

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079102.D  
 Acq On : 30 May 2024 17:56  
 Operator : RP/MD  
 Sample : P2640-19  
 Misc : 5.04G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 31 01:58:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration

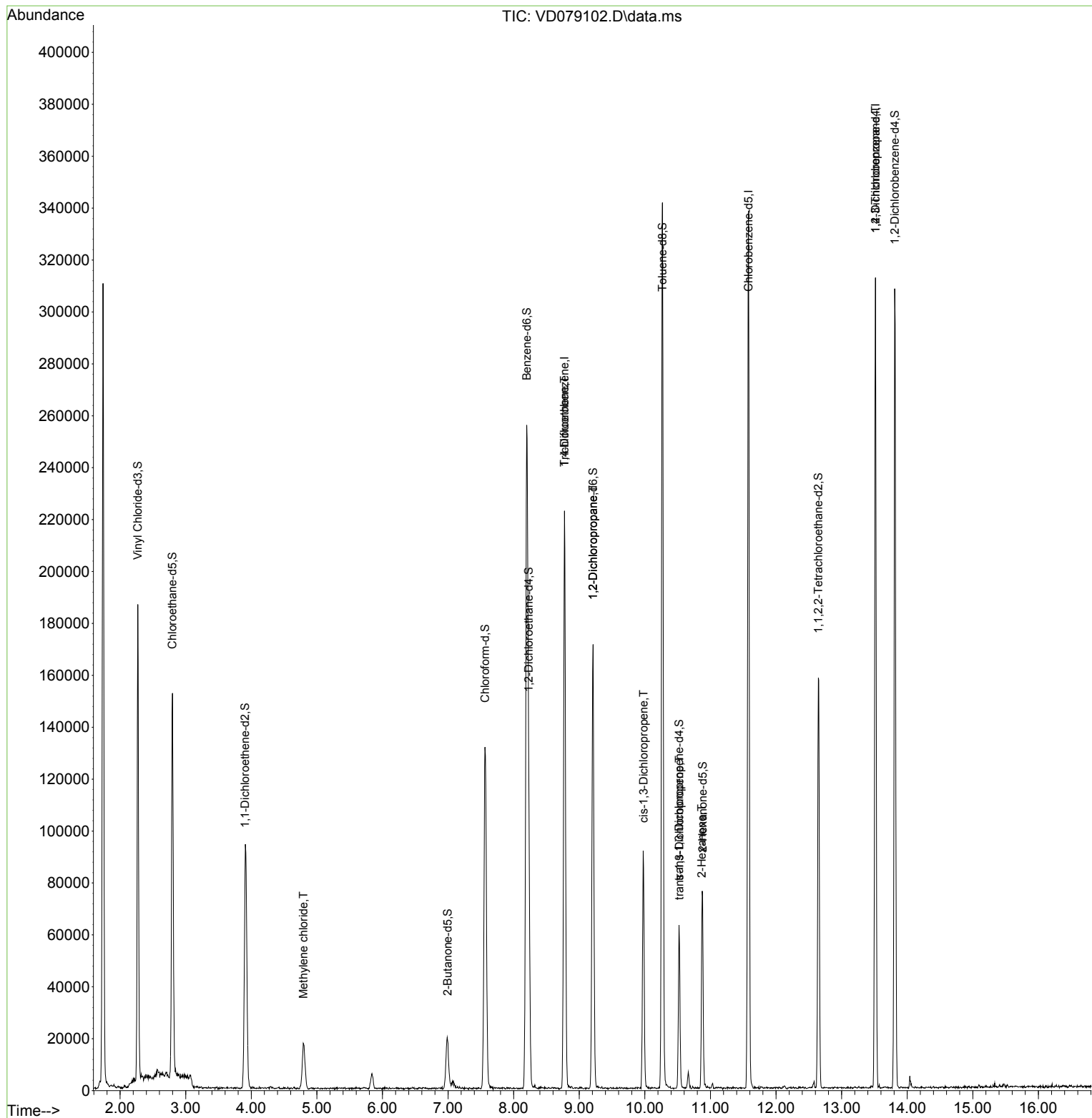
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.775     | 114   | 209307   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.581    | 117   | 211711   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 86881    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.269     | 65    | 169025   | 26.242   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 104.960% |          |
| 7) Chloroethane-d5            | 2.799     | 69    | 155621   | 24.987   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 99.960%  |          |
| 11) 1,1-Dichloroethene-d2     | 3.905     | 65    | 13460    | 11.772   | ug/L       | -0.02    |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 47.080%  |          |
| 21) 2-Butanone-d5             | 6.993     | 46    | 32196    | 65.352   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 130.700% |          |
| 24) Chloroform-d              | 7.563     | 84    | 146937   | 25.107   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 100.440% |          |
| 26) 1,2-Dichloroethane-d4     | 8.228     | 65    | 73977    | 27.402   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 109.600% |          |
| 32) Benzene-d6                | 8.199     | 84    | 292674   | 24.937   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 99.760%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.210     | 67    | 84359    | 24.953   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 99.800%  |          |
| 41) Toluene-d8                | 10.269    | 98    | 254946   | 23.200   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 92.800%  |          |
| 43) trans-1,3-Dichloroprop... | 10.522    | 79    | 36554    | 25.724   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 102.880% |          |
| 47) 2-Hexanone-d5             | 10.881    | 63    | 28821    | 65.944   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 131.880% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645    | 84    | 85012    | 28.389   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 113.560% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.810    | 152   | 89597    | 29.881   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 119.520% |          |
| Target Compounds              |           |       |          |          |            |          |
| 16) Methylene chloride        | 4.793     | 84    | 14377    | 3.855    | ug/L       | 89       |
| 34) Trichloroethene           | 8.775     | 95    | 5705     | 1.757    | ug/L #     | 1        |
| 37) 1,2-Dichloropropane       | 9.210     | 63    | 8987     | 2.910    | ug/L #     | 85       |
| 39) cis-1,3-Dichloropropene   | 9.981     | 75    | 2709     | 0.562    | ug/L #     | 81       |
| 44) trans-1,3-Dichloropropene | 10.528    | 75    | 1753     | 0.430    | ug/L #     | 63       |
| 48) 2-Hexanone                | 10.869    | 43    | 2957     | 2.650    | ug/L #     | 60       |
| 61) 1,2,3-Trichloropropane    | 13.516    | 75    | 9955     | 6.490    | ug/L #     | 63       |
| -----                         |           |       |          |          |            |          |

