

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121821\  
 Data File : VW021462.D  
 Acq On : 18 Dec 2021 08:05  
 Operator : SY/VA  
 Sample : M5102-03RE  
 Misc : 5.72g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGL46RE

Quant Time: Dec 18 23:10:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 18 00:55:20 2021  
 Response via : Initial Calibration

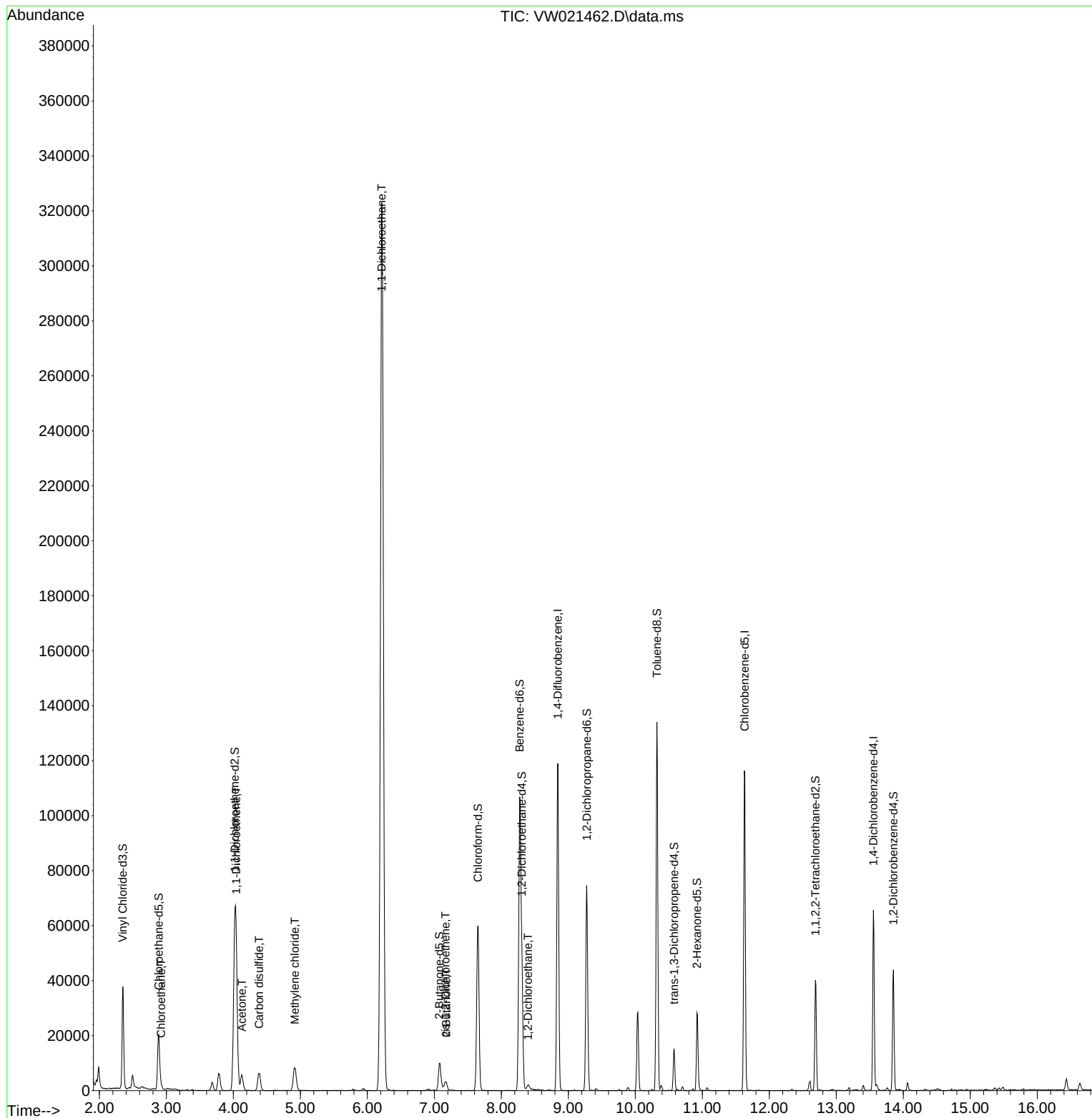
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 101519   | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 66410    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 16783    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 36013    | 19.478   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.920%   |
| 7) Chloroethane-d5            | 2.885  | 69    | 24175    | 19.779   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.120%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 51073    | 20.720   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.880%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 17439    | 66.912   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 133.820%  |
| 24) Chloroform-d              | 7.653  | 84    | 61156    | 21.617   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 86.480%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 34603    | 22.994   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.960%   |
| 32) Benzene-d6                | 8.275  | 84    | 108613   | 29.837   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 119.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 31347    | 32.110   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 128.440%# |
| 41) Toluene-d8                | 10.323 | 98    | 88512    | 23.798   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.200%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 8315     | 18.498   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.000%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 9672     | 66.999   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 134.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 18452    | 21.987   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.960%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 11957    | 18.383   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 73.520%#  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 8) Chloroethane               | 2.922  | 64    | 1893     | 2.016    | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 23714    | 18.845   | ug/L   | 79        |
| 13) Acetone                   | 4.129  | 43    | 9847     | 42.145   | ug/L   | 94        |
| 14) Carbon disulfide          | 4.385  | 76    | 14435    | 4.442    | ug/L   | 99        |
| 16) Methylene chloride        | 4.915  | 84    | 6900     | 4.113    | ug/L   | 79        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 452240   | 211.520  | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 1551     | 1.079    | ug/L   | 79        |
| 22) 2-Butanone                | 7.177  | 43    | 1661     | 5.444    | ug/L   | 93        |
| 27) 1,2-Dichloroethane        | 8.397  | 62    | 1375     | 0.875    | ug/L   | # 77      |
| -----                         |        |       |          |          |        |           |

