

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031551.D  
 Acq On : 16 Jun 2023 00:15  
 Operator : SY/MD  
 Sample : 03254-11  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW7

Quant Time: Jun 16 06:18:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 05:51:14 2023  
 Response via : Initial Calibration

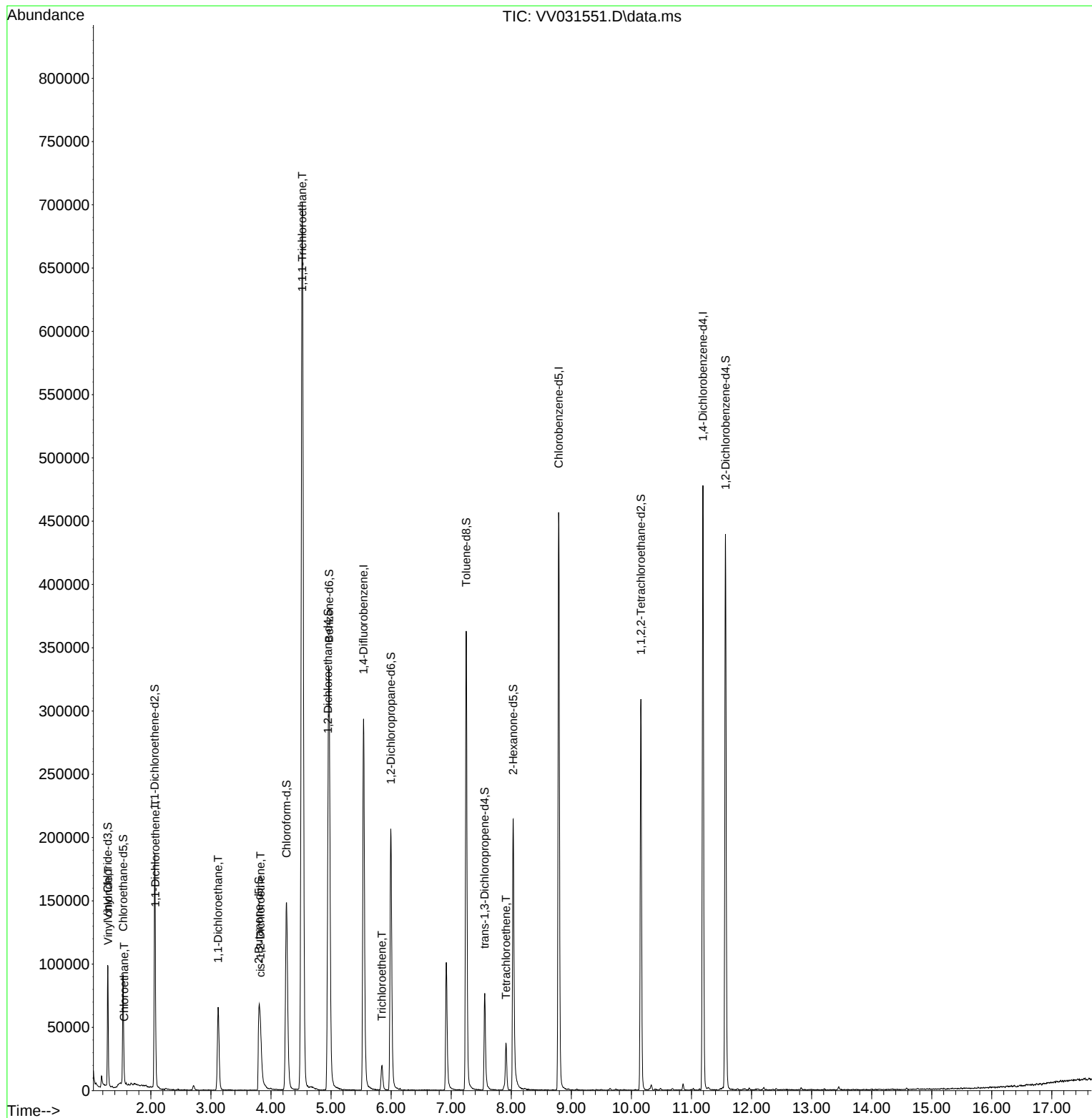
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 243743   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 239898   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 117131   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 58667    | 36.165   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 72.340%  |
| 7) Chloroethane-d5            | 1.539   | 69    | 56577    | 39.972   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 79.940%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 31605    | 37.803   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.600%  |
| 21) 2-Butanone-d5             | 3.799   | 46    | 109344   | 83.244   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.240%  |
| 24) Chloroform-d              | 4.259   | 84    | 165820   | 40.816   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.640%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 112014   | 44.068   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.140%  |
| 32) Benzene-d6                | 4.969   | 84    | 288502   | 42.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.440%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 102250   | 42.723   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.440%  |
| 41) Toluene-d8                | 7.249   | 98    | 242140   | 39.076   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 78.160%# |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 46325    | 39.705   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.400%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 77524    | 82.039   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 82.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 146981   | 40.687   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 81.380%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 108197   | 48.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.920%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.288   | 62    | 5877     | 2.430    | ug/L   | 85       |
| 8) Chloroethane               | 1.555   | 64    | 2056     | 1.316    | ug/L # | 78       |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 2782     | 1.543    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 66960    | 16.480   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.825   | 96    | 12357    | 6.074    | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.519   | 97    | 610999   | 158.855  | ug/L   | 99       |
| 34) Trichloroethene           | 5.847   | 95    | 7207     | 3.377    | ug/L   | 89       |
| 46) Tetrachloroethene         | 7.915   | 164   | 8630     | 5.152    | ug/L   | 91       |
| -----                         |         |       |          |          |        |          |

