

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060723\  
 Data File : VV031415.D  
 Acq On : 07 Jun 2023 22:20  
 Operator : SY/MD  
 Sample : 03076-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0F91

Quant Time: Jun 08 05:44:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM060723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 08 05:16:53 2023  
 Response via : Initial Calibration

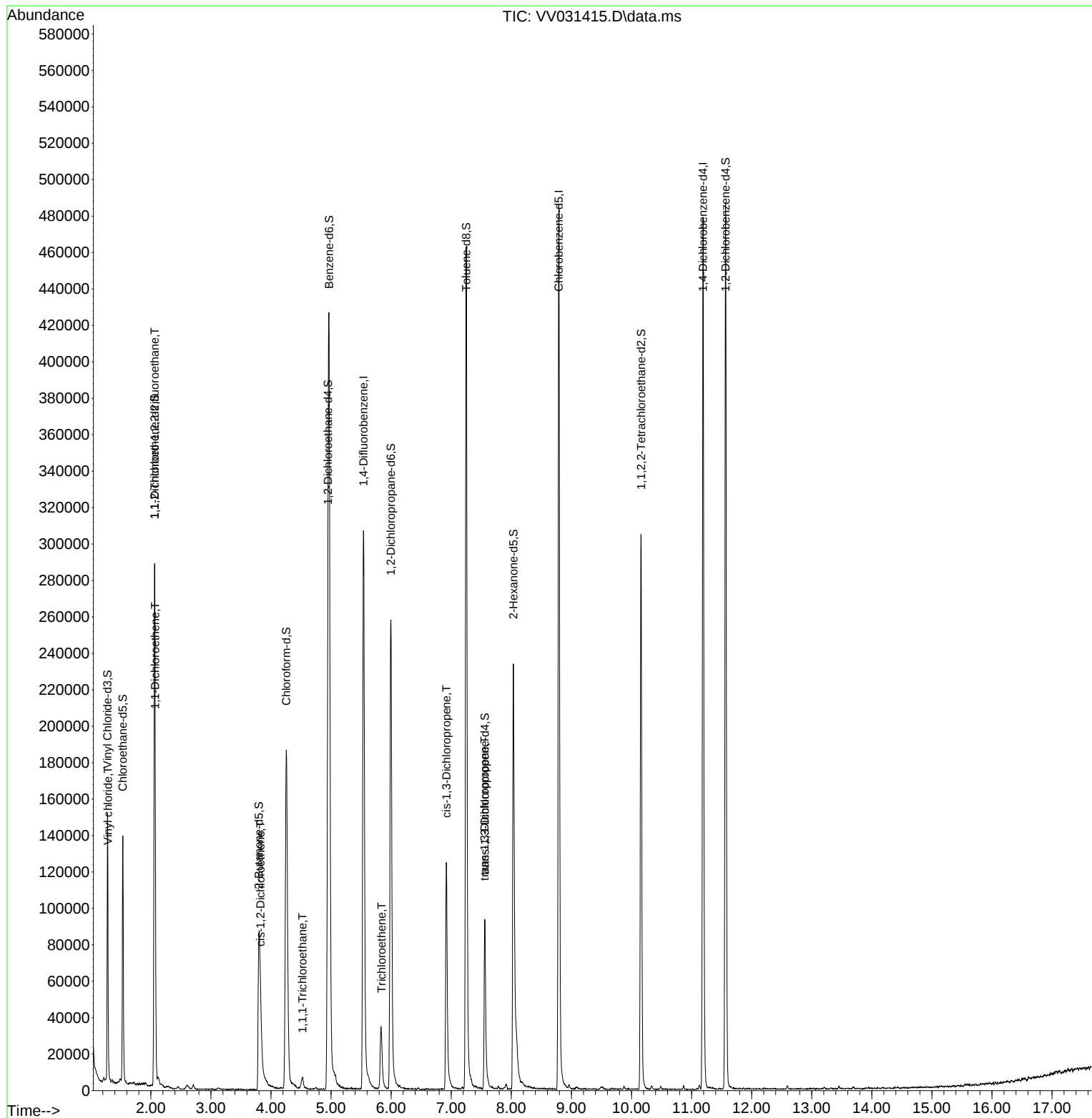
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539   | 114   | 253222   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 254877   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 121207   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 97026    | 43.550   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 87.100%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 85806    | 47.571   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 95.140%  |
| 11) 1,1-Dichloroethene-d2     | 2.063   | 65    | 47402    | 44.892   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.780%  |
| 21) 2-Butanone-d5             | 3.799   | 46    | 149206   | 92.668   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 92.670%  |
| 24) Chloroform-d              | 4.256   | 84    | 198304   | 46.793   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.580%  |
| 26) 1,2-Dichloroethane-d4     | 4.947   | 65    | 137863   | 48.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.980%  |
| 32) Benzene-d6                | 4.966   | 84    | 355279   | 47.213   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.420%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 126407   | 48.328   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.660%  |
| 41) Toluene-d8                | 7.249   | 98    | 311826   | 45.110   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.220%  |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 57070    | 43.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.640%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 76125    | 77.273   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 77.270%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 147397   | 44.653   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.300%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 118229   | 52.583   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.160% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.285   | 62    | 818      | 0.832    | ug/L # | 1        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063   | 101   | 1553     | 1.012    | ug/L # | 39       |
| 12) 1,1-Dichloroethene        | 2.072   | 96    | 11451    | 11.335   | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 3.828   | 96    | 11129    | 7.147    | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 4.523   | 97    | 5436     | 1.807    | ug/L   | 97       |
| 34) Trichloroethene           | 5.841   | 95    | 4321     | 2.439    | ug/L   | 85       |
| 39) cis-1,3-Dichloropropene   | 6.918   | 75    | 3327     | 1.100    | ug/L # | 59       |
| 44) trans-1,3-Dichloropropene | 7.555   | 75    | 2387     | 0.778    | ug/L # | 79       |
| -----                         |         |       |          |          |        |          |

