

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022569.D  
 Acq On : 05 Oct 2021 12:36  
 Operator : SY/MD  
 Sample : M3967-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 06 05:26:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 05:22:36 2021  
 Response via : Initial Calibration

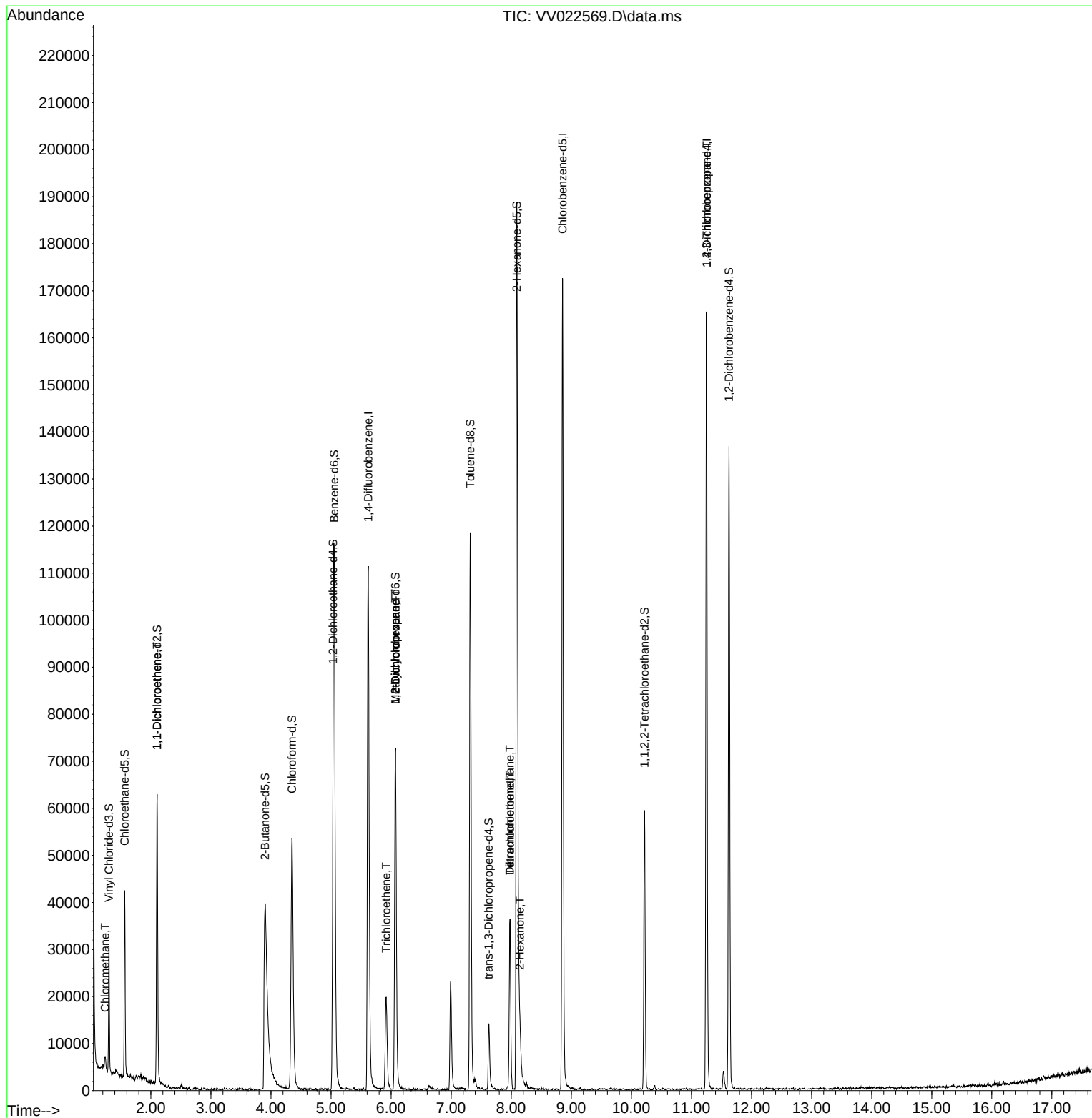
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 102903   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 100566   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 45917    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 15439    | 4.683    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.600%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 23143    | 5.207    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.200% |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 30654    | 3.204    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.000%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 91551    | 46.975   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.960%  |
| 24) Chloroform-d              | 4.349  | 84    | 55690    | 4.386    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 29772    | 4.978    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.600%  |
| 32) Benzene-d6                | 5.053  | 84    | 104791   | 4.624    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 35159    | 4.397    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.000%  |
| 41) Toluene-d8                | 7.320  | 98    | 81191    | 4.274    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 8898     | 4.205    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.200%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 63392    | 48.386   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 27459    | 4.520    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 36586    | 5.151    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.240  | 50    | 2283     | 0.291    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.105  | 96    | 452      | 0.072    | ug/L # | 1        |
| 34) Trichloroethene           | 5.918  | 95    | 6165     | 0.783    | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.072  | 83    | 8989     | 0.814    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 4074     | 0.616    | ug/L # | 84       |
| 47) Tetrachloroethene         | 7.979  | 164   | 8445     | 1.379    | ug/L   | 96       |
| 48) 2-Hexanone                | 8.143  | 43    | 7483     | 2.856    | ug/L # | 73       |
| 49) Dibromochloromethane      | 7.979  | 129   | 7108     | 1.221    | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.252 | 75    | 5039     | 1.480    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

