

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092622\  
 Data File : VV028122.D  
 Acq On : 26 Sep 2022 17:31  
 Operator : SY/MD  
 Sample : N4820-07  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 26 21:31:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 26 21:28:54 2022  
 Response via : Initial Calibration

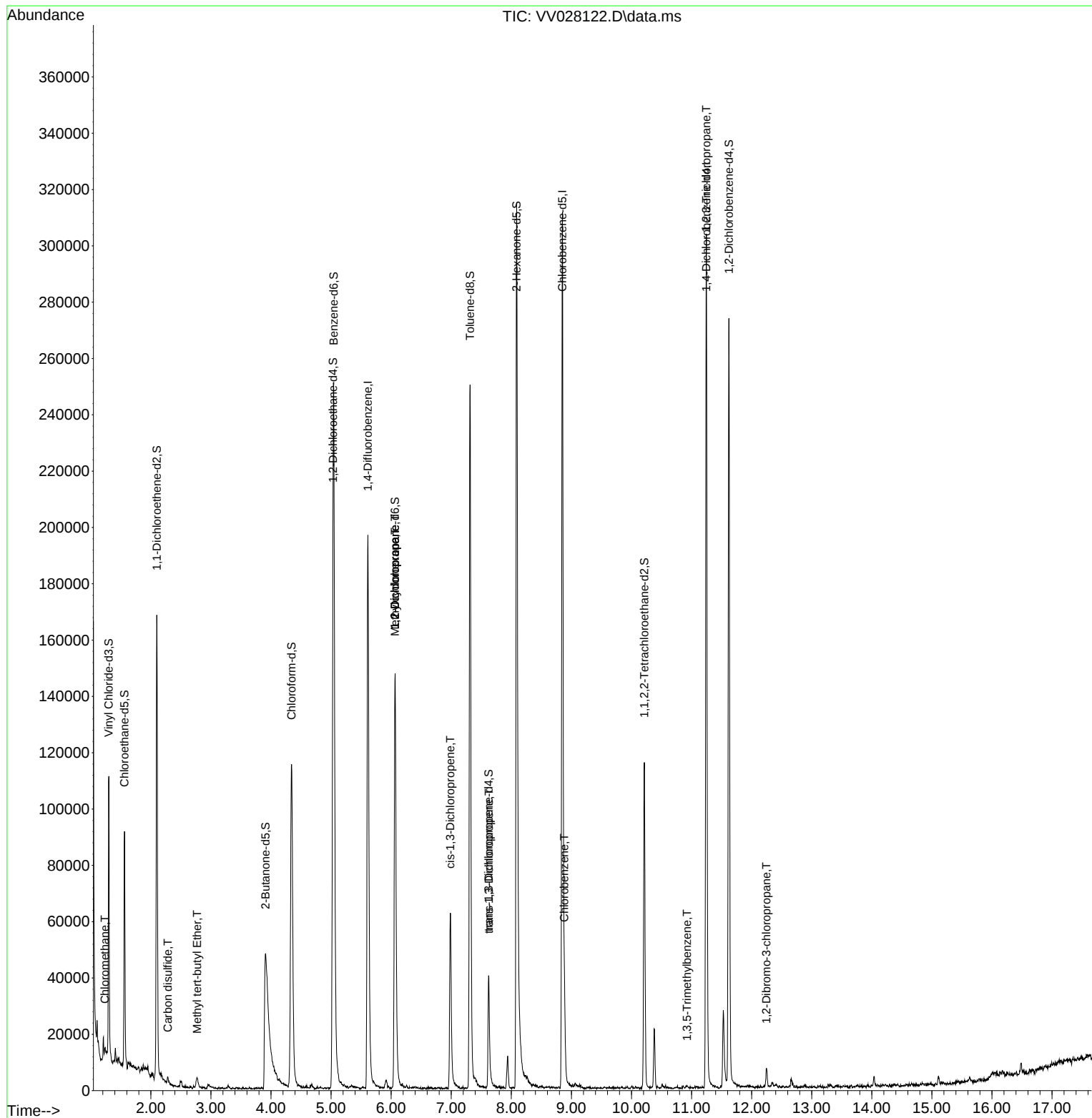
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 174349   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 175423   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 85302    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.298  | 65    | 62409    | 3.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 69.000%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 55847    | 3.886    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 77.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.098  | 63    | 85375    | 2.723    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 54.400%# |
| 20) 2-Butanone-d5             | 3.908  | 46    | 146992   | 48.170   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.340%  |
| 24) Chloroform-d              | 4.342  | 84    | 126592   | 4.389    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 61514    | 4.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.600%  |
| 32) Benzene-d6                | 5.043  | 84    | 226041   | 3.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 74363    | 4.147    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 83.000%  |
| 41) Toluene-d8                | 7.313  | 98    | 174570   | 3.353    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.000%# |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 25358    | 3.915    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 119868   | 44.339   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 57000    | 4.650    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 75343    | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.233  | 50    | 1753     | 0.102    | ug/L   | 88       |
| 14) Carbon disulfide          | 2.281  | 76    | 1929     | 0.083    | ug/L # | 90       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 3276     | 0.126    | ug/L # | 82       |
| 35) Methylcyclohexane         | 6.063  | 83    | 18017    | 1.083    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 8005     | 0.586    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 1514     | 0.089    | ug/L # | 66       |
| 44) trans-1,3-Dichloropropene | 7.625  | 75    | 1067     | 0.073    | ug/L   | 99       |
| 51) Chlorobenzene             | 8.883  | 112   | 19022    | 0.558    | ug/L   | 91       |
| 61) 1,2,3-Trichloropropane    | 11.243 | 75    | 8225     | 1.150    | ug/L # | 67       |
| 62) 1,3,5-Trimethylbenzene    | 10.924 | 105   | 451      | 0.032    | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.246 | 75    | 240      | 0.153    | ug/L # | 1        |
| -----                         |        |       |          |          |        |          |

