

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062823\  
 Data File : VW026410.D  
 Acq On : 28 Jun 2023 22:00  
 Operator : SY/MD  
 Sample : 03458-15  
 Misc : 5.15g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A46M8

Quant Time: Jun 29 04:12:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 29 02:27:38 2023  
 Response via : Initial Calibration

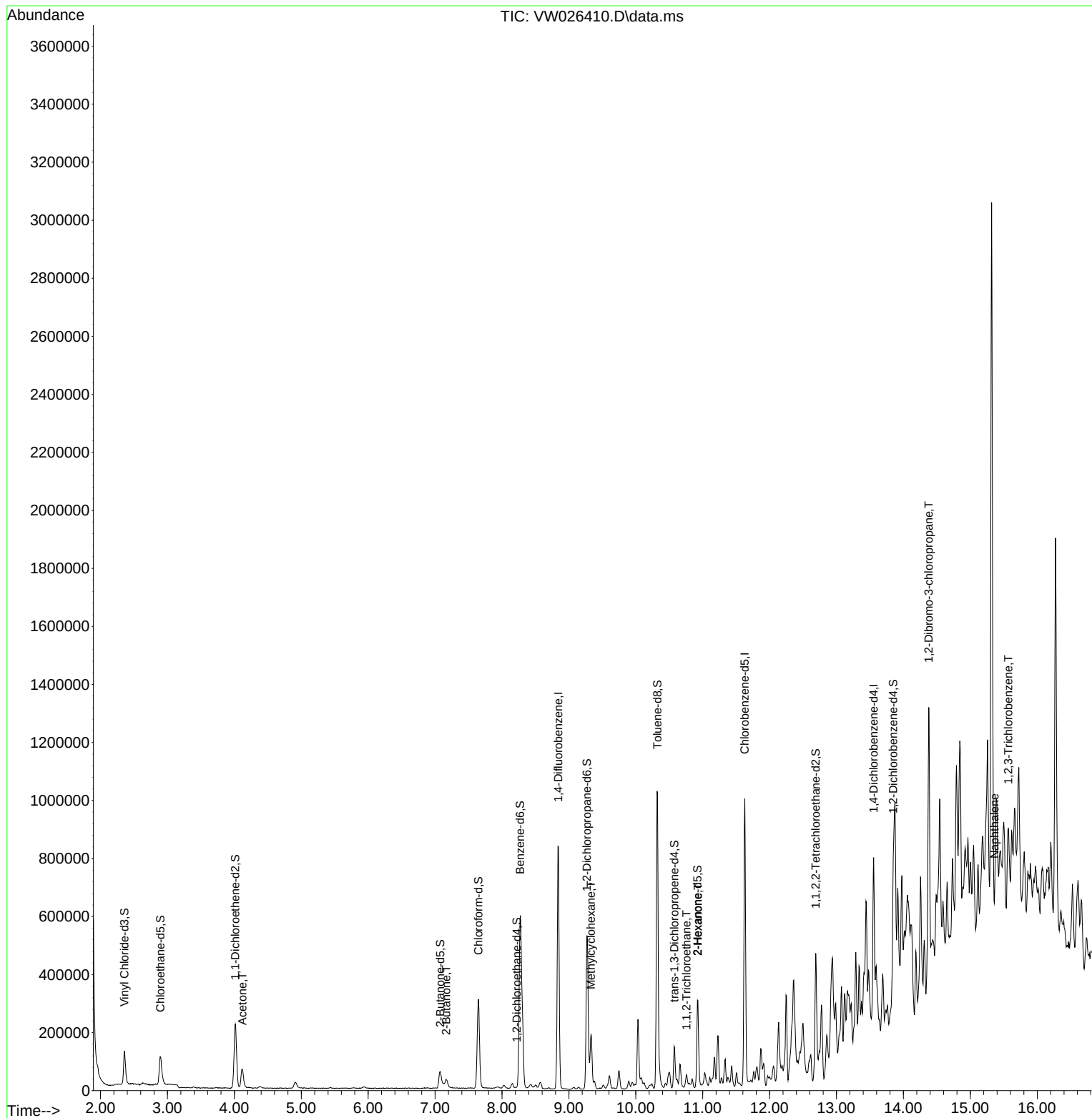
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 666440   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 518334   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 151952   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.357  | 65    | 141822   | 14.648   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 58.600%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 149986   | 21.792   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 72046    | 16.436   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 65.760%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 106389   | 34.964   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 69.920%  |
| 24) Chloroform-d              | 7.648  | 84    | 301001   | 15.939   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 63.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.221  | 65    | 246      | 0.023    | ug/L   | -0.08    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.080%#  |
| 32) Benzene-d6                | 8.270  | 84    | 586019   | 18.265   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 73.080%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 253849   | 24.349   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 97.400%  |
| 41) Toluene-d8                | 10.325 | 98    | 599499   | 21.348   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.400%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 77761    | 18.577   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.320%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 82285    | 51.393   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 102.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 166674   | 20.307   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 81.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 111828   | 21.137   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.560%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 4.119  | 43    | 119817   | 49.196   | ug/L   | 98       |
| 22) 2-Butanone                | 7.167  | 43    | 48873    | 13.115   | ug/L   | 100      |
| 35) Methylcyclohexane         | 9.331  | 83    | 68430    | 4.451    | ug/L # | 85       |
| 45) 1,1,2-Trichloroethane     | 10.758 | 97    | 13943    | 2.129    | ug/L # | 24       |
| 48) 2-Hexanone                | 10.928 | 43    | 51627    | 11.588   | ug/L # | 36       |
| 68) 1,2-Dibromo-3-chloropr... | 14.379 | 75    | 1696     | 1.992    | ug/L # | 1        |
| 71) Naphthalene               | 15.360 | 128   | 5456     | 0.528    | ug/L # | 9        |
| 72) 1,2,3-Trichlorobenzene    | 15.568 | 180   | 3002     | 0.625    | ug/L # | 1        |
| -----                         |        |       |          |          |        |          |