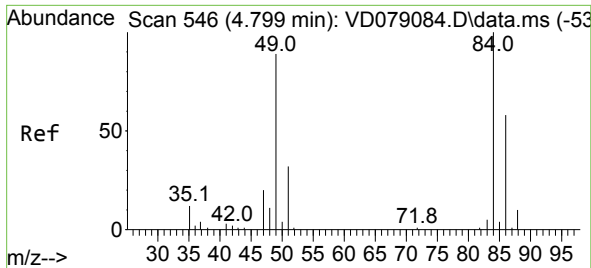
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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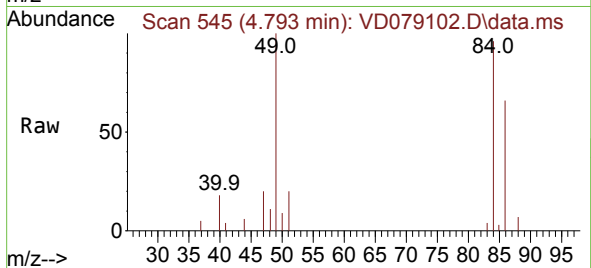
Quant Time: May 31 01:58:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
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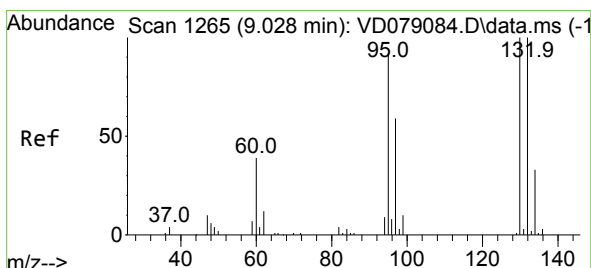
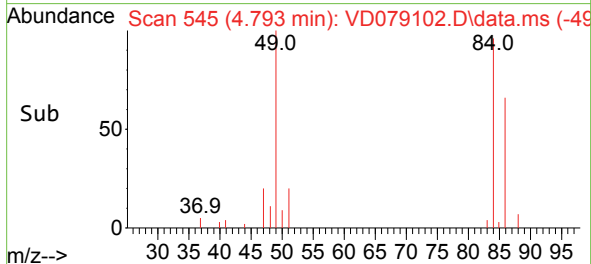
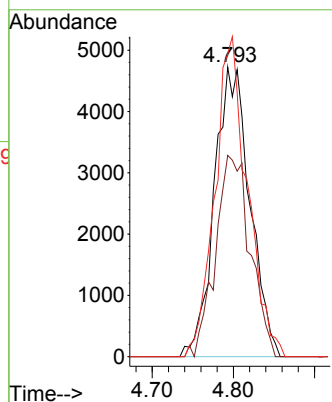
#16  
Methylene chloride  
Concen: 3.855 ug/L  
RT: 4.793 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD079102.D  
Acq: 30 May 2024 17:56