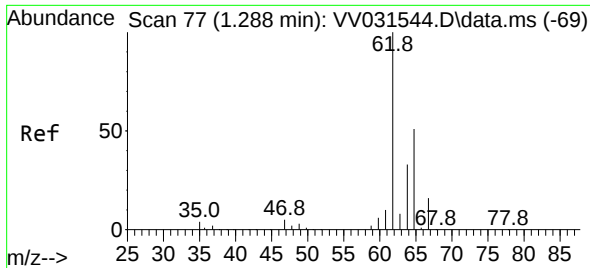
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 16 05:51:14 2023  
Response via : Initial Calibration

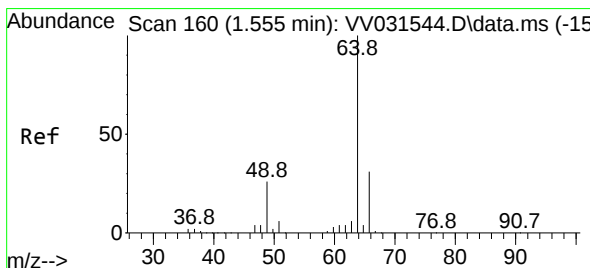
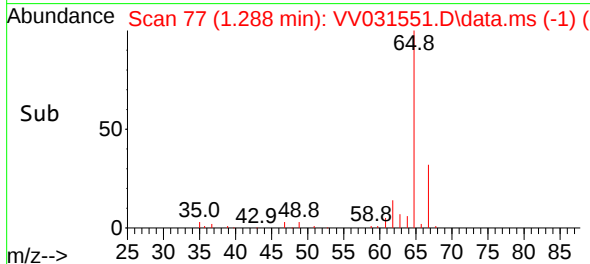
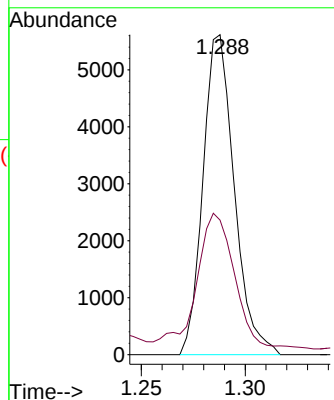
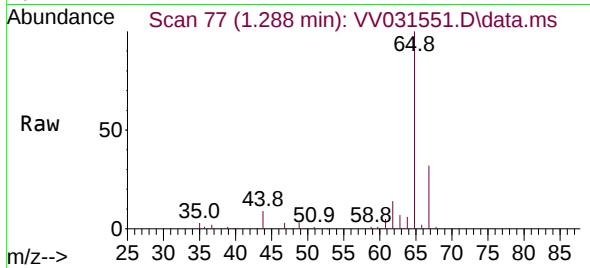




