

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121622\  
 Data File : VW029705.D  
 Acq On : 16 Dec 2022 18:11  
 Operator : SY/MD  
 Sample : N6034-06  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 16 20:20:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 16 20:17:28 2022  
 Response via : Initial Calibration

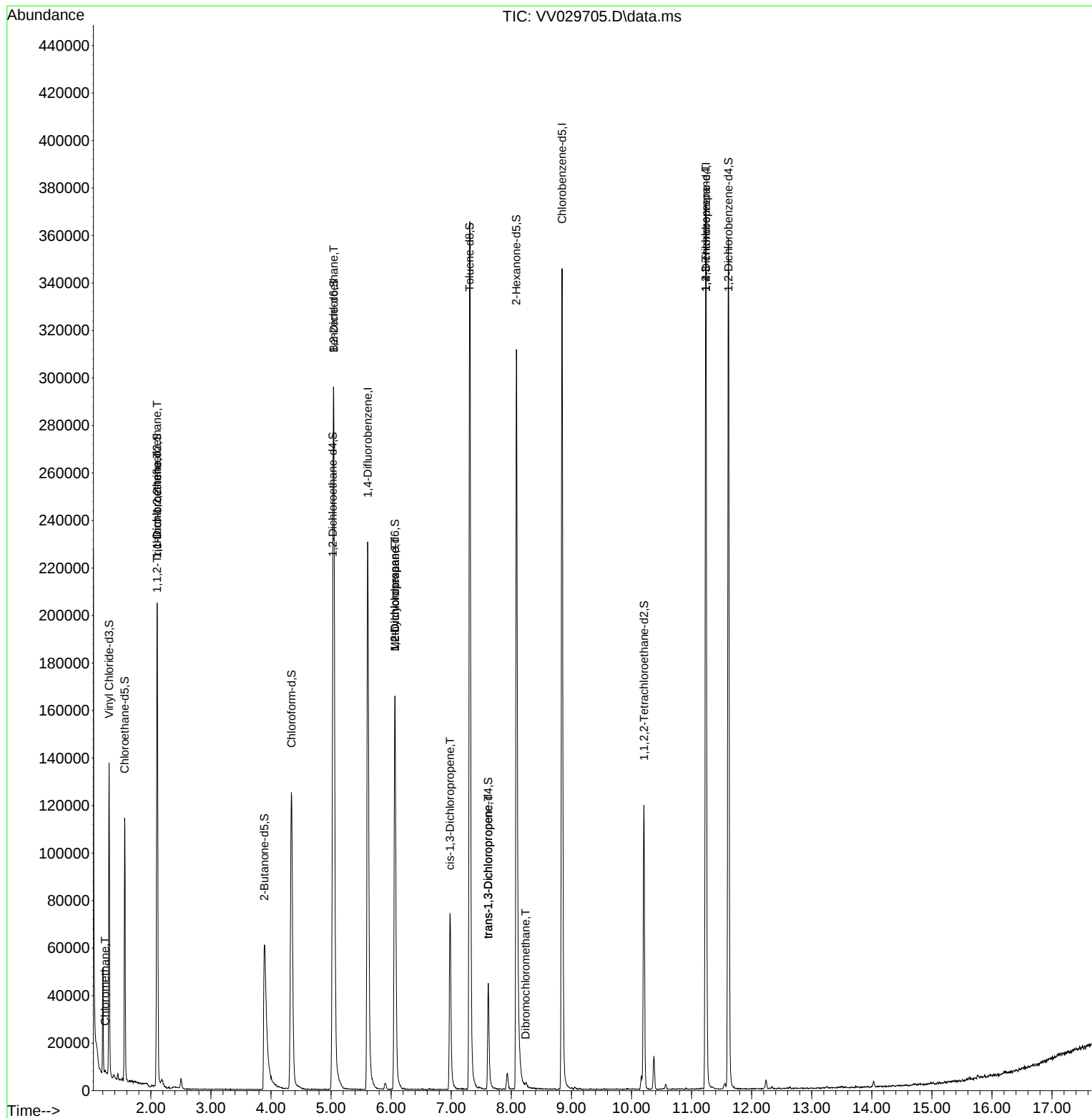
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 5.609     | 114            | 220677   | 5.000       | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844     | 117            | 203023   | 5.000       | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239    | 152            | 104076   | 5.000       | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 1.304     | 65             | 82896    | 6.104       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 122.000%  |        |          |
| 7) Chloroethane-d5            | 1.565     | 69             | 68967    | 6.937       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 138.800%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105     | 63             | 104699   | 4.818       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 96.400%   |        |          |
| 20) 2-Butanone-d5             | 3.889     | 46             | 128766   | 56.679      | ug/L   | -0.02    |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 113.360%  |        |          |
| 24) Chloroform-d              | 4.339     | 84             | 137596   | 5.676       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 113.600%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65             | 62377    | 5.849       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 117.000%  |        |          |
| 32) Benzene-d6                | 5.043     | 84             | 300793   | 5.361       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 107.200%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.063     | 67             | 89088    | 5.650       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 113.000%  |        |          |
| 41) Toluene-d8                | 7.307     | 98             | 265168   | 5.007       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 100.200%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.616     | 79             | 29185    | 4.801       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 96.000%   |        |          |
| 46) 2-Hexanone-d5             | 8.085     | 63             | 121605   | 56.121      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 112.240%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207    | 84             | 59177    | 6.083       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 121.600%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.612    | 152            | 98503    | 5.418       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 108.400%  |        |          |
| Target Compounds              |           |                |          |             |        | Qvalue   |
| 3) Chloromethane              | 1.240     | 50             | 956      | 0.063       | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.101     | 101            | 1092     | 0.093       | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.105     | 96             | 1062     | 0.094       | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.043     | 62             | 1486     | 0.112       | ug/L # | 72       |
| 35) Methylcyclohexane         | 6.063     | 83             | 21441    | 0.820       | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.063     | 63             | 9081     | 0.635       | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.979     | 75             | 1876     | 0.090       | ug/L # | 68       |
| 44) trans-1,3-Dichloropropene | 7.616     | 75             | 1274     | 0.077       | ug/L # | 77       |
| 49) Dibromochloromethane      | 8.236     | 129            | 287      | 0.026       | ug/L   | 84       |
| 61) 1,2,3-Trichloropropane    | 11.236    | 75             | 11610    | 1.608       | ug/L # | 64       |