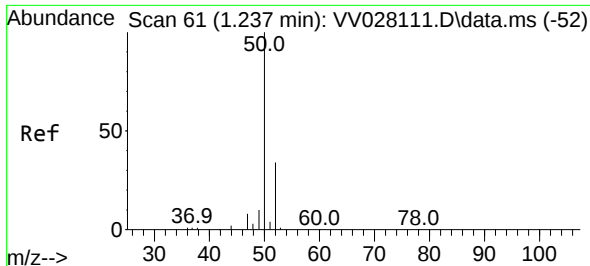
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

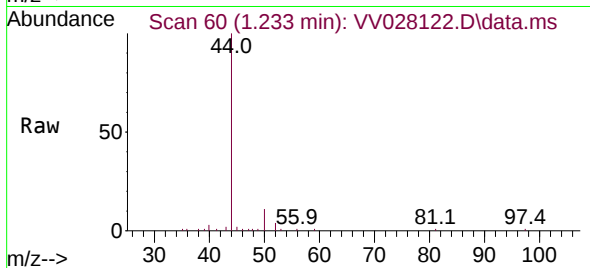
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Sep 26 21:28:54 2022  
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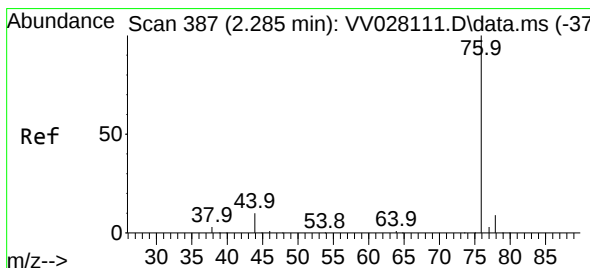
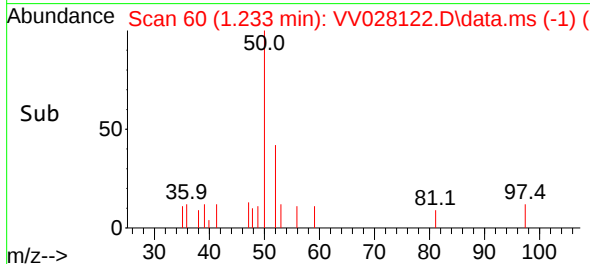
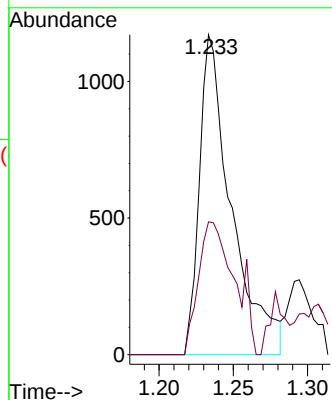


