

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011323\  
 Data File : VW029857.D  
 Acq On : 14 Jan 2023 14:48  
 Operator : SY/MD  
 Sample : 01138-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W6

Quant Time: Jan 16 01:42:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 22:05:54 2023  
 Response via : Initial Calibration

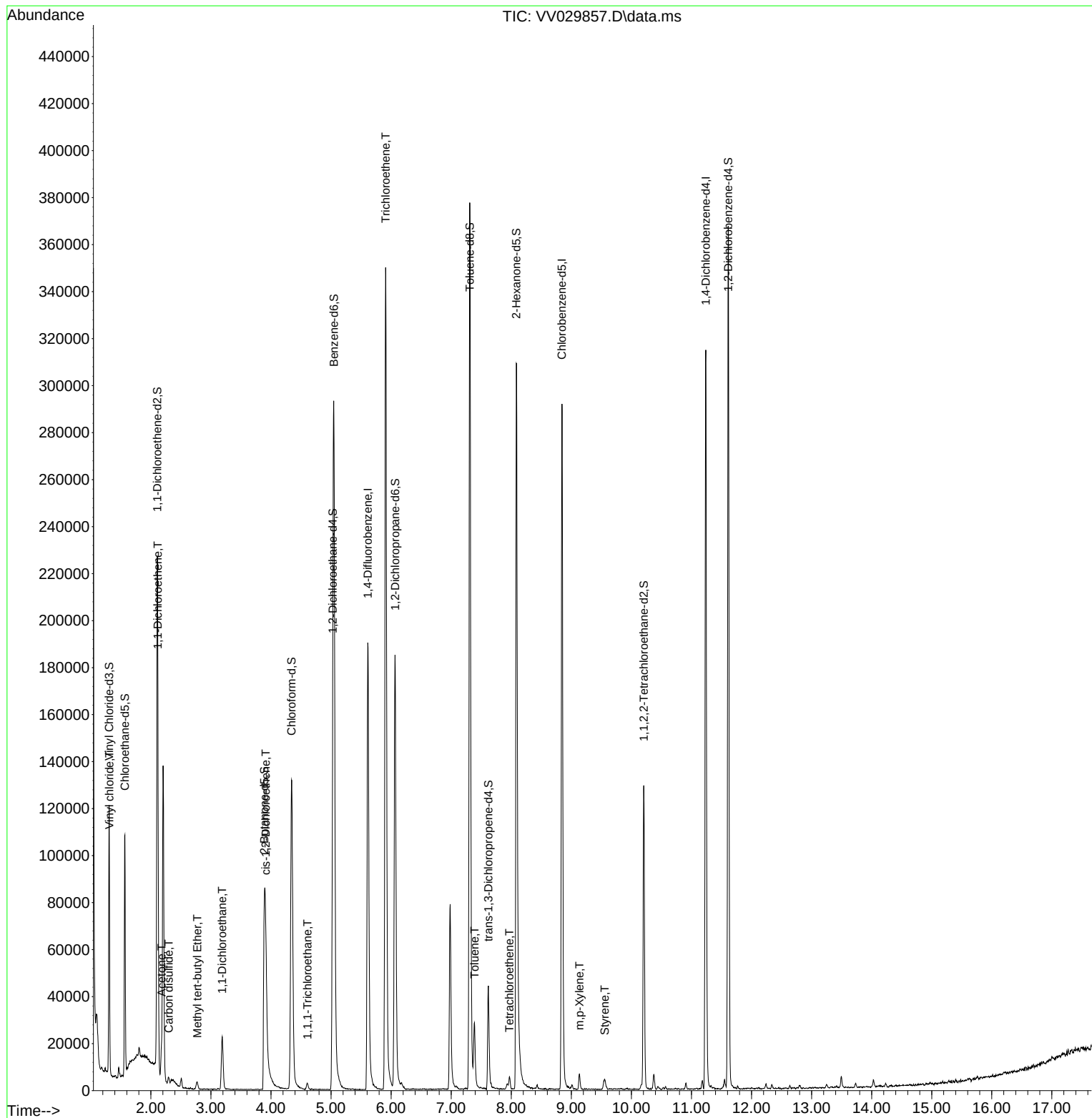
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 179998   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 174965   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 89746    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 68061    | 4.985    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.800%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 64572    | 5.706    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 114.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 104245   | 4.188    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.800%   |
| 20) 2-Butanone-d5             | 3.889  | 46    | 132271   | 54.661   | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.320%  |
| 24) Chloroform-d              | 4.342  | 84    | 147096   | 5.873    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 117.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 65075    | 6.135    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 122.800%  |
| 32) Benzene-d6                | 5.047  | 84    | 297810   | 5.738    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 114.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 98879    | 6.510    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 130.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 267146   | 5.560    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.200%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 27543    | 4.965    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.200%   |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 122652   | 54.309   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 66032    | 5.932    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 118.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 101512   | 6.221    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 124.400%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 5) Vinyl chloride             | 1.310  | 62    | 3756     | 0.217    | ug/L # | 61        |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 19630    | 1.277    | ug/L # | 8         |
| 13) Acetone                   | 2.178  | 43    | 19854    | 11.495   | ug/L   | 79        |
| 14) Carbon disulfide          | 2.297  | 76    | 4654     | 0.105    | ug/L   | 99        |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 2724     | 0.103    | ug/L # | 92        |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 23100    | 0.966    | ug/L   | 99        |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 20207    | 1.327    | ug/L   | 93        |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97    | 2288     | 0.101    | ug/L   | 97        |
| 34) Trichloroethene           | 5.908  | 95    | 131580   | 8.975    | ug/L   | 97        |
| 42) Toluene                   | 7.387  | 91    | 22350    | 0.358    | ug/L   | 99        |
| 47) Tetrachloroethene         | 7.969  | 164   | 1383     | 0.112    | ug/L   | 74        |
| 53) m,p-Xylene                | 9.136  | 106   | 2286     | 0.088    | ug/L   | 87        |
| 55) Styrene                   | 9.558  | 104   | 2415     | 0.057    | ug/L   | 95        |
| -----                         |        |       |          |          |        |           |

