

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070623\  
 Data File : VW026546.D  
 Acq On : 06 Jul 2023 16:54  
 Operator : SY/MD  
 Sample : 03534-12  
 Misc : 4.25g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4724

Quant Time: Jul 07 02:35:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jul 04 13:17:14 2023  
 Response via : Initial Calibration

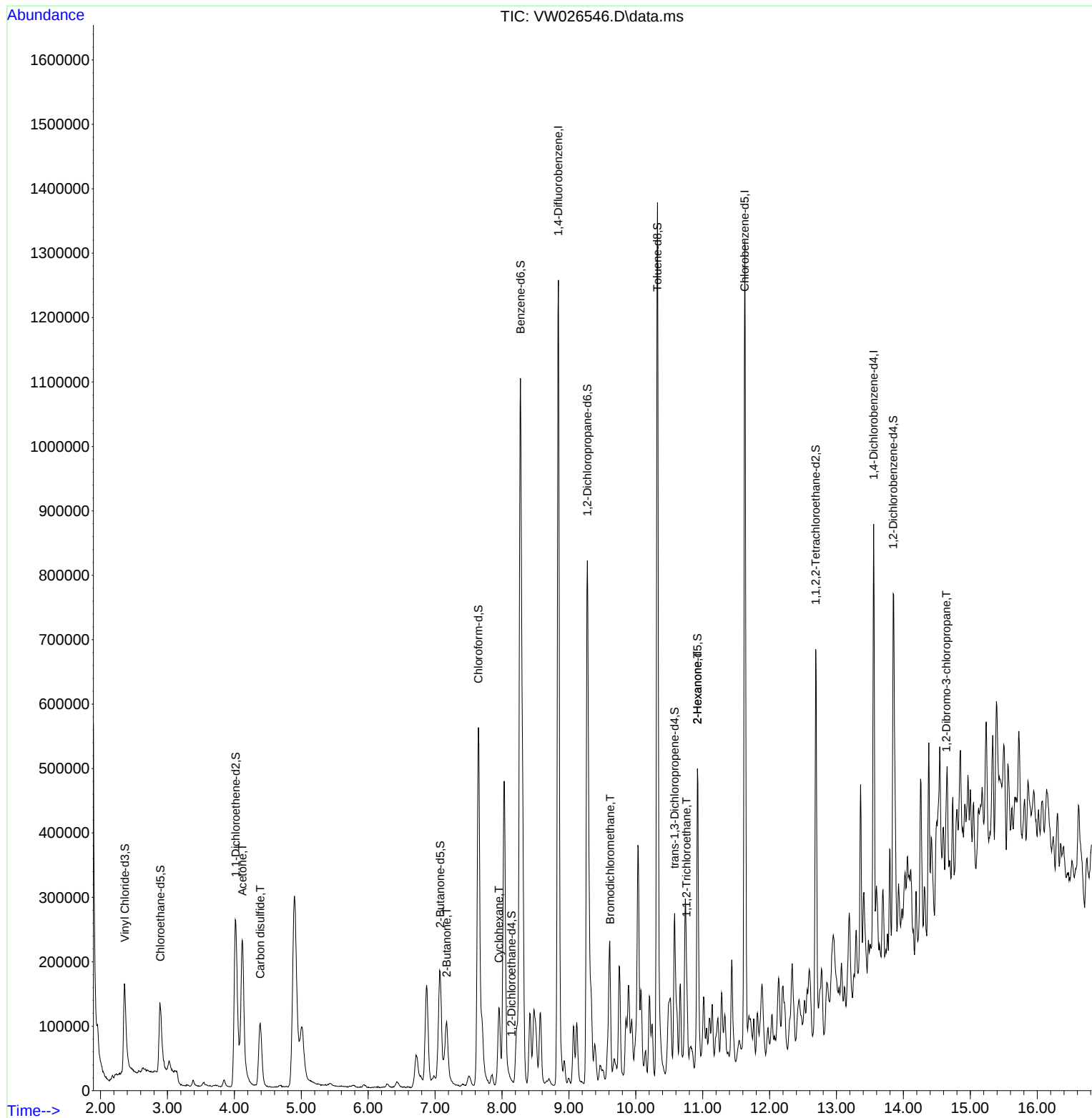
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 976744   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 647045   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 170610   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 197018   | 13.414   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.640%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 181198   | 14.912   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 59.640%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 112998   | 16.495   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 66.000%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 244312   | 43.483   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 86.960%  |
| 24) Chloroform-d              | 7.648  | 84    | 548383   | 19.057   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.142  | 65    | 215      | 0.013    | ug/L   | -0.16    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.276  | 84    | 1120434  | 27.159   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 108.640% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 370172   | 28.143   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 112.560% |
| 41) Toluene-d8                | 10.325 | 98    | 856851   | 23.135   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 92.560%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 118475   | 22.209   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 88.840%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 157442   | 60.120   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 120.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 252408   | 21.931   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 132567   | 19.565   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 78.240%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.119  | 43    | 349552   | 100.311  | ug/L   | 91       |
| 14) Carbon disulfide          | 4.387  | 76    | 240129   | 6.137    | ug/L   | 100      |
| 22) 2-Butanone                | 7.173  | 43    | 126459   | 19.498   | ug/L   | 95       |
| 29) Cyclohexane               | 7.953  | 56    | 70356    | 3.903    | ug/L   | 95       |
| 38) Bromodichloromethane      | 9.618  | 83    | 27423    | 2.024    | ug/L # | 29       |
| 45) 1,1,2-Trichloroethane     | 10.758 | 97    | 33879    | 4.015    | ug/L # | 25       |
| 48) 2-Hexanone                | 10.922 | 43    | 30736    | 4.962    | ug/L # | 46       |
| 68) 1,2-Dibromo-3-chloropr... | 14.641 | 75    | 1255     | 1.120    | ug/L # | 35       |
| -----                         |        |       |          |          |        |          |

