

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031525.D  
 Acq On : 15 Jun 2023 12:55  
 Operator : SY/MD  
 Sample : 03249-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS3

Quant Time: Jun 16 02:46:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 02:44:48 2023  
 Response via : Initial Calibration

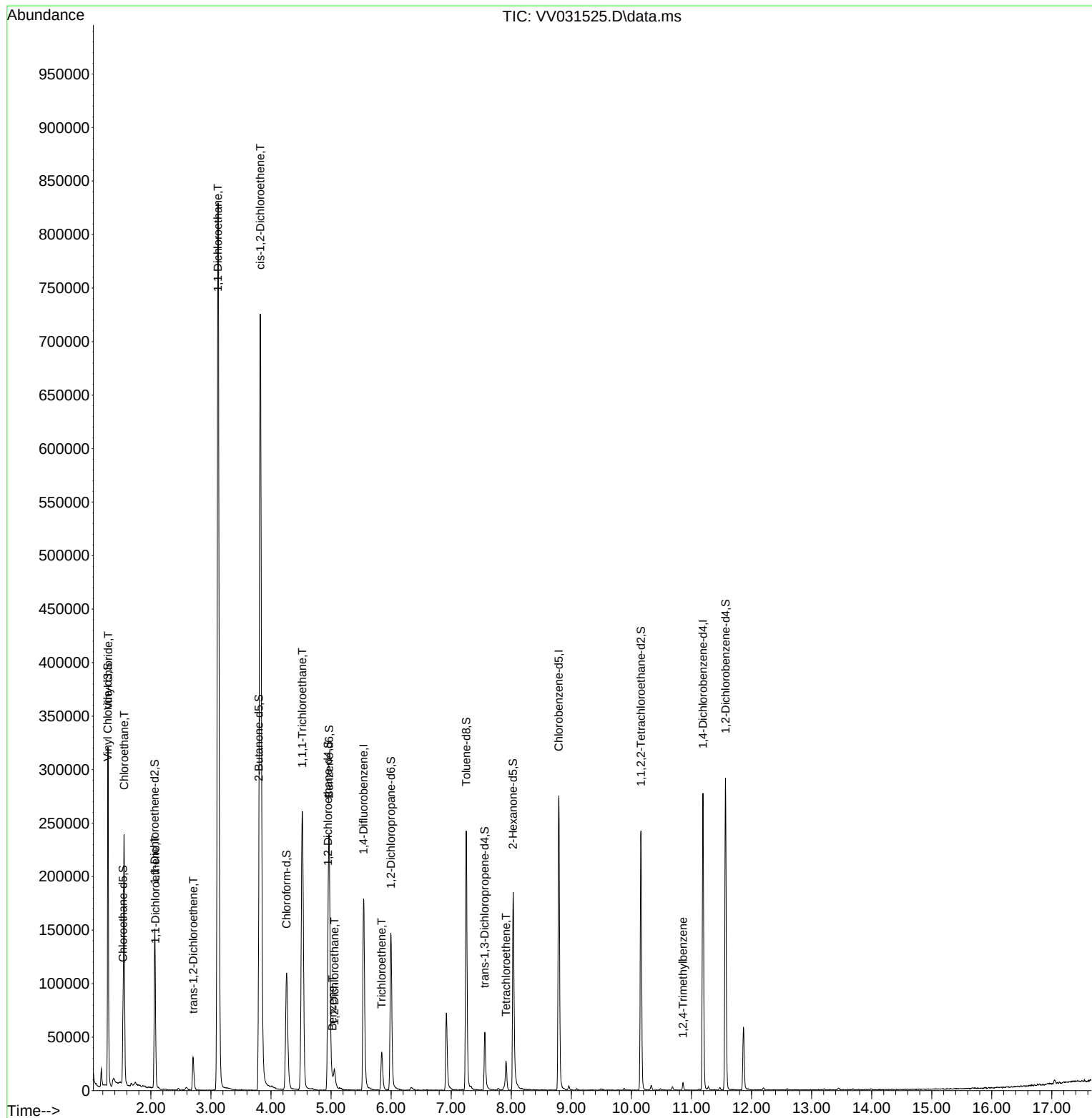
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 146072     | 50.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793          | 117  | 146681     | 50.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 69173      | 50.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 1.282          | 65   | 45849      | 47.162    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 94.320%   |        |          |
| 7) Chloroethane-d5            | 1.536          | 69   | 42651      | 50.282    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 100.560%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 23720      | 47.342    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.680%   |        |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 104710     | 133.019   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 133.020%# |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 120403     | 49.453    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.900%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 80297      | 52.712    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 105.420%  |        |          |
| 32) Benzene-d6                | 4.970          | 84   | 202699     | 49.095    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.180%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 74409      | 50.848    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 101.700%  |        |          |
| 41) Toluene-d8                | 7.249          | 98   | 164762     | 43.487    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.980%   |        |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 33729      | 47.281    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.560%   |        |          |
| 47) 2-Hexanone-d5             | 8.031          | 63   | 66879      | 115.751   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 115.750%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 116678     | 52.824    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 105.640%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 71113      | 53.932    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.860%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 5) Vinyl chloride             | 1.288          | 62   | 163077     | 112.521   | ug/L   | 100      |
| 8) Chloroethane               | 1.555          | 64   | 135158     | 144.389   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 6599       | 6.106     | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 2.706          | 96   | 10402      | 9.220     | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.118          | 63   | 849637     | 348.930   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.822          | 96   | 376696     | 308.960   | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.056          | 62   | 16181      | 8.283     | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 4.519          | 97   | 226175     | 96.174    | ug/L   | 100      |
| 33) Benzene                   | 5.024          | 78   | 7231       | 1.481     | ug/L   | 100      |
| 34) Trichloroethene           | 5.844          | 95   | 13858      | 10.619    | ug/L   | 82       |
| 46) Tetrachloroethene         | 7.912          | 164  | 5144       | 5.022     | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 10.860         | 105  | 3768       | 1.110     | ug/L   | 96       |
| -----                         |                |      |            |           |        |          |