#5  
 Vinyl chloride  
 Concen: 2.430 ug/L  
 RT: 1.288 min Scan# 77  
 Delta R.T. -0.000 min  
 Lab File: VV031551.D  
 Acq: 16 Jun 2023 00:15

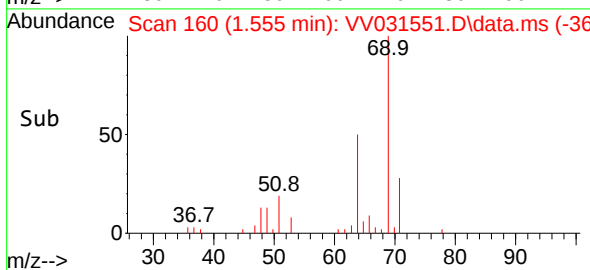
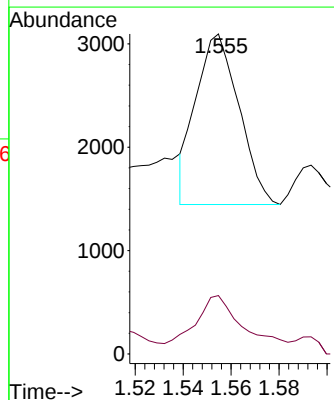
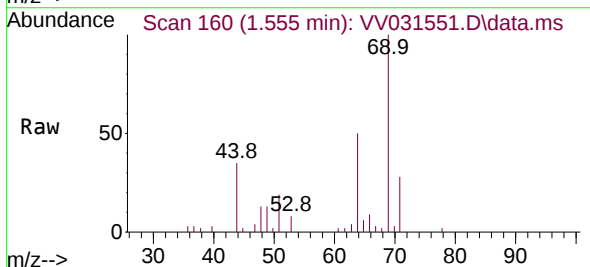
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW7

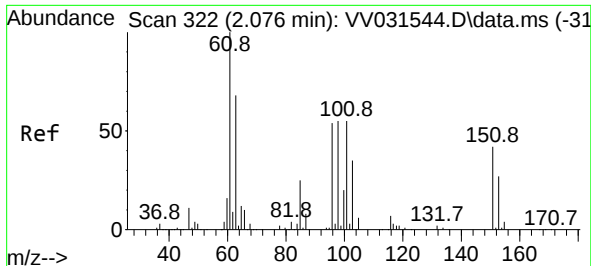
Tgt Ion: 62 Resp: 5877  
 Ion Ratio Lower Upper  
 62 100  
 64 42.1 23.4 43.4



#8  
 Chloroethane  
 Concen: 1.316 ug/L  
 RT: 1.555 min Scan# 160  
 Delta R.T. -0.000 min  
 Lab File: VV031551.D  
 Acq: 16 Jun 2023 00:15

Tgt Ion: 64 Resp: 2056  
 Ion Ratio Lower Upper  
 64 100  
 66 18.2 21.0 39.0#





#12

1,1-Dichloroethene

Concen: 1.543 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031551.D

Acq: 16 Jun 2023 00:15

Instrument :

MSVOA\_V

ClientSampleId :