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 84 Resp: 14377

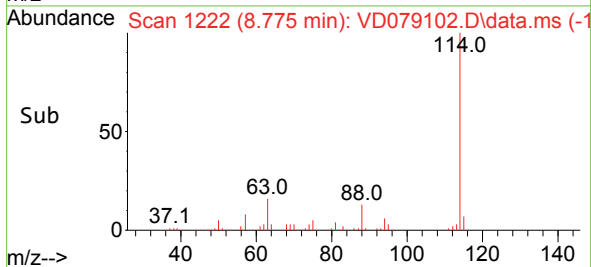
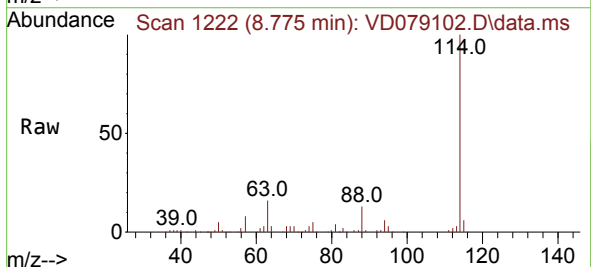
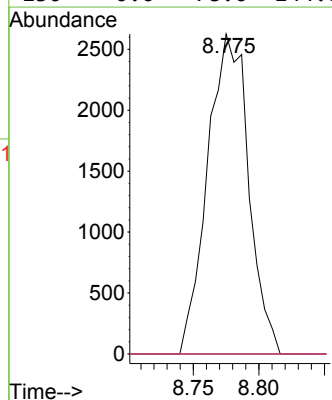
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 69.5  | 40.9  | 76.0  |
| 49  | 104.5 | 67.5  | 125.3 |

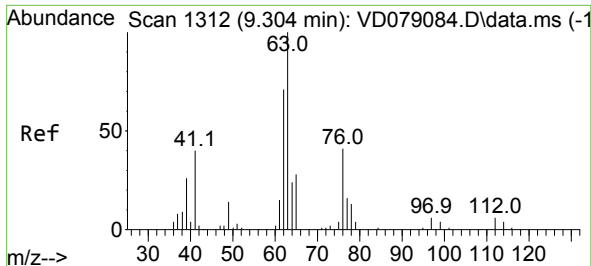


#34  
Trichloroethene  
Concen: 1.757 ug/L  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.253 min  
Lab File: VD079102.D  
Acq: 30 May 2024 17:56

Tgt Ion: 95 Resp: 5705

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 44.6  | 82.8#  |
| 132 | 0.0   | 74.9  | 139.1# |
| 130 | 0.0   | 78.0  | 144.8# |





#37

1,2-Dichloropropane

Concen: 2.910 ug/L

RT: 9.210 min Scan# 11

Delta R.T. -0.094 min

Lab File: VD079102.D

Acq: 30 May 2024 17:56

Instrument :

MSVOA\_D

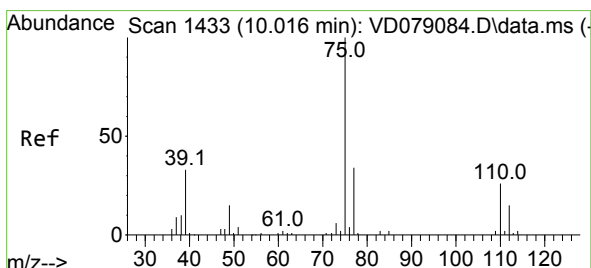
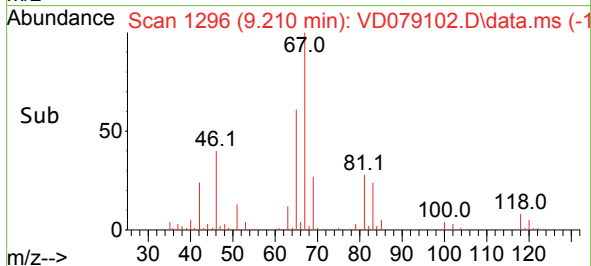
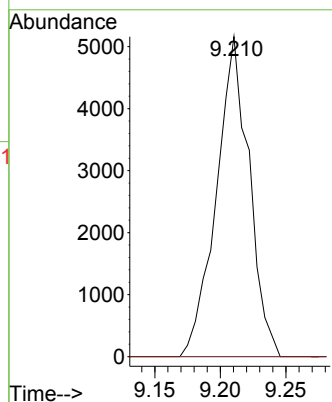
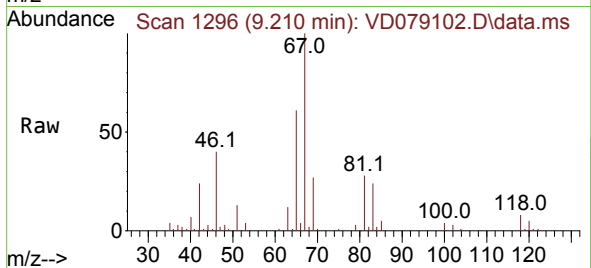
ClientSampleId :