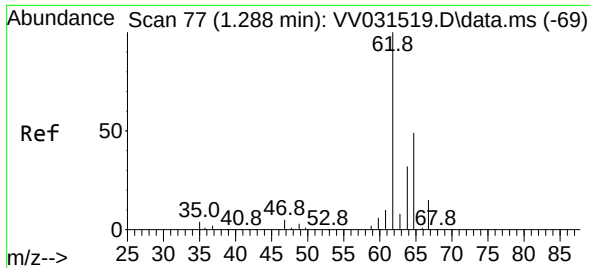
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061523\  
Data File : VV031525.D  
Acq On : 15 Jun 2023 12:55  
Operator : SY/MD  
Sample : 03249-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYS3

Quant Time: Jun 16 02:46:51 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 16 02:44:48 2023  
Response via : Initial Calibration

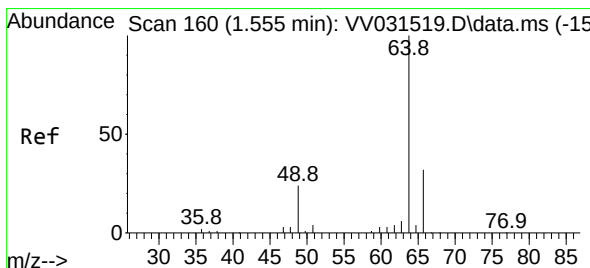
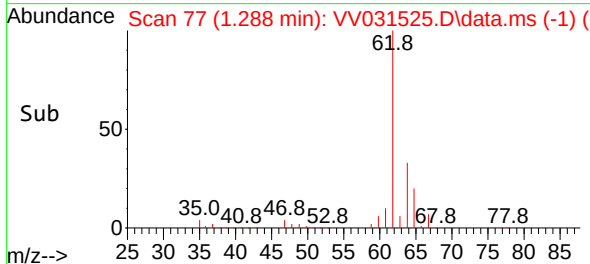
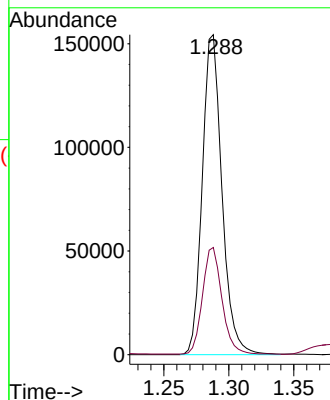
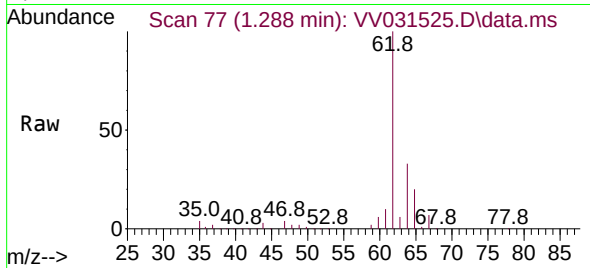