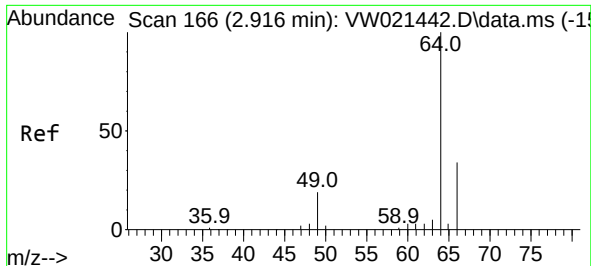
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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Quant Title : SFAM01.0  
QLast Update : Sat Dec 18 00:55:20 2021  
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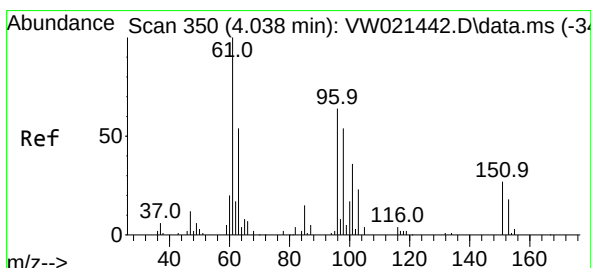
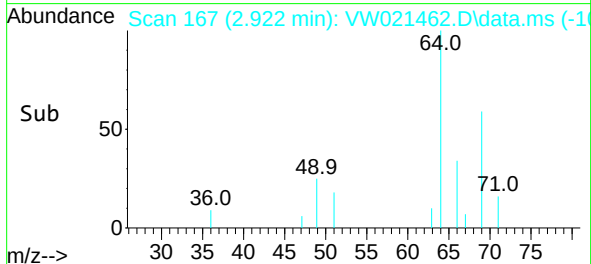
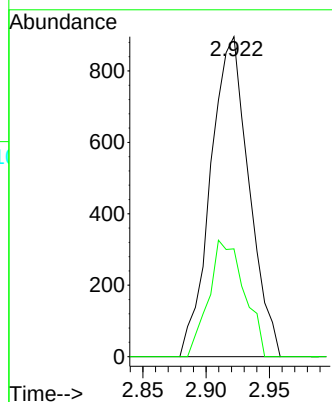
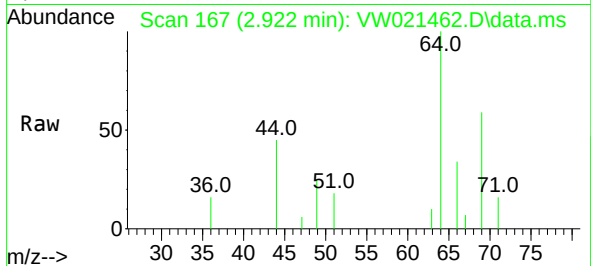