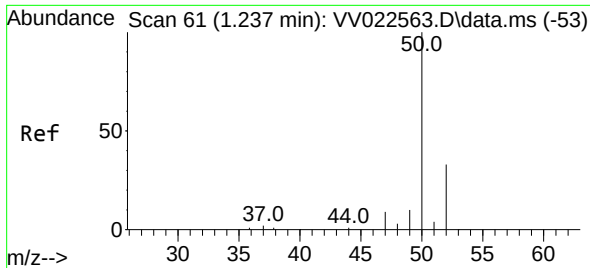
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :

Quant Time: Oct 06 05:26:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 05:22:36 2021  
Response via : Initial Calibration

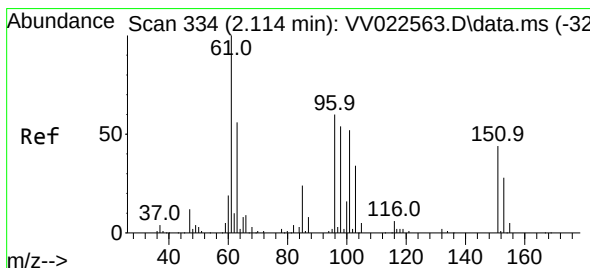
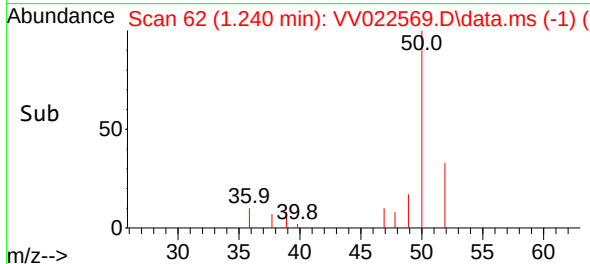
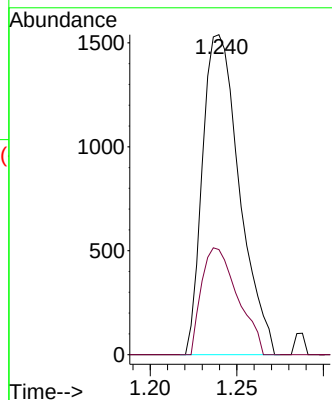
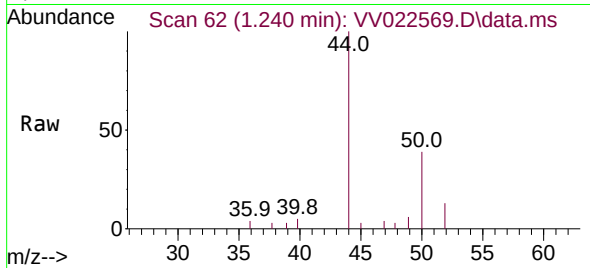




#3  
Chloromethane  
Concen: 0.291 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.003 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