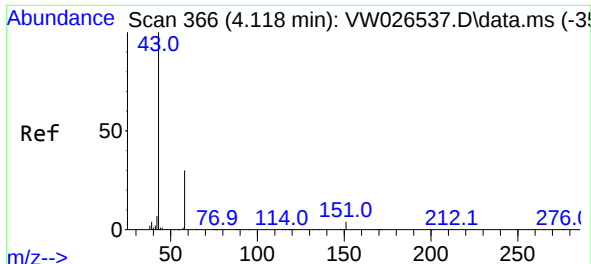
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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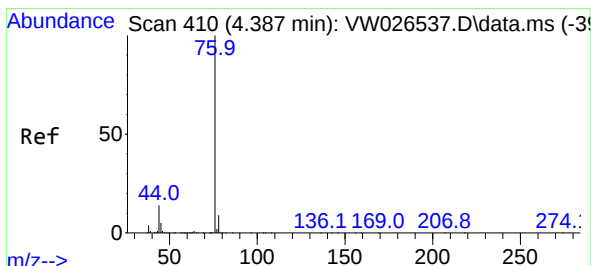
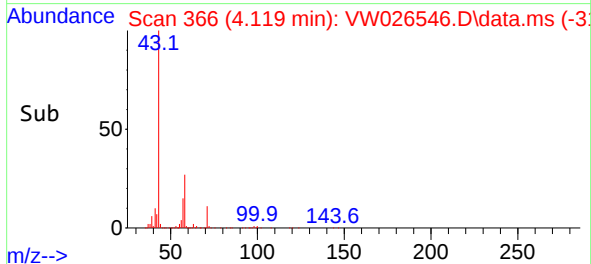
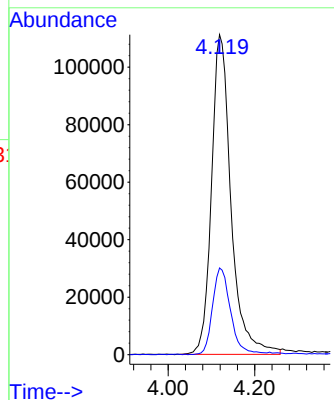
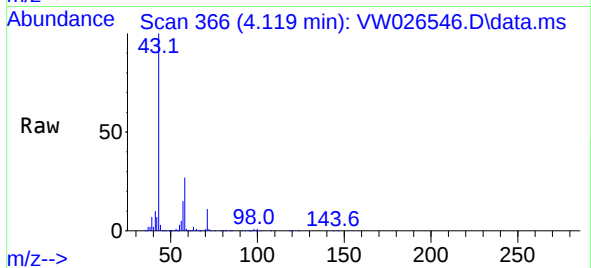