#8  
Chloroethane  
Concen: 2.016 ug/L  
RT: 2.922 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW021462.D  
Acq: 18 Dec 2021 08:05

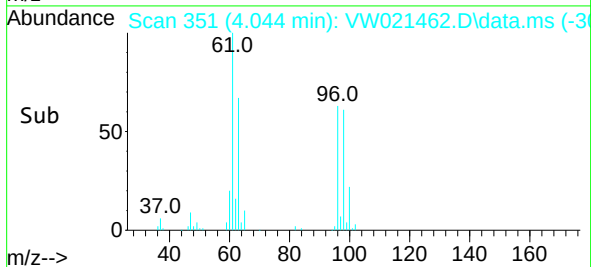
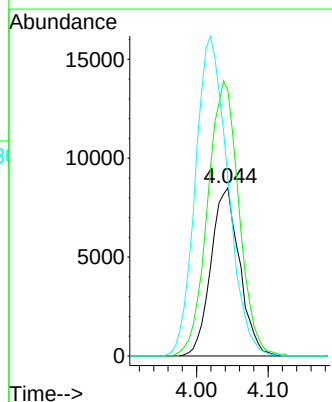
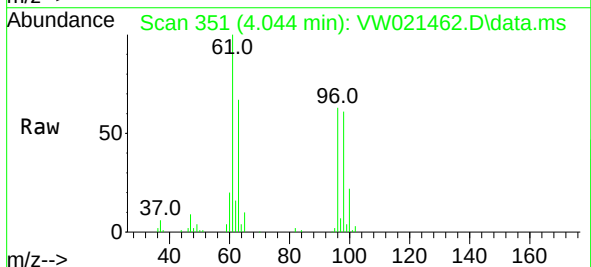
Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL46RE

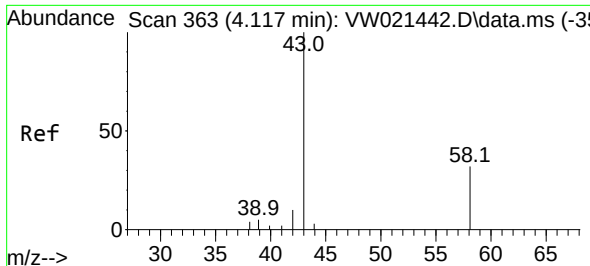
Tgt Ion: 64 Resp: 1893  
Ion Ratio Lower Upper  
64 100  
66 33.7 22.0 40.8



#12  
1,1-Dichloroethene  
Concen: 18.845 ug/L  
RT: 4.044 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VW021462.D  
Acq: 18 Dec 2021 08:05

Tgt Ion: 96 Resp: 23714  
Ion Ratio Lower Upper  
96 100  
61 157.9 138.3 256.9  
63 105.4 82.6 153.4





#13

Acetone

Concen: 42.145 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW021462.D

Acq: 18 Dec 2021 08:05

Instrument :