Tgt Ion: 63 Resp: 8987

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.562 ug/L

RT: 9.981 min Scan# 1427

Delta R.T. -0.035 min

Lab File: VD079102.D

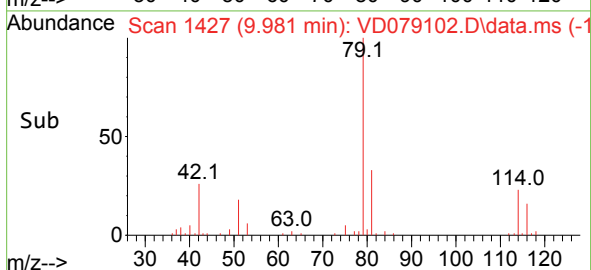
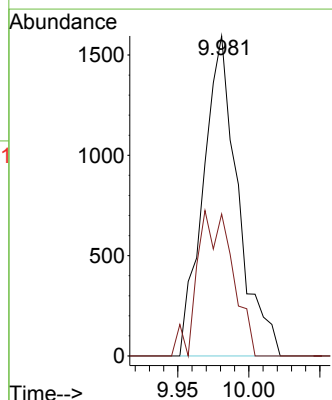
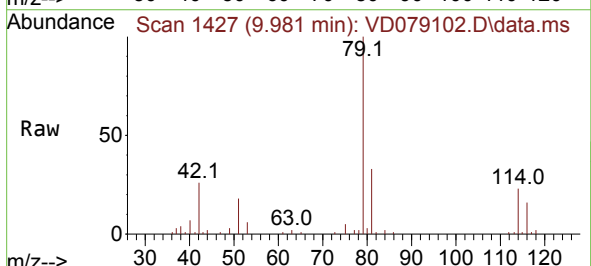
Acq: 30 May 2024 17:56

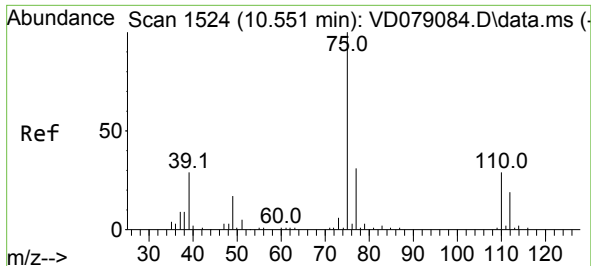
Tgt Ion: 75 Resp: 2709

Ion Ratio Lower Upper

75 100

77 44.3 23.4 43.4#

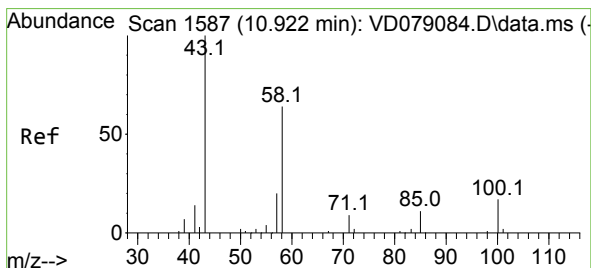
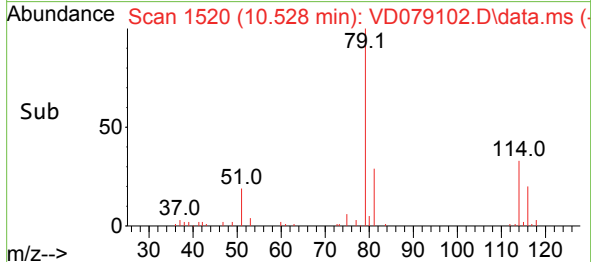
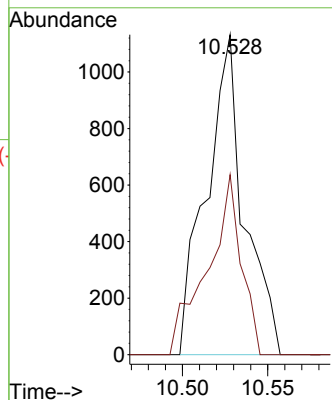
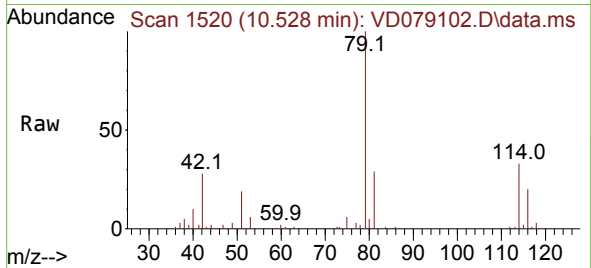