#5  
 Vinyl chloride  
 Concen: 112.521 ug/L  
 RT: 1.288 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VV031525.D  
 Acq: 15 Jun 2023 12:55

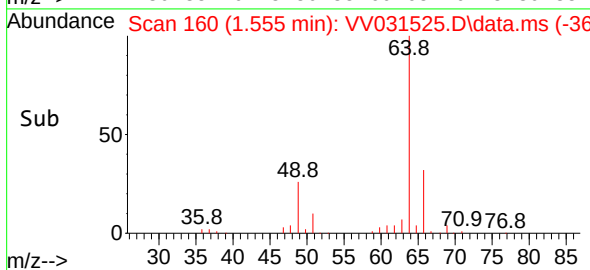
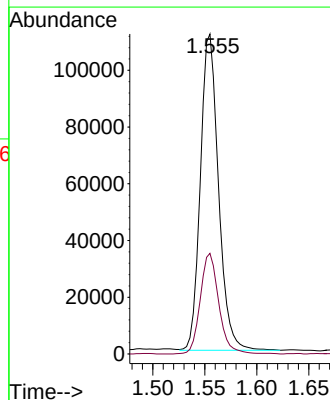
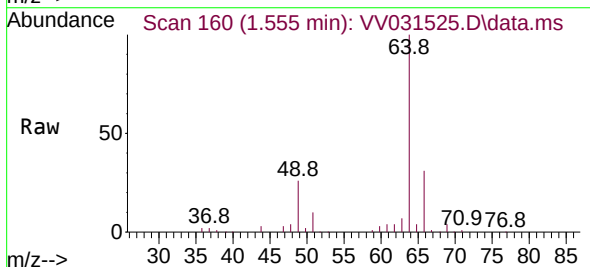
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS3

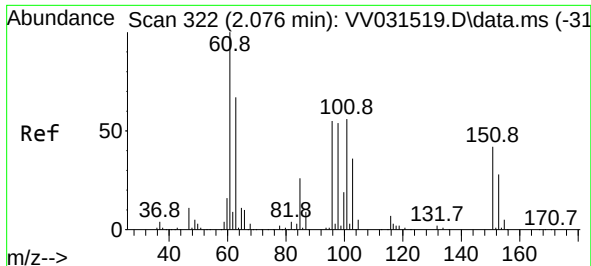
Tgt Ion: 62 Resp: 163077  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 23.4 43.4



#8  
 Chloroethane  
 Concen: 144.389 ug/L  
 RT: 1.555 min Scan# 160  
 Delta R.T. 0.000 min  
 Lab File: VV031525.D  
 Acq: 15 Jun 2023 12:55

Tgt Ion: 64 Resp: 135158  
 Ion Ratio Lower Upper  
 64 100  
 66 31.5 21.0 39.0





#12

1,1-Dichloroethene

Concen: 6.106 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA\_V

ClientSampleId :