#3  
Chloromethane  
Concen: 0.102 ug/L  
RT: 1.233 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: VV028122.D  
Acq: 26 Sep 2022 17:31

Instrument :  
MSVOA\_V  
ClientSampleId :

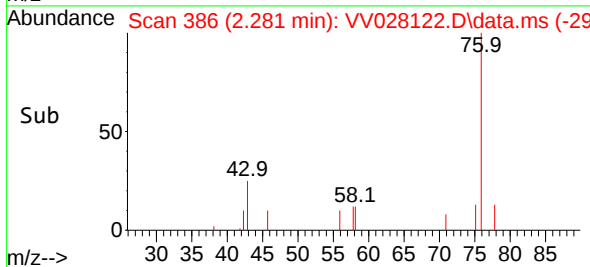
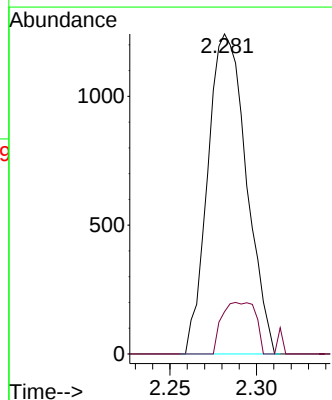
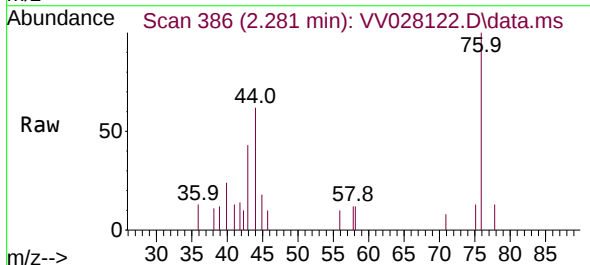


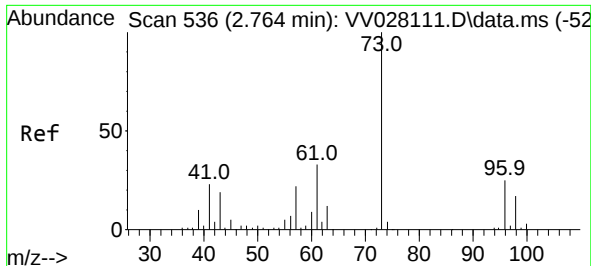
Tgt Ion: 50 Resp: 1753  
Ion Ratio Lower Upper  
50 100  
52 41.5 24.4 45.2



#14  
Carbon disulfide  
Concen: 0.083 ug/L  
RT: 2.281 min Scan# 386  
Delta R.T. -0.003 min  
Lab File: VV028122.D  
Acq: 26 Sep 2022 17:31

