

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060523\  
 Data File : VW031350.D  
 Acq On : 05 Jun 2023 16:25  
 Operator : SY/MD  
 Sample : 02990-02 100X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F6C27

Quant Time: Jun 06 02:09:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jun 06 02:05:53 2023  
 Response via : Initial Calibration

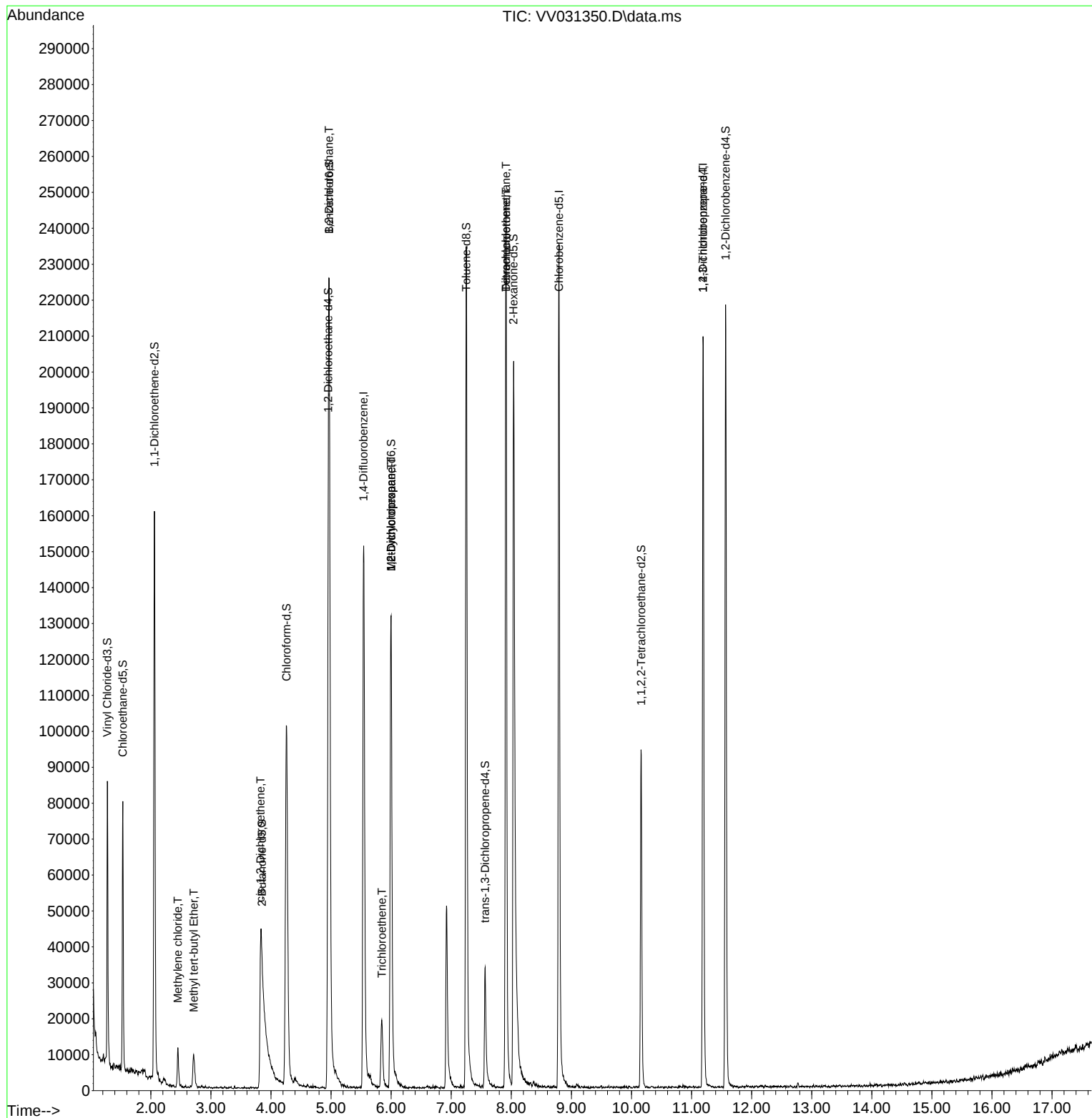
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114   | 122245   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793  | 117   | 126362   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152   | 55082    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 52043    | 4.185    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.800%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 47337    | 4.507    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 28521    | 4.724    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.400%  |
| 20) 2-Butanone-d5             | 3.847  | 46    | 86977    | 30.220   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 60.440%  |
| 24) Chloroform-d              | 4.259  | 84    | 112505   | 5.381    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.600% |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 57944    | 5.167    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.400% |
| 32) Benzene-d6                | 4.966  | 84    | 193726   | 5.043    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.800% |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 64189    | 4.947    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.000%  |
| 41) Toluene-d8                | 7.249  | 98    | 162144   | 4.495    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79    | 21550    | 4.562    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.200%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 82480    | 43.464   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84    | 44523    | 4.514    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152   | 55238    | 5.317    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 2.449  | 84    | 3980     | 0.287    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.716  | 73    | 8808     | 0.338    | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 10376    | 0.945    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 4.963  | 62    | 1457     | 0.100    | ug/L # | 75       |
| 34) Trichloroethene           | 5.847  | 95    | 6801     | 0.560    | ug/L   | 93       |
| 35) Methylcyclohexane         | 5.998  | 83    | 15864    | 0.877    | ug/L # | 13       |
| 37) 1,2-Dichloropropane       | 5.998  | 63    | 7949     | 0.601    | ug/L # | 86       |
| 47) Tetrachloroethene         | 7.912  | 164   | 54623    | 5.771    | ug/L   | 98       |
| 49) Dibromochloromethane      | 7.912  | 129   | 49345    | 4.919    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.191 | 75    | 6759     | 1.004    | ug/L # | 69       |