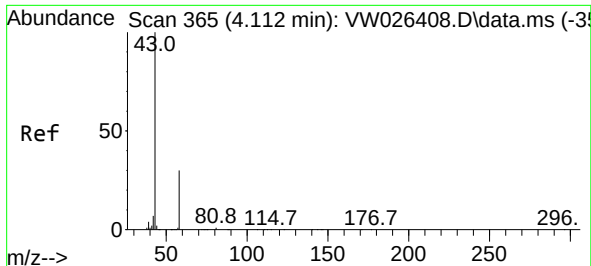
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062823\  
Data File : VW026410.D  
Acq On : 28 Jun 2023 22:00  
Operator : SY/MD  
Sample : 03458-15  
Misc : 5.15g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A46M8

Quant Time: Jun 29 04:12:34 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Jun 29 02:27:38 2023  
Response via : Initial Calibration

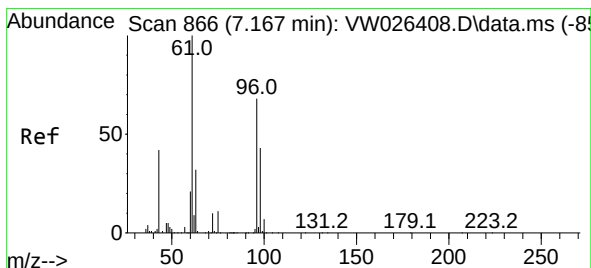
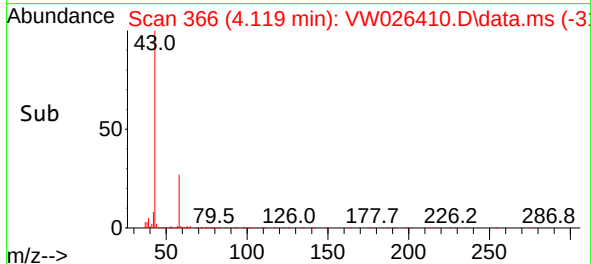
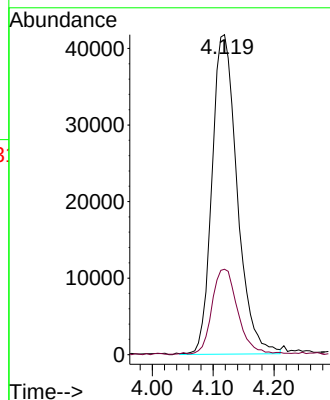
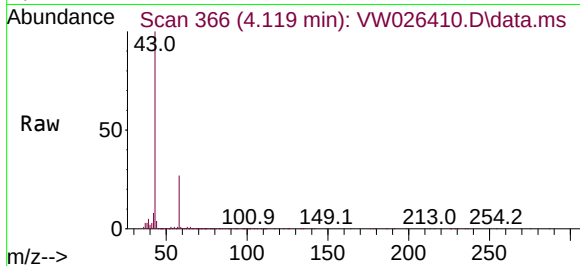