Tgt Ion: 76 Resp: 1929  
Ion Ratio Lower Upper  
76 100  
78 13.2 7.6 11.4#





#17

Methyl tert-butyl Ether

Concen: 0.126 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.006 min

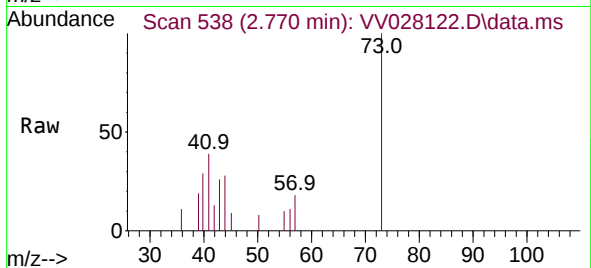
Lab File: VV028122.D

Acq: 26 Sep 2022 17:31

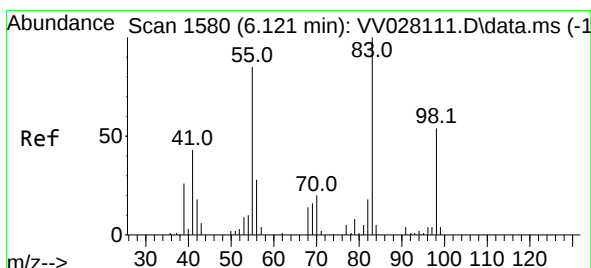
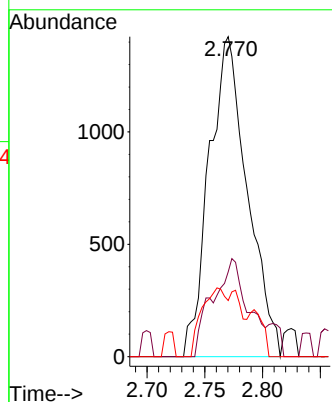
Instrument :

MSVOA\_V

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 3276  |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 28.5  | 15.7  | 23.5# |
| 57       | 14.3  | 17.8  | 26.8# |



#35

Methylcyclohexane

Concen: 1.083 ug/L

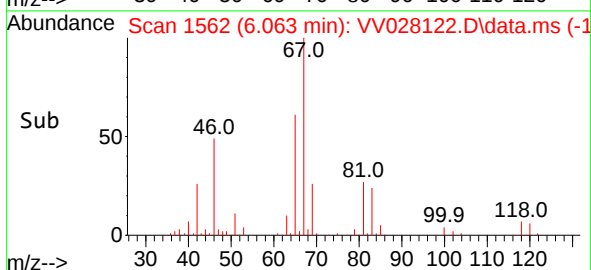
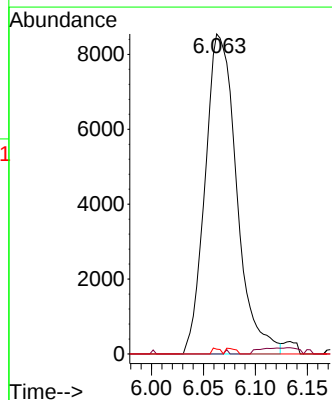
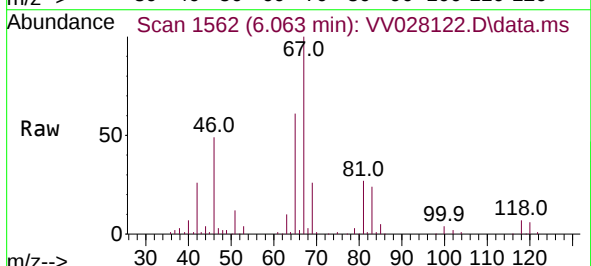
RT: 6.063 min Scan# 1562

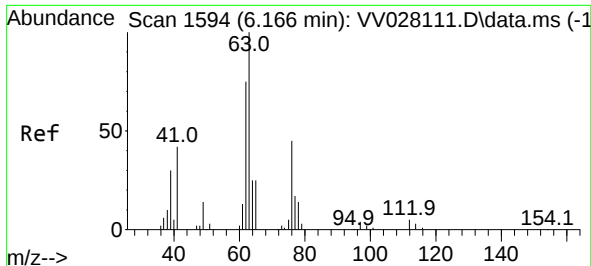
Delta R.T. -0.058 min

Lab File: VV028122.D

Acq: 26 Sep 2022 17:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 18017 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.1   | 64.7  | 97.1# |
| 98       | 0.4   | 39.5  | 59.3# |





