

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061623\  
 Data File : VW031566.D  
 Acq On : 16 Jun 2023 11:18  
 Operator : SY/MD  
 Sample : 03254-03DL 20X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYZ2DL

Quant Time: Jun 17 02:27:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 17 02:08:04 2023  
 Response via : Initial Calibration

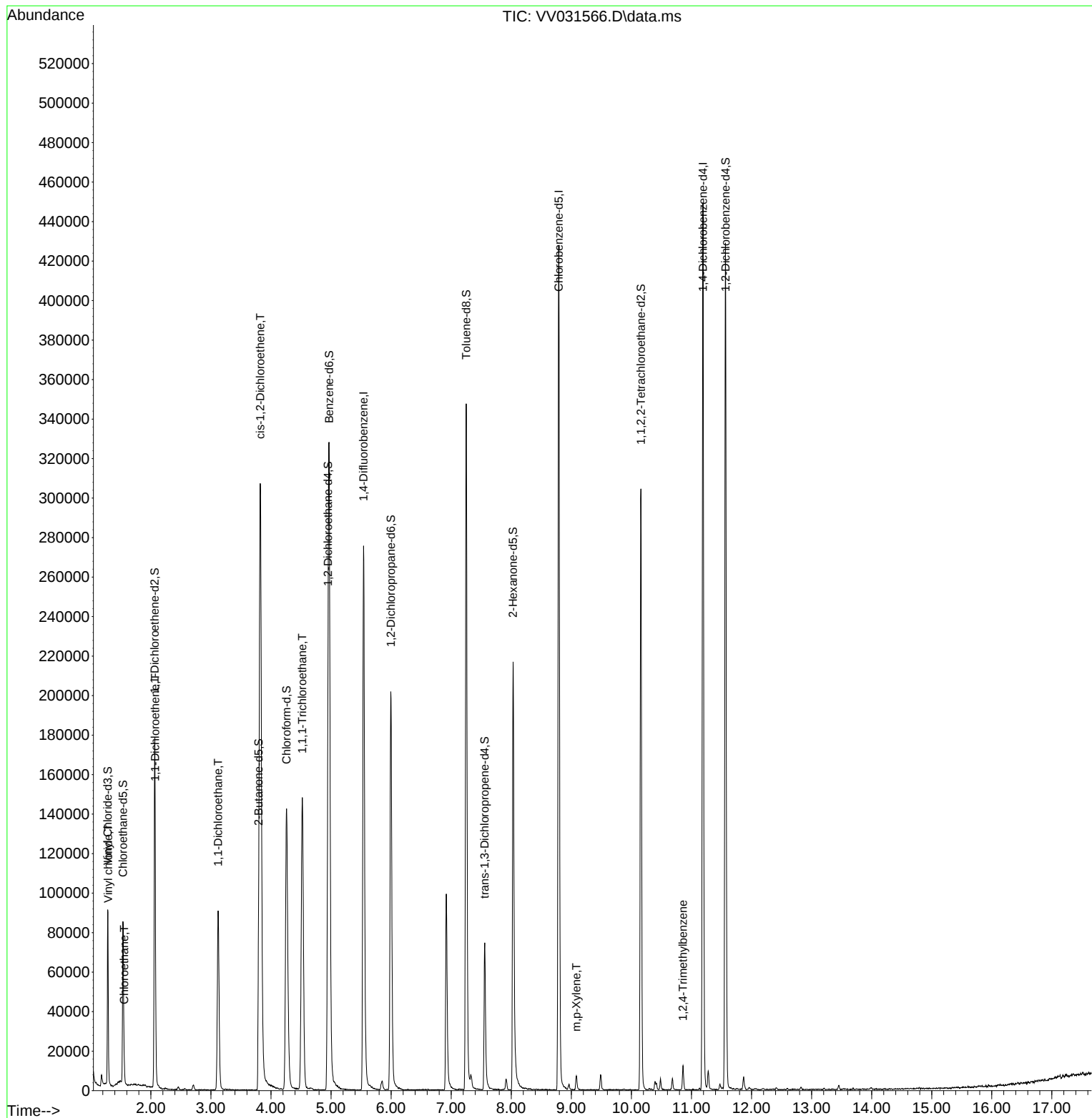
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 225667   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 229677   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 112773   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282   | 65    | 53783    | 35.810   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 71.620%  |
| 7) Chloroethane-d5            | 1.536   | 69    | 53388    | 40.740   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.480%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 30518    | 39.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.860%  |
| 21) 2-Butanone-d5             | 3.796   | 46    | 106248   | 87.366   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 87.370%  |
| 24) Chloroform-d              | 4.259   | 84    | 156410   | 41.583   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.160%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 104384   | 44.355   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.720%  |
| 32) Benzene-d6                | 4.970   | 84    | 280026   | 43.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.620%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 101038   | 44.095   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 88.200%  |
| 41) Toluene-d8                | 7.249   | 98    | 236883   | 39.929   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 79.860%# |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 45754    | 40.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.920%  |
| 47) 2-Hexanone-d5             | 8.031   | 63    | 78117    | 86.345   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 86.350%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 146982   | 42.498   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 107017   | 49.783   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.560%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.288   | 62    | 6033     | 2.694    | ug/L # | 77       |
| 8) Chloroethane               | 1.555   | 64    | 4462     | 3.085    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.073   | 96    | 2920     | 1.749    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 91845    | 24.415   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.822   | 96    | 154774   | 82.169   | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 4.519   | 97    | 128489   | 34.893   | ug/L   | 99       |
| 53) m,p-Xylene                | 9.085   | 106   | 2176     | 0.672    | ug/L   | 84       |
| 63) 1,2,4-Trimethylbenzene    | 10.860  | 105   | 6795     | 1.227    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