#13  
Acetone  
Concen: 49.196 ug/L  
RT: 4.119 min Scan# 366  
Delta R.T. 0.006 min  
Lab File: VW026410.D  
Acq: 28 Jun 2023 22:00

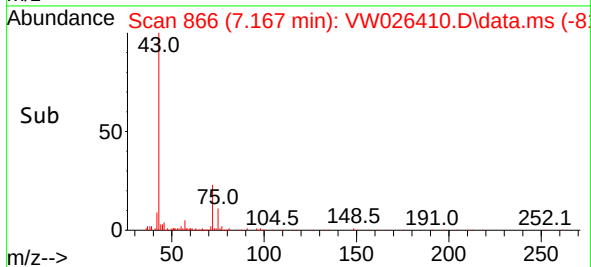
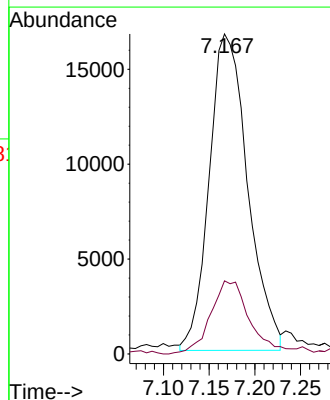
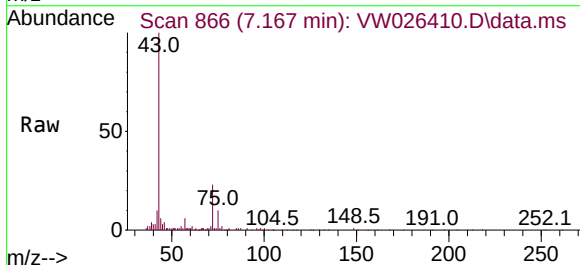
Instrument :  
MSVOA\_W  
ClientSampleId :  
A46M8

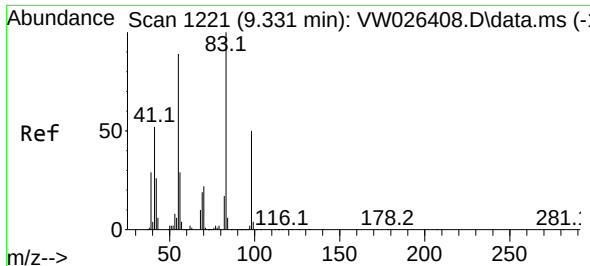
Tgt Ion: 43 Resp: 119817  
Ion Ratio Lower Upper  
43 100  
58 27.1 0.0 55.8



#22  
2-Butanone  
Concen: 13.115 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW026410.D  
Acq: 28 Jun 2023 22:00