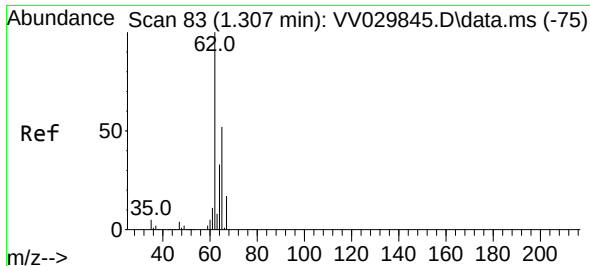
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011323\  
Data File : VV029857.D  
Acq On : 14 Jan 2023 14:48  
Operator : SY/MD  
Sample : 01138-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

Quant Time: Jan 16 01:42:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
Response via : Initial Calibration

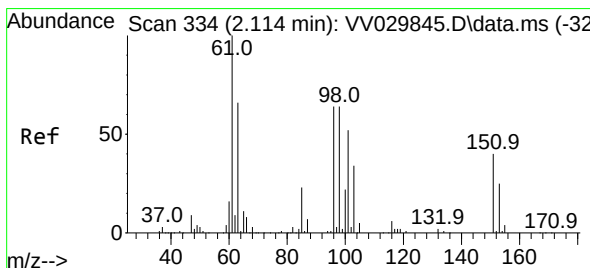
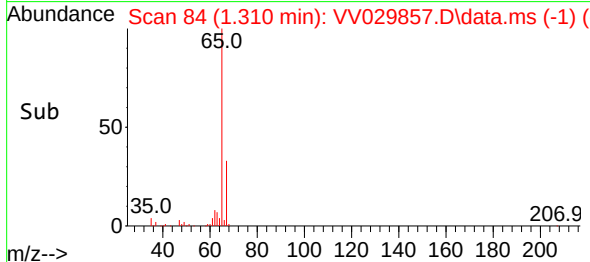
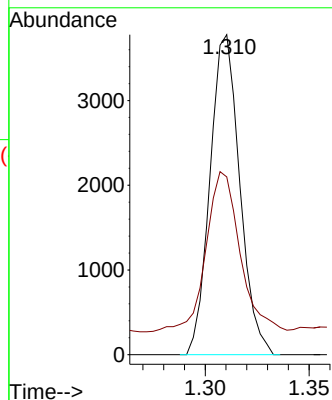
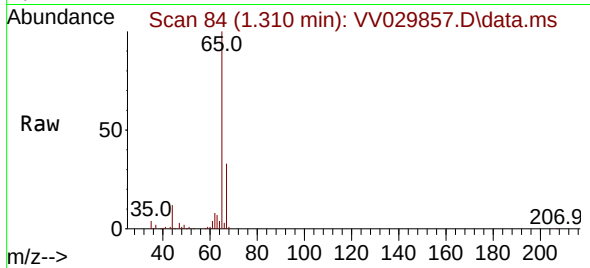