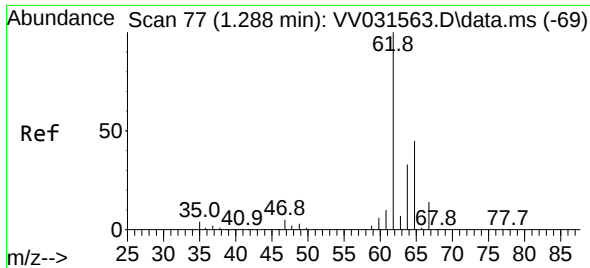
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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XYZZDL

Quant Time: Jun 17 02:27:07 2023  
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Quant Title : VOC Analysis  
QLast Update : Sat Jun 17 02:08:04 2023  
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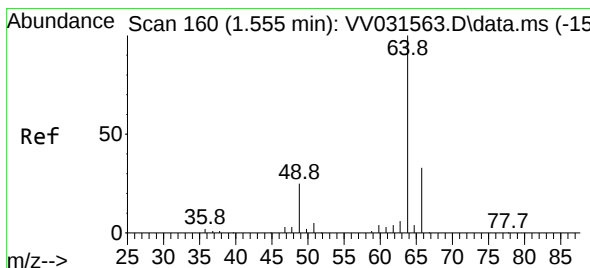
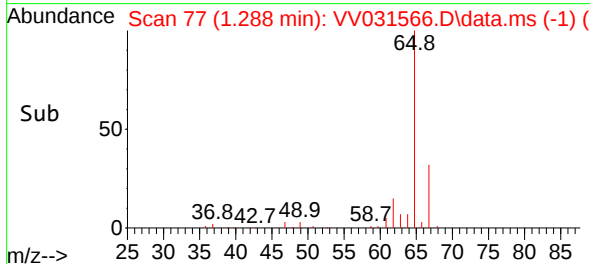
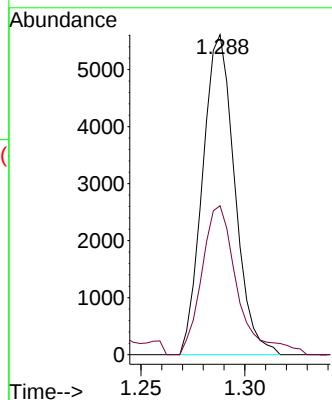
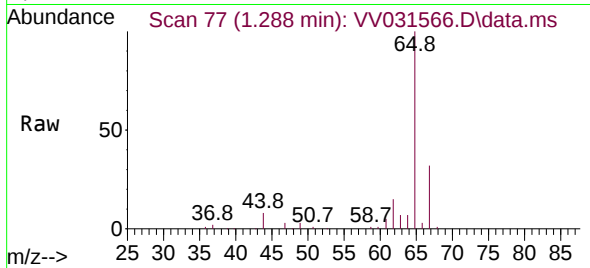