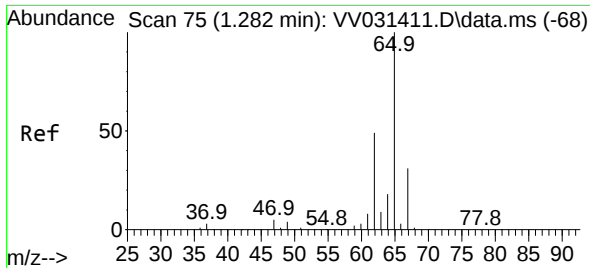
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 08 05:16:53 2023  
Response via : Initial Calibration

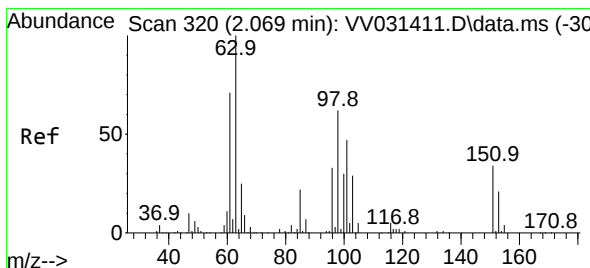
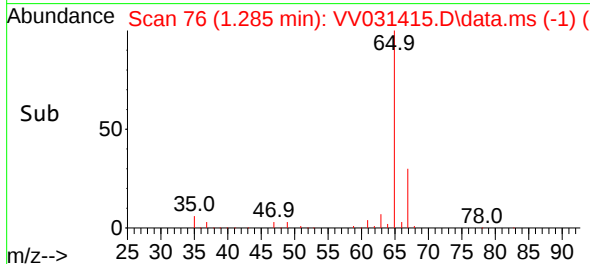
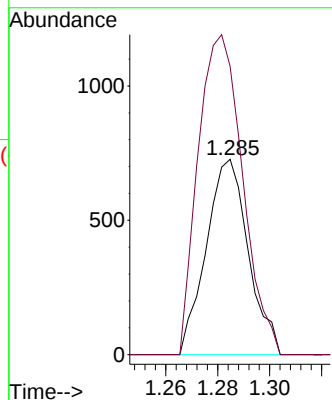
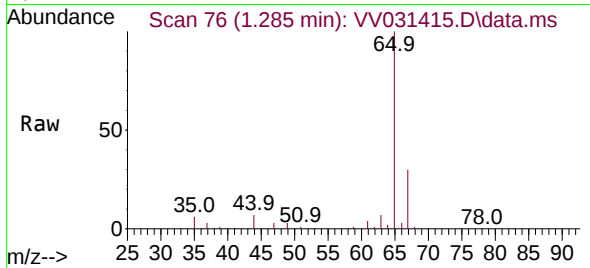