#5  
 Vinyl chloride  
 Concen: 0.217 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.006 min  
 Lab File: VV029857.D  
 Acq: 14 Jan 2023 14:48

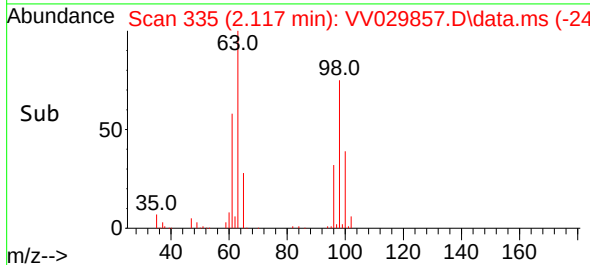
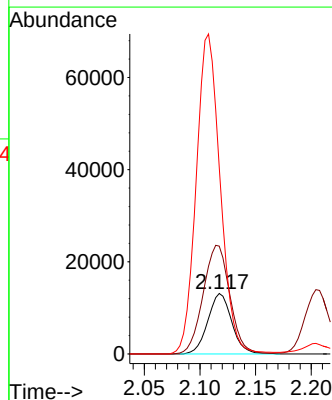
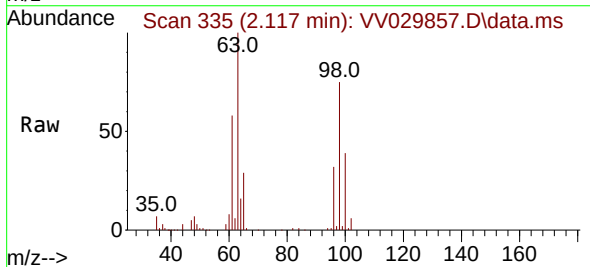
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W6

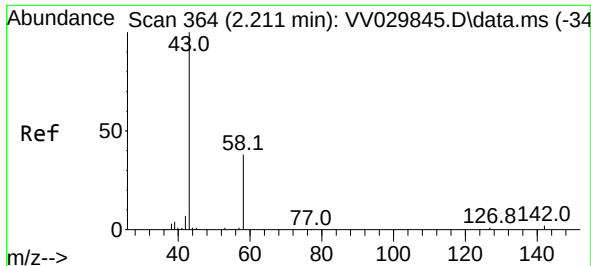
Tgt Ion: 62 Resp: 3756  
 Ion Ratio Lower Upper  
 62 100  
 64 55.6 23.2 43.2#



#12  
 1,1-Dichloroethene  
 Concen: 1.277 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. 0.006 min  
 Lab File: VV029857.D  
 Acq: 14 Jan 2023 14:48

Tgt Ion: 96 Resp: 19630  
 Ion Ratio Lower Upper  
 96 100  
 61 178.3 106.1 197.1  
 63 308.8 76.4 141.8#





#13

Acetone

Concen: 11.495 ug/L

RT: 2.178 min Scan# 3

Delta R.T. -0.019 min

Lab File: VV029857.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA\_V

ClientSampleId :

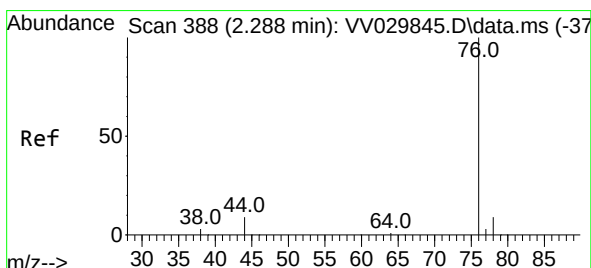
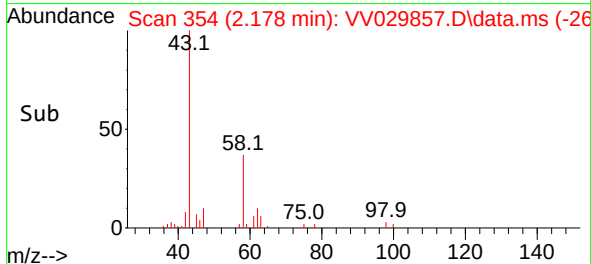
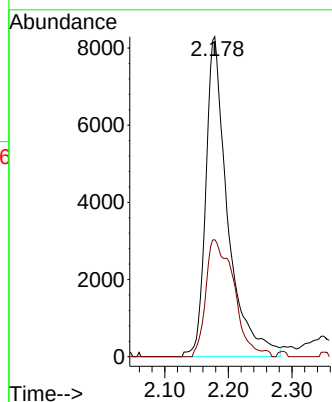
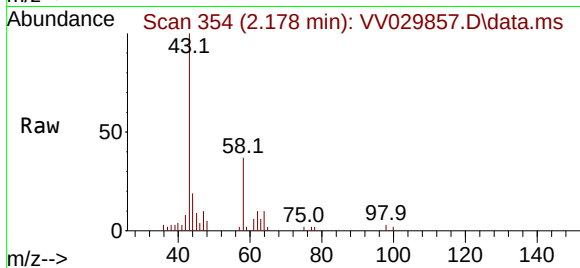
BH1W6