#13  
Acetone  
Concen: 100.311 ug/L  
RT: 4.119 min Scan# 301  
Delta R.T. -0.000 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

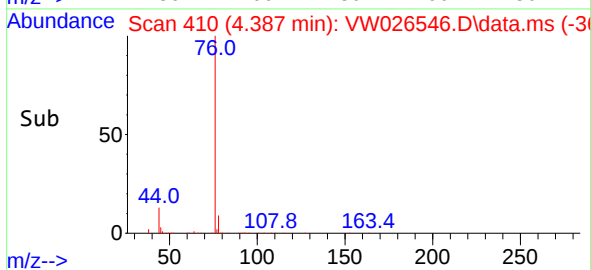
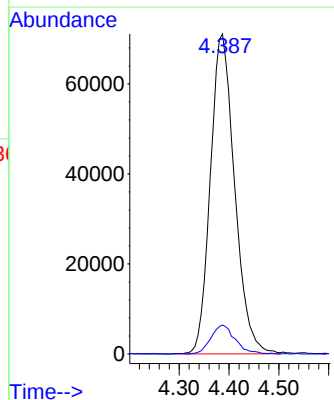
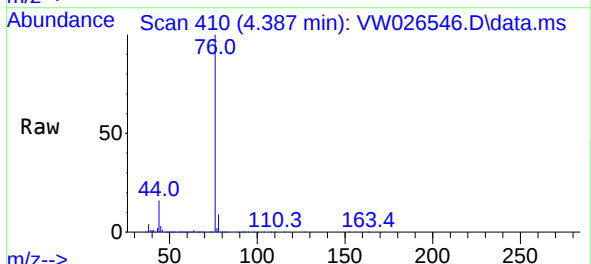
Instrument :  
MSVOA\_W  
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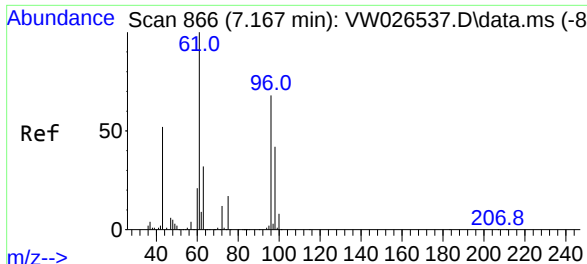
Tgt Ion: 43 Resp: 349552  
Ion Ratio Lower Upper  
43 100  
58 25.1 0.0 59.6



#14  
Carbon disulfide  
Concen: 6.137 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.012 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