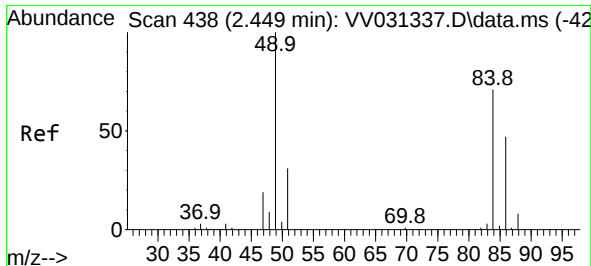
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Jun 06 02:05:53 2023  
Response via : Initial Calibration

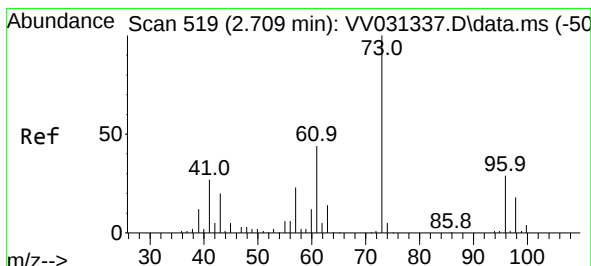
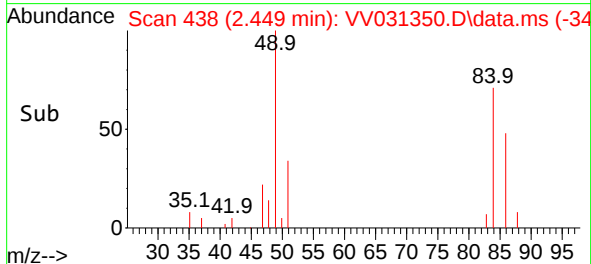
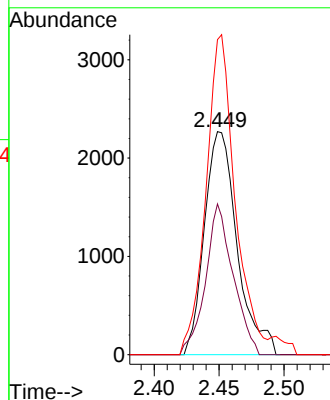
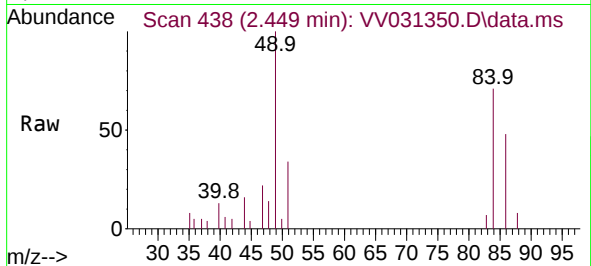