Tgt Ion: 43 Resp: 48873  
Ion Ratio Lower Upper  
43 100  
72 23.6 11.8 35.3

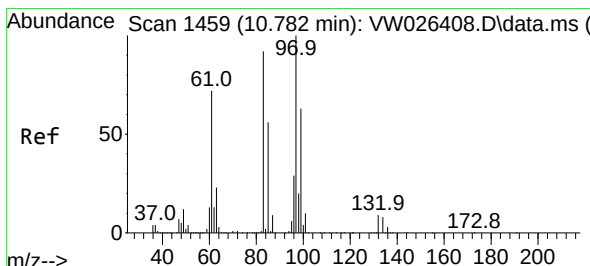
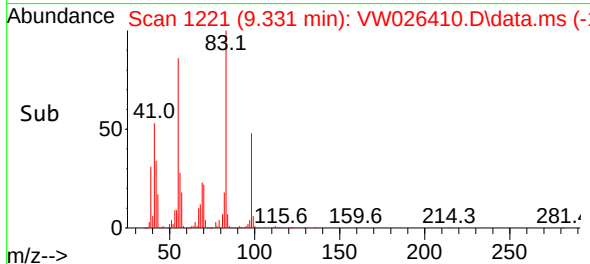
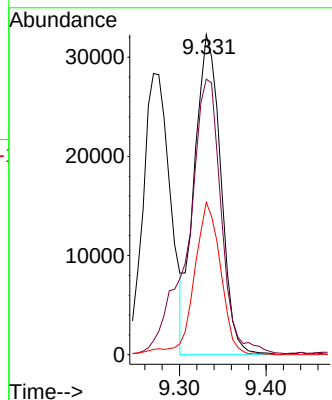
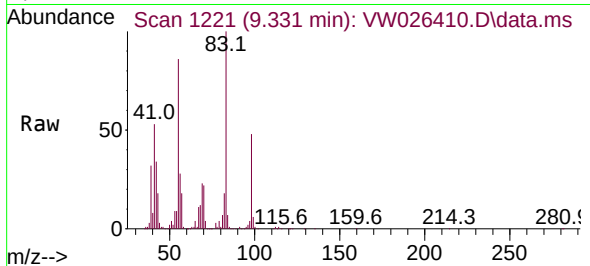




#35  
Methylcyclohexane  
Concen: 4.451 ug/L  
RT: 9.331 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026410.D  
Acq: 28 Jun 2023 22:00

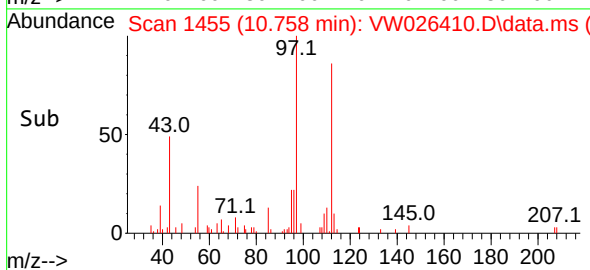
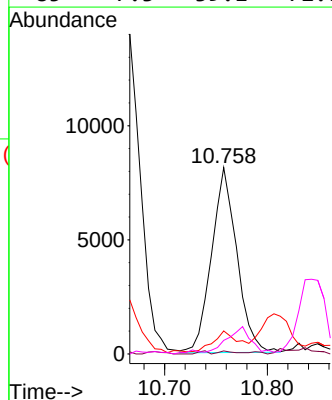
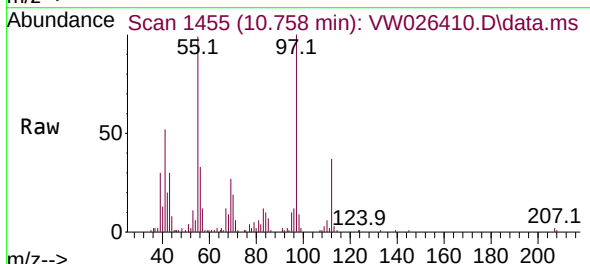
Instrument :  
MSVOA\_W  
ClientSampleId :  
A46M8

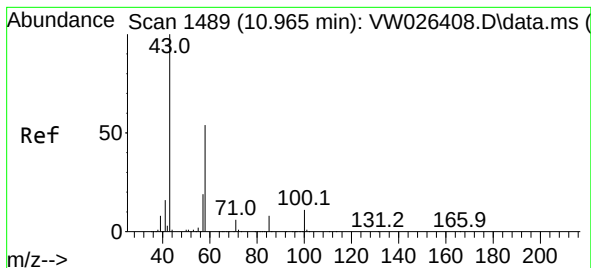
Tgt Ion: 83 Resp: 68430  
Ion Ratio Lower Upper  
83 100  
55 106.7 68.8 103.2#  
98 46.5 37.8 56.6