EXYS3

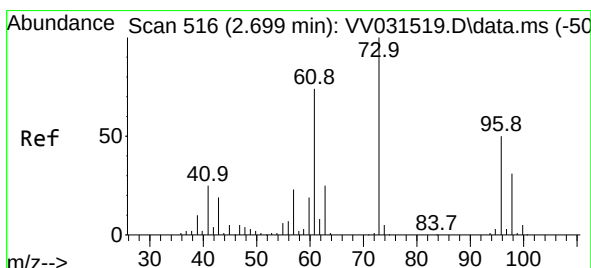
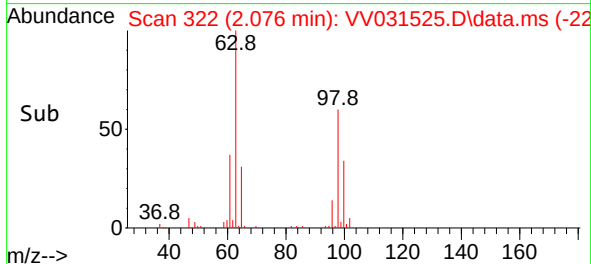
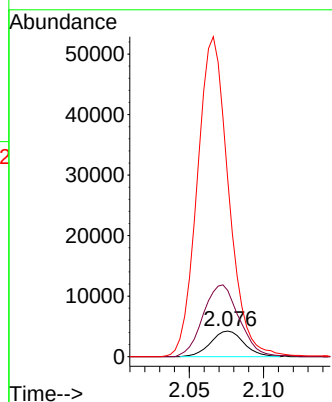
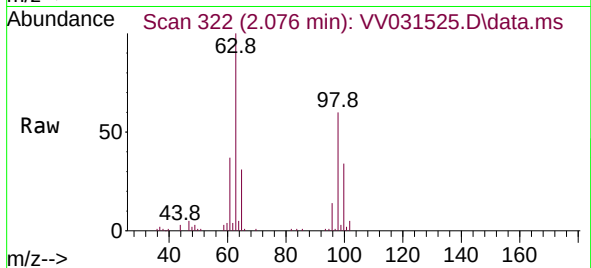
Tgt Ion: 96 Resp: 6599

Ion Ratio Lower Upper

96 100

61 259.1 128.9 239.5#

63 693.9 95.3 177.1#



#17

trans-1,2-Dichloroethene

Concen: 9.220 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.007 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

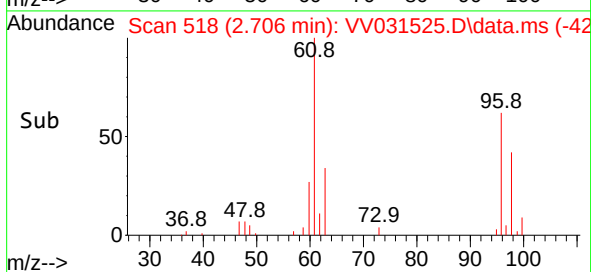
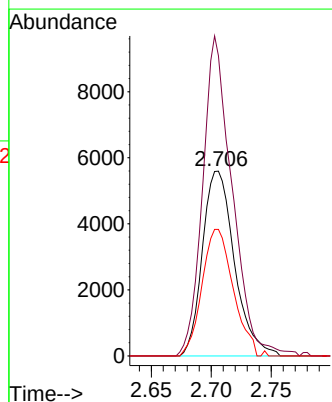
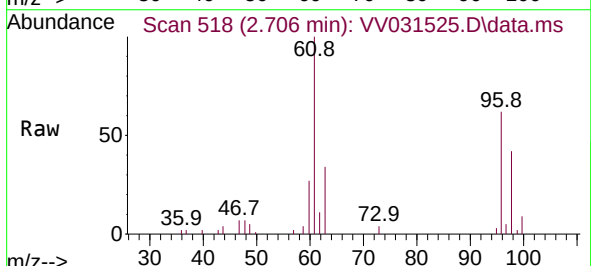
Tgt Ion: 96 Resp: 10402

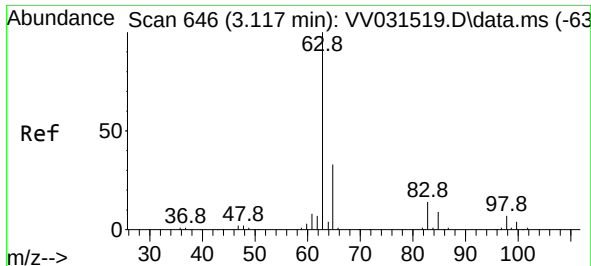
Ion Ratio Lower Upper

96 100

61 150.0 102.5 190.3

98 63.2 44.1 81.9





#19

1,1-Dichloroethane

Concen: 348.930 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA\_V

ClientSampleId :