Tgt Ion: 43 Resp: 19854

Ion Ratio Lower Upper

43 100

58 46.4 0.0 68.8



#14

Carbon disulfide

Concen: 0.105 ug/L

RT: 2.297 min Scan# 391

Delta R.T. 0.013 min

Lab File: VV029857.D

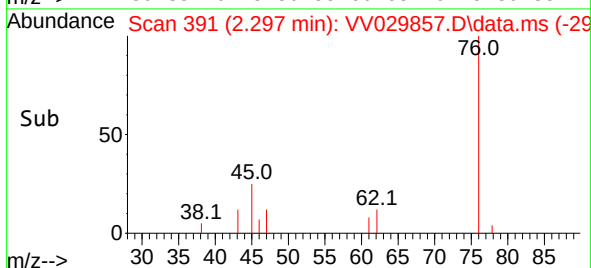
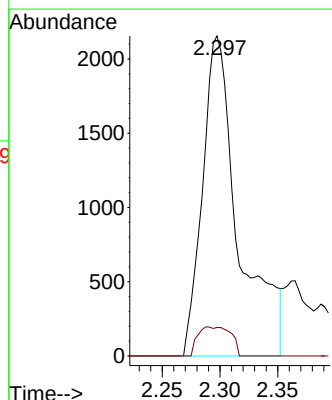
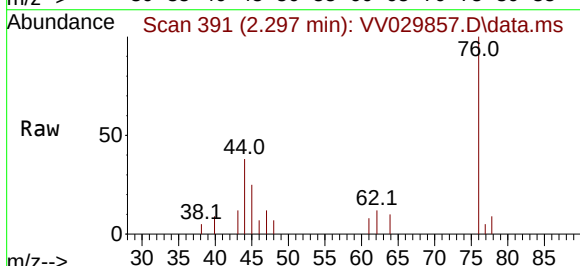
Acq: 14 Jan 2023 14:48

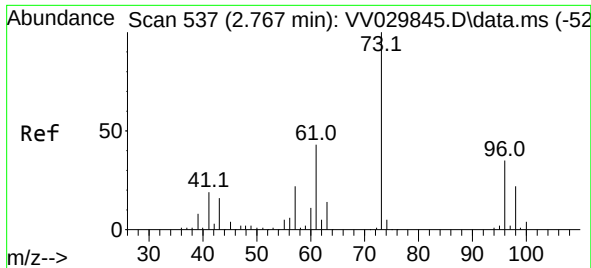
Tgt Ion: 76 Resp: 4654

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

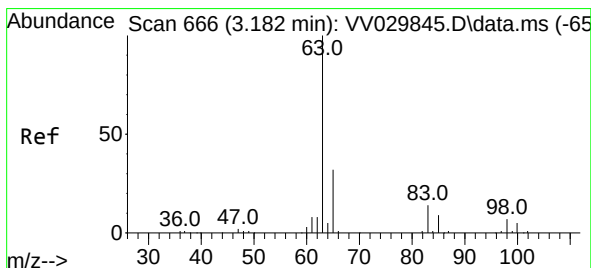
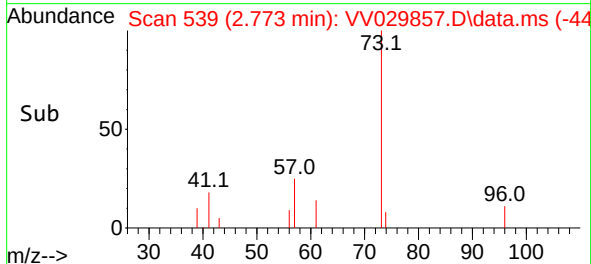
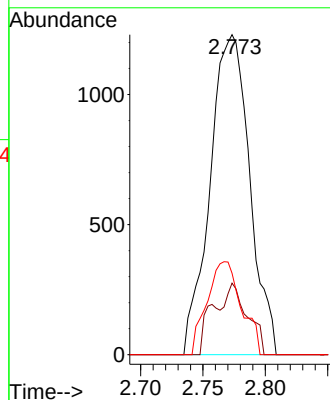
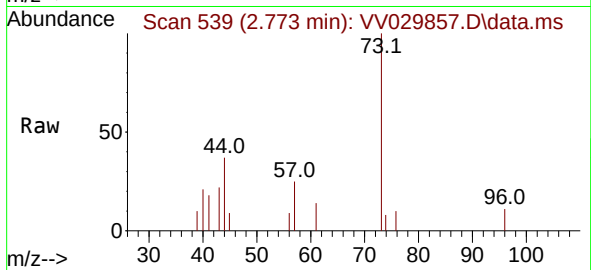




