

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082923\  
 Data File : VW026950.D  
 Acq On : 29 Aug 2023 14:59  
 Operator : SY/MD  
 Sample : 04175-21  
 Misc : 4.96g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 29 20:49:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 29 20:47:20 2023  
 Response via : Initial Calibration

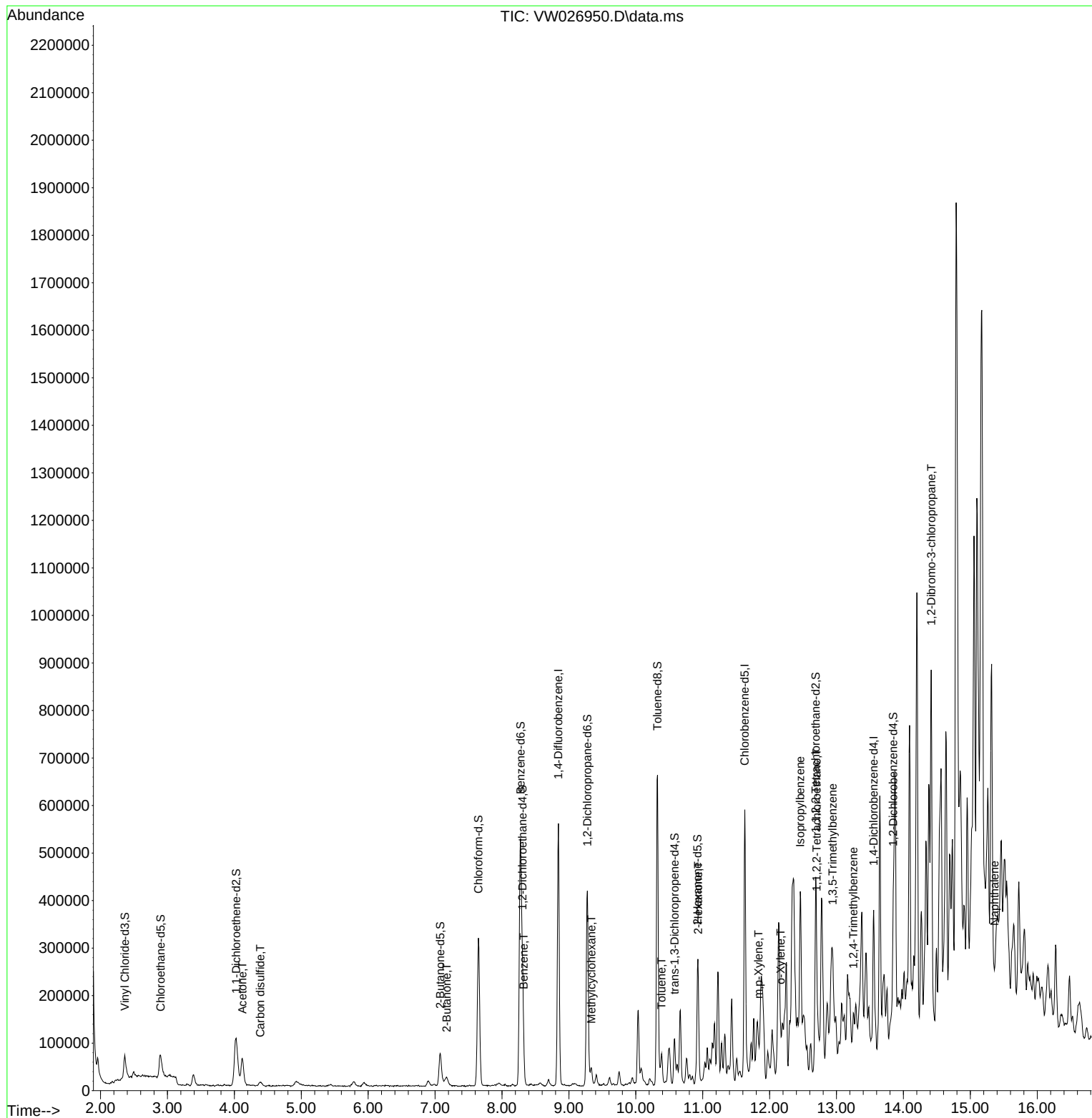
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 401003   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 268586   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 70877    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 70231    | 10.654   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 42.600%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 78665    | 16.048   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 64.200%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 44816    | 13.823   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 55.280%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 123501   | 65.183   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 130.360%  |
| 24) Chloroform-d              | 7.648  | 84    | 301058   | 22.369   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.480%   |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 190000   | 25.581   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.320%  |
| 32) Benzene-d6                | 8.276  | 84    | 495240   | 26.754   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 107.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 175571   | 30.450   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 121.800%# |
| 41) Toluene-d8                | 10.324 | 98    | 361836   | 22.772   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.080%   |
| 43) trans-1,3-Dichloroprop... | 10.580 | 79    | 49810    | 20.923   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.680%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 56038    | 92.492   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 184.980%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 129396   | 28.417   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 63283    | 24.945   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.800%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.118  | 43    | 98148    | 52.099   | ug/L   | 96        |
| 14) Carbon disulfide          | 4.386  | 76    | 15305    | 0.718    | ug/L # | 94        |
| 22) 2-Butanone                | 7.173  | 43    | 28530    | 10.276   | ug/L   | 99        |
| 33) Benzene                   | 8.325  | 78    | 13421    | 0.686    | ug/L   | 100       |
| 35) Methylcyclohexane         | 9.337  | 83    | 11476    | 1.347    | ug/L # | 86        |
| 42) Toluene                   | 10.385 | 91    | 42757    | 2.161    | ug/L   | 97        |
| 48) 2-Hexanone                | 10.934 | 43    | 53684    | 22.640   | ug/L # | 35        |
| 53) m,p-Xylene                | 11.836 | 106   | 10780    | 1.311    | ug/L   | 92        |
| 54) o-Xylene                  | 12.166 | 106   | 6131     | 0.799    | ug/L   | 74        |
| 57) 1,1,2,2-Tetrachloroethane | 12.702 | 83    | 3326     | 0.717    | ug/L # | 69        |
| 60) Isopropylbenzene          | 12.458 | 105   | 182946   | 17.361   | ug/L   | 95        |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105   | 6766     | 0.812    | ug/L   | 94        |
| 63) 1,2,4-Trimethylbenzene    | 13.251 | 105   | 29229    | 3.581    | ug/L   | 96        |
| 68) 1,2-Dibromo-3-chloropr... | 14.415 | 75    | 4004     | 9.660    | ug/L # | 17        |
| 71) Naphthalene               | 15.360 | 128   | 27254    | 5.443    | ug/L # | 80        |
| -----                         |        |       |          |          |        |           |