EXYS3

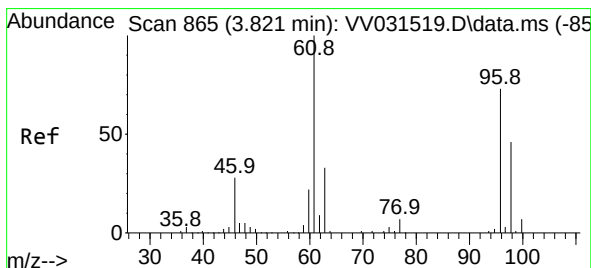
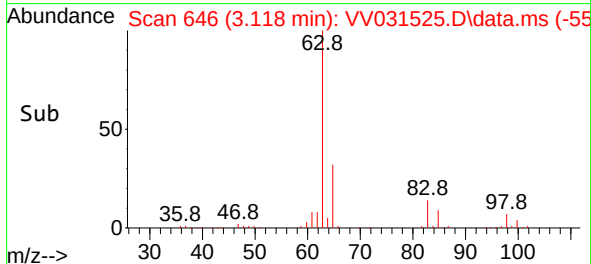
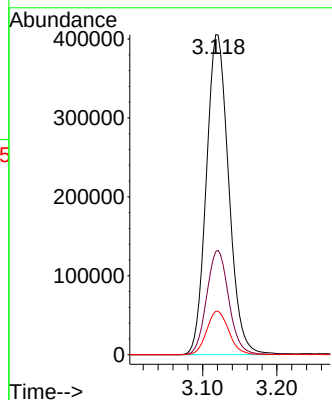
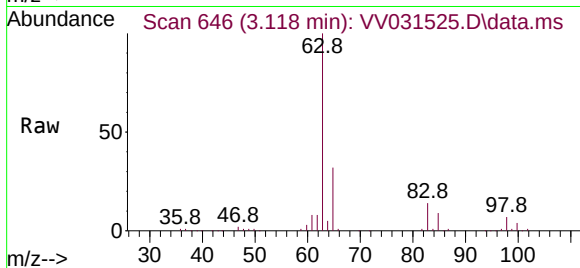
Tgt Ion: 63 Resp: 849637

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 13.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 308.960 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

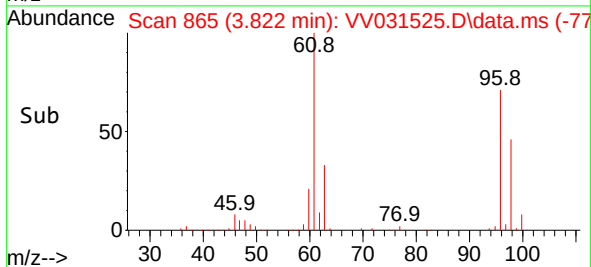
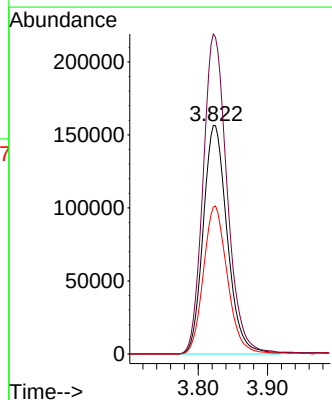
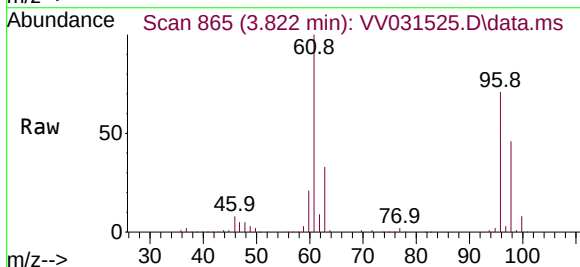
Tgt Ion: 96 Resp: 376696