#45  
1,1,2-Trichloroethane  
Concen: 2.129 ug/L  
RT: 10.758 min Scan# 1455  
Delta R.T. -0.024 min  
Lab File: VW026410.D  
Acq: 28 Jun 2023 22:00

Tgt Ion: 97 Resp: 13943  
Ion Ratio Lower Upper  
97 100  
99 1.6 42.4 78.6#  
83 12.4 60.8 113.0#  
85 7.3 39.1 72.7#





#48

2-Hexanone

Concen: 11.588 ug/L

RT: 10.928 min Scan# 14

Delta R.T. -0.037 min

Lab File: VW026410.D

Acq: 28 Jun 2023 22:00

Instrument :

MSVOA\_W

ClientSampleId :

A46M8

Tgt Ion: 43 Resp: 51627

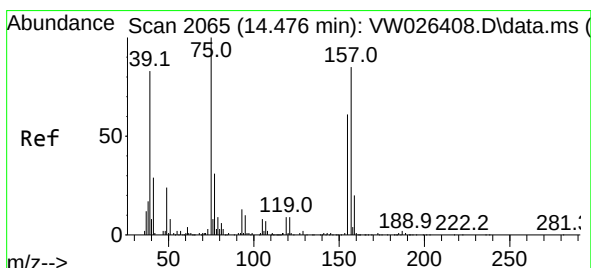
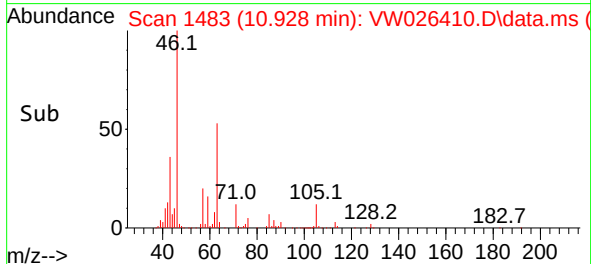
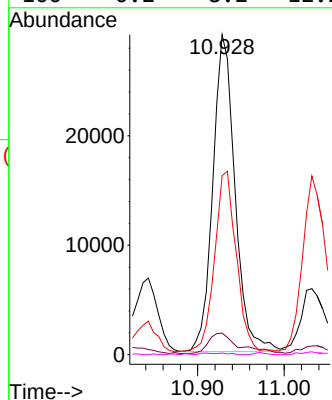
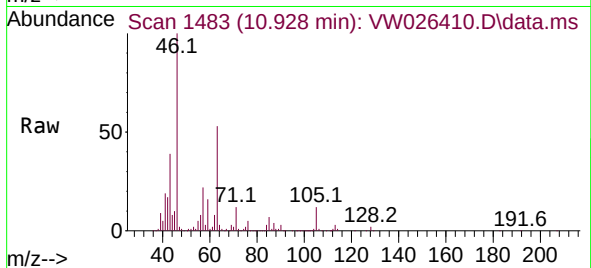
Ion Ratio Lower Upper

43 100

58 6.7 40.1 60.1#

57 55.4 13.4 20.0#

100 0.2 8.2 12.2#



#68

1,2-Dibromo-3-chloropropane

Concen: 1.992 ug/L

RT: 14.379 min Scan# 2049

Delta R.T. -0.097 min

Lab File: VW026410.D

Acq: 28 Jun 2023 22:00

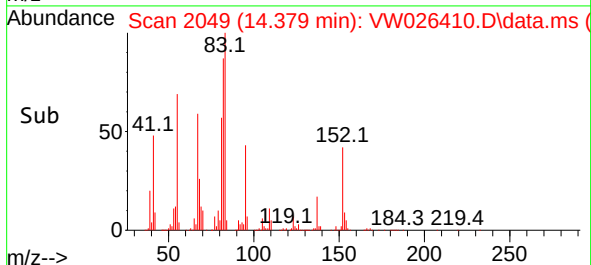
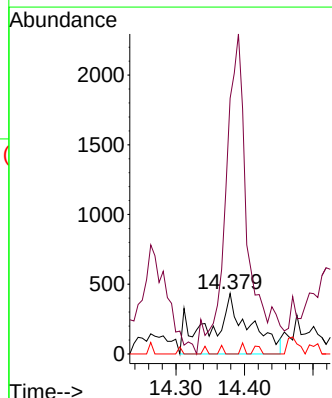
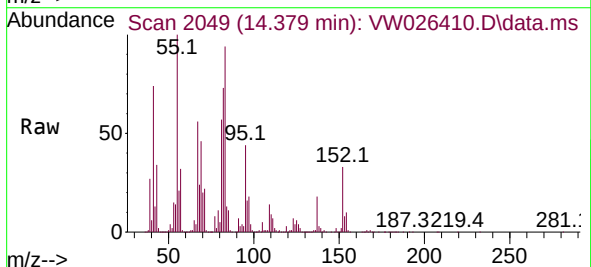
Tgt Ion: 75 Resp: 1696