#17  
Methyl tert-butyl Ether  
Concen: 0.103 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VV029857.D  
Acq: 14 Jan 2023 14:48

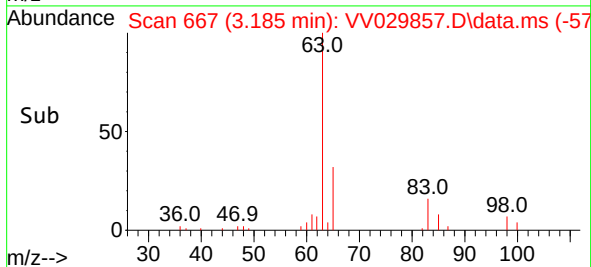
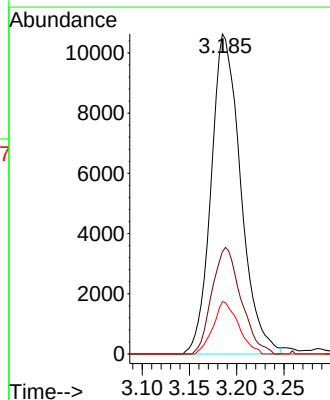
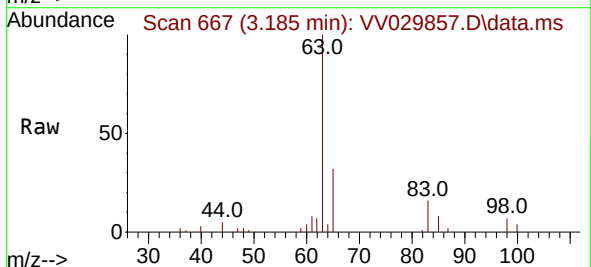
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

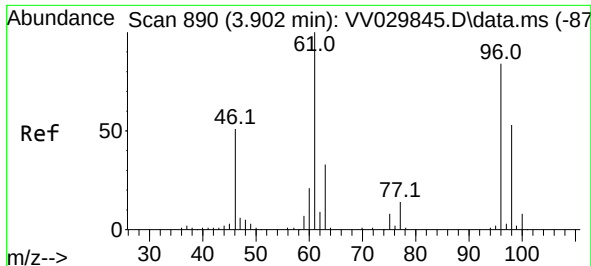
Tgt Ion: 73 Resp: 2724  
Ion Ratio Lower Upper  
73 100  
43 12.8 13.0 19.4#  
57 25.2 17.1 25.7



#19  
1,1-Dichloroethane  
Concen: 0.966 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. 0.006 min  
Lab File: VV029857.D  
Acq: 14 Jan 2023 14:48

Tgt Ion: 63 Resp: 23100  
Ion Ratio Lower Upper  
63 100  
65 32.0 22.4 41.6  
83 16.4 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 1.327 ug/L

RT: 3.912 min Scan# 890

Delta R.T. 0.013 min

Lab File: VV029857.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA\_V

ClientSampleId :