#16  
Methylene chloride  
Concen: 0.287 ug/L  
RT: 2.449 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV031350.D  
Acq: 05 Jun 2023 16:25

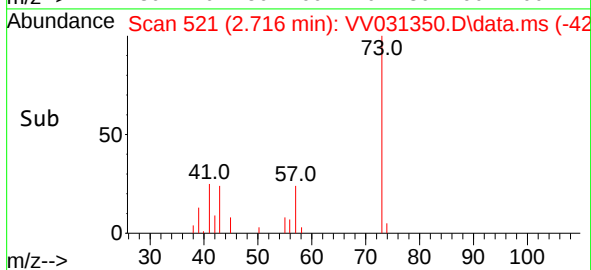
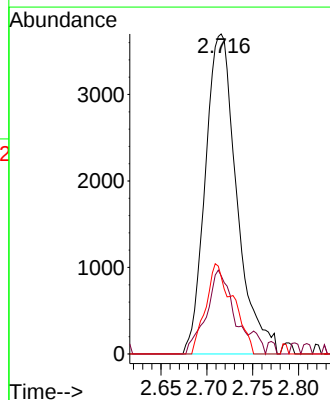
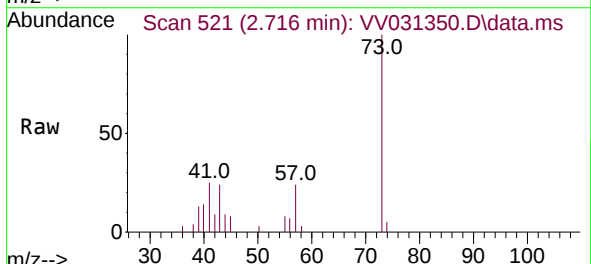
Instrument :  
MSVOA\_V  
ClientSampleId :  
F6C27

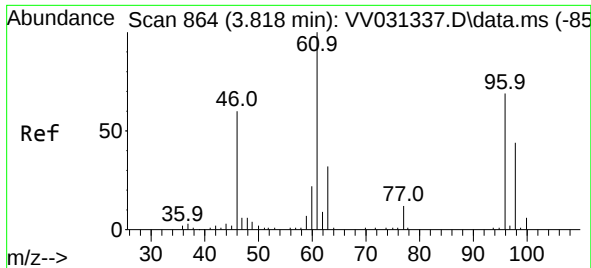
Tgt Ion: 84 Resp: 3980  
Ion Ratio Lower Upper  
84 100  
86 67.5 46.7 86.7  
49 141.2 101.6 188.8



#17  
Methyl tert-butyl Ether  
Concen: 0.338 ug/L  
RT: 2.716 min Scan# 521  
Delta R.T. 0.006 min  
Lab File: VV031350.D  
Acq: 05 Jun 2023 16:25

Tgt Ion: 73 Resp: 8808  
Ion Ratio Lower Upper  
73 100  
43 22.3 17.8 26.8  
57 24.6 19.8 29.8