EXYW7

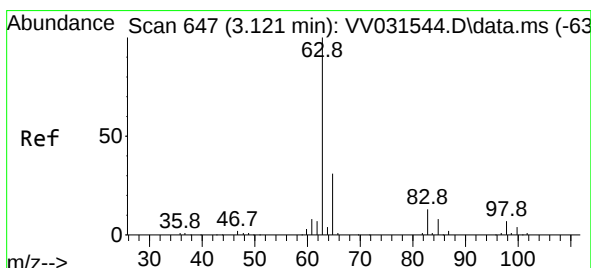
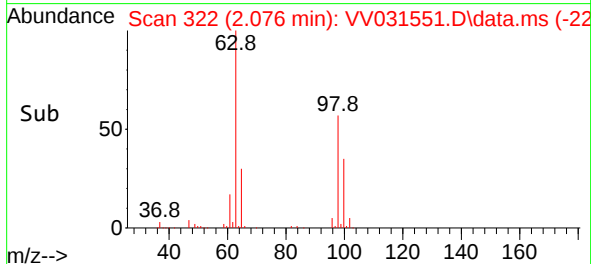
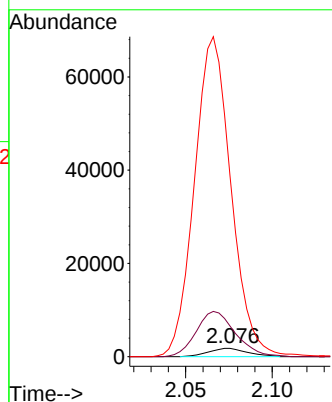
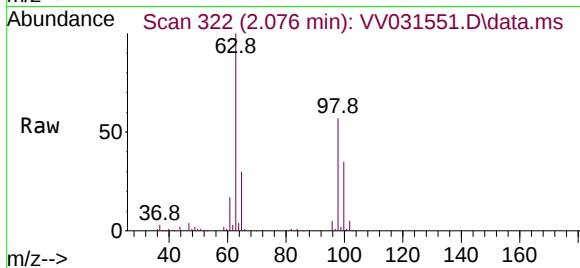
Tgt Ion: 96 Resp: 2782

Ion Ratio Lower Upper

96 100

61 368.0 128.9 239.5#

63 2174.0 95.3 177.1#



#19

1,1-Dichloroethane

Concen: 16.480 ug/L

RT: 3.121 min Scan# 647

Delta R.T. -0.000 min

Lab File: VV031551.D

Acq: 16 Jun 2023 00:15

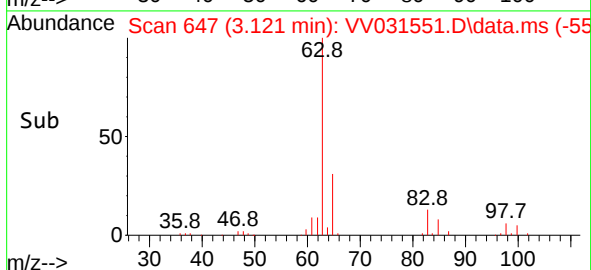
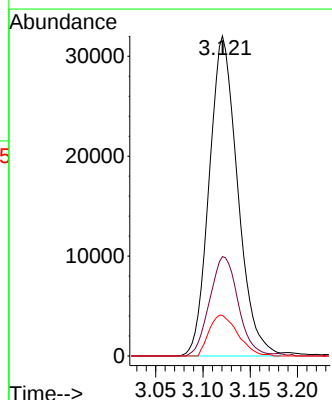
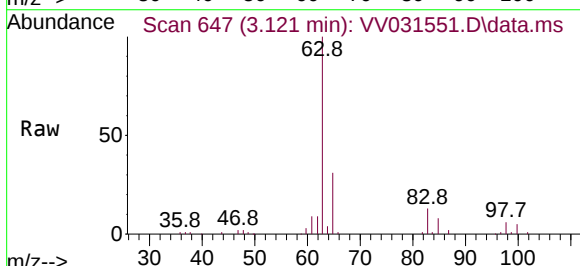
Tgt Ion: 63 Resp: 66960