BH1W6

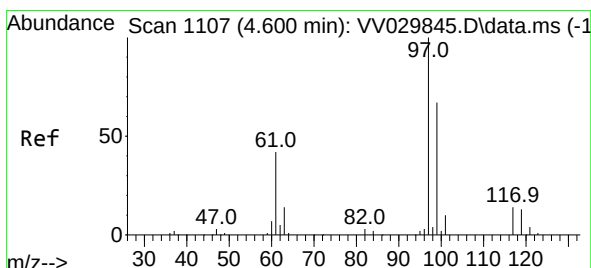
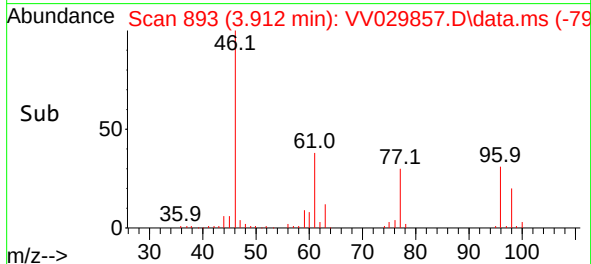
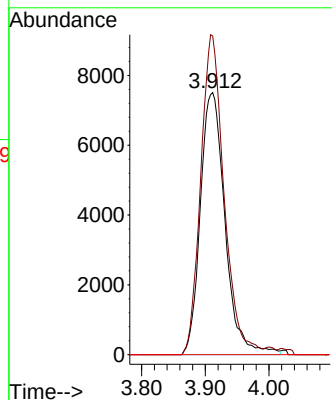
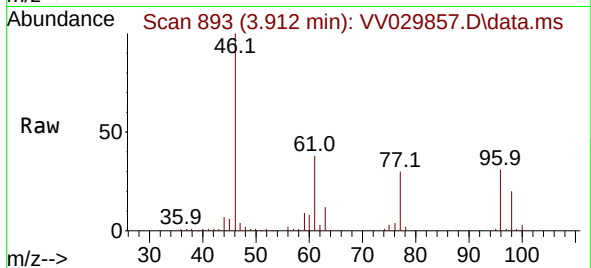
Tgt Ion: 96 Resp: 20207

Ion Ratio Lower Upper

96 100

61 121.6 80.0 148.6

68 0.0 0.0 0.0



#29

1,1,1-Trichloroethane

Concen: 0.101 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.013 min

Lab File: VV029857.D

Acq: 14 Jan 2023 14:48

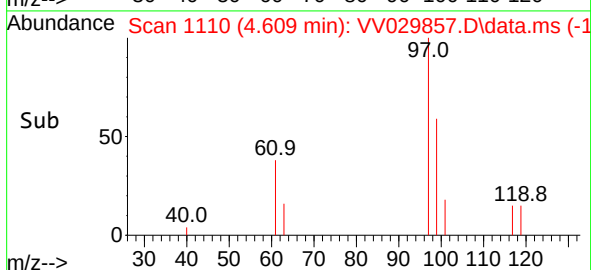
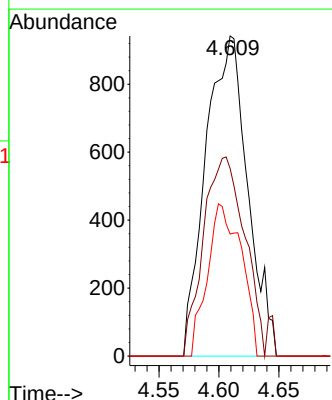
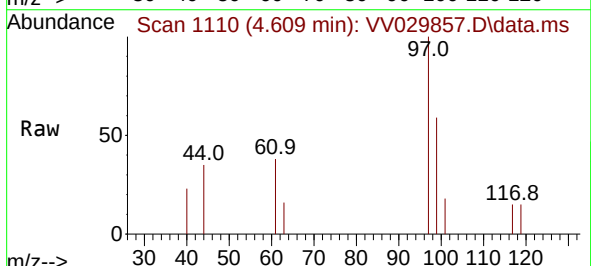
Tgt Ion: 97 Resp: 2288

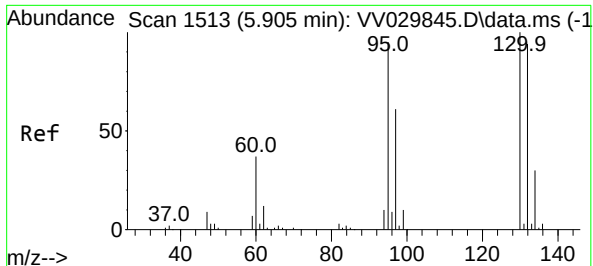
Ion Ratio Lower Upper

97 100

99 61.2 51.3 76.9

61 38.5 31.6 47.4





#34

Trichloroethene

Concen: 8.975 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029857.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA\_V

ClientSampleId :

