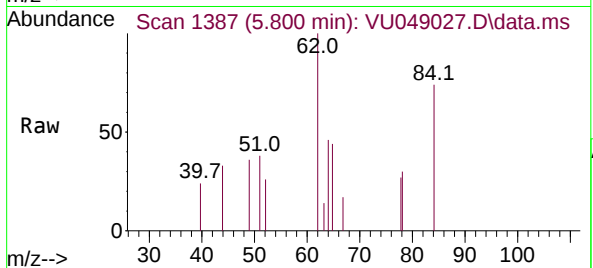
EXYT3

Tgt Ion: 62 Resp: 1863

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



#30

1,1,1-Trichloroethane

Concen: 14.191 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

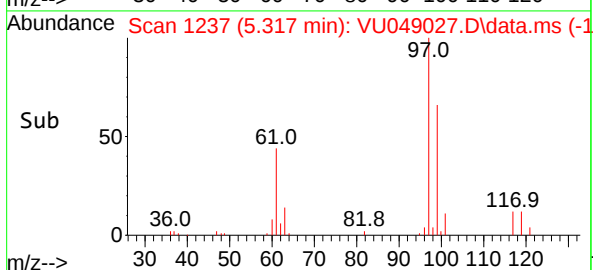
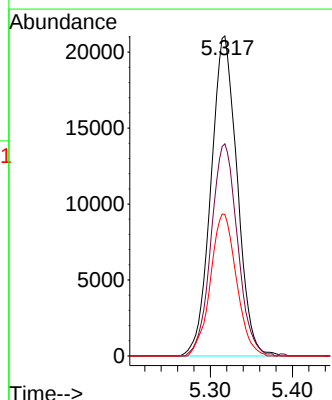
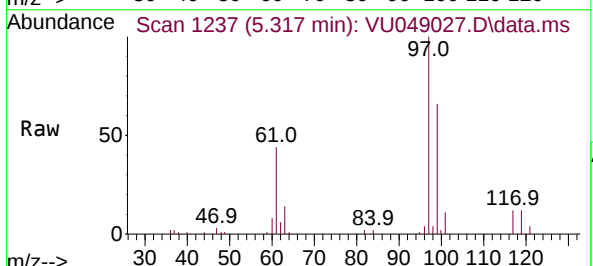
Tgt Ion: 97 Resp: 46799

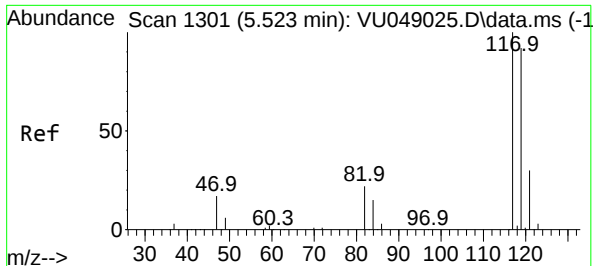
Ion Ratio Lower Upper

97 100

99 66.8 50.9 76.3

61 44.0 34.2 51.2

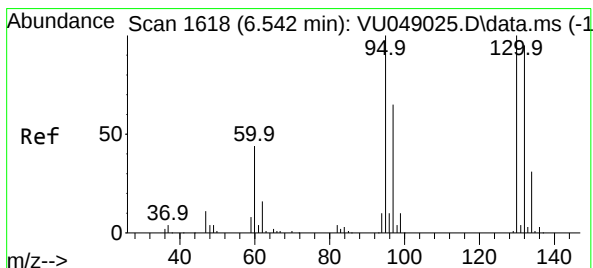
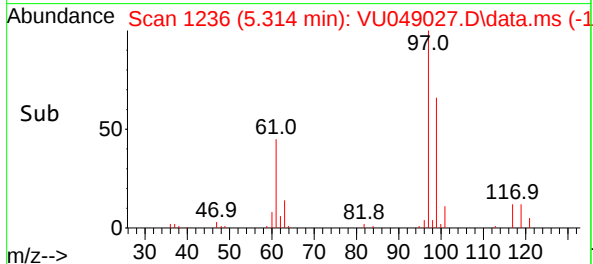
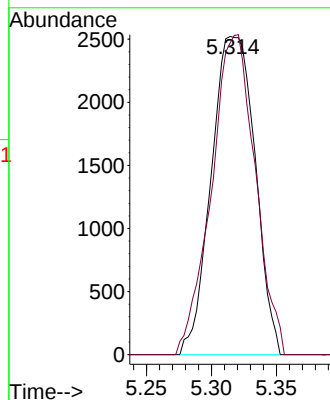
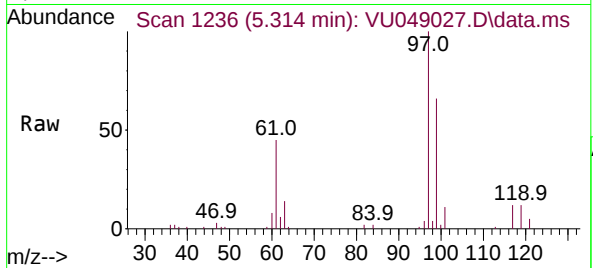