#5  
 Vinyl chloride  
 Concen: 2.694 ug/L  
 RT: 1.288 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VV031566.D  
 Acq: 16 Jun 2023 11:18

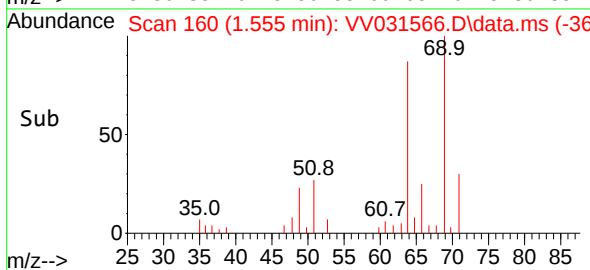
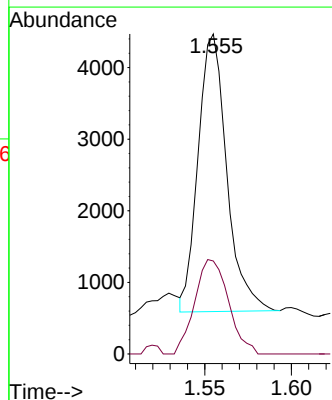
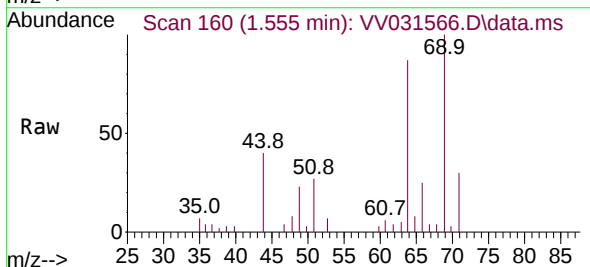
Instrument :  
 MSVOA\_V  
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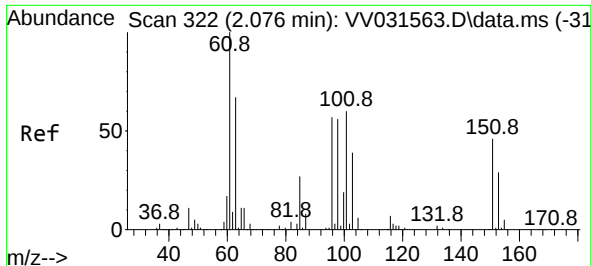
Tgt Ion: 62 Resp: 6033  
 Ion Ratio Lower Upper  
 62 100  
 64 46.6 23.4 43.4#



#8  
 Chloroethane  
 Concen: 3.085 ug/L  
 RT: 1.555 min Scan# 160  
 Delta R.T. 0.000 min  
 Lab File: VV031566.D  
 Acq: 16 Jun 2023 11:18

Tgt Ion: 64 Resp: 4462  
 Ion Ratio Lower Upper  
 64 100  
 66 29.0 21.0 39.0





#12

1,1-Dichloroethene

Concen: 1.749 ug/L

RT: 2.073 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031566.D

Acq: 16 Jun 2023 11:18

Instrument :