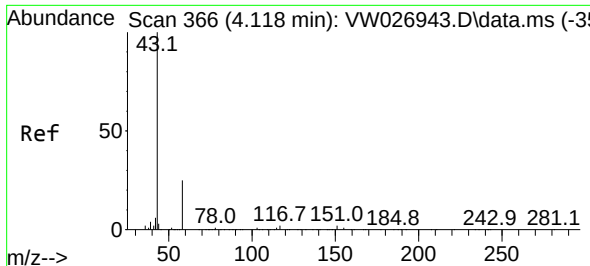
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04175-21  
Misc : 4.96g/10mL/MSVOA\_W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

Quant Time: Aug 29 20:49:34 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Aug 29 20:47:20 2023  
Response via : Initial Calibration

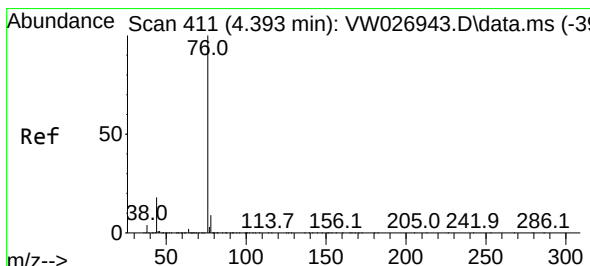
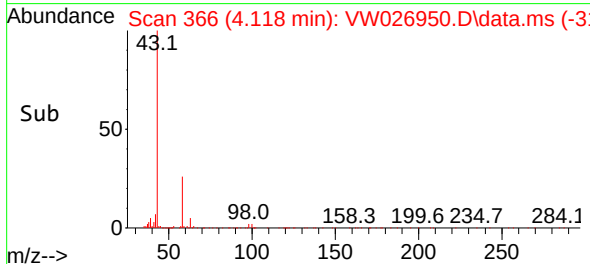
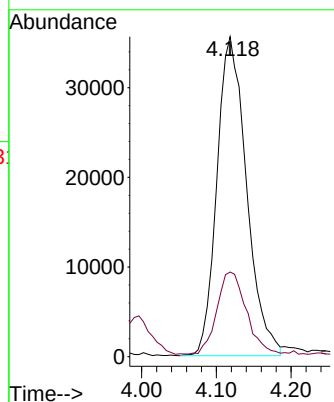
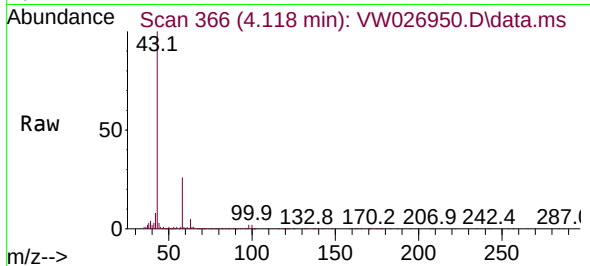




#13  
Acetone  
Concen: 52.099 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