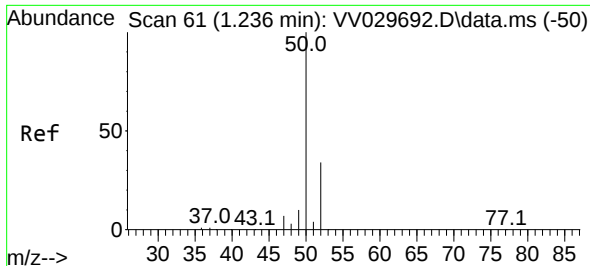
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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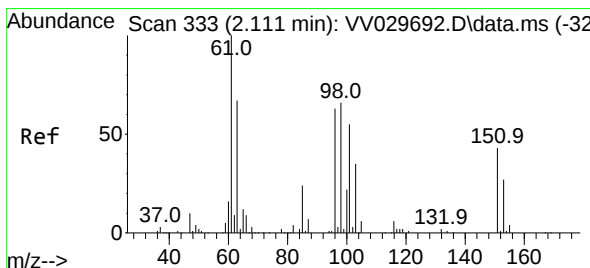
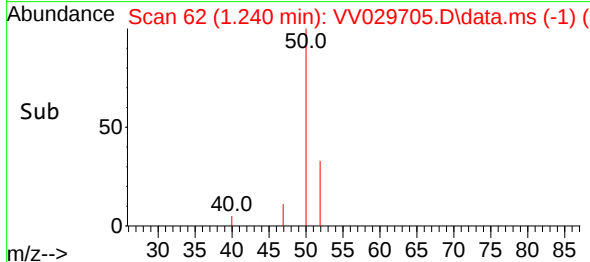
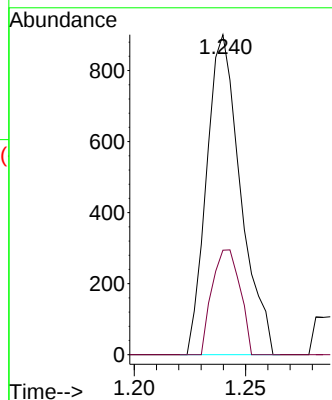
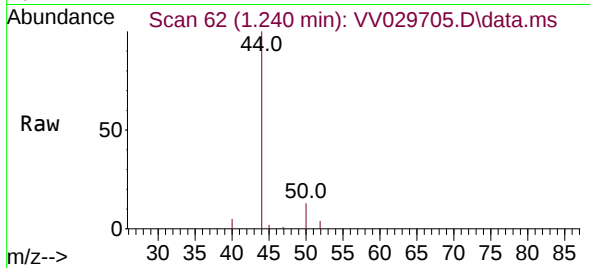




