

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050523\  
 Data File : VV030998.D  
 Acq On : 05 May 2023 16:43  
 Operator : SY/MD  
 Sample : 02613-06  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

Quant Time: May 06 01:48:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 06 01:44:36 2023  
 Response via : Initial Calibration

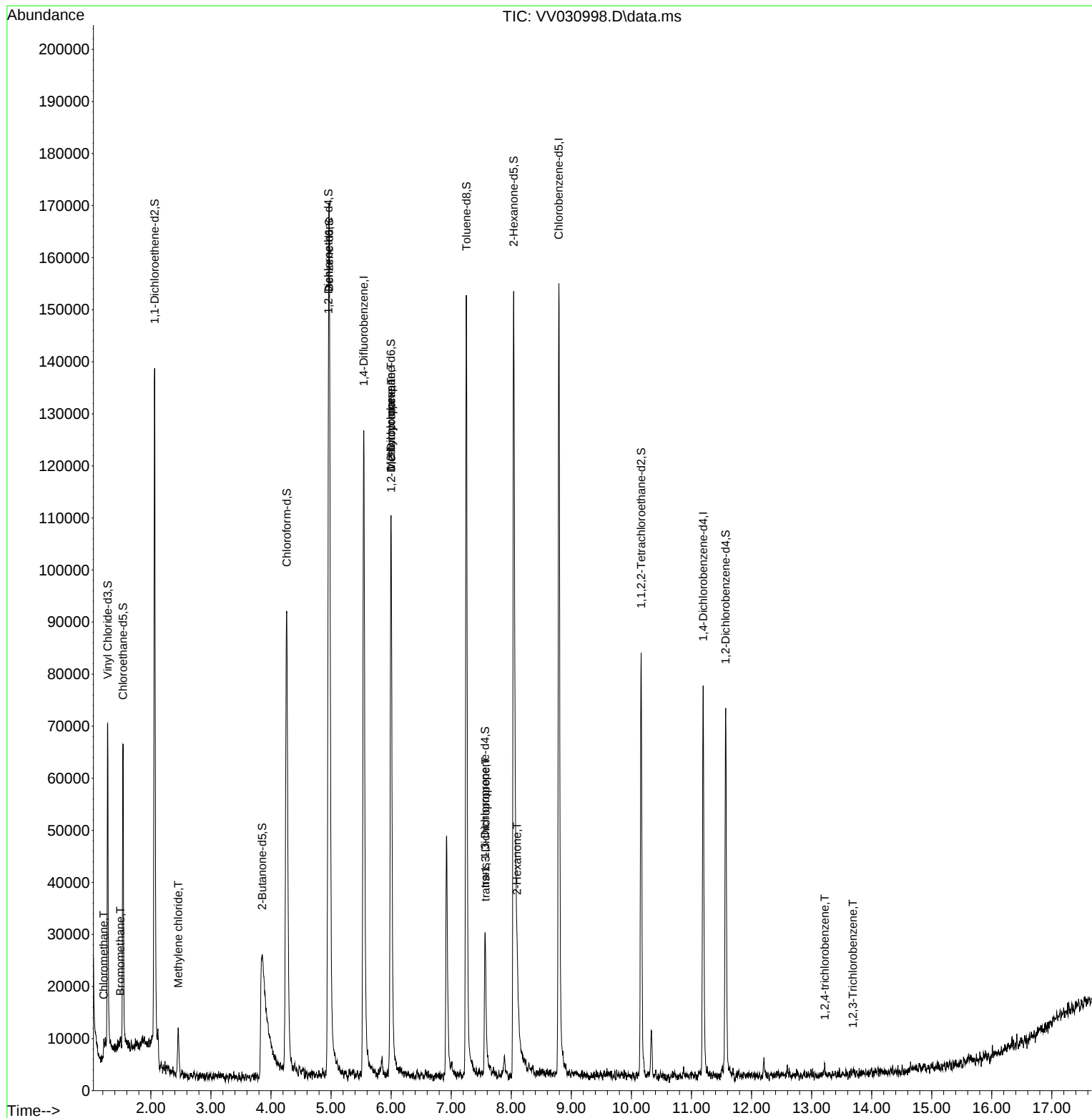
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114            | 110942   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117            | 85963    | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152            | 21812    | 5.000  | ug/L      | 0.00     |
|                               |        |                |          |        |           |          |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65             | 42862    | 4.689  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 93.800%   |          |
| 7) Chloroethane-d5            | 1.535  | 69             | 37170    | 4.985  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 99.600%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65             | 21228    | 4.388  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 87.800%   |          |
| 20) 2-Butanone-d5             | 3.854  | 46             | 50506    | 31.160 | ug/L      | 0.02     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 62.320%   |          |
| 24) Chloroform-d              | 4.262  | 84             | 94043    | 5.177  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.956  | 65             | 50003    | 5.414  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 108.200%  |          |
| 32) Benzene-d6                | 4.969  | 84             | 143868   | 5.710  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 114.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67             | 45390    | 6.195  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 123.800%  |          |
| 41) Toluene-d8                | 7.252  | 98             | 101121   | 4.214  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 84.200%   |          |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79             | 17666    | 6.432  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 128.600%  |          |
| 46) 2-Hexanone-d5             | 8.040  | 63             | 60838    | 63.223 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 126.440%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84             | 35162    | 6.621  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 132.400%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152            | 19033    | 4.681  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.600%   |          |
|                               |        |                |          |        |           |          |
| Target Compounds              |        |                |          |        |           | Qvalue   |
| 3) Chloromethane              | 1.214  | 50             | 1196     | 0.116  | ug/L      | 99       |
| 6) Bromomethane               | 1.490  | 94             | 527      | 0.129  | ug/L      | 98       |
| 16) Methylene chloride        | 2.458  | 84             | 3328     | 0.394  | ug/L      | 88       |
| 35) Methylcyclohexane         | 5.998  | 83             | 12643    | 1.415  | ug/L #    | 17       |
| 37) 1,2-Dichloropropane       | 6.001  | 63             | 6403     | 1.248  | ug/L #    | 88       |
| 44) trans-1,3-Dichloropropene | 7.571  | 75             | 1144     | 0.175  | ug/L      | 88       |
| 48) 2-Hexanone                | 8.098  | 43             | 9936     | 4.875  | ug/L #    | 84       |
| 70) 1,2,4-trichlorobenzene    | 13.220 | 180            | 415      | 0.113  | ug/L #    | 67       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180            | 269      | 0.086  | ug/L #    | 78       |
| -----                         |        |                |          |        |           |          |