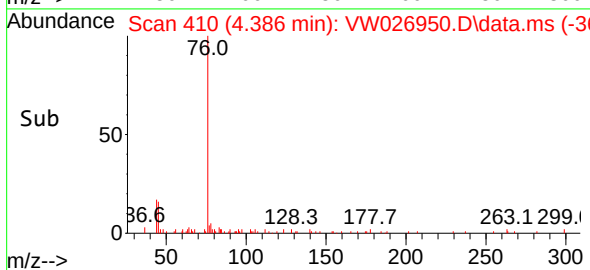
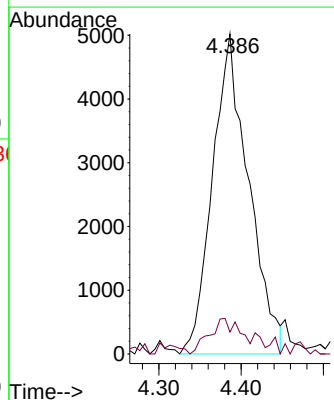
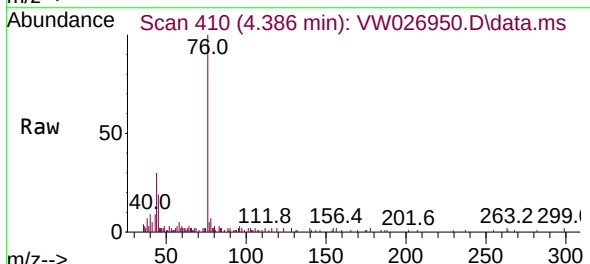
Instrument :  
MSVOA\_W  
ClientSampleId :

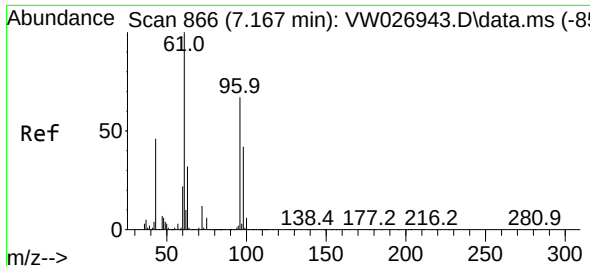
Tgt Ion: 43 Resp: 98148  
Ion Ratio Lower Upper  
43 100  
58 26.7 0.0 57.4



#14  
Carbon disulfide  
Concen: 0.718 ug/L  
RT: 4.386 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

Tgt Ion: 76 Resp: 15305  
Ion Ratio Lower Upper  
76 100  
78 6.9 7.1 10.7#

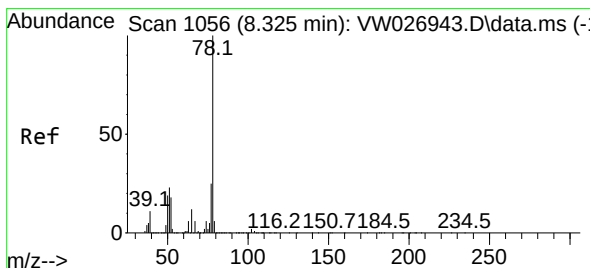
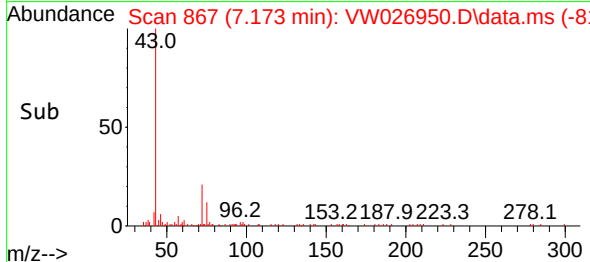
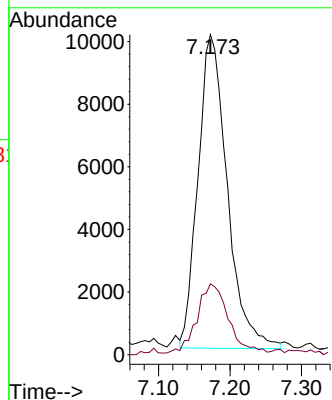
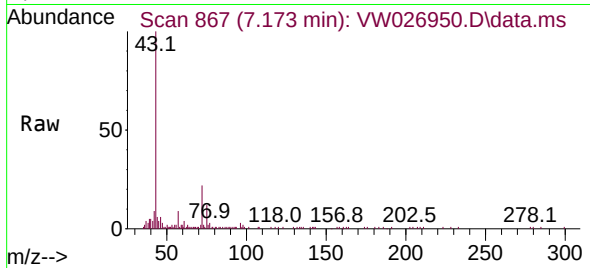




#22  
2-Butanone  
Concen: 10.276 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

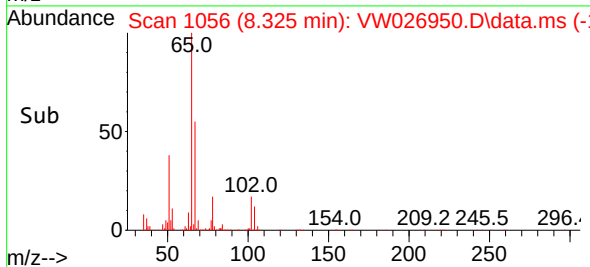
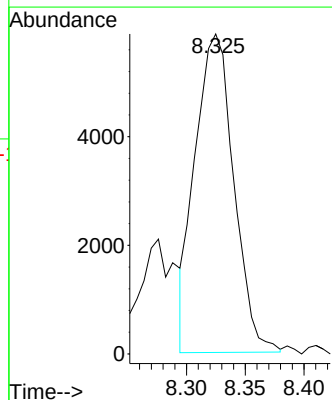
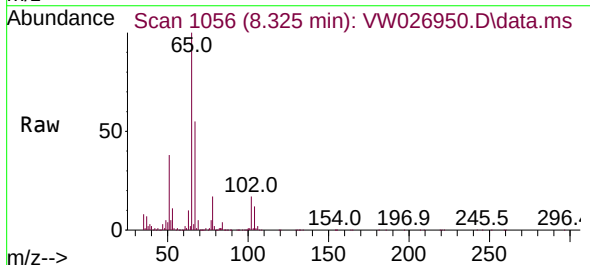
Instrument :  
MSVOA\_W  
ClientSampleId :