MSVOA\_W

ClientSampleId :

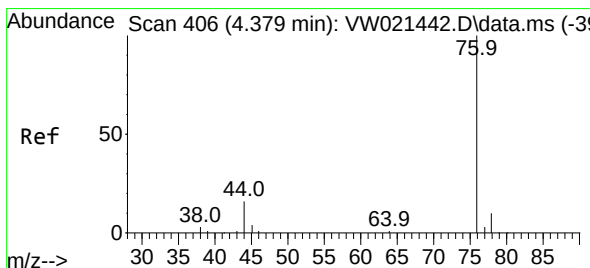
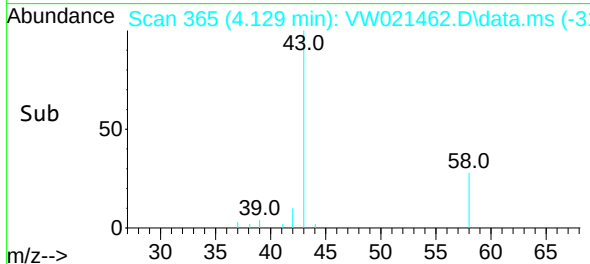
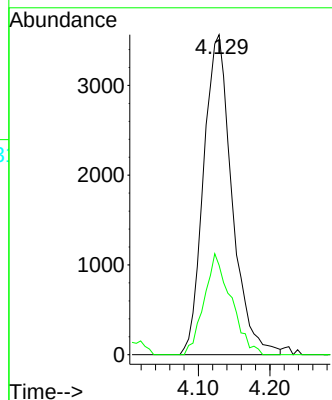
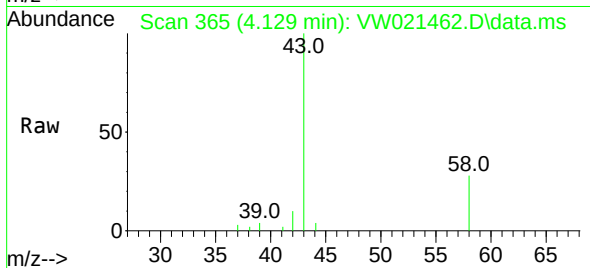
BGL46RE

Tgt Ion: 43 Resp: 9847

Ion Ratio Lower Upper

43 100

58 29.4 0.0 52.8



#14

Carbon disulfide

Concen: 4.442 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW021462.D

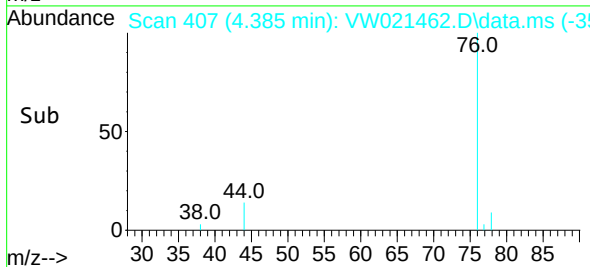
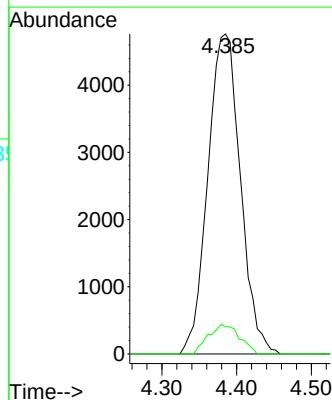
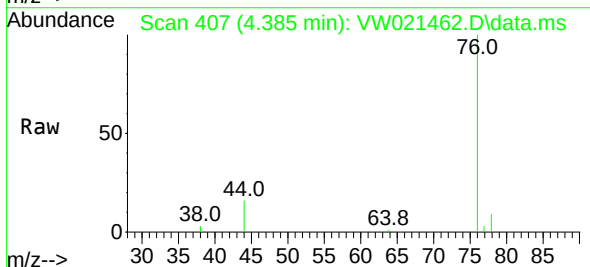
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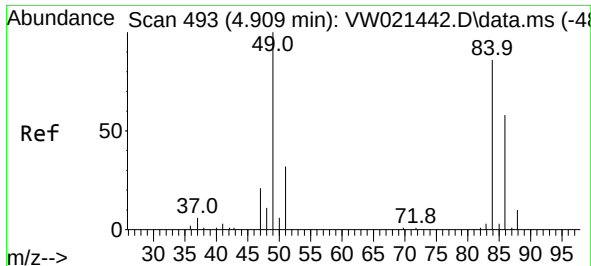
Tgt Ion: 76 Resp: 14435