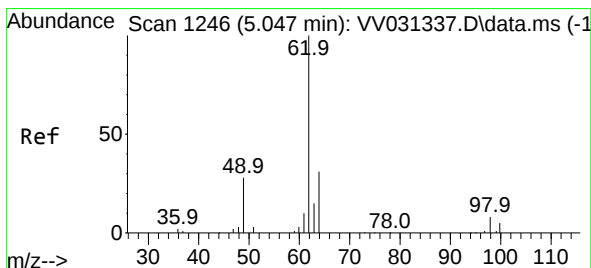
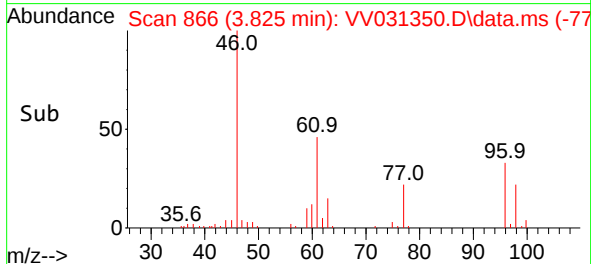
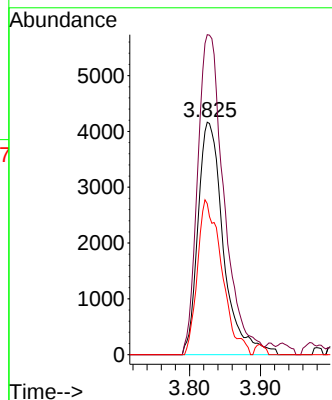
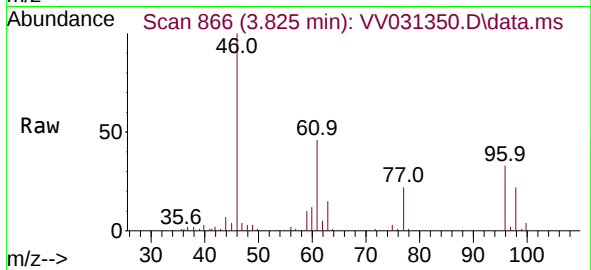




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.945 ug/L  
 RT: 3.825 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VV031350.D  
 Acq: 05 Jun 2023 16:25

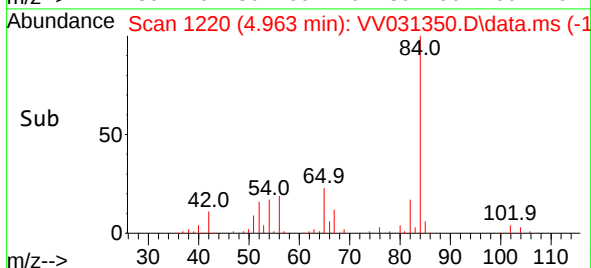
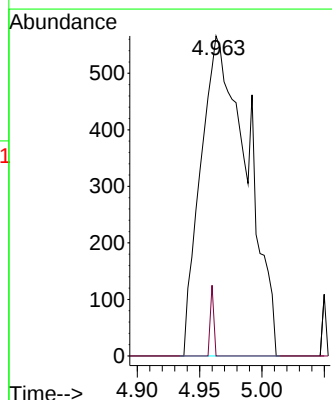
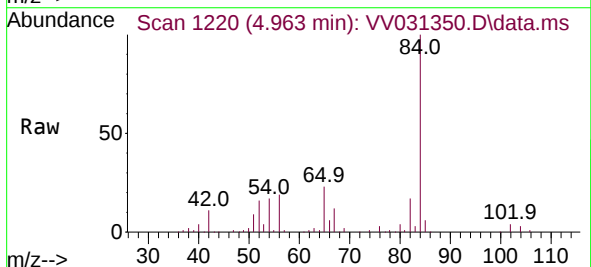
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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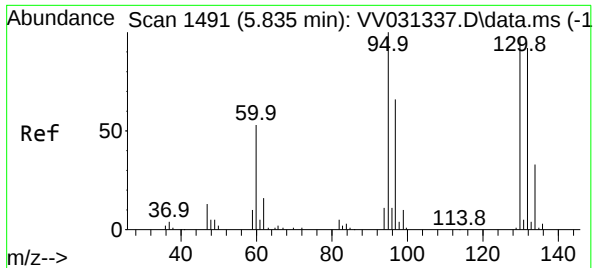
Tgt Ion: 96 Resp: 10376  
 Ion Ratio Lower Upper  
 96 100  
 61 137.6 100.8 187.2  
 98 65.0 45.1 83.9



#27  
 1,2-Dichloroethane  
 Concen: 0.100 ug/L  
 RT: 4.963 min Scan# 1220  
 Delta R.T. -0.084 min  
 Lab File: VV031350.D  
 Acq: 05 Jun 2023 16:25

Tgt Ion: 62 Resp: 1457  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.2 10.8#