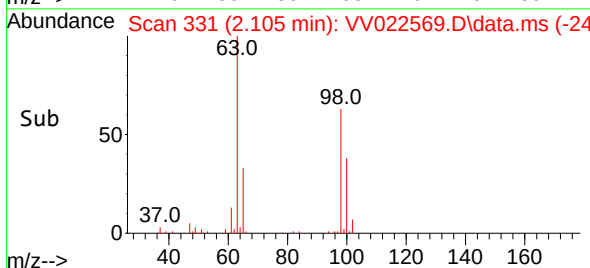
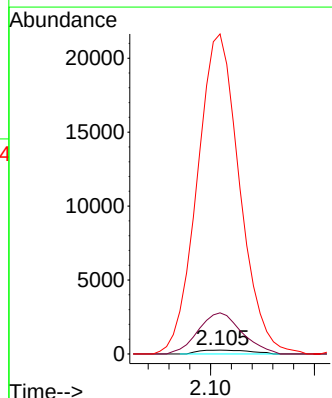
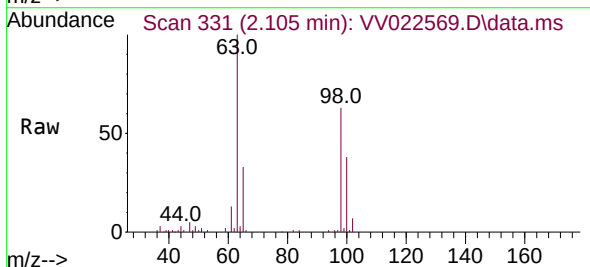
Instrument :  
MSVOA\_V  
ClientSampled :

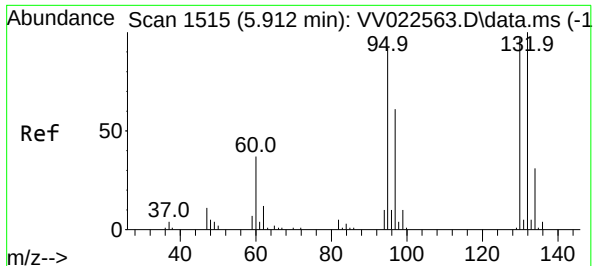
Tgt Ion: 50 Resp: 2283  
Ion Ratio Lower Upper  
50 100  
52 32.9 23.0 42.8



#12  
1,1-Dichloroethene  
Concen: 0.072 ug/L  
RT: 2.105 min Scan# 331  
Delta R.T. -0.010 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

Tgt Ion: 96 Resp: 452  
Ion Ratio Lower Upper  
96 100  
61 1072.2 113.2 210.2#  
63 8355.2 66.6 123.8#



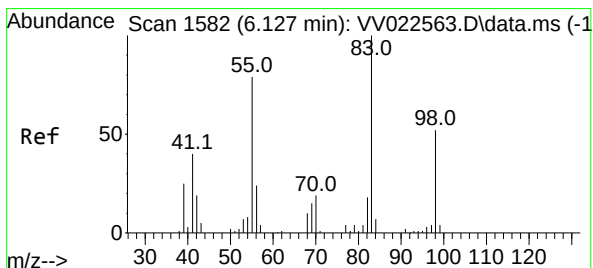
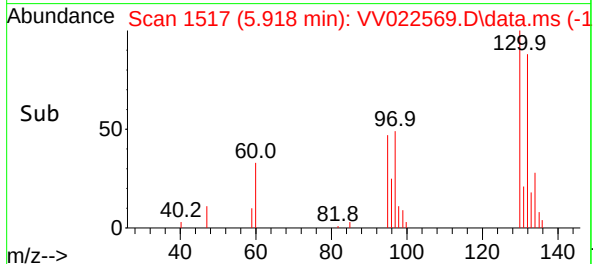
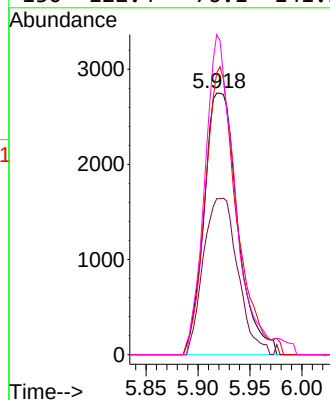
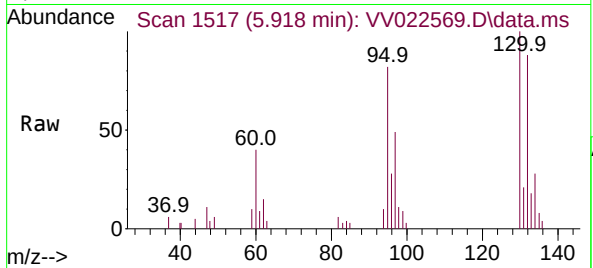