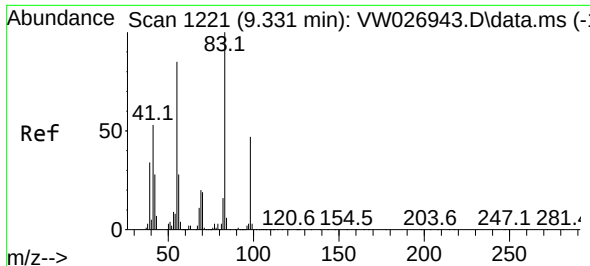
Tgt Ion: 43 Resp: 28530  
Ion Ratio Lower Upper  
43 100  
72 23.1 11.8 35.4



#33  
Benzene  
Concen: 0.686 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

Tgt Ion: 78 Resp: 13421

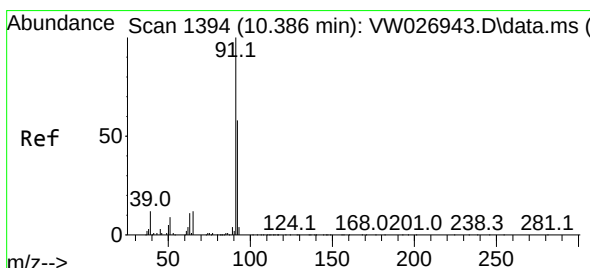
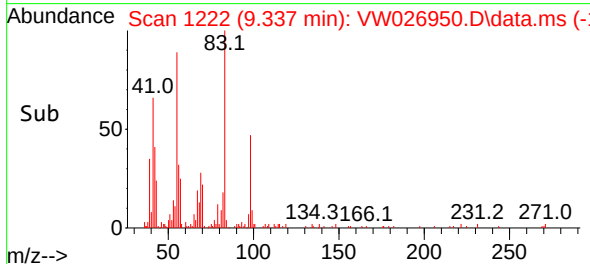
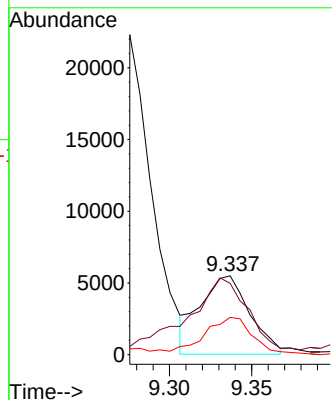
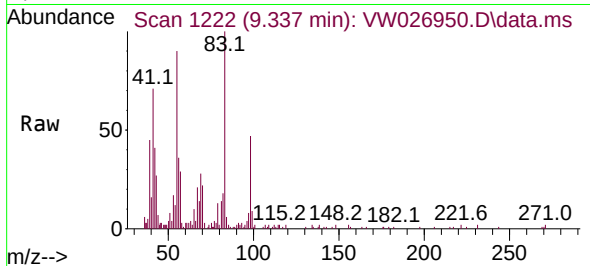




#35  
Methylcyclohexane  
Concen: 1.347 ug/L  
RT: 9.337 min Scan# 11476  
Delta R.T. 0.006 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

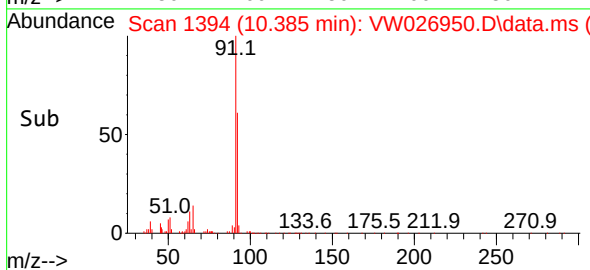
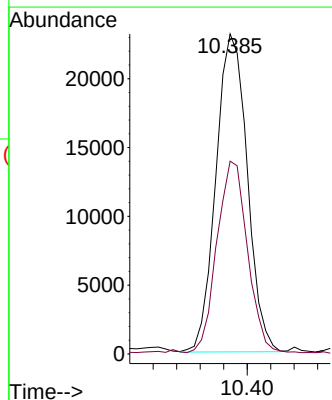
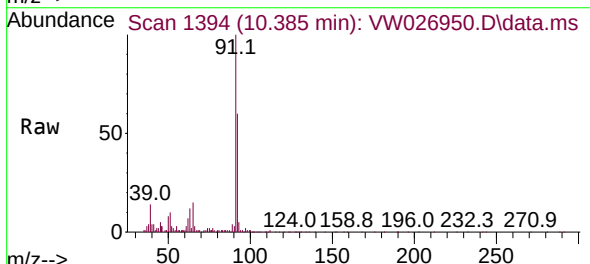
Instrument :  
MSVOA\_W  
ClientSampleId :