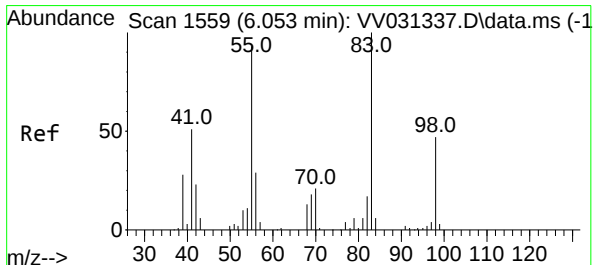
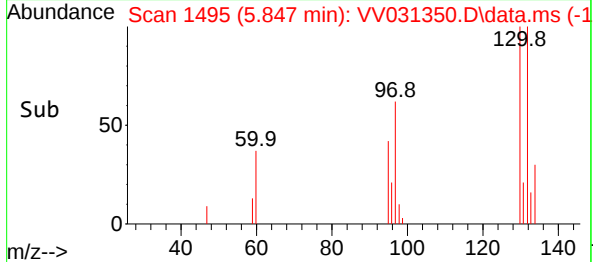
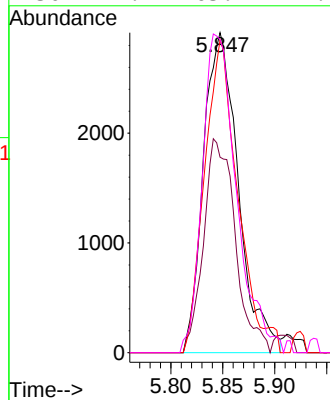
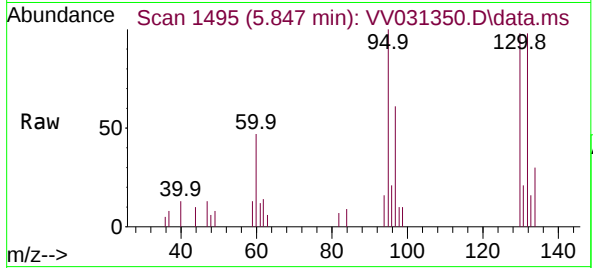


#34  
Trichloroethene  
Concen: 0.560 ug/L  
RT: 5.847 min Scan# 1491  
Delta R.T. 0.013 min  
Lab File: VV031350.D  
Acq: 05 Jun 2023 16:25

Instrument :  
MSVOA\_V  
ClientSampleId :  
F6C27

Tgt Ion: 95 Resp: 6801

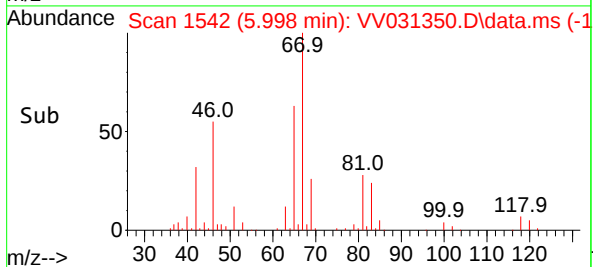
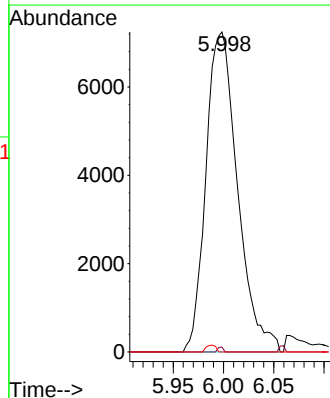
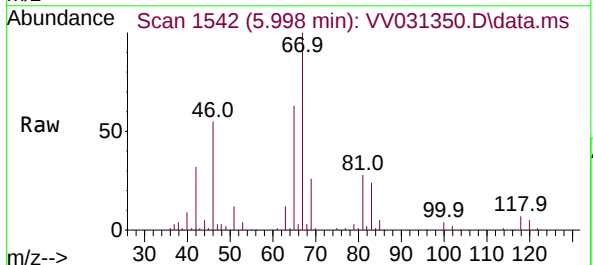
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.1  | 46.1  | 85.5  |
| 132 | 97.7  | 64.5  | 119.9 |
| 130 | 97.9  | 63.1  | 117.1 |