Tgt Ion: 76 Resp: 240129  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8

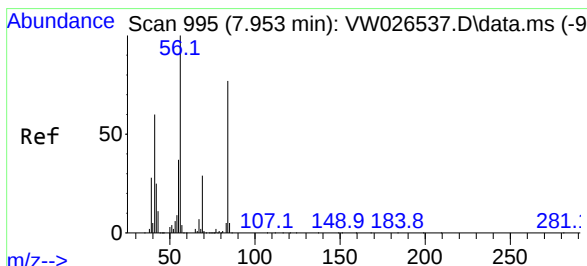
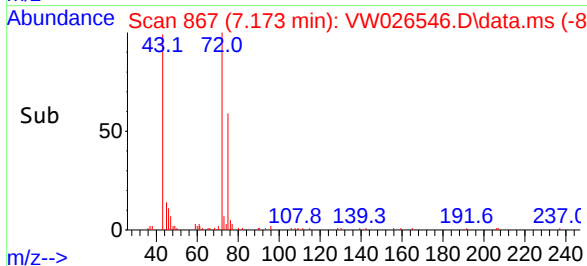
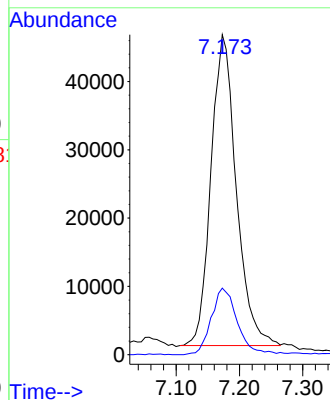
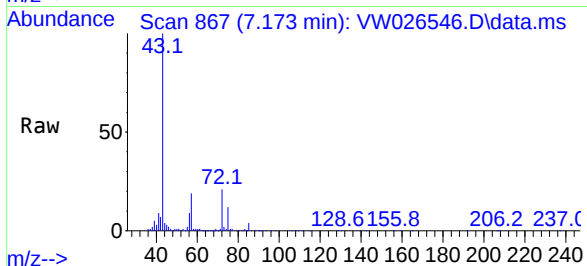




#22  
2-Butanone  
Concen: 19.498 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. -0.000 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

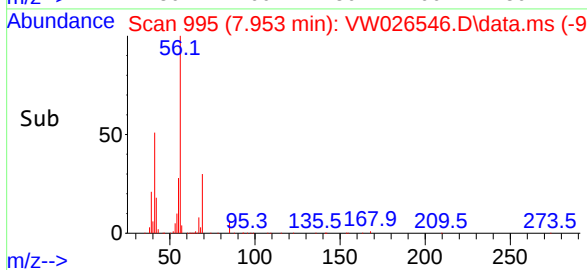
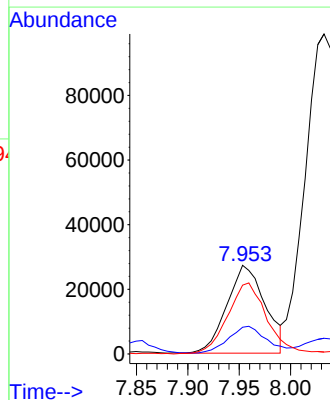
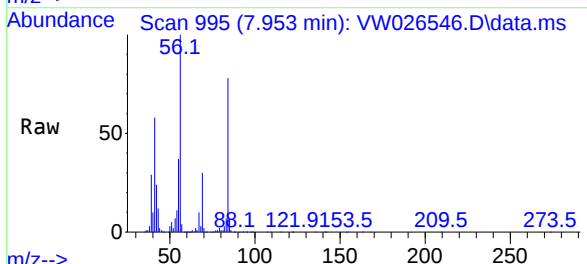
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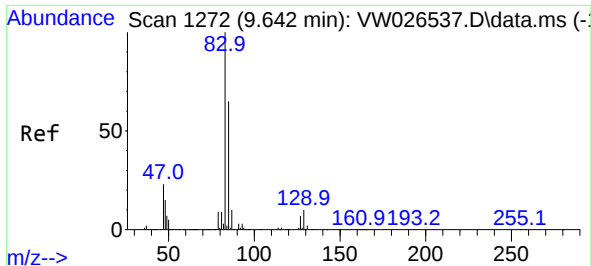
Tgt Ion: 43 Resp: 126459  
Ion Ratio Lower Upper  
43 100  
72 21.6 12.0 36.1



#29  
Cyclohexane  
Concen: 3.903 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

Tgt Ion: 56 Resp: 70356  
Ion Ratio Lower Upper  
56 100  
69 29.7 22.9 34.3  
84 83.5 62.5 93.7