#5  
 Vinyl chloride  
 Concen: 0.832 ug/L  
 RT: 1.285 min Scan# 75  
 Delta R.T. 0.003 min  
 Lab File: VV031415.D  
 Acq: 07 Jun 2023 22:20

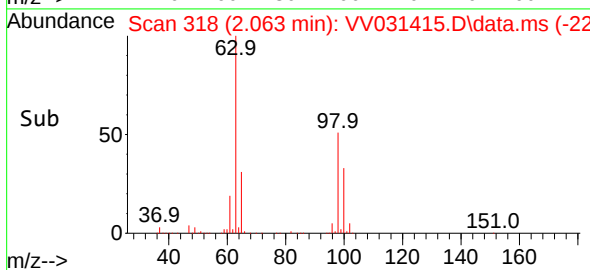
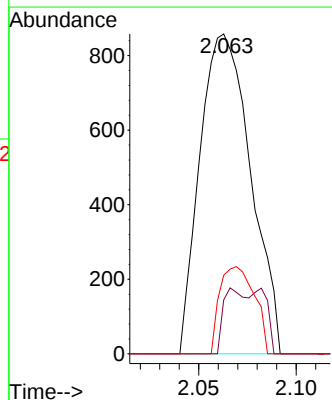
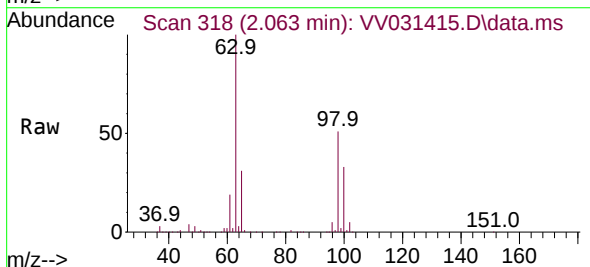
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0F91

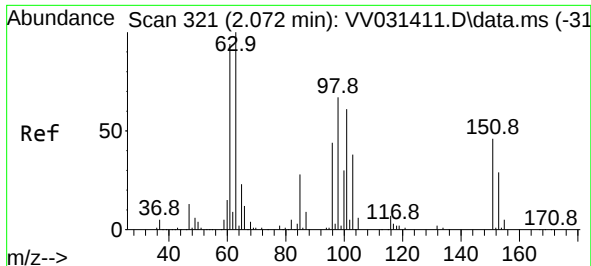
Tgt Ion: 62 Resp: 818  
 Ion Ratio Lower Upper  
 62 100  
 64 147.6 23.7 43.9#



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.012 ug/L  
 RT: 2.063 min Scan# 318  
 Delta R.T. -0.006 min  
 Lab File: VV031415.D  
 Acq: 07 Jun 2023 22:20

Tgt Ion: 101 Resp: 1553  
 Ion Ratio Lower Upper  
 101 100  
 85 9.8 37.3 55.9#  
 151 18.7 57.8 86.6#