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV028122.D

Acq: 26 Sep 2022 17:31

Instrument :

MSVOA\_V

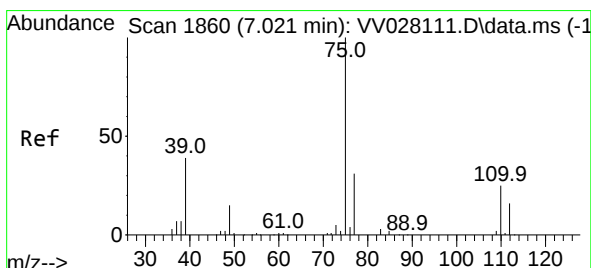
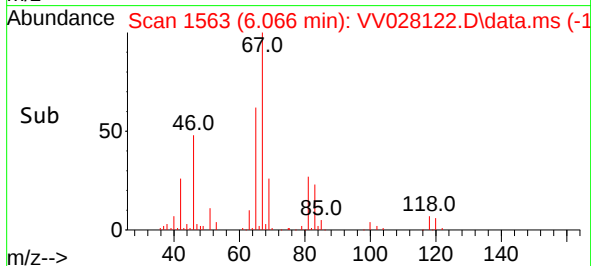
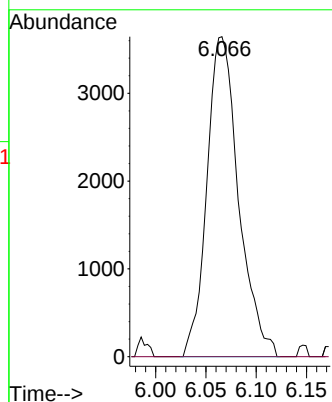
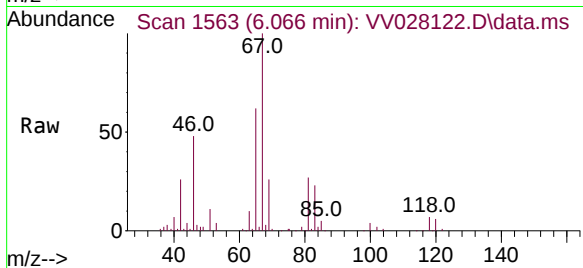
ClientSampleId :

Tgt Ion: 63 Resp: 8005

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.035 min

Lab File: VV028122.D

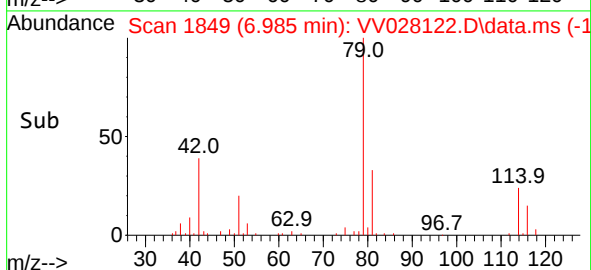
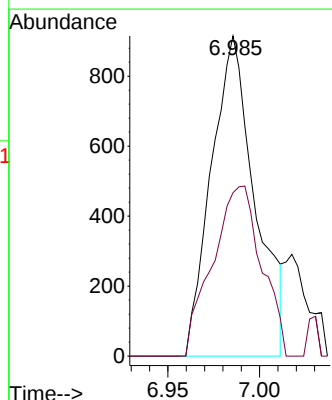
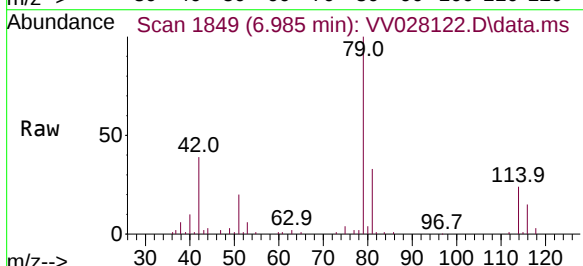
Acq: 26 Sep 2022 17:31