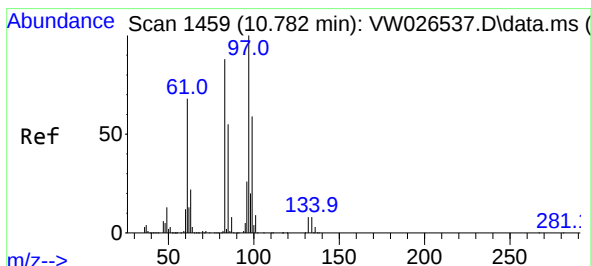
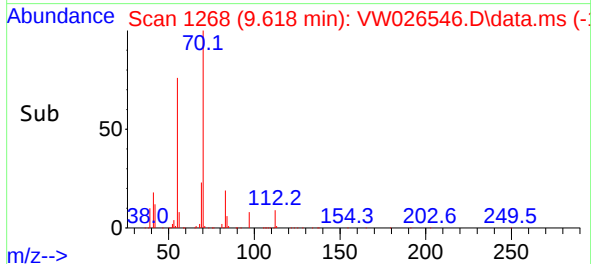
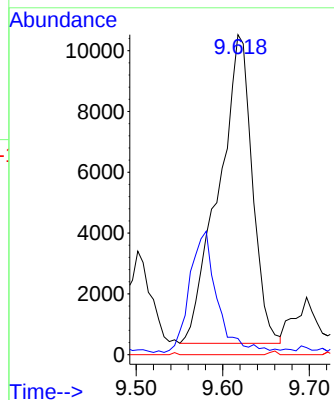
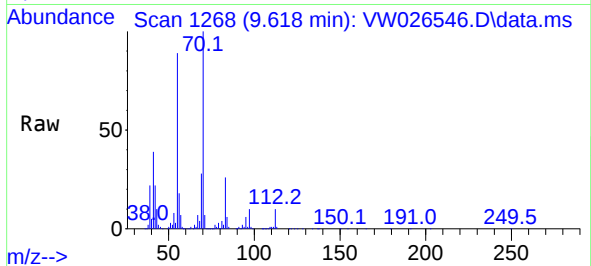




#38  
Bromodichloromethane  
Concen: 2.024 ug/L  
RT: 9.618 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

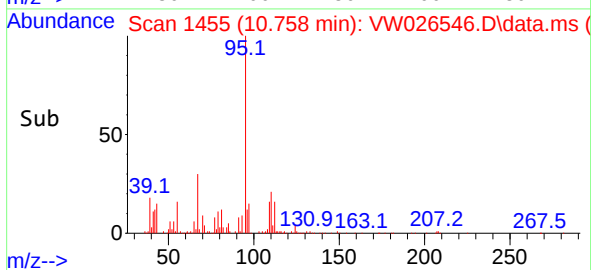
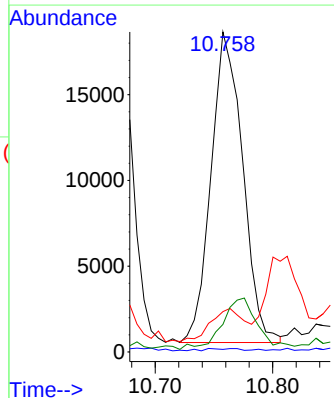
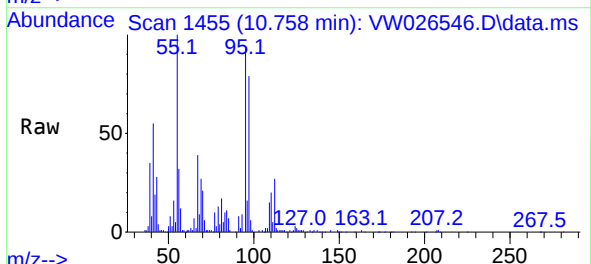
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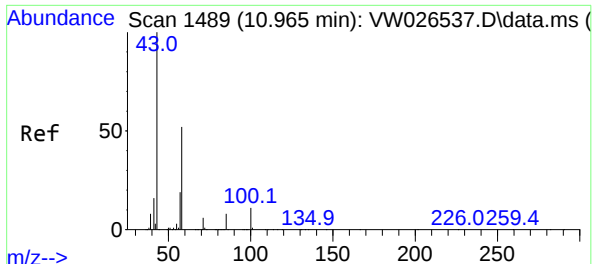
Tgt Ion: 83 Resp: 27423  
Ion Ratio Lower Upper  
83 100  
85 5.1 45.4 84.2#  
127 0.0 5.2 7.8#