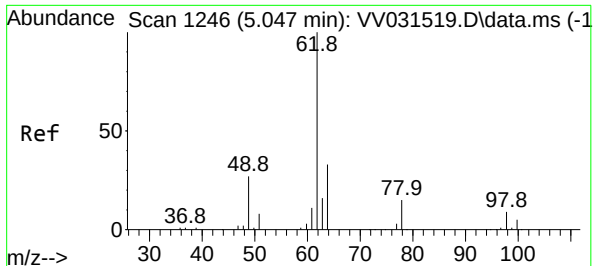
Ion Ratio Lower Upper

96 100

61 140.0 98.6 183.0

98 64.3 45.7 84.9





#27

1,2-Dichloroethane

Concen: 8.283 ug/L

RT: 5.056 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA\_V

ClientSampleId :

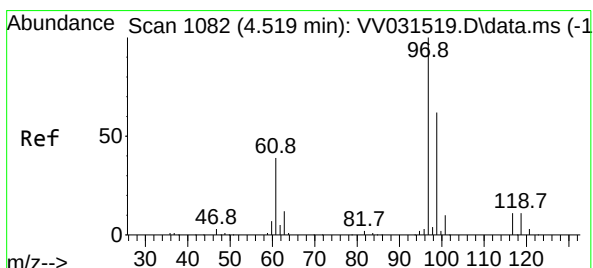
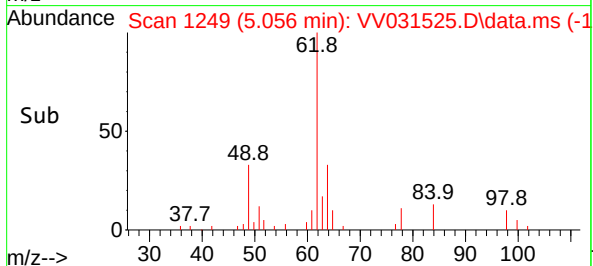
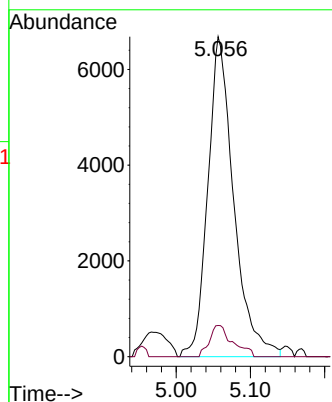
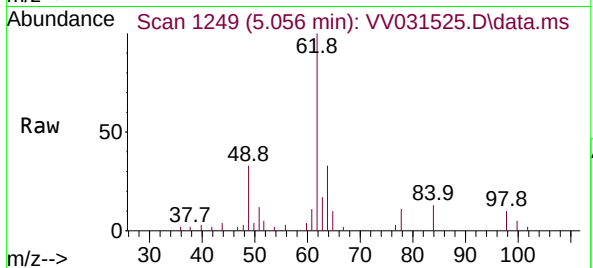
EXYS3

Tgt Ion: 62 Resp: 16181

Ion Ratio Lower Upper

62 100

98 9.7 6.6 9.8



#30

1,1,1-Trichloroethane

Concen: 96.174 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

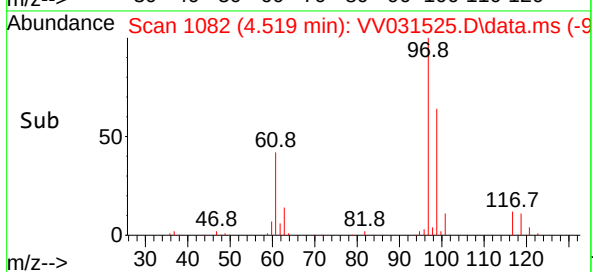
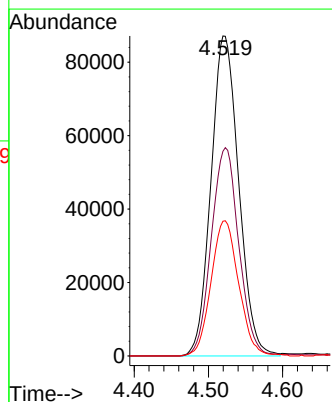
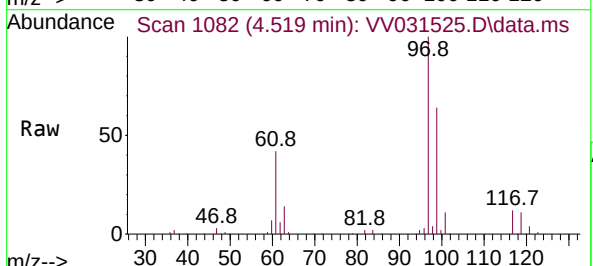
Tgt Ion: 97 Resp: 226175