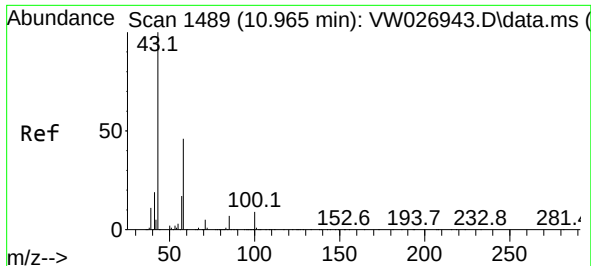
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 83      | 100   |       |        |
| 55      | 106.0 | 69.3  | 103.9# |
| 98      | 46.5  | 37.4  | 56.0   |



#42  
Toluene  
Concen: 2.161 ug/L  
RT: 10.385 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

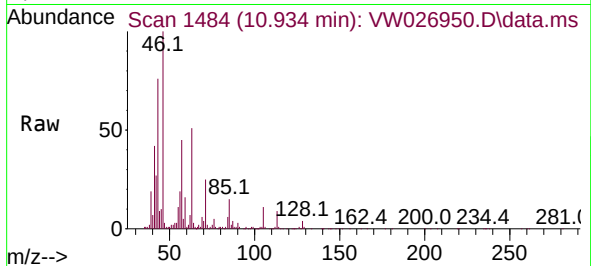
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 60.2  | 40.8  | 75.8  |



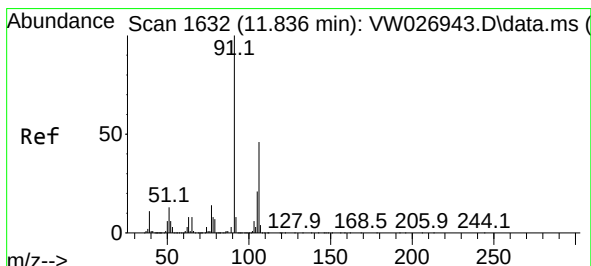
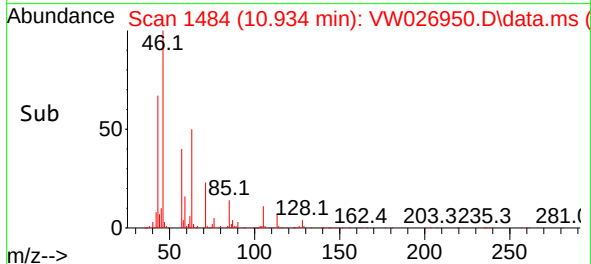
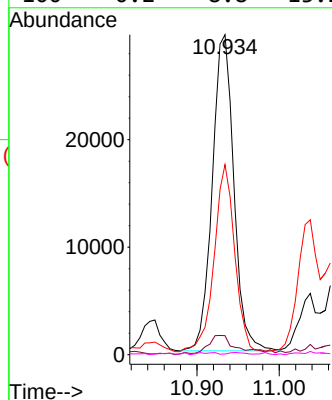


#48  
2-Hexanone  
Concen: 22.640 ug/L  
RT: 10.934 min Scan# 1484  
Delta R.T. -0.031 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

Instrument :  
MSVOA\_W  
ClientSampleId :

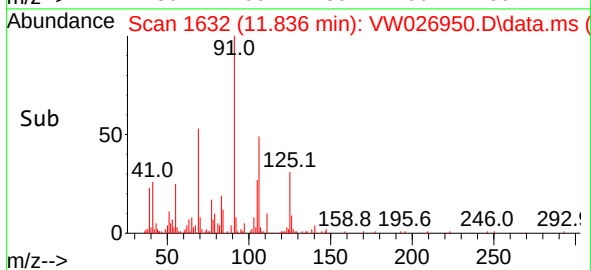
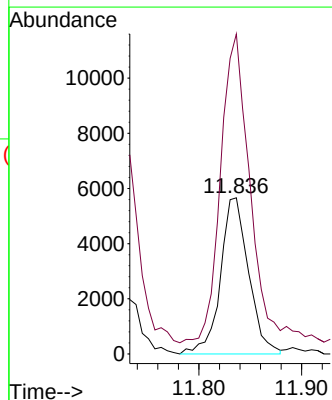
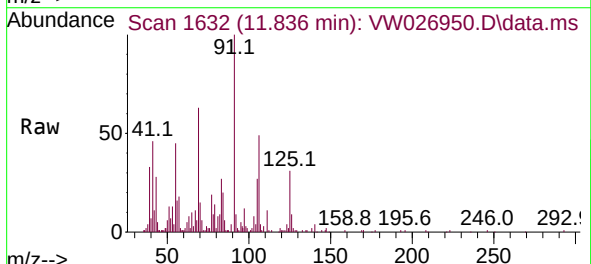


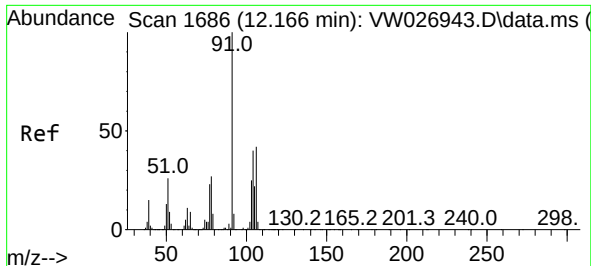
Tgt Ion: 43 Resp: 53684  
Ion Ratio Lower Upper  
43 100  
58 5.9 41.1 61.7#  
57 56.4 14.3 21.5#  
100 0.2 8.8 13.2#