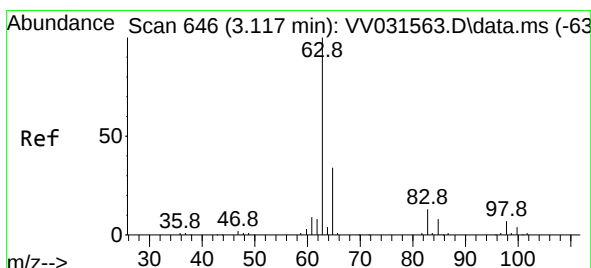
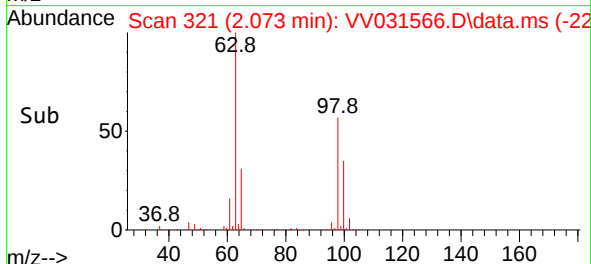
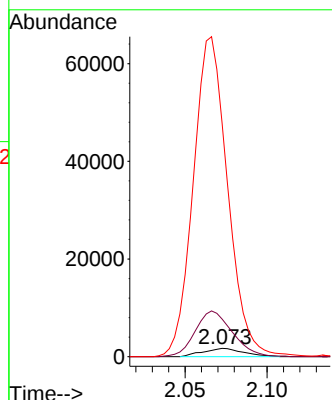
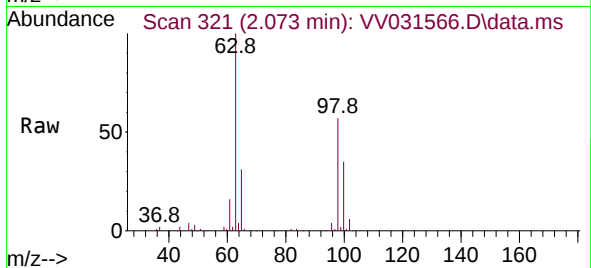
MSVOA\_V

ClientSampleId :

XYZZDL

Tgt Ion: 96 Resp: 2920

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 452.2  | 128.9 | 239.5# |
| 63  | 2810.4 | 95.3  | 177.1# |



#19

1,1-Dichloroethane

Concen: 24.415 ug/L

RT: 3.121 min Scan# 647

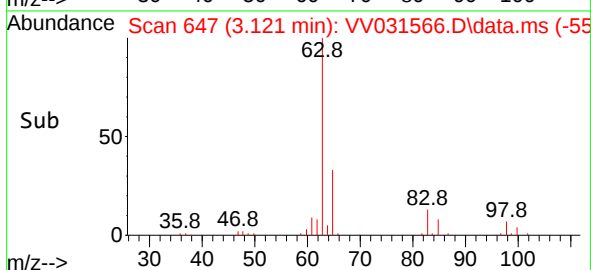
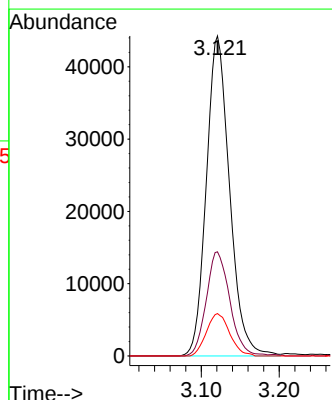
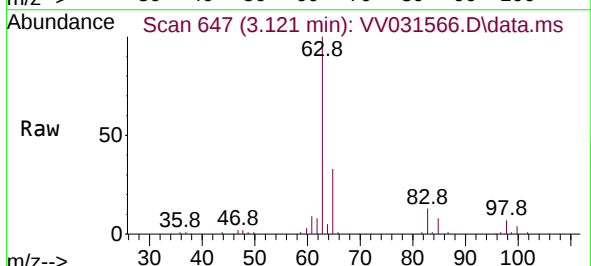
Delta R.T. 0.003 min

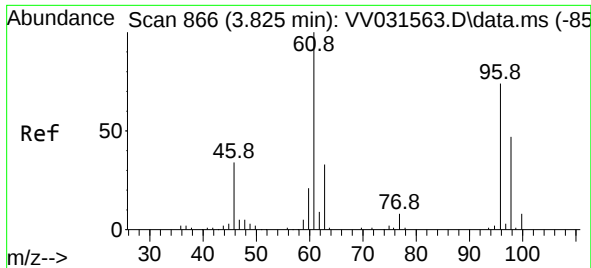
Lab File: VV031566.D

Acq: 16 Jun 2023 11:18

Tgt Ion: 63 Resp: 91845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.6  | 22.5  | 41.7  |
| 83  | 14.0  | 10.0  | 18.6  |