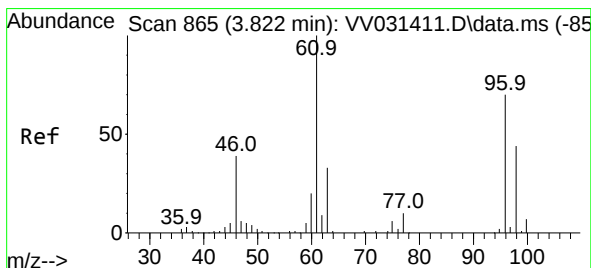
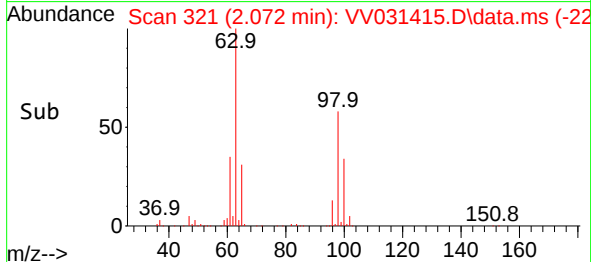
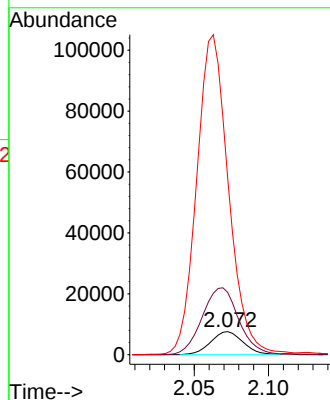
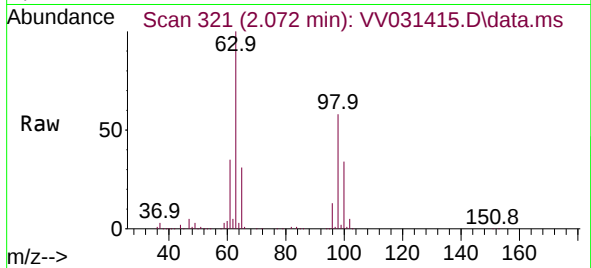




#12  
 1,1-Dichloroethene  
 Concen: 11.335 ug/L  
 RT: 2.072 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV031415.D  
 Acq: 07 Jun 2023 22:20

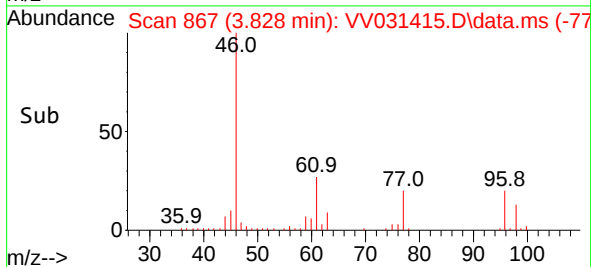
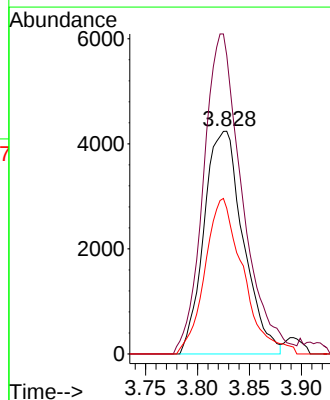
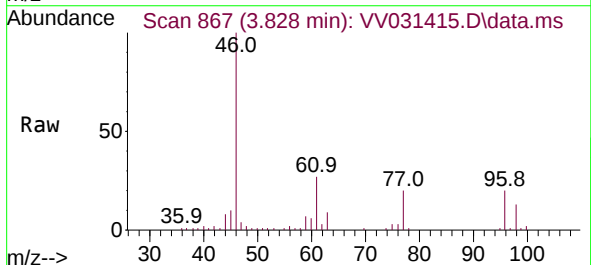
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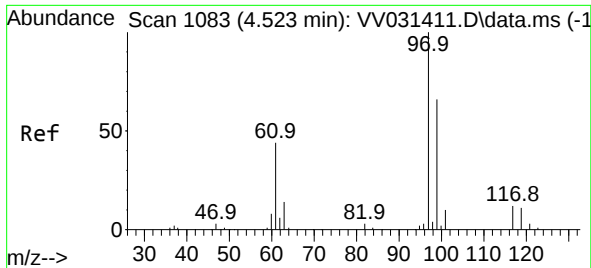
Tgt Ion: 96 Resp: 11451  
 Ion Ratio Lower Upper  
 96 100  
 61 270.3 143.9 267.3#  
 63 765.8 158.3 293.9#