#34  
Trichloroethene  
Concen: 0.783 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 95 Resp: 6165

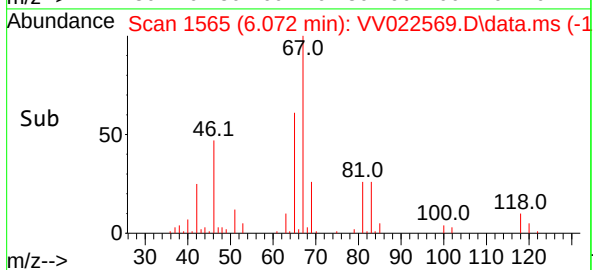
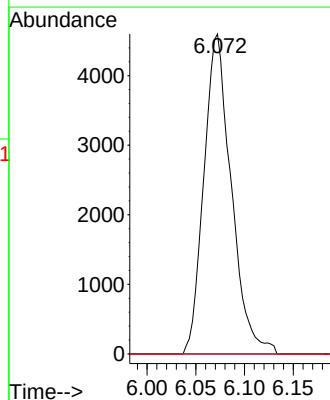
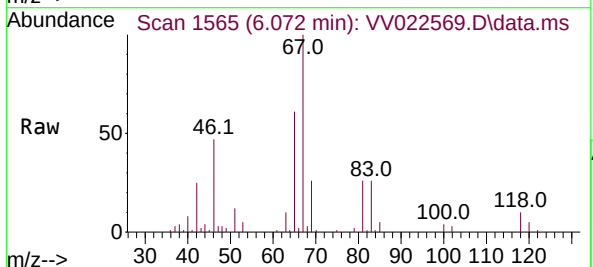
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.7  | 46.5  | 86.5  |
| 132 | 107.8 | 73.0  | 135.6 |
| 130 | 122.4 | 76.1  | 141.3 |

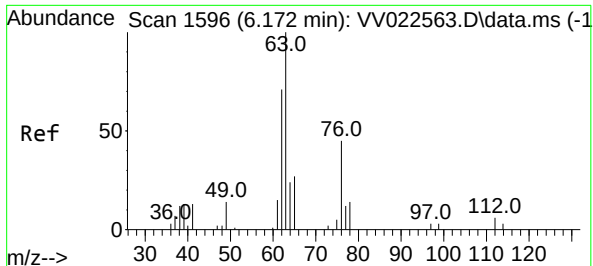


#35  
Methylcyclohexane  
Concen: 0.814 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

Tgt Ion: 83 Resp: 8989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 57.8  | 86.8# |
| 98  | 2.5   | 39.8  | 59.8# |





#37

1,2-Dichloropropane

Concen: 0.616 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV022569.D

Acq: 05 Oct 2021 12:36

Tgt Ion: 63 Resp: 4074

Ion Ratio Lower Upper

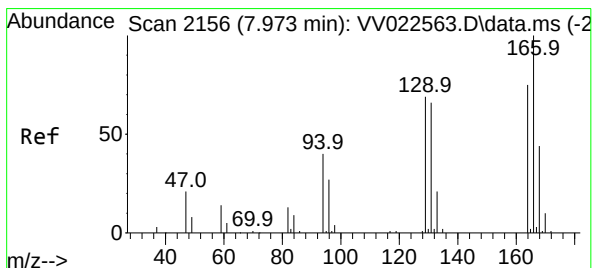
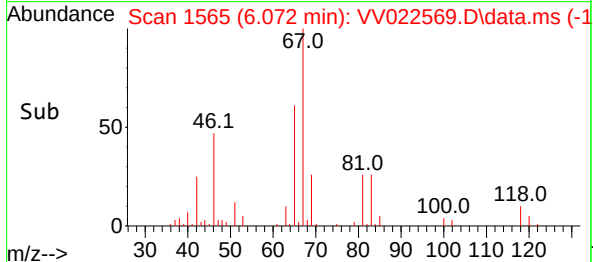
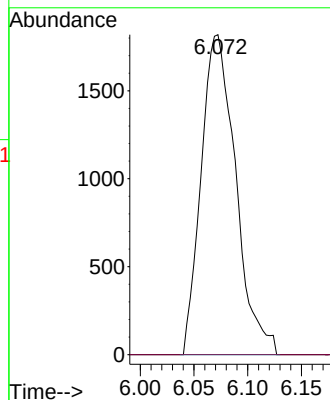
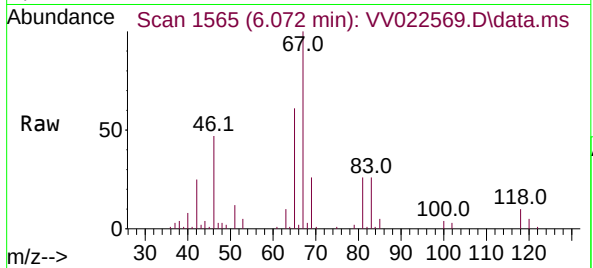
63 100