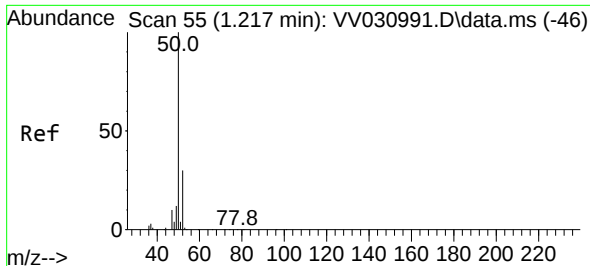
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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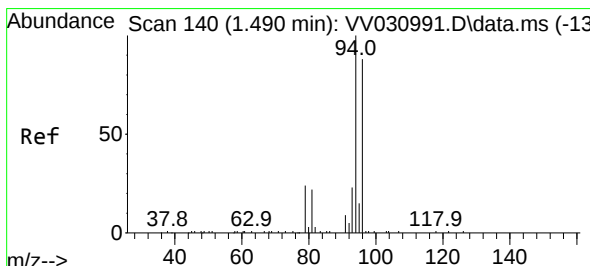
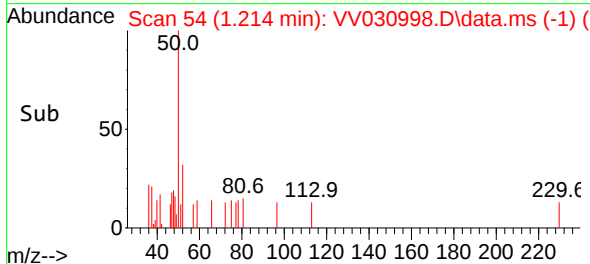
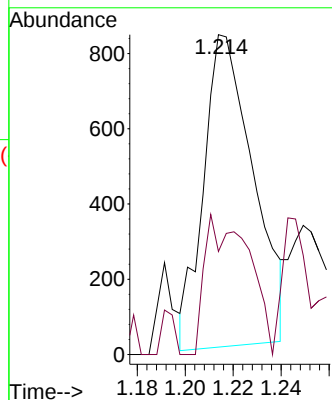
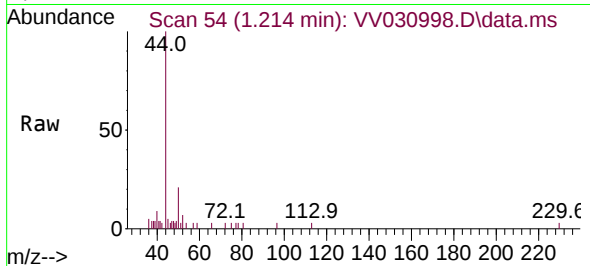