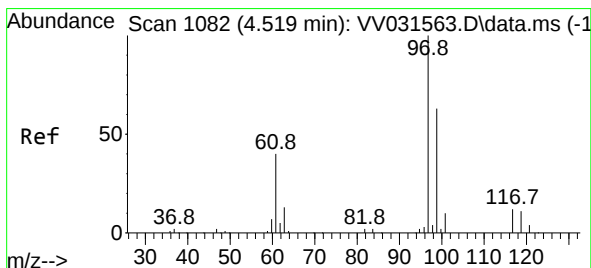
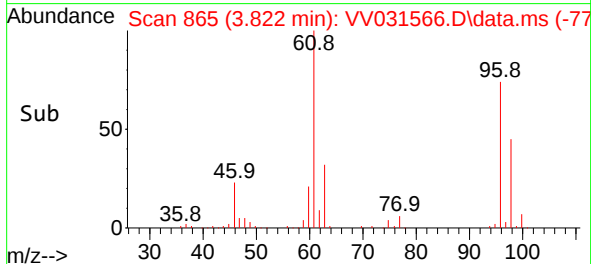
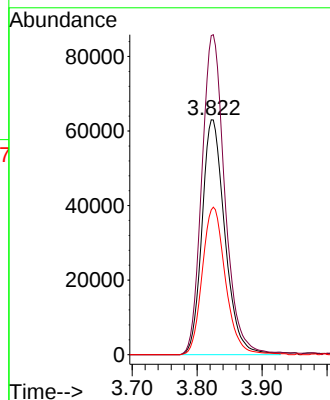
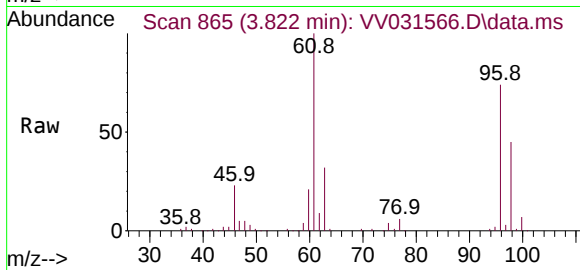




#20  
 cis-1,2-Dichloroethene  
 Concen: 82.169 ug/L  
 RT: 3.822 min Scan# 865  
 Delta R.T. -0.003 min  
 Lab File: VV031566.D  
 Acq: 16 Jun 2023 11:18

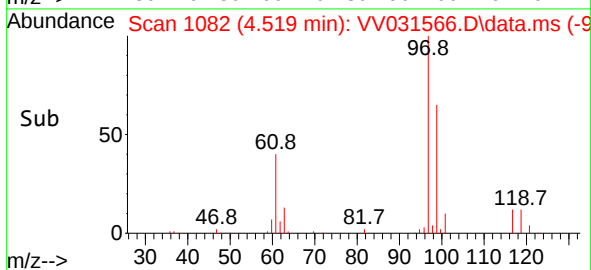
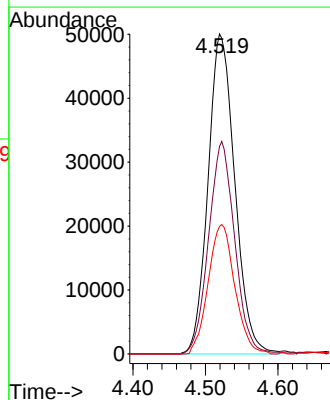
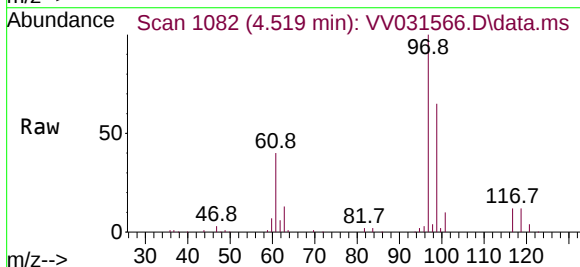
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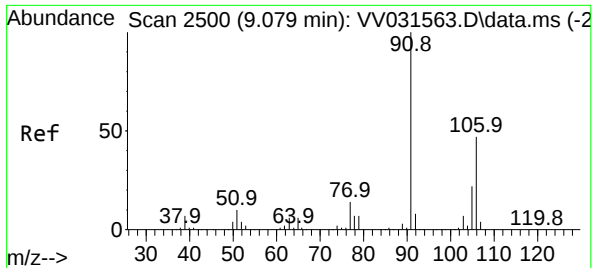
Tgt Ion: 96 Resp: 154774  
 Ion Ratio Lower Upper  
 96 100  
 61 135.8 98.6 183.0  
 98 61.6 45.7 84.9