112 0.0 4.3 6.5#

Instrument :

MSVOA\_V

ClientSampled :



#47

Tetrachloroethene

Concen: 1.379 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV022569.D

Acq: 05 Oct 2021 12:36

Tgt Ion: 164 Resp: 8445

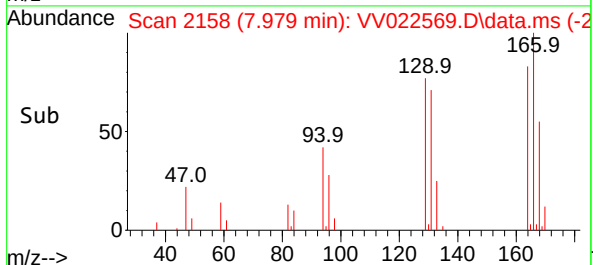
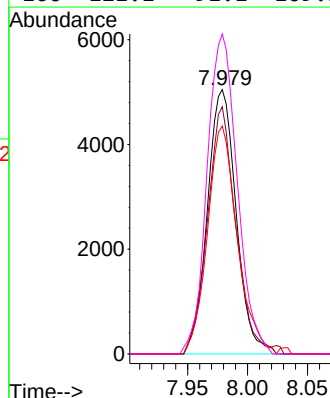
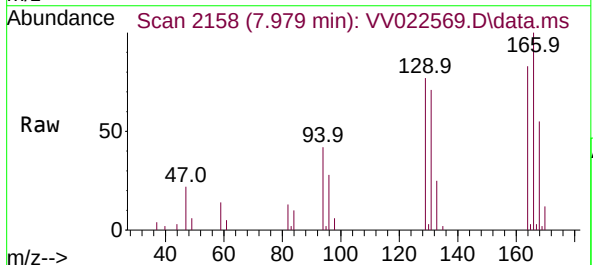
Ion Ratio Lower Upper