BH1W6

Tgt Ion: 95 Resp: 131580

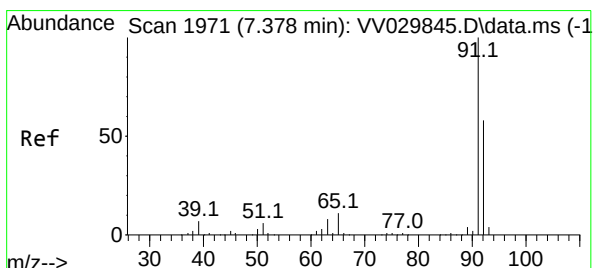
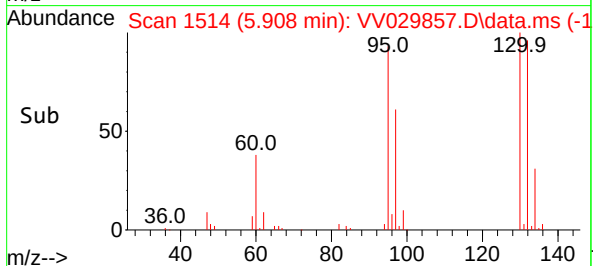
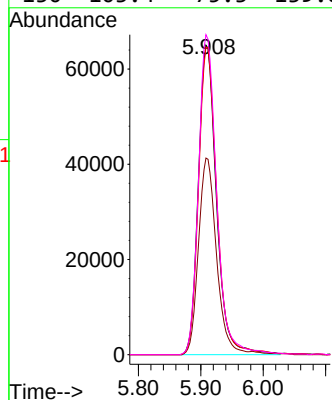
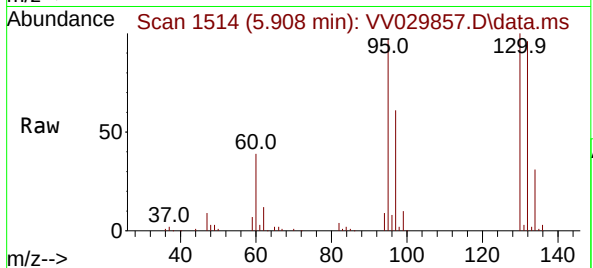
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 99.4 71.8 133.4

130 103.4 75.3 139.8



#42

Toluene

Concen: 0.358 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.009 min

Lab File: VV029857.D

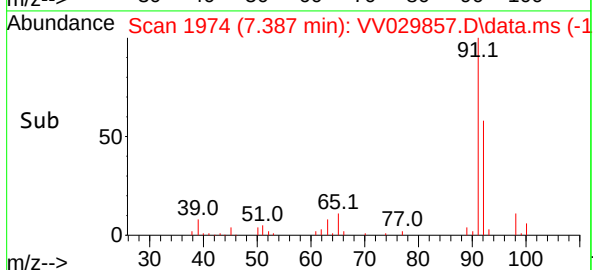
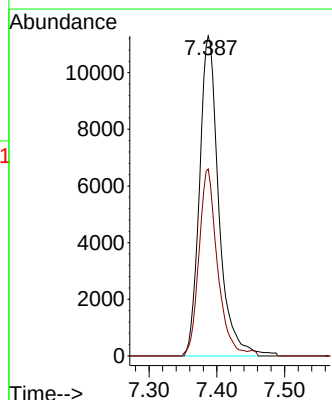
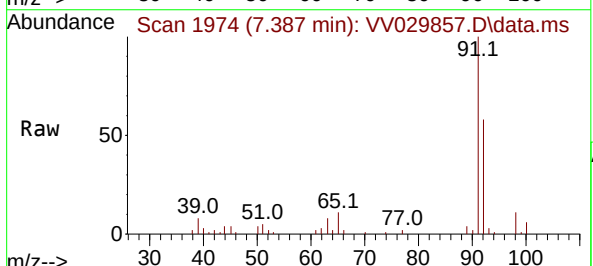
Acq: 14 Jan 2023 14:48

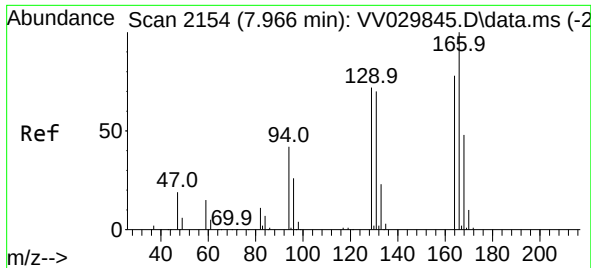
Tgt Ion: 91 Resp: 22350

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4





#47

Tetrachloroethene

Concen: 0.112 ug/L

RT: 7.969 min Scan# 2154

Delta R.T. 0.003 min

Lab File: VV029857.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA\_V

ClientSampleId :