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

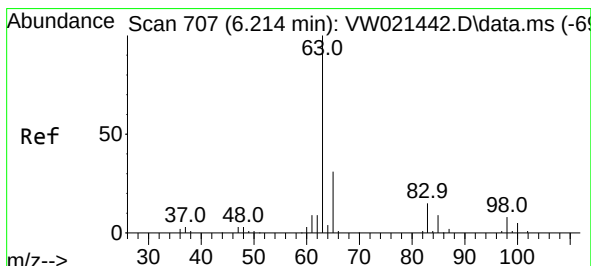
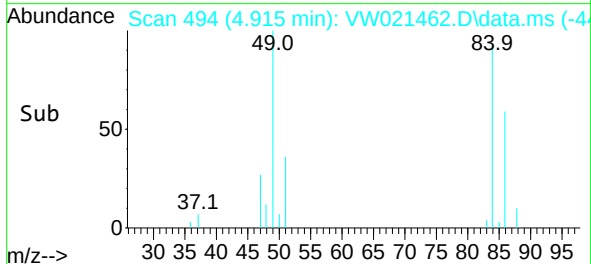
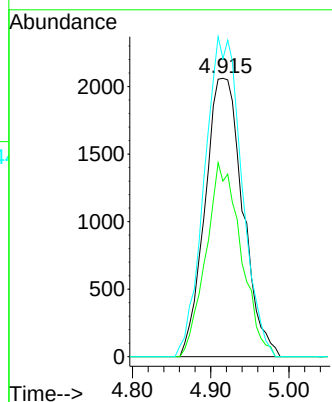
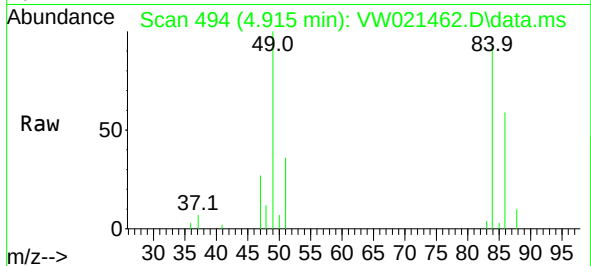




#16  
Methylene chloride  
Concen: 4.113 ug/L  
RT: 4.915 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VW021462.D  
Acq: 18 Dec 2021 08:05