#45  
1,1,2-Trichloroethane  
Concen: 4.015 ug/L  
RT: 10.758 min Scan# 1455  
Delta R.T. -0.024 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

Tgt Ion: 97 Resp: 33879  
Ion Ratio Lower Upper  
97 100  
99 0.8 42.1 78.1#  
83 12.6 59.9 111.3#  
85 8.6 39.1 72.7#



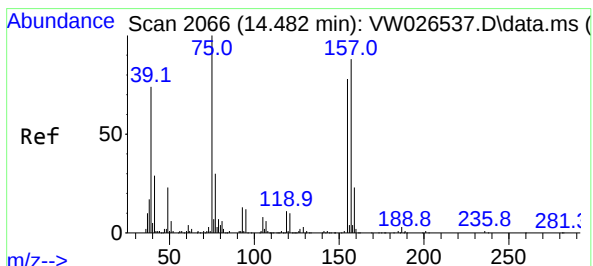
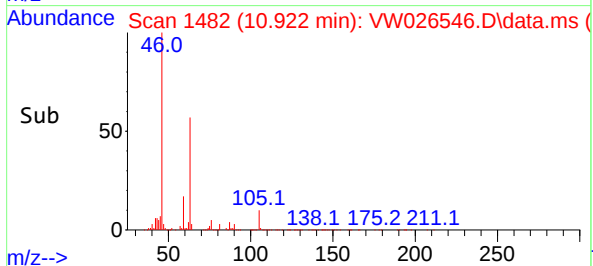
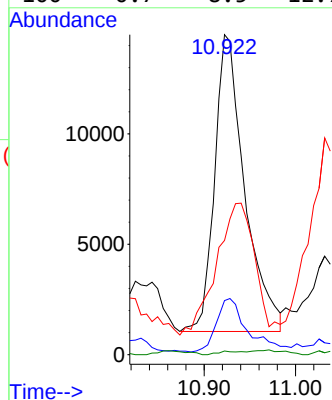
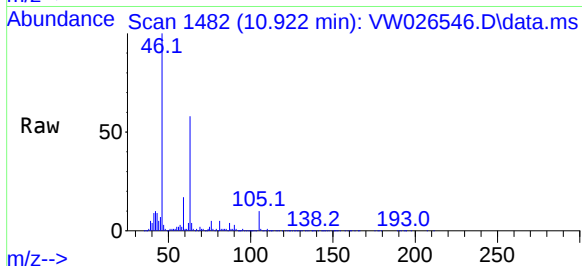


#48  
2-Hexanone  
Concen: 4.962 ug/L  
RT: 10.922 min Scan# 1482  
Delta R.T. -0.043 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

Instrument :  
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ClientSampleId :  
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Tgt Ion: 43 Resp: 30736

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 16.5  | 39.9  | 59.9# |
| 57  | 55.7  | 14.1  | 21.1# |
| 100 | 0.7   | 8.5   | 12.7# |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.120 ug/L  
RT: 14.641 min Scan# 2092  
Delta R.T. 0.158 min  
Lab File: VW026546.D  
Acq: 06 Jul 2023 16:54

Tgt Ion: 75 Resp: 1255

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 155 | 122.8 | 57.3  | 85.9#  |
| 157 | 29.3  | 76.9  | 115.3# |