#53  
m,p-Xylene  
Concen: 1.311 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

Tgt Ion: 106 Resp: 10780  
Ion Ratio Lower Upper  
106 100  
91 204.9 152.9 284.1

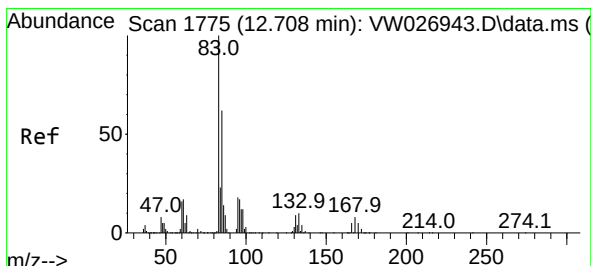
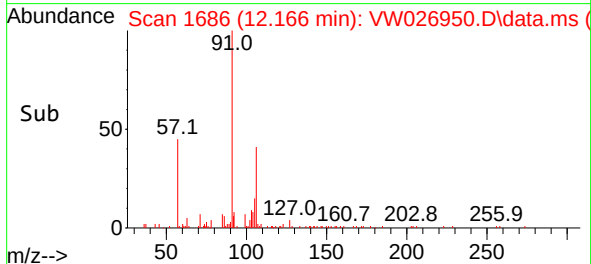
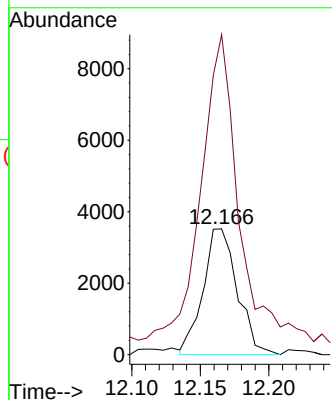
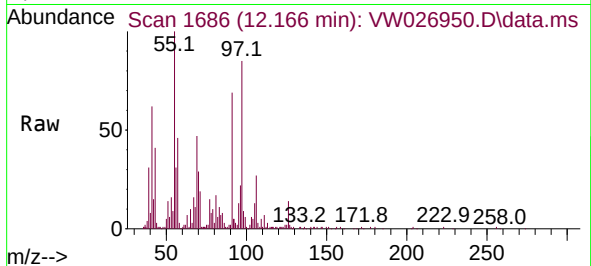




#54  
o-Xylene  
Concen: 0.799 ug/L  
RT: 12.166 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

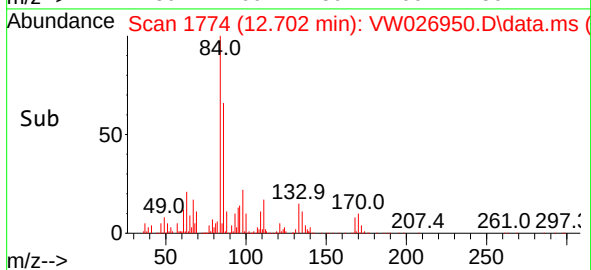
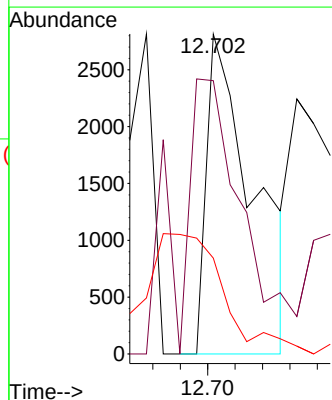
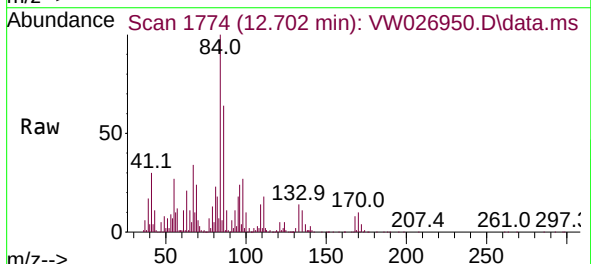
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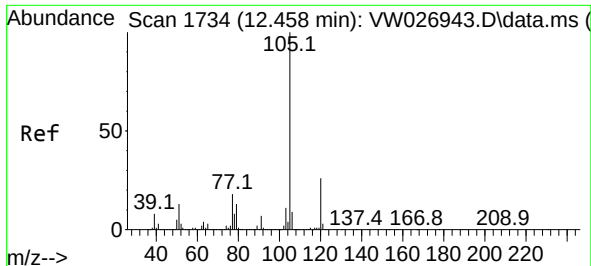
Tgt Ion:106 Resp: 6131  
Ion Ratio Lower Upper  
106 100  
91 254.6 149.9 278.3



#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.717 ug/L  
RT: 12.702 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