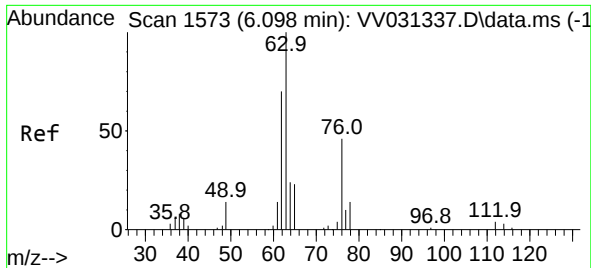


#35  
Methylcyclohexane  
Concen: 0.877 ug/L  
RT: 5.998 min Scan# 1542  
Delta R.T. -0.055 min  
Lab File: VV031350.D  
Acq: 05 Jun 2023 16:25

Tgt Ion: 83 Resp: 15864

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.3   | 74.6  | 112.0# |
| 98  | 0.6   | 36.5  | 54.7#  |





#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV031350.D

Acq: 05 Jun 2023 16:25

Instrument :

MSVOA\_V

ClientSampleId :

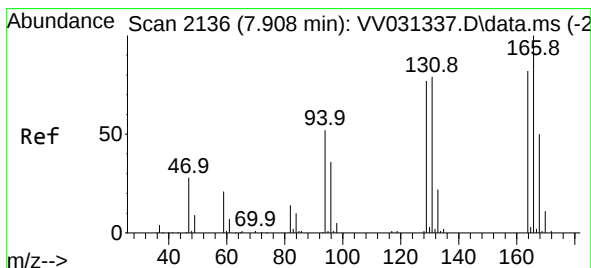
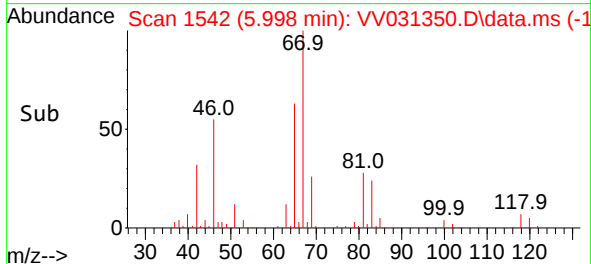
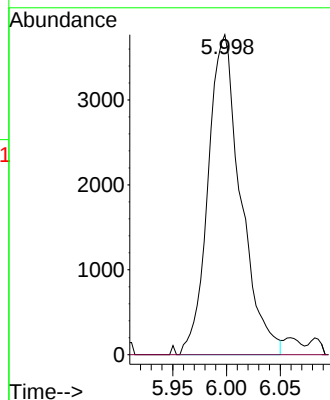
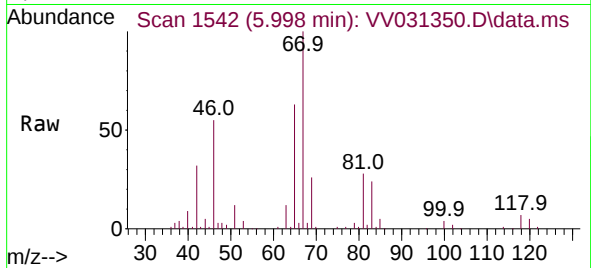
F6C27

Tgt Ion: 63 Resp: 7949

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#47

Tetrachloroethene

Concen: 5.771 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031350.D

Acq: 05 Jun 2023 16:25

Tgt Ion:164 Resp: 54623

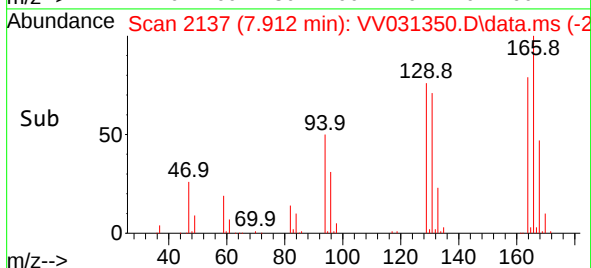
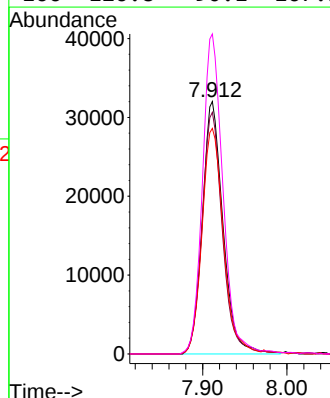
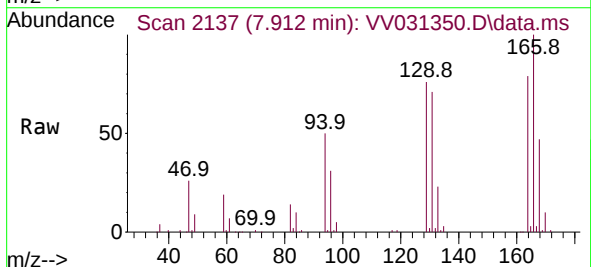
Ion Ratio Lower Upper