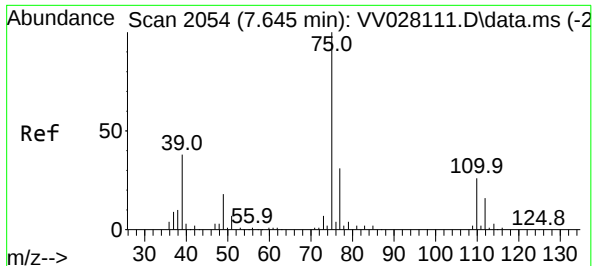
Tgt Ion: 75 Resp: 1514

Ion Ratio Lower Upper

75 100

77 51.0 22.4 41.6#

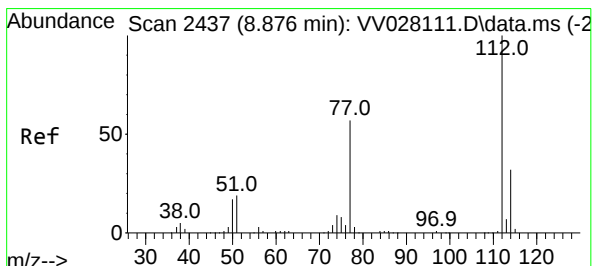
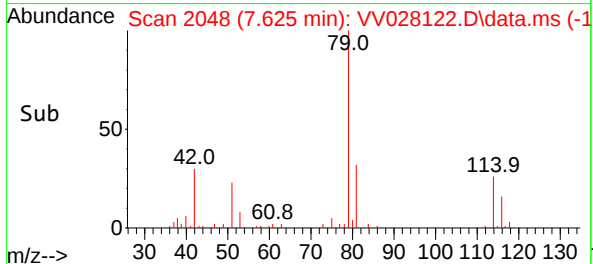
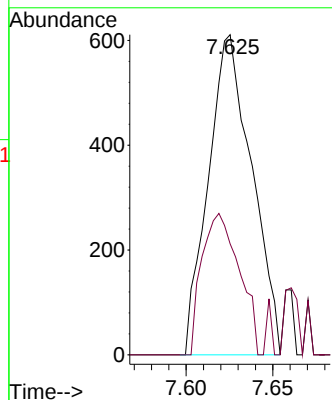
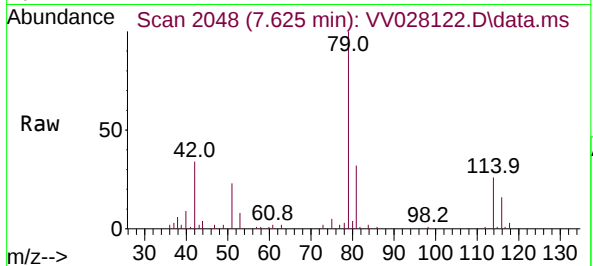




#44  
trans-1,3-Dichloropropene  
Concen: 0.073 ug/L  
RT: 7.625 min Scan# 2054  
Delta R.T. -0.019 min  
Lab File: VV028122.D  
Acq: 26 Sep 2022 17:31