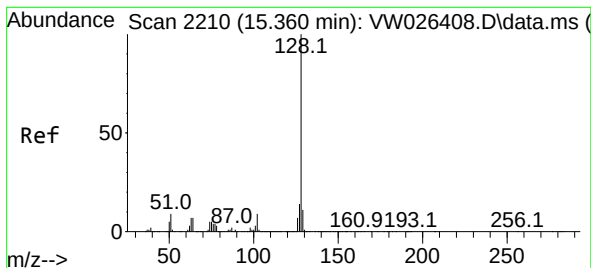
Ion Ratio Lower Upper

75 100

155 422.6 57.5 86.3#

157 0.0 73.4 110.0#





#71

Naphthalene

Concen: 0.528 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026410.D

Acq: 28 Jun 2023 22:00

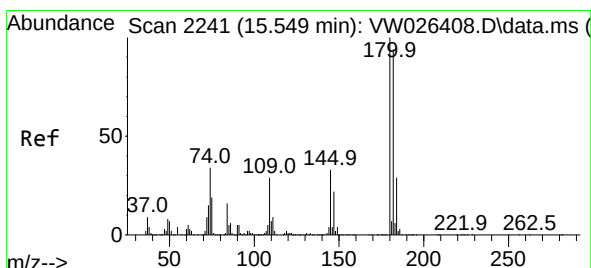
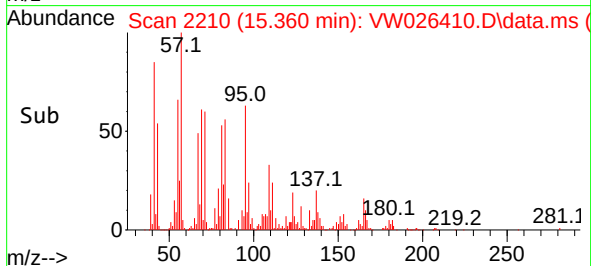
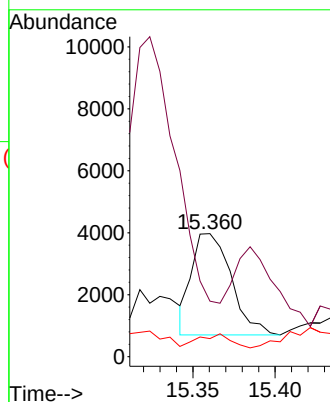
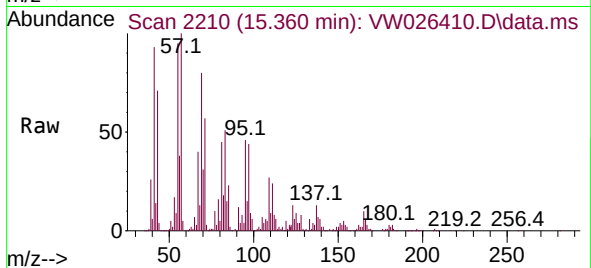
Instrument :

MSVOA\_W

ClientSampleId :

A46M8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 5456  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 79.9  | 10.9  | 16.3# |
| 129       | 10.9  | 8.9   | 13.3  |



#72

1,2,3-Trichlorobenzene

Concen: 0.625 ug/L

RT: 15.568 min Scan# 2244

Delta R.T. 0.018 min

Lab File: VW026410.D

Acq: 28 Jun 2023 22:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 3002   |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 121.1 | 75.0  | 112.6# |
| 145       | 441.0 | 28.5  | 42.7#  |