#31  
Carbon tetrachloride  
Concen: 2.047 ug/L  
RT: 5.314 min Scan# 11  
Delta R.T. -0.209 min  
Lab File: VU049027.D  
Acq: 11 Jun 2022 03:39

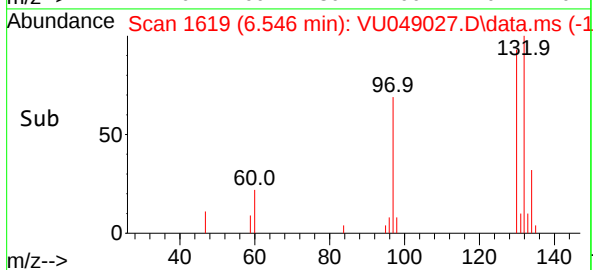
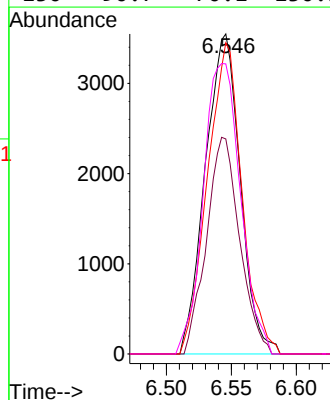
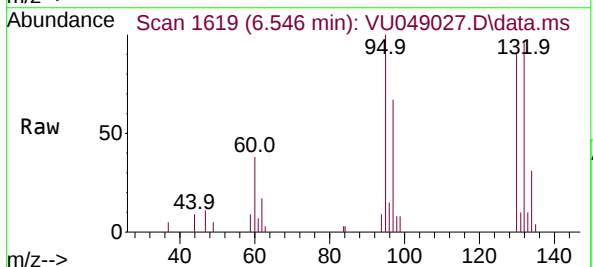
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYT3

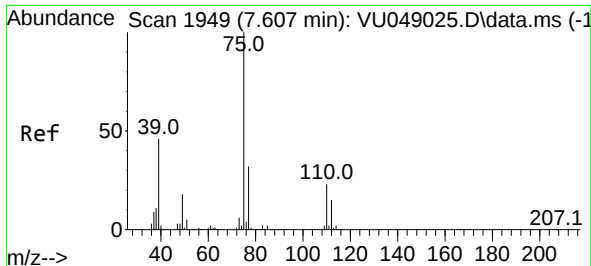
Tgt Ion:117 Resp: 5905  
Ion Ratio Lower Upper  
117 100  
119 100.4 76.5 114.7



#34  
Trichloroethene  
Concen: 3.437 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.003 min  
Lab File: VU049027.D  
Acq: 11 Jun 2022 03:39

Tgt Ion: 95 Resp: 6638  
Ion Ratio Lower Upper  
95 100  
97 67.2 45.4 84.4  
132 97.3 67.6 125.6  
130 90.7 70.1 130.3





#39

cis-1,3-Dichloropropene

Concen: 0.794 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

Instrument :

MSVOA\_U

ClientSampleId :