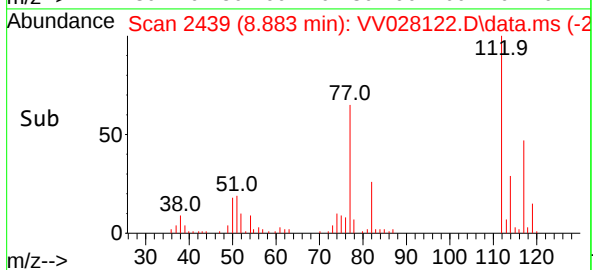
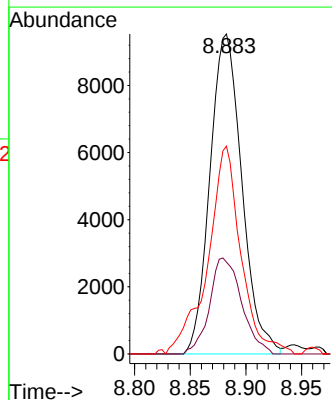
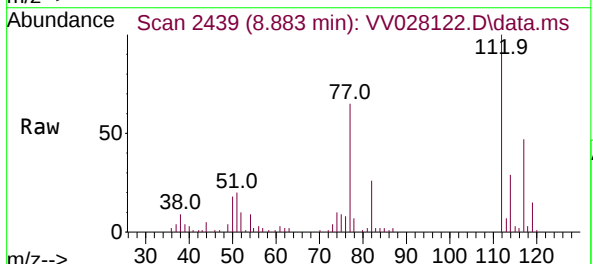
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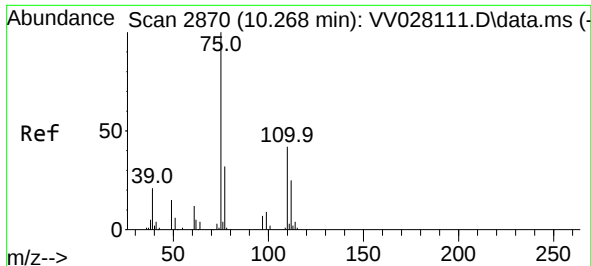
Tgt Ion: 75 Resp: 1067  
Ion Ratio Lower Upper  
75 100  
77 34.7 23.9 44.3



#51  
Chlorobenzene  
Concen: 0.558 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.006 min  
Lab File: VV028122.D  
Acq: 26 Sep 2022 17:31

Tgt Ion: 112 Resp: 19022  
Ion Ratio Lower Upper  
112 100  
114 28.7 22.5 41.7  
77 65.0 46.1 69.1

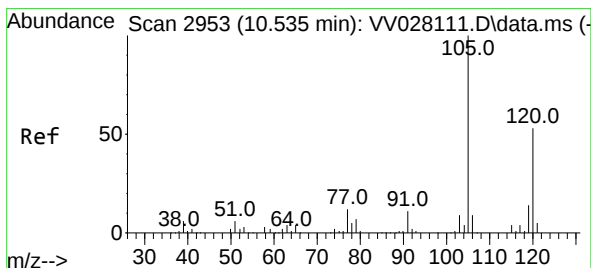
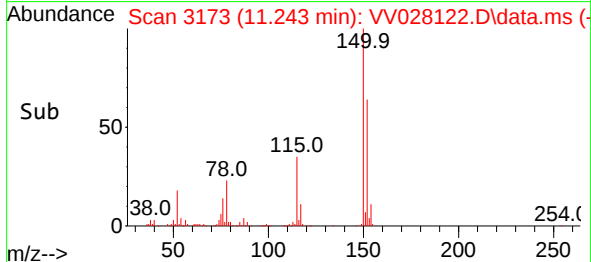
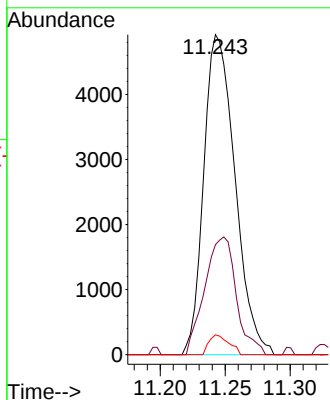
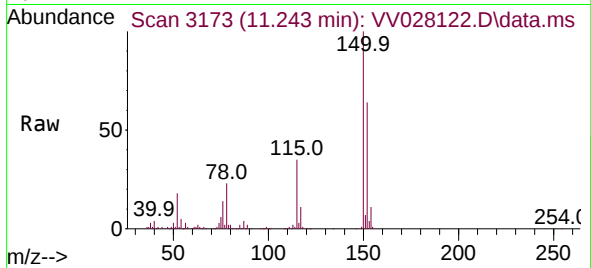