#20  
 cis-1,2-Dichloroethene  
 Concen: 7.147 ug/L  
 RT: 3.828 min Scan# 867  
 Delta R.T. 0.006 min  
 Lab File: VV031415.D  
 Acq: 07 Jun 2023 22:20

Tgt Ion: 96 Resp: 11129  
 Ion Ratio Lower Upper  
 96 100  
 61 134.0 101.6 188.6  
 98 65.3 44.4 82.4

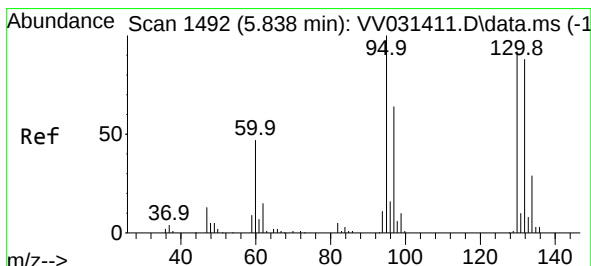
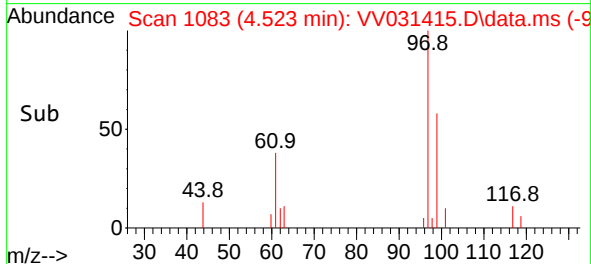
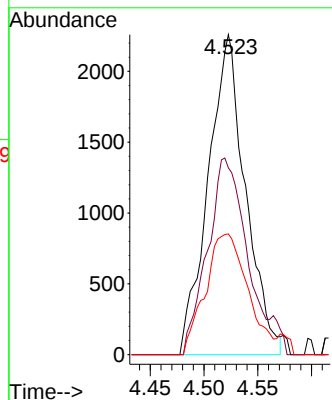
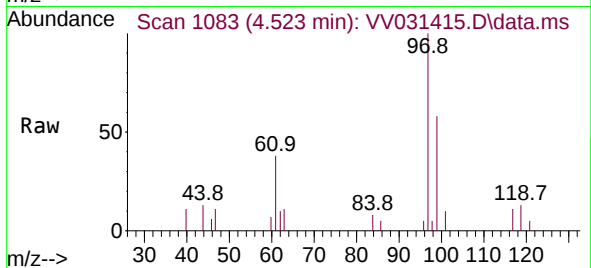




#30  
1,1,1-Trichloroethane  
Concen: 1.807 ug/L  
RT: 4.523 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VV031415.D  
Acq: 07 Jun 2023 22:20

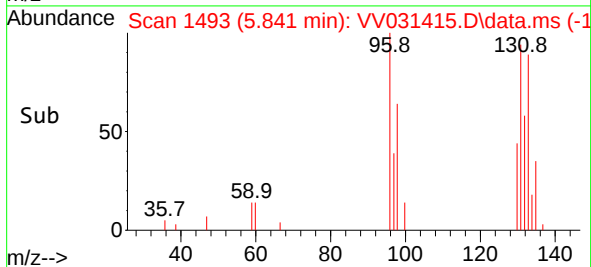
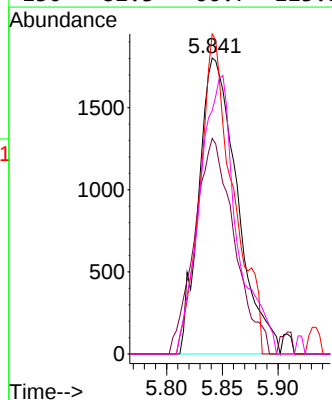
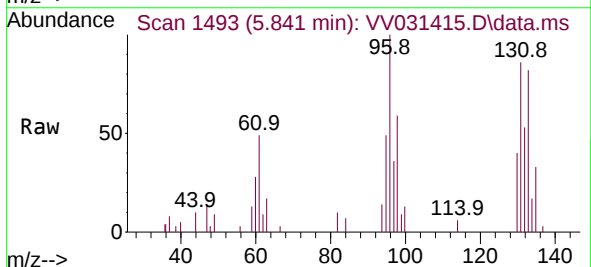
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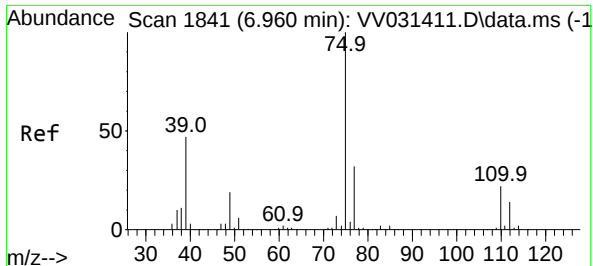
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 5436  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.2  | 51.9  | 77.9  |
| 61       | 42.9  | 36.1  | 54.1  |