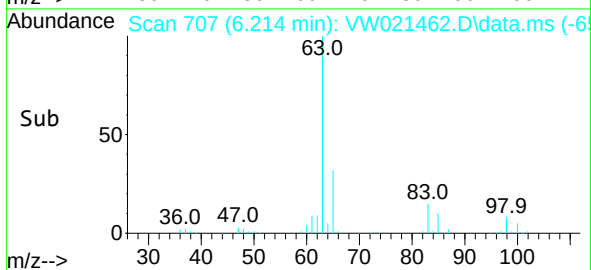
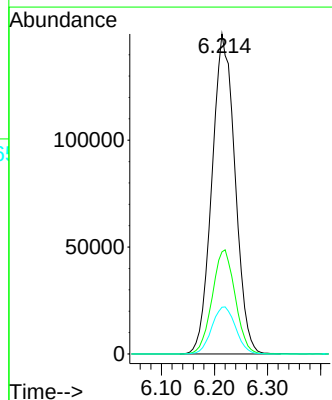
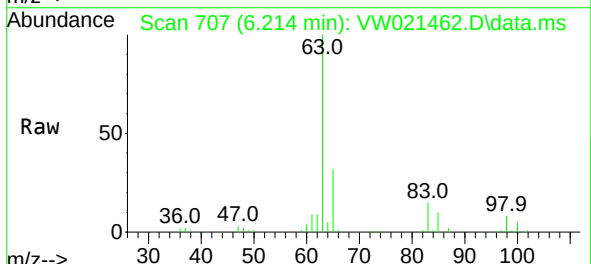
Instrument :  
MSVOA\_W  
ClientSampleId :  
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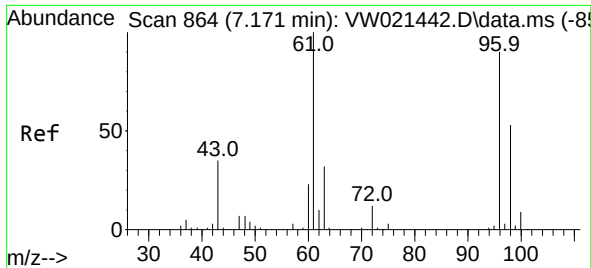
Tgt Ion: 84 Resp: 6900  
Ion Ratio Lower Upper  
84 100  
86 63.0 45.5 84.5  
49 107.0 100.5 186.7



#19  
1,1-Dichloroethane  
Concen: 211.520 ug/L  
RT: 6.214 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VW021462.D  
Acq: 18 Dec 2021 08:05

Tgt Ion: 63 Resp: 452240  
Ion Ratio Lower Upper  
63 100  
65 31.9 22.1 41.1  
83 14.6 9.2 17.2

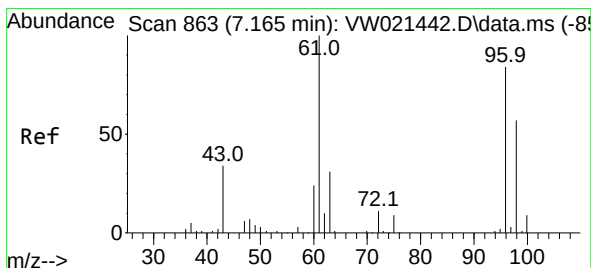
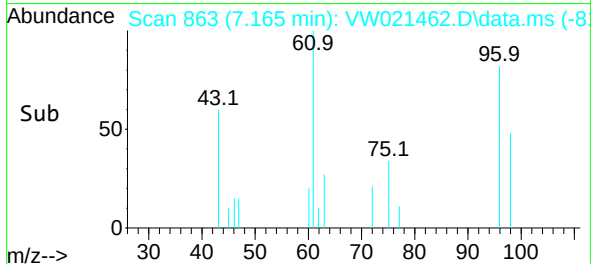
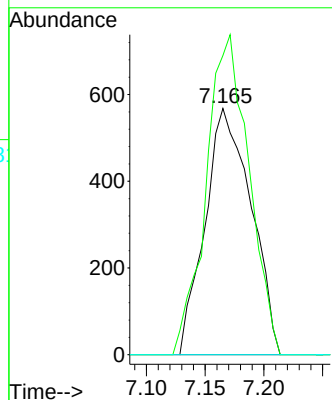
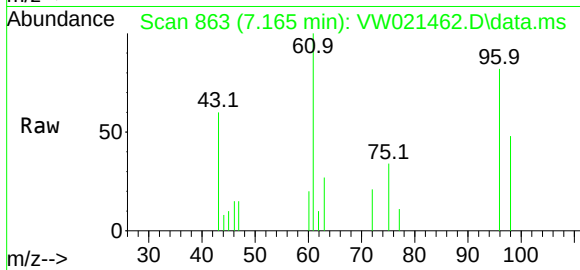