#3  
Chloromethane  
Concen: 0.116 ug/L  
RT: 1.214 min Scan# 54  
Delta R.T. -0.003 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

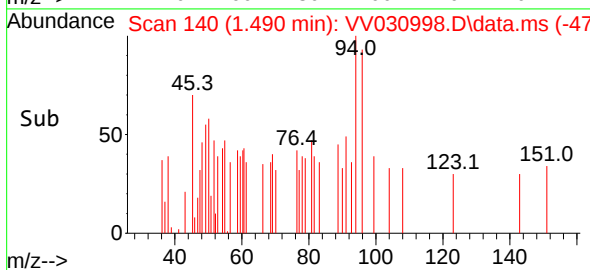
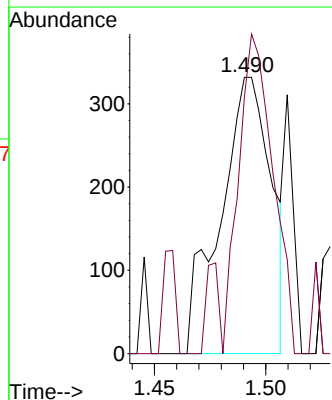
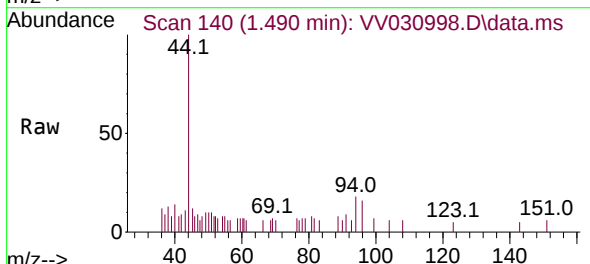
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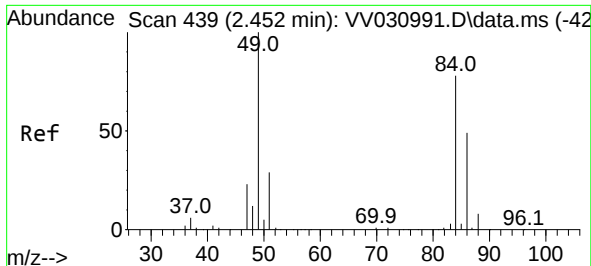
Tgt Ion: 50 Resp: 1196  
Ion Ratio Lower Upper  
50 100  
52 32.2 22.8 42.4