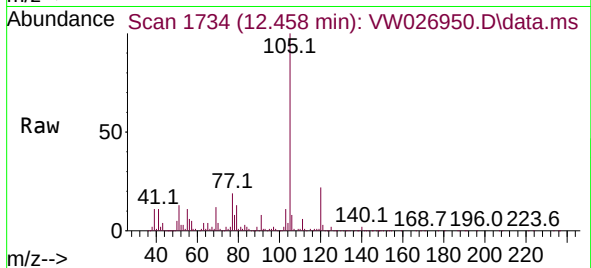
Tgt Ion: 83 Resp: 3326  
Ion Ratio Lower Upper  
83 100  
85 85.4 44.9 83.3#  
131 30.0 7.4 11.0#



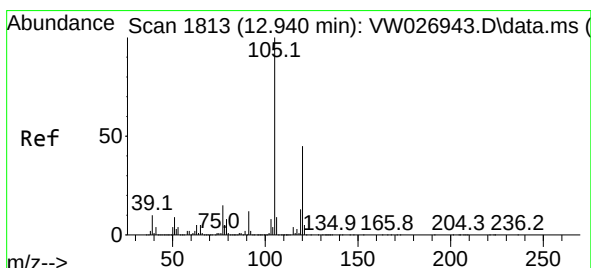
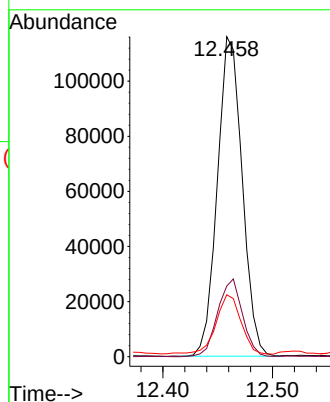
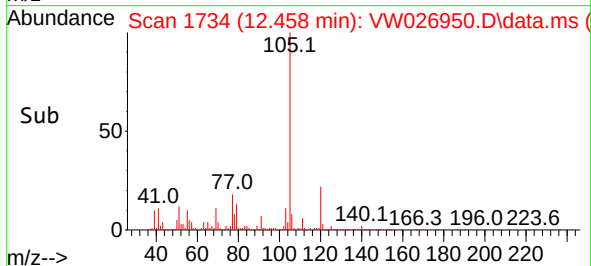


#60  
Isopropylbenzene  
Concen: 17.361 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

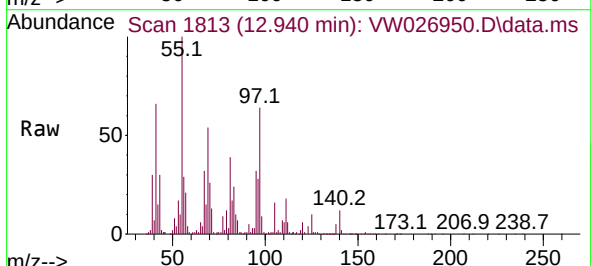
Instrument :  
MSVOA\_W  
ClientSampleId :



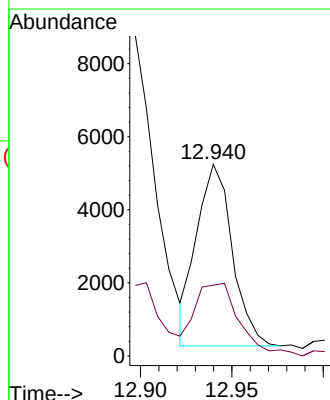
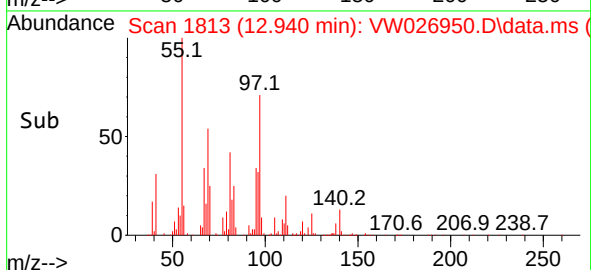
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Ion Ratio Lower Upper  
105 100  
120 24.3 21.0 31.6  
77 19.5 13.4 20.2



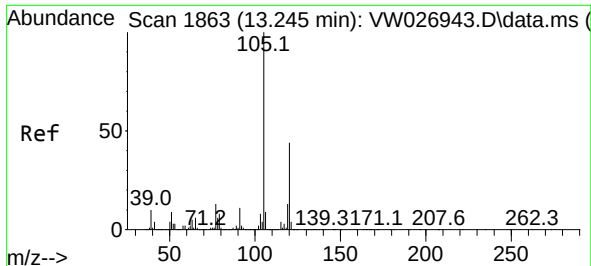
#62  
1,3,5-Trimethylbenzene  
Concen: 0.812 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59