#30  
 1,1,1-Trichloroethane  
 Concen: 34.893 ug/L  
 RT: 4.519 min Scan# 1082  
 Delta R.T. 0.000 min  
 Lab File: VV031566.D  
 Acq: 16 Jun 2023 11:18

Tgt Ion: 97 Resp: 128489  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.8 77.6  
 61 40.2 33.0 49.6

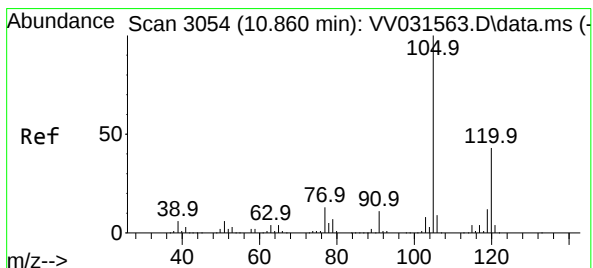
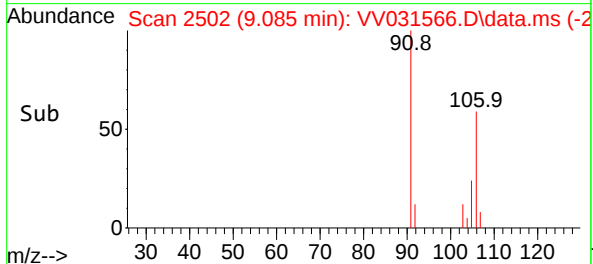
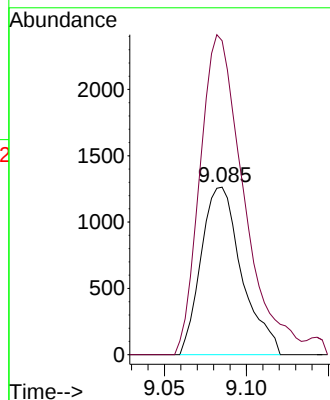
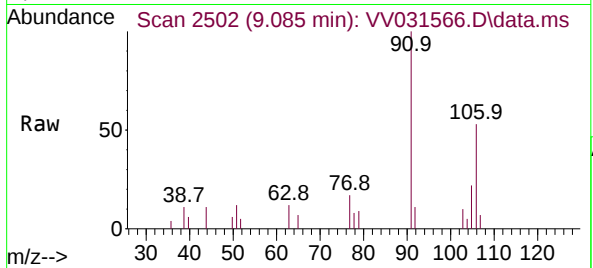




#53  
 m,p-Xylene  
 Concen: 0.672 ug/L  
 RT: 9.085 min Scan# 21  
 Delta R.T. 0.007 min  
 Lab File: VV031566.D  
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 MSVOA\_V  
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 EXYZ2DL

Tgt Ion:106 Resp: 2176  
 Ion Ratio Lower Upper  
 106 100  
 91 187.4 149.0 276.6



#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.227 ug/L  
 RT: 10.860 min Scan# 3054  
 Delta R.T. 0.000 min  
 Lab File: VV031566.D  
 Acq: 16 Jun 2023 11:18

Tgt Ion:105 Resp: 6795  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 33.4 50.2