#6  
Bromomethane  
Concen: 0.129 ug/L  
RT: 1.490 min Scan# 140  
Delta R.T. 0.000 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

Tgt Ion: 94 Resp: 527  
Ion Ratio Lower Upper  
94 100  
96 92.8 63.4 117.8

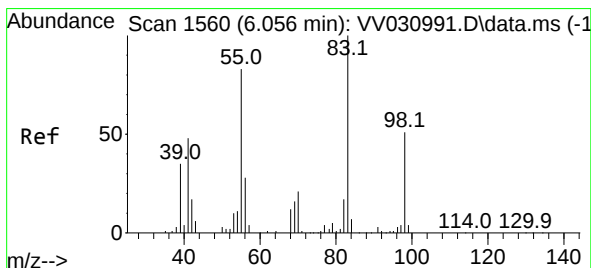
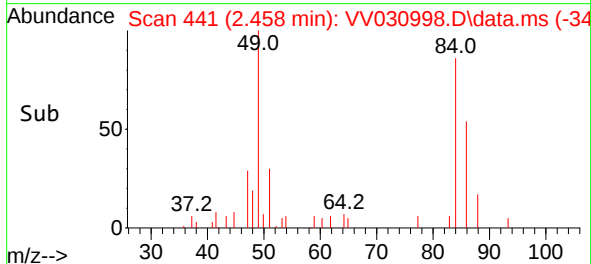
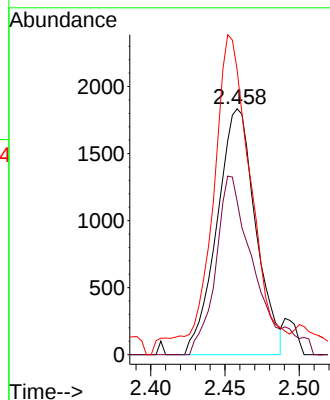
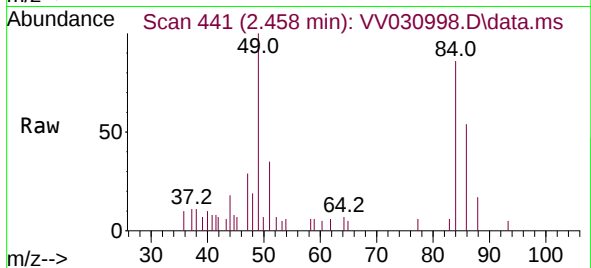




#16  
Methylene chloride  
Concen: 0.394 ug/L  
RT: 2.458 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

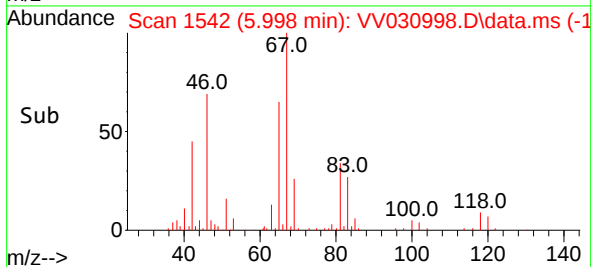
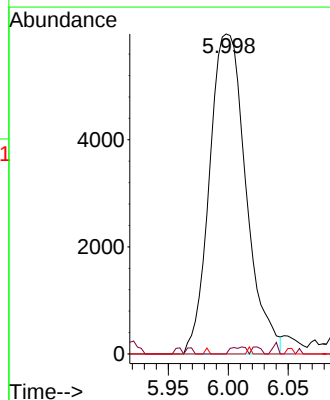
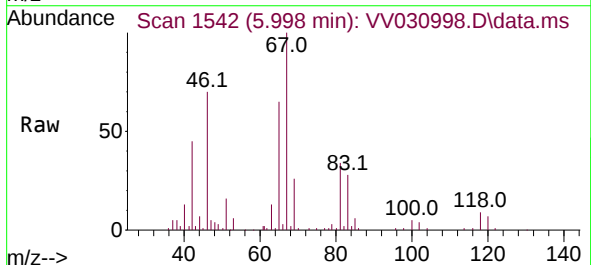
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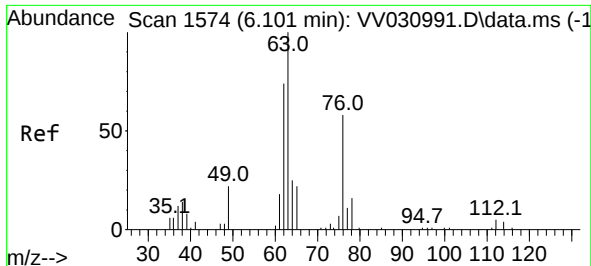
Tgt Ion: 84 Resp: 3328  
Ion Ratio Lower Upper  
84 100  
86 62.3 46.1 85.5  
49 115.8 94.3 175.1