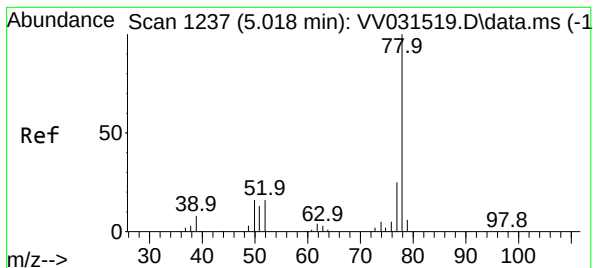
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 42.0 33.0 49.6





#33

Benzene

Concen: 1.481 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

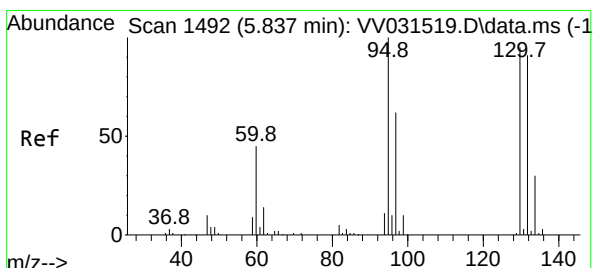
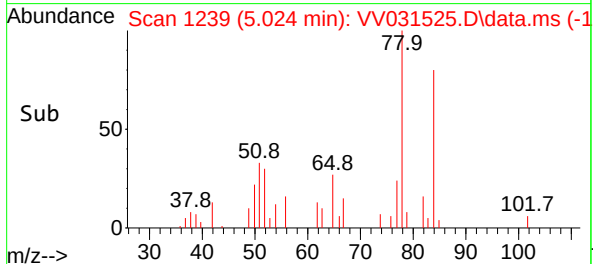
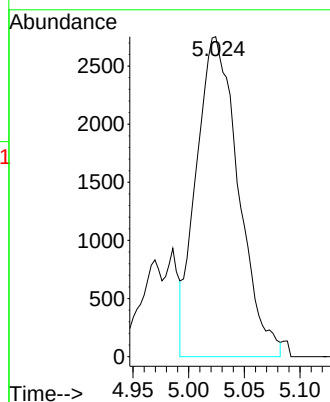
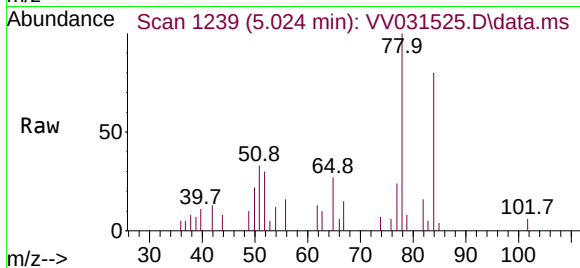
Instrument :

MSVOA\_V

ClientSampleId :

EXYS3

Tgt Ion: 78 Resp: 7231



#34

Trichloroethene

Concen: 10.619 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.007 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Tgt Ion: 95 Resp: 13858

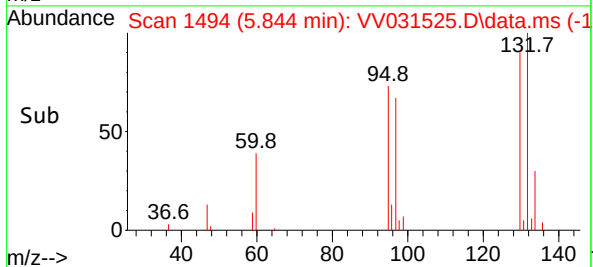
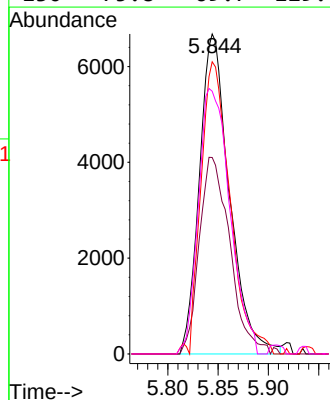
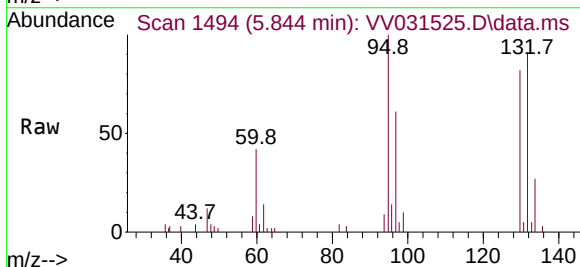
Ion Ratio Lower Upper