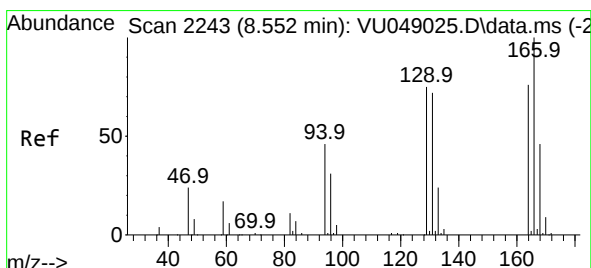
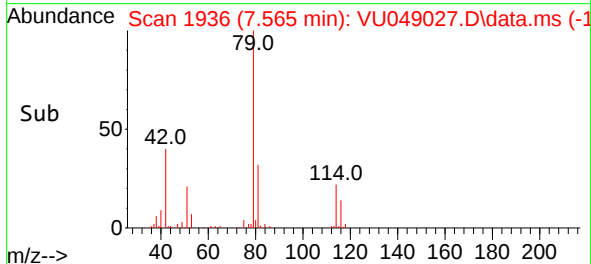
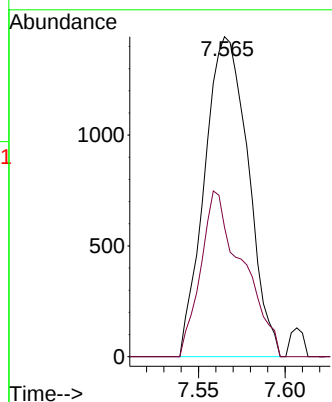
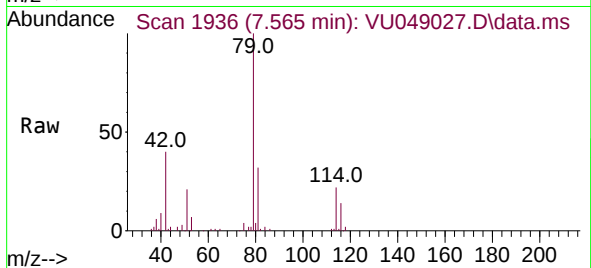
EXYT3

Tgt Ion: 75 Resp: 2523

Ion Ratio Lower Upper

75 100

77 40.4 22.6 42.0



#46

Tetrachloroethene

Concen: 1.734 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049027.D

Acq: 11 Jun 2022 03:39

Tgt Ion: 164 Resp: 2596

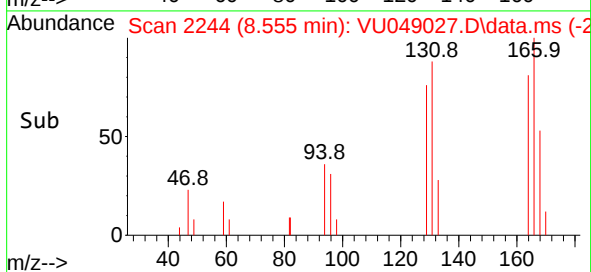
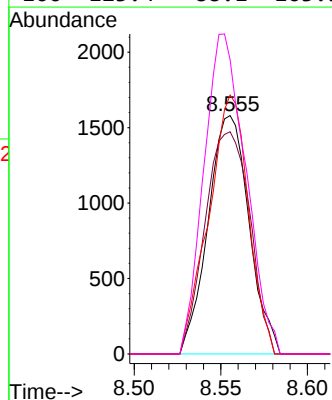
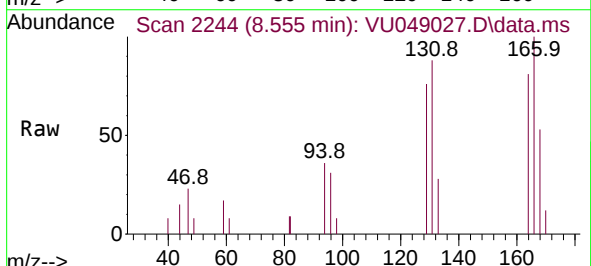
Ion Ratio Lower Upper

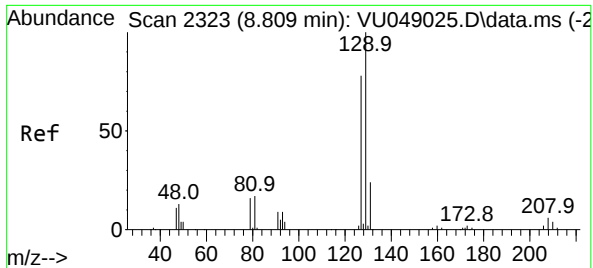
164 100

129 93.2 70.9 131.7

131 108.6 66.2 123.0

166 123.4 88.1 163.5





#49  
 Dibromochloromethane  
 Concen: 1.133 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. -0.254 min  
 Lab File: VU049027.D  
 Acq: 11 Jun 2022 03:39

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYT3

Tgt Ion:129 Resp: 2640  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 53.5 99.5#