#35  
Methylcyclohexane  
Concen: 1.415 ug/L  
RT: 5.998 min Scan# 1542  
Delta R.T. -0.058 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

Tgt Ion: 83 Resp: 12643  
Ion Ratio Lower Upper  
83 100  
55 0.9 62.9 94.3#  
98 0.0 40.5 60.7#





#37

1,2-Dichloropropane

Concen: 1.248 ug/L

RT: 6.001 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV030998.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA\_V

ClientSampleId :

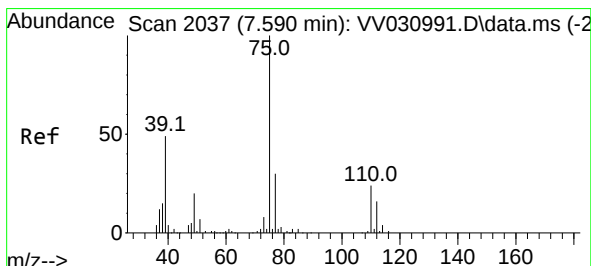
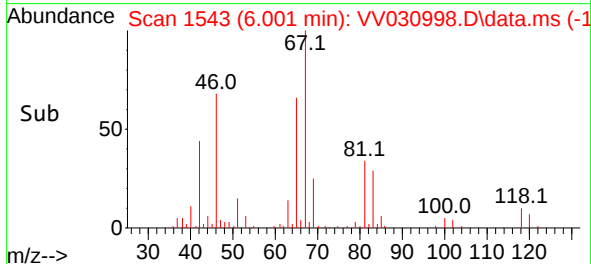
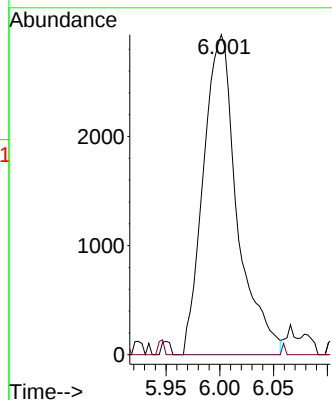
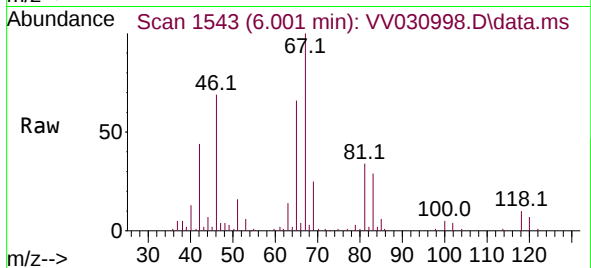
VHBLK001