#61  
 1,2,3-Trichloropropane  
 Concen: 1.150 ug/L  
 RT: 11.243 min Scan# 3173  
 Delta R.T. 0.974 min  
 Lab File: VV028122.D  
 Acq: 26 Sep 2022 17:31

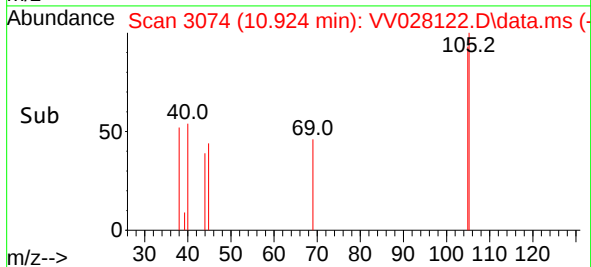
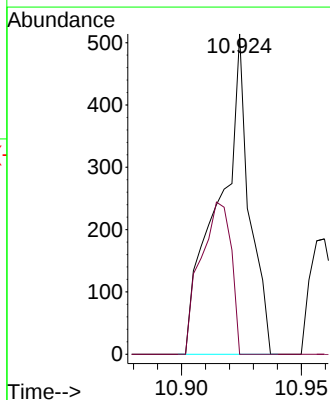
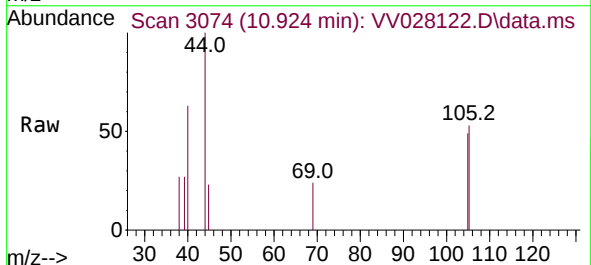
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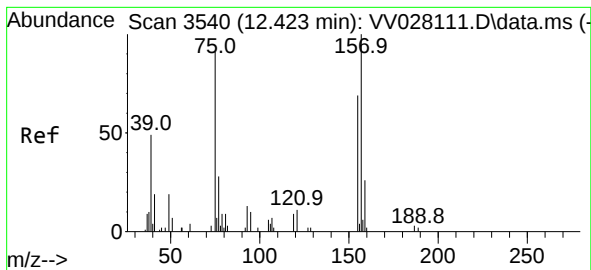
Tgt Ion: 75 Resp: 8225  
 Ion Ratio Lower Upper  
 75 100  
 77 37.1 26.7 40.1  
 110 3.9 30.1 45.1#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.032 ug/L  
 RT: 10.924 min Scan# 3074  
 Delta R.T. 0.389 min  
 Lab File: VV028122.D  
 Acq: 26 Sep 2022 17:31

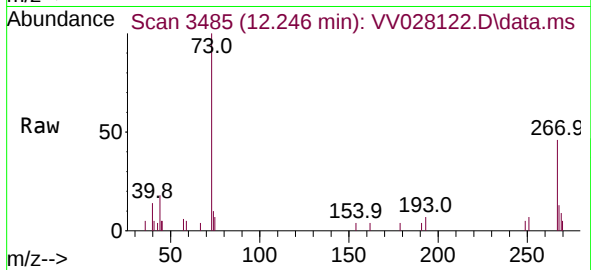
Tgt Ion: 105 Resp: 451  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 40.6 61.0





#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.153 ug/L  
 RT: 12.246 min Scan# 34  
 Delta R.T. -0.177 min  
 Lab File: VV028122.D  
 Acq: 26 Sep 2022 17:31

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 240  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 73.6 110.4#  
 157 0.0 90.7 136.1#