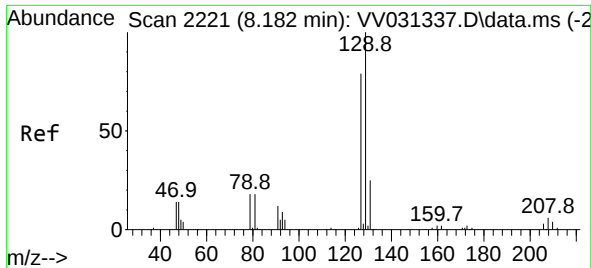
164 100

129 95.7 66.0 122.6

131 89.4 65.3 121.3

166 126.8 90.1 167.3

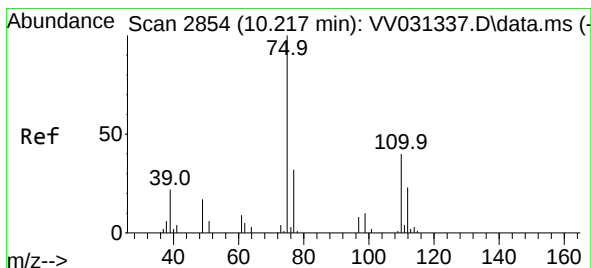
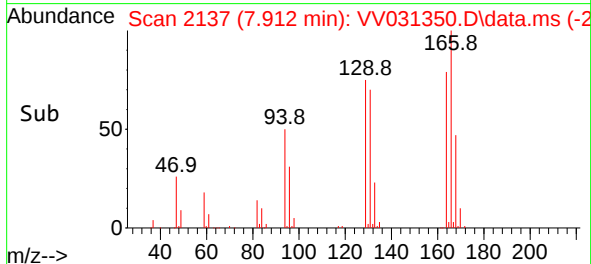
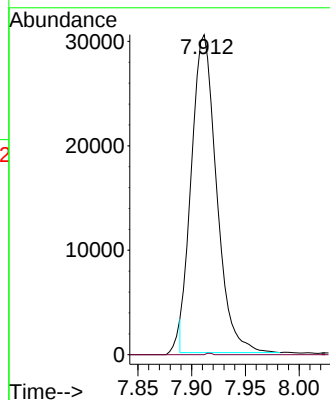
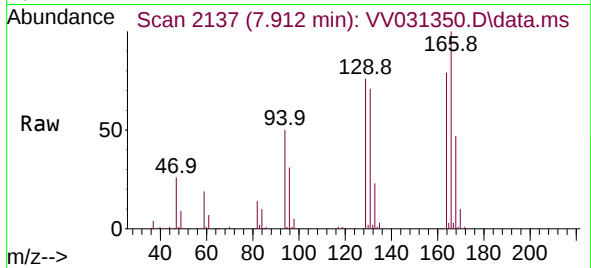




#49  
Dibromochloromethane  
Concen: 4.919 ug/L  
RT: 7.912 min Scan# 21  
Delta R.T. -0.270 min  
Lab File: VV031350.D  
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Tgt Ion:129 Resp: 49345  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.0 102.2#



#61  
1,2,3-Trichloropropane  
Concen: 1.004 ug/L  
RT: 11.191 min Scan# 3157  
Delta R.T. 0.974 min  
Lab File: VV031350.D  
Acq: 05 Jun 2023 16:25

Tgt Ion: 75 Resp: 6759  
Ion Ratio Lower Upper  
75 100  
77 33.3 27.3 40.9  
110 1.8 29.4 44.0#