Tgt Ion: 63 Resp: 6403

Ion Ratio Lower Upper

63 100

112 0.8 3.8 5.8#



#44

trans-1,3-Dichloropropene

Concen: 0.175 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. -0.019 min

Lab File: VV030998.D

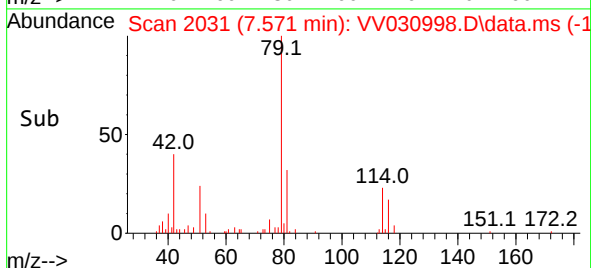
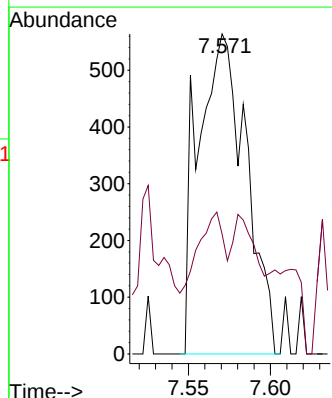
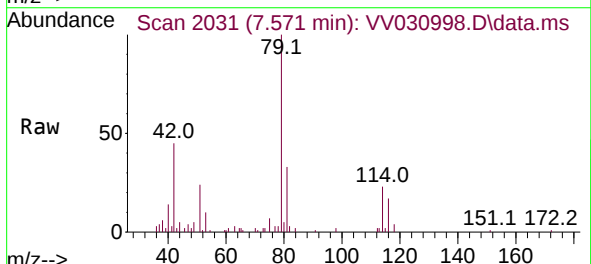
Acq: 05 May 2023 16:43

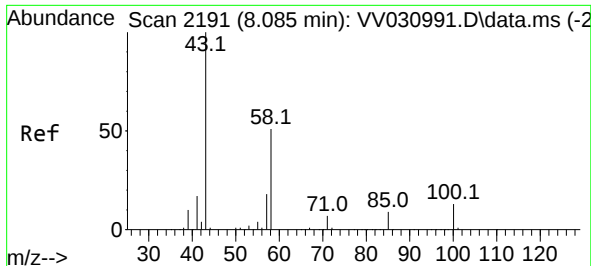
Tgt Ion: 75 Resp: 1144

Ion Ratio Lower Upper

75 100

77 37.4 21.6 40.0

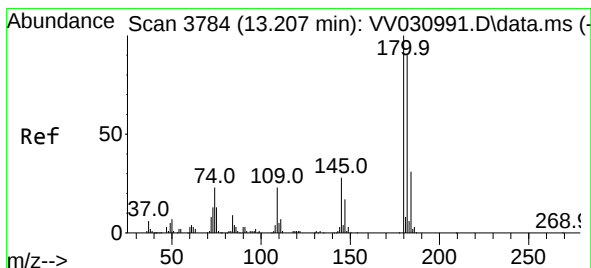
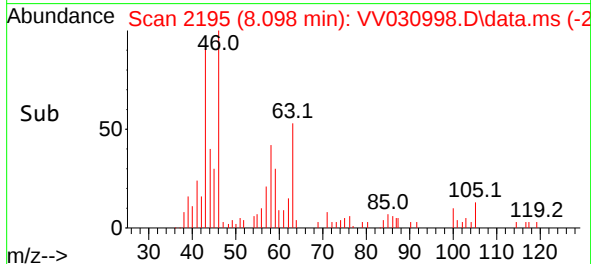
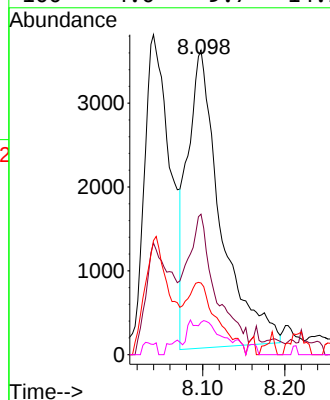
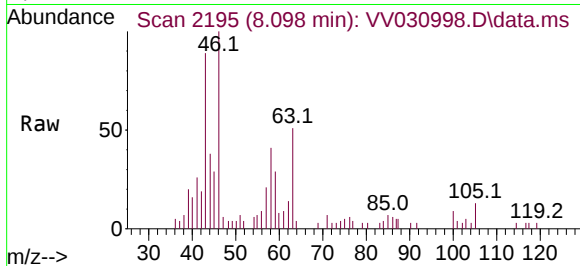