#34  
Trichloroethene  
Concen: 2.439 ug/L  
RT: 5.841 min Scan# 1493  
Delta R.T. 0.003 min  
Lab File: VV031415.D  
Acq: 07 Jun 2023 22:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 4321  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 72.8  | 44.2  | 82.0  |
| 132      | 108.1 | 64.2  | 119.2 |
| 130      | 82.3  | 66.7  | 123.9 |





#39

cis-1,3-Dichloropropene

Concen: 1.100 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.042 min

Lab File: VV031415.D

Acq: 07 Jun 2023 22:20

Instrument :

MSVOA\_V

ClientSampleId :

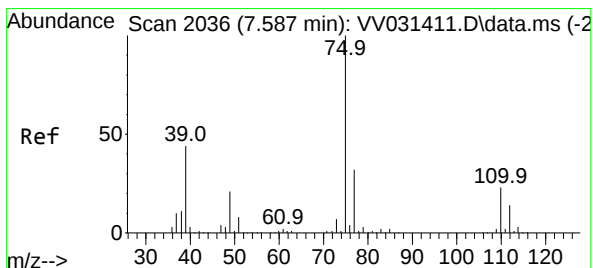
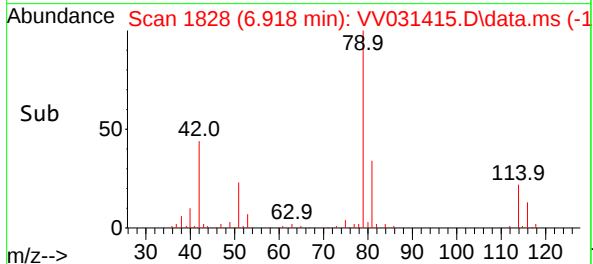
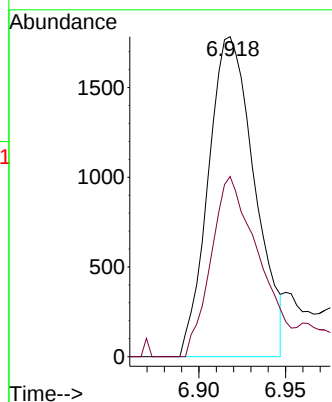
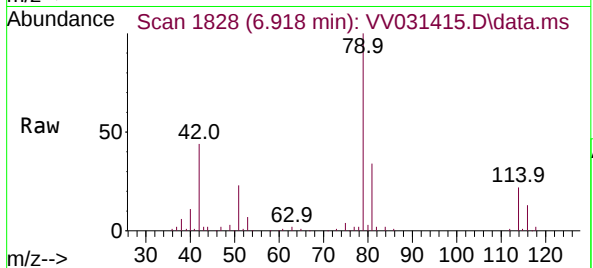
C0F91

Tgt Ion: 75 Resp: 3327

Ion Ratio Lower Upper

75 100

77 56.3 23.2 43.2#



#44

trans-1,3-Dichloropropene

Concen: 0.778 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.032 min

Lab File: VV031415.D

Acq: 07 Jun 2023 22:20

Tgt Ion: 75 Resp: 2387

Ion Ratio Lower Upper

75 100

77 43.3 22.2 41.2#