#44  
trans-1,3-Dichloropropene  
Concen: 0.430 ug/L  
RT: 10.528 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VD079102.D  
Acq: 30 May 2024 17:56

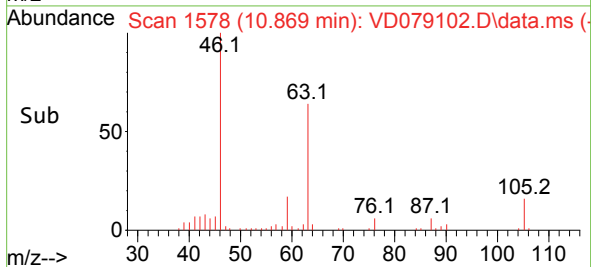
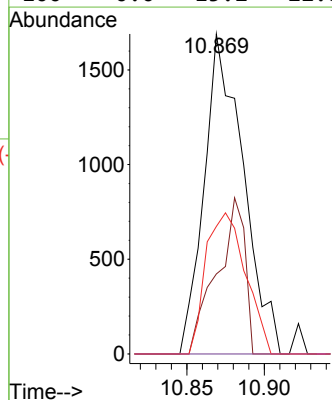
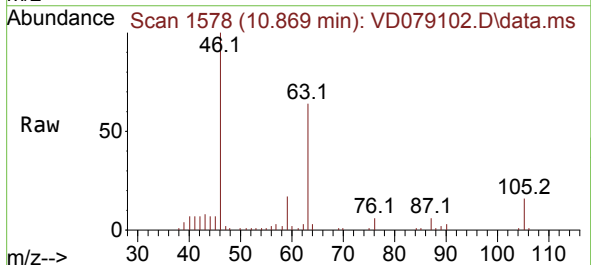
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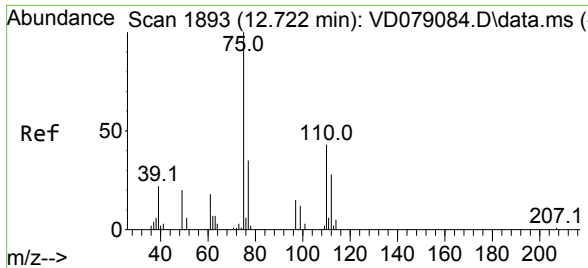
Tgt Ion: 75 Resp: 1753  
Ion Ratio Lower Upper  
75 100  
77 56.3 24.3 45.1#



#48  
2-Hexanone  
Concen: 2.650 ug/L  
RT: 10.869 min Scan# 1578  
Delta R.T. -0.053 min  
Lab File: VD079102.D  
Acq: 30 May 2024 17:56

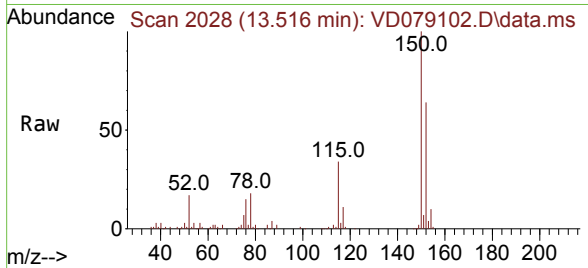
Tgt Ion: 43 Resp: 2957  
Ion Ratio Lower Upper  
43 100  
58 34.9 50.1 75.1#  
57 45.1 16.5 24.7#  
100 0.0 15.2 22.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 6.490 ug/L  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.794 min  
 Lab File: VD079102.D  
 Acq: 30 May 2024 17:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9955  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.5  | 25.9  | 38.9  |
| 110      | 1.2   | 34.2  | 51.4# |