Tgt Ion:105 Resp: 6766  
Ion Ratio Lower Upper  
105 100  
120 42.7 37.4 56.2



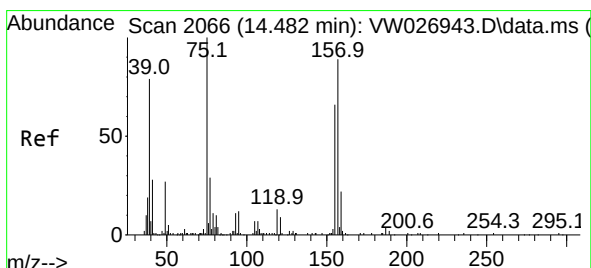
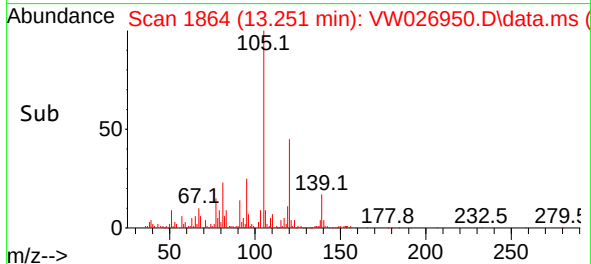
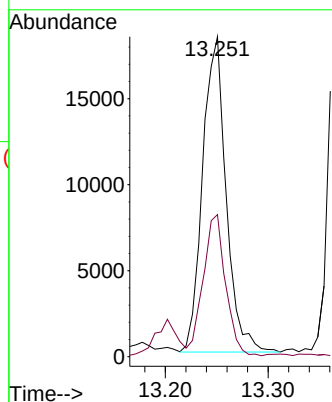
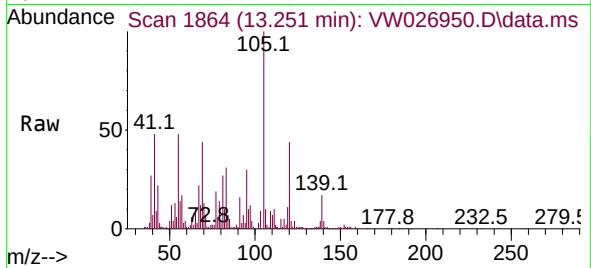




#63  
1,2,4-Trimethylbenzene  
Concen: 3.581 ug/L  
RT: 13.251 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

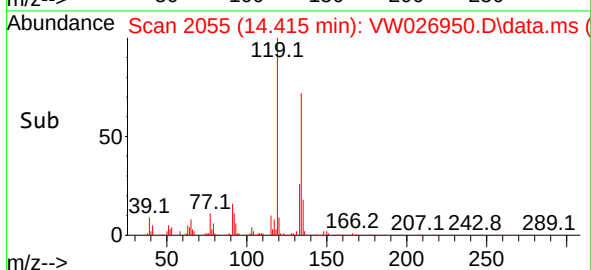
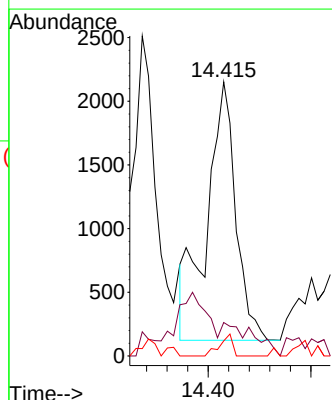
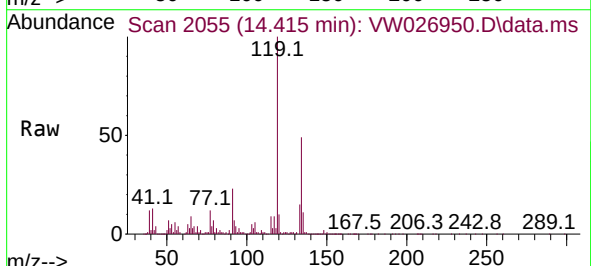
Instrument :  
MSVOA\_W  
ClientSampleId :

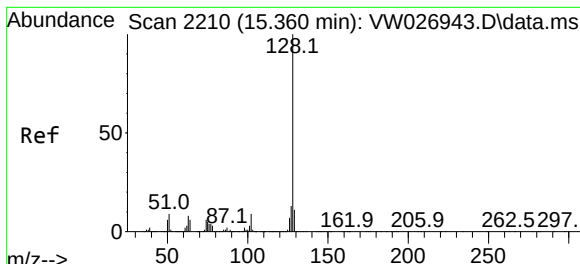
Tgt Ion:105 Resp: 29229  
Ion Ratio Lower Upper  
105 100  
120 42.5 36.2 54.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 9.660 ug/L  
RT: 14.415 min Scan# 2055  
Delta R.T. -0.067 min  
Lab File: VW026950.D  
Acq: 29 Aug 2023 14:59

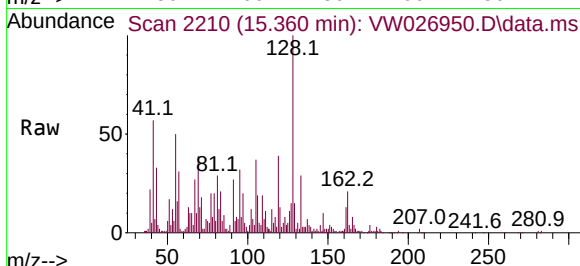
Tgt Ion: 75 Resp: 4004  
Ion Ratio Lower Upper  
75 100  
155 12.2 55.0 82.6#  
157 5.5 77.8 116.6#





#71  
 Naphthalene  
 Concen: 5.443 ug/L  
 RT: 15.360 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW026950.D  
 Acq: 29 Aug 2023 14:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion:128 Resp: 27254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 8.4   | 10.7  | 16.1# |
| 129 | 0.0   | 9.0   | 13.4# |