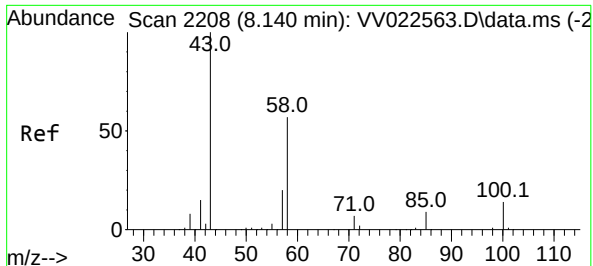
164 100

129 93.5 65.5 121.6

131 86.2 62.4 116.0

166 121.1 91.1 169.3

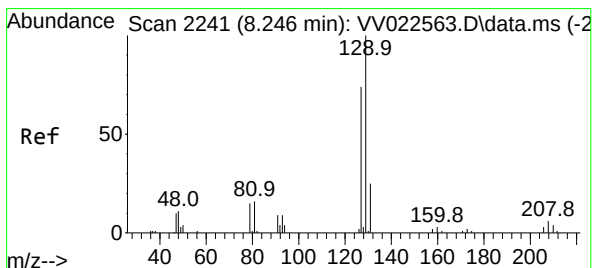
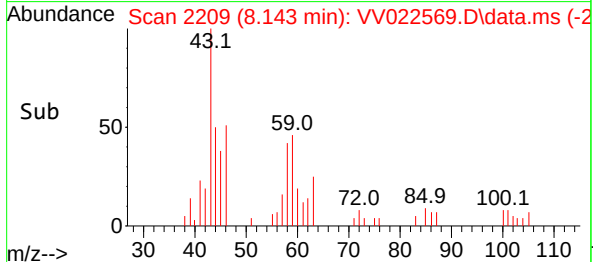
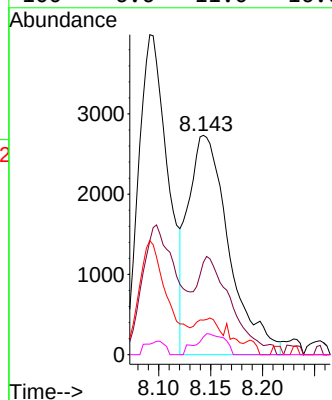
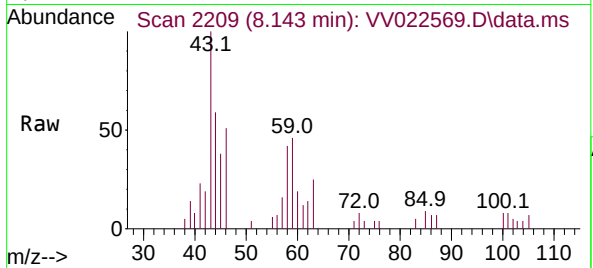




#48  
2-Hexanone  
Concen: 2.856 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.003 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

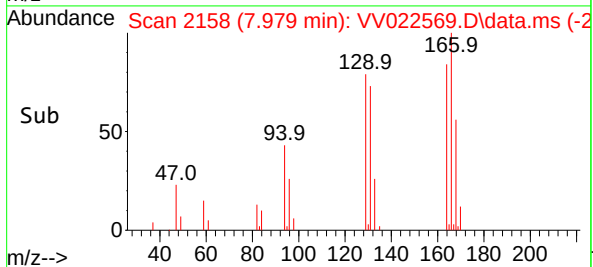
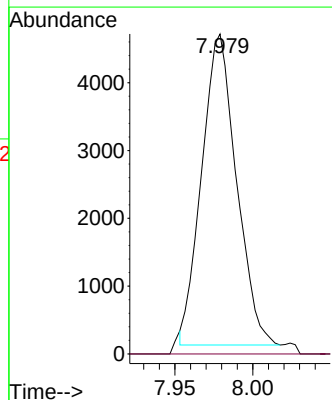
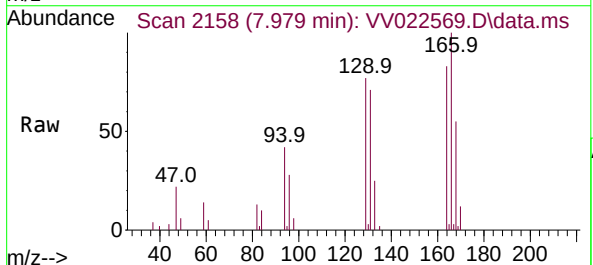
Instrument :  
MSVOA\_V  
ClientSampled :

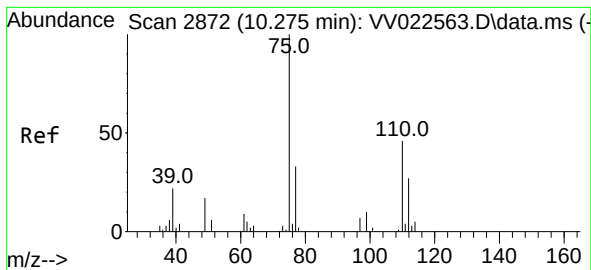
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 7483  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 38.4     | 46.4 69.6#  |
| 57 4.7      | 16.3 24.5#  |
| 100 6.6     | 11.0 16.6#  |



#49  
Dibromochloromethane  
Concen: 1.221 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. -0.267 min  
Lab File: VV022569.D  
Acq: 05 Oct 2021 12:36

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion:129 | Resp: 7108 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 129 100     |            |       |  |
| 127 0.0     | 52.6       | 97.6# |  |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.480 ug/L  
 RT: 11.252 min Scan# 3176  
 Delta R.T. 0.977 min  
 Lab File: VV022569.D  
 Acq: 05 Oct 2021 12:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 75 Resp: 5039  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 26.1 39.1  
 110 1.3 33.0 49.6#