#48  
2-Hexanone  
Concen: 4.875 ug/L  
RT: 8.098 min Scan# 2191  
Delta R.T. 0.013 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

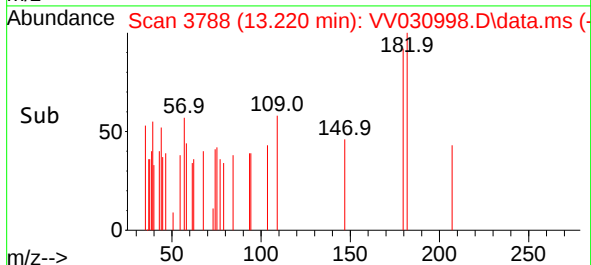
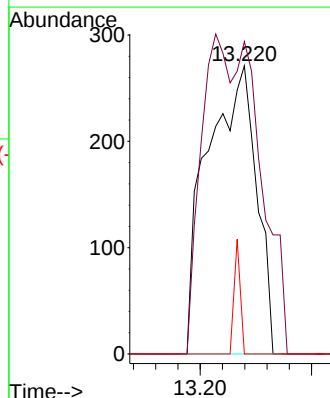
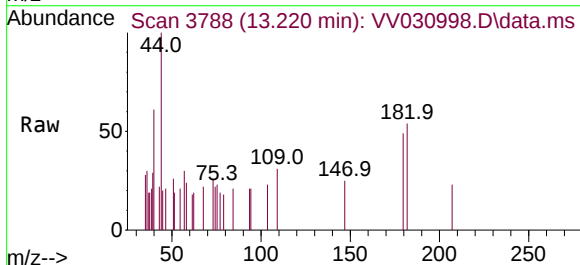
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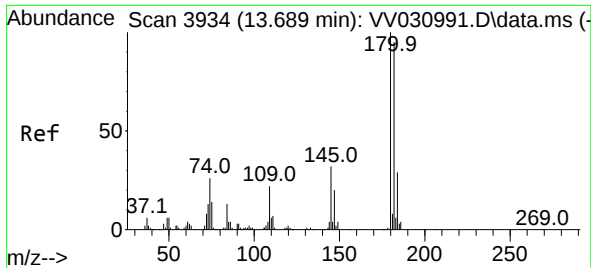
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 9936  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 38.1     | 39.9 59.9#  |
| 57 21.8     | 14.1 21.1#  |
| 100 4.0     | 9.7 14.5#   |



#70  
1,2,4-trichlorobenzene  
Concen: 0.113 ug/L  
RT: 13.220 min Scan# 3788  
Delta R.T. 0.013 min  
Lab File: VV030998.D  
Acq: 05 May 2023 16:43

|             |       |       |        |
|-------------|-------|-------|--------|
| Tgt Ion:180 | Resp: | 415   |        |
| Ion         | Ratio | Lower | Upper  |
| 180         | 100   |       |        |
| 182         | 66.7  | 76.0  | 114.0# |
| 145         | 5.1   | 22.9  | 34.3#  |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.086 ug/L  
 RT: 13.686 min Scan# 3933  
 Delta R.T. -0.003 min  
 Lab File: VV030998.D  
 Acq: 05 May 2023 16:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 70.3  | 77.3  | 115.9# |
| 145     | 28.3  | 24.7  | 37.1   |