BH1W6

Tgt Ion:164 Resp: 1383

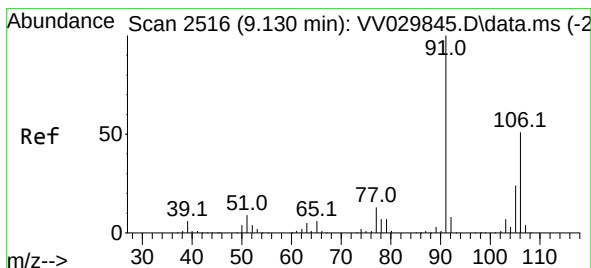
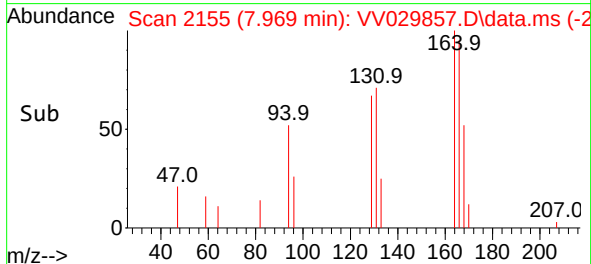
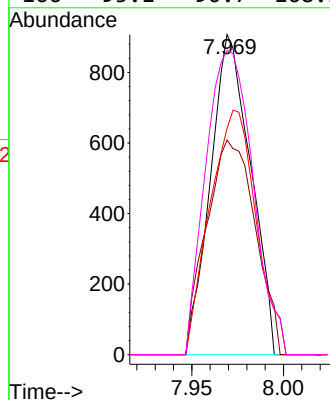
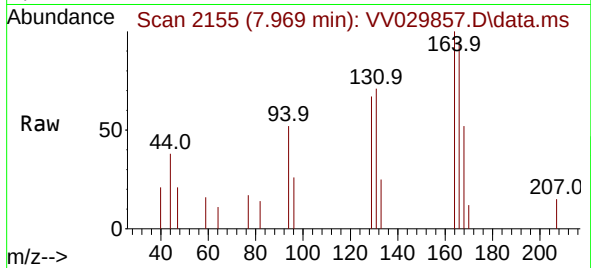
Ion Ratio Lower Upper

164 100

129 67.0 64.5 119.7

131 70.8 62.9 116.7

166 95.1 90.7 168.5



#53

m,p-Xylene

Concen: 0.088 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.006 min

Lab File: VV029857.D

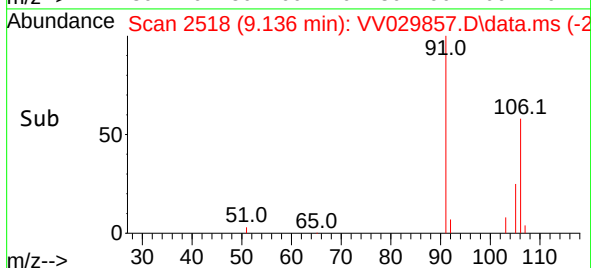
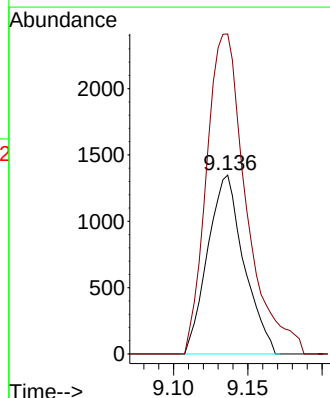
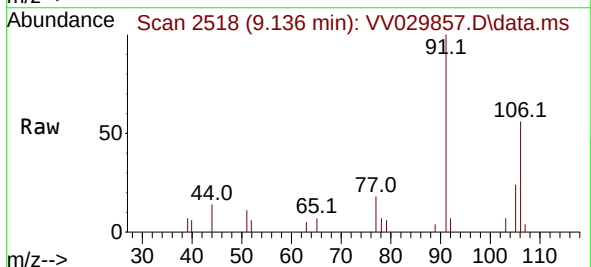
Acq: 14 Jan 2023 14:48

Tgt Ion:106 Resp: 2286

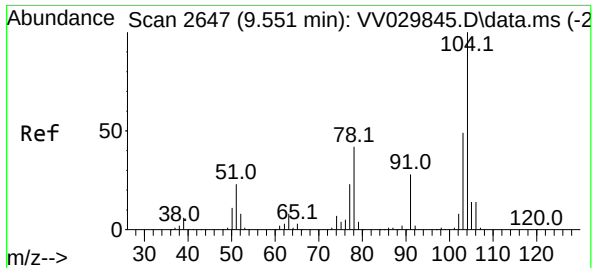
Ion Ratio Lower Upper

106 100

91 178.9 138.7 257.7







#55  
 Styrene  
 Concen: 0.057 ug/L  
 RT: 9.558 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VV029857.D  
 Acq: 14 Jan 2023 14:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W6

Tgt Ion:104 Resp: 2415  
 Ion Ratio Lower Upper  
 104 100  
 78 44.2 28.6 53.2