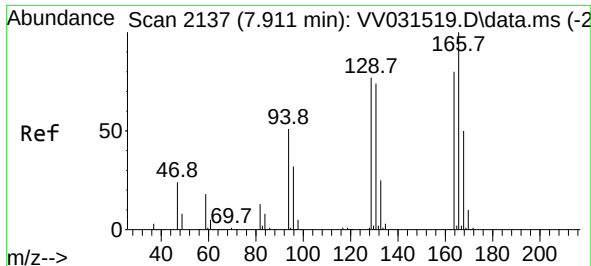
95 100

97 57.6 46.8 86.8

132 79.7 66.4 123.2

130 75.8 69.7 129.4

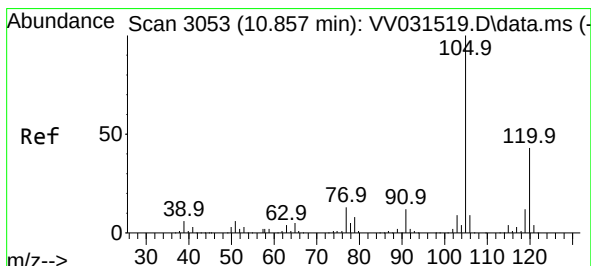
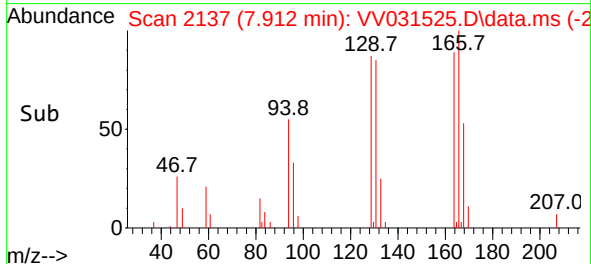
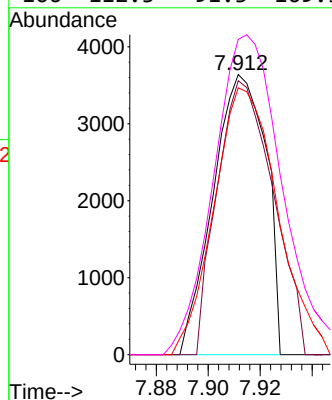
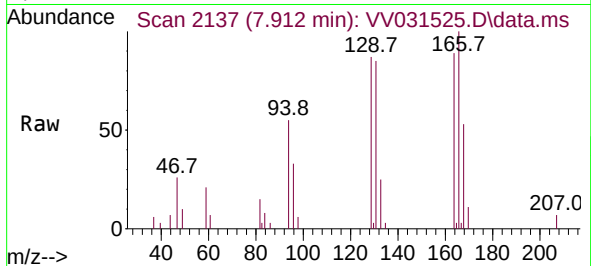




#46  
Tetrachloroethene  
Concen: 5.022 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VV031525.D  
Acq: 15 Jun 2023 12:55

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYS3

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 5144  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 98.6    | 68.4  | 127.0 |
| 131 | 92.5    | 67.6  | 125.6 |
| 166 | 112.3   | 91.3  | 169.5 |



#63  
1,2,4-Trimethylbenzene  
Concen: 1.110 ug/L  
RT: 10.860 min Scan# 3054  
Delta R.T. 0.003 min  
Lab File: VV031525.D  
Acq: 15 Jun 2023 12:55

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:105 | Resp: | 3768  |       |
| Ion         | Ratio | Lower | Upper |
| 105         | 100   |       |       |
| 120         | 39.4  | 33.4  | 50.2  |