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.079 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. -0.006 min  
 Lab File: VW021462.D  
 Acq: 18 Dec 2021 08:05

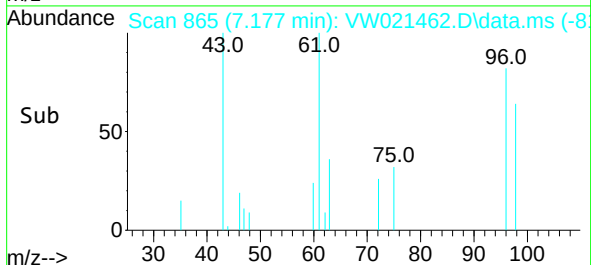
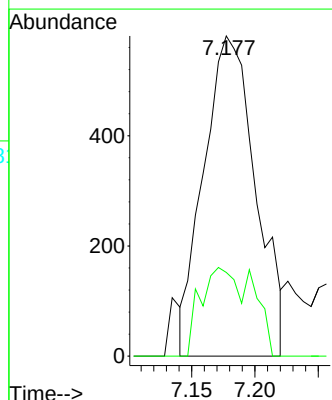
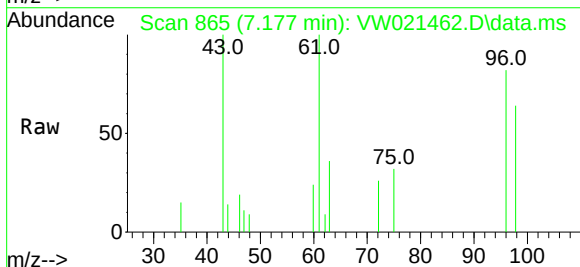
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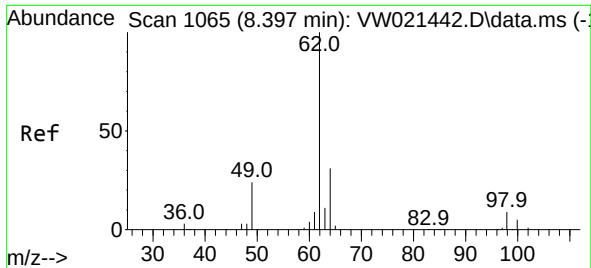
Tgt Ion: 96 Resp: 1551  
 Ion Ratio Lower Upper  
 96 100  
 61 121.5 103.7 192.7  
 68 0.0 0.0 0.0



#22  
 2-Butanone  
 Concen: 5.444 ug/L  
 RT: 7.177 min Scan# 865  
 Delta R.T. 0.012 min  
 Lab File: VW021462.D  
 Acq: 18 Dec 2021 08:05

Tgt Ion: 43 Resp: 1661  
 Ion Ratio Lower Upper  
 43 100  
 72 20.0 11.8 35.4





#27

1,2-Dichloroethane

Concen: 0.875 ug/L

RT: 8.397 min Scan# 10

Delta R.T. -0.000 min

Lab File: VW021462.D

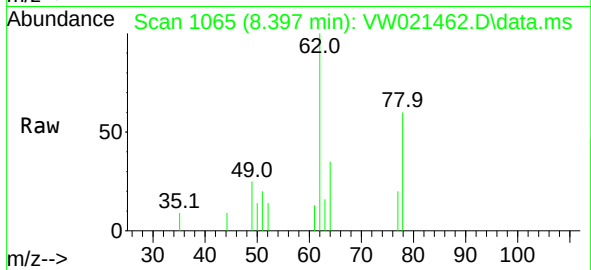
Acq: 18 Dec 2021 08:05

Instrument :

MSVOA\_W

ClientSampleId :

BGL46RE



Tgt Ion: 62 Resp: 1375

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#