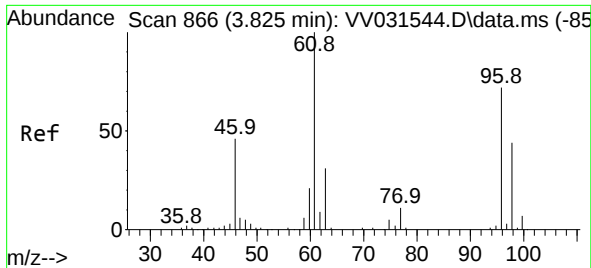
Ion Ratio Lower Upper

63 100

65 31.0 22.5 41.7

83 13.3 10.0 18.6

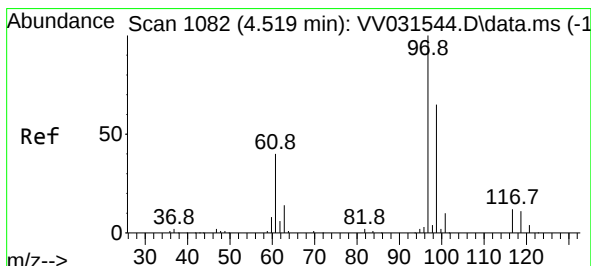
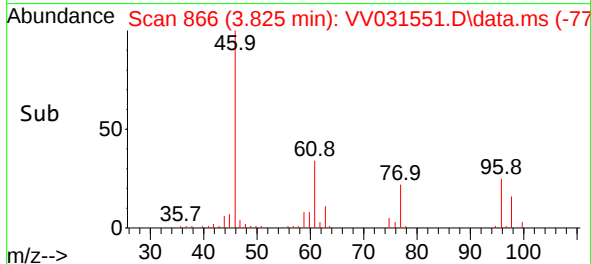
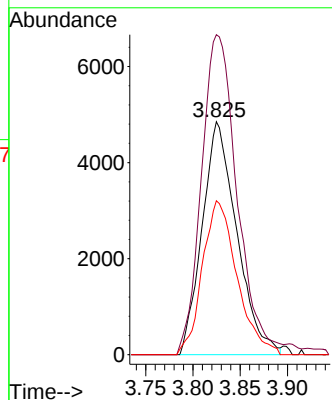
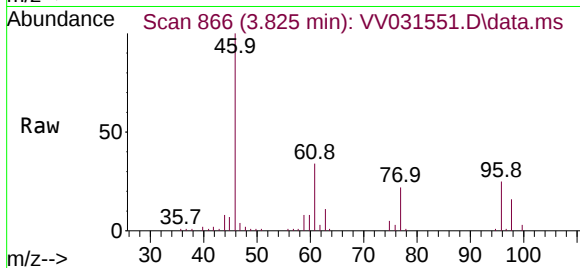




#20  
 cis-1,2-Dichloroethene  
 Concen: 6.074 ug/L  
 RT: 3.825 min Scan# 866  
 Delta R.T. -0.000 min  
 Lab File: VV031551.D  
 Acq: 16 Jun 2023 00:15

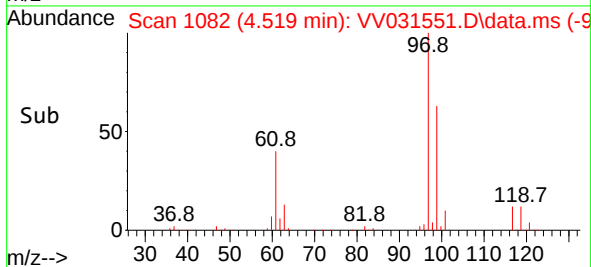
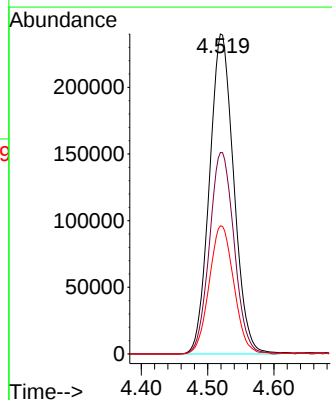
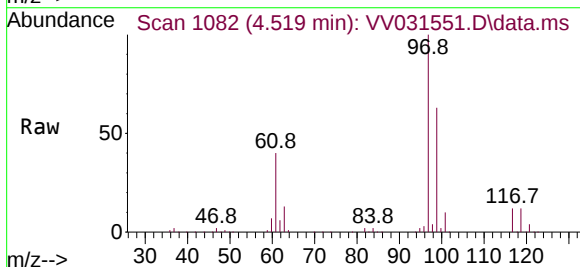
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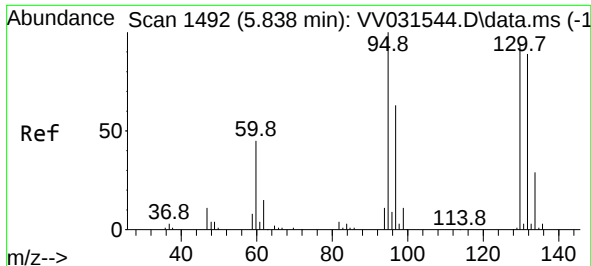
Tgt Ion: 96 Resp: 12357  
 Ion Ratio Lower Upper  
 96 100  
 61 132.9 98.6 183.0  
 98 63.9 45.7 84.9



#30  
 1,1,1-Trichloroethane  
 Concen: 158.855 ug/L  
 RT: 4.519 min Scan# 1082  
 Delta R.T. -0.000 min  
 Lab File: VV031551.D  
 Acq: 16 Jun 2023 00:15

Tgt Ion: 97 Resp: 610999  
 Ion Ratio Lower Upper  
 97 100  
 99 64.2 51.8 77.6  
 61 40.7 33.0 49.6



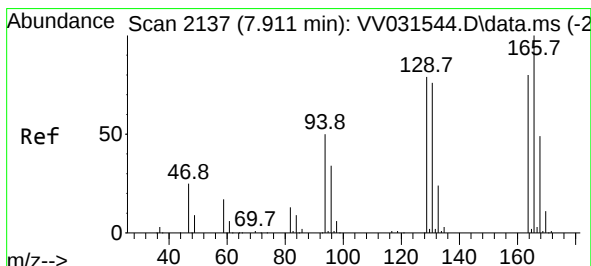
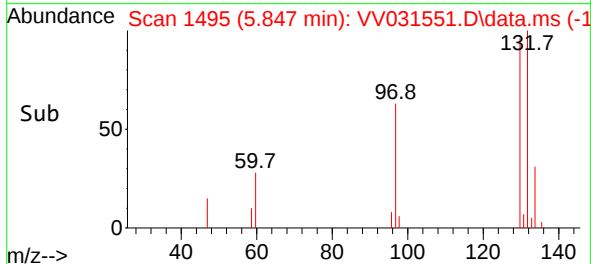
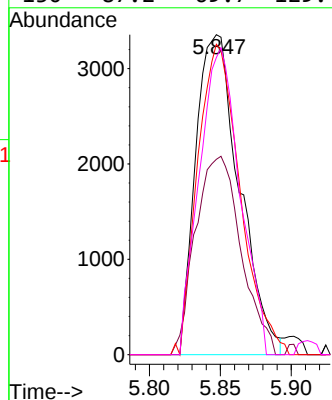
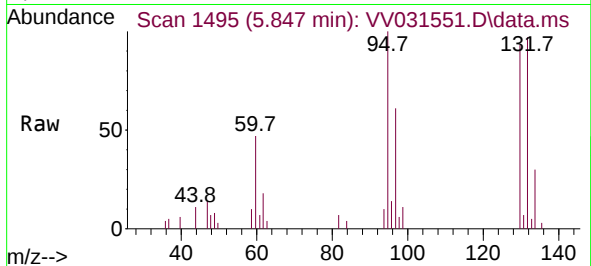


#34  
Trichloroethene  
Concen: 3.377 ug/L  
RT: 5.847 min Scan# 1495  
Delta R.T. 0.010 min  
Lab File: VV031551.D  
Acq: 16 Jun 2023 00:15

Instrument :  
MSVOA\_V  
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Tgt Ion: 95 Resp: 7207

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 58.3  | 46.8  | 86.8  |
| 132 | 84.8  | 66.4  | 123.2 |
| 130 | 87.2  | 69.7  | 129.4 |



#46  
Tetrachloroethene  
Concen: 5.152 ug/L  
RT: 7.915 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VV031551.D  
Acq: 16 Jun 2023 00:15

Tgt Ion: 164 Resp: 8630

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.2  | 68.4  | 127.0 |
| 131 | 86.6  | 67.6  | 125.6 |
| 166 | 115.5 | 91.3  | 169.5 |