#3  
Chloromethane  
Concen: 0.063 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV029705.D  
Acq: 16 Dec 2022 18:11

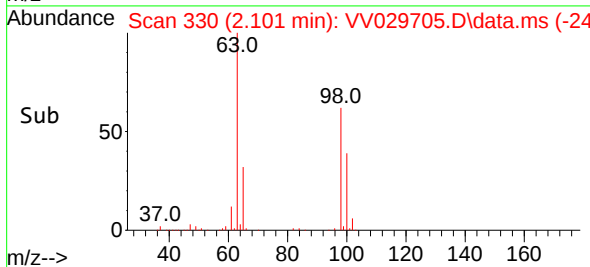
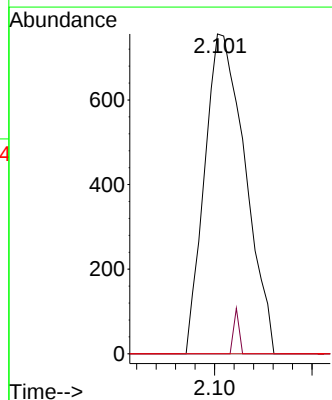
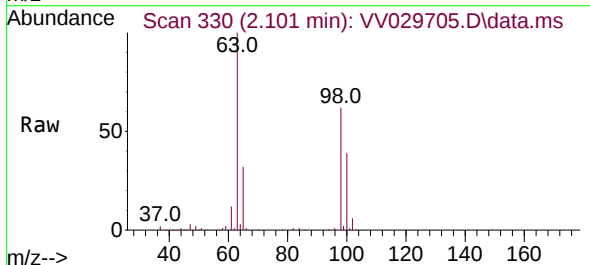
Instrument :  
MSVOA\_V  
ClientSampleId :

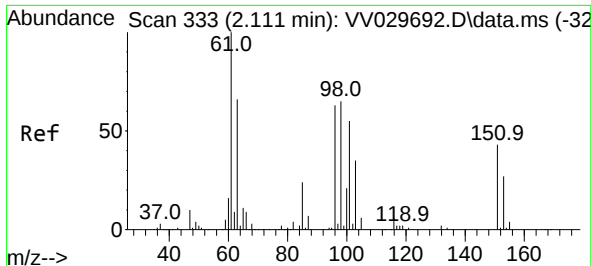
Tgt Ion: 50 Resp: 956  
Ion Ratio Lower Upper  
50 100  
52 32.6 23.2 43.2



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.093 ug/L  
RT: 2.101 min Scan# 330  
Delta R.T. -0.009 min  
Lab File: VV029705.D  
Acq: 16 Dec 2022 18:11

Tgt Ion: 101 Resp: 1092  
Ion Ratio Lower Upper  
101 100  
85 1.9 33.6 50.4#  
151 0.0 65.3 97.9#





#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV029705.D

Acq: 16 Dec 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

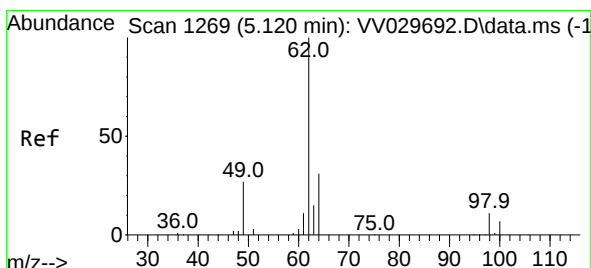
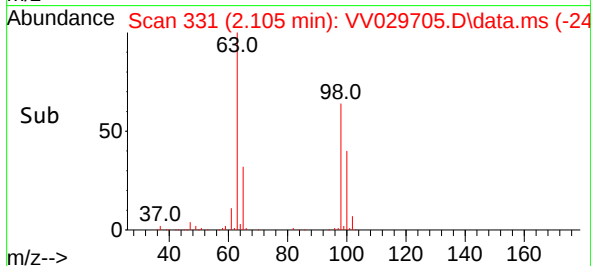
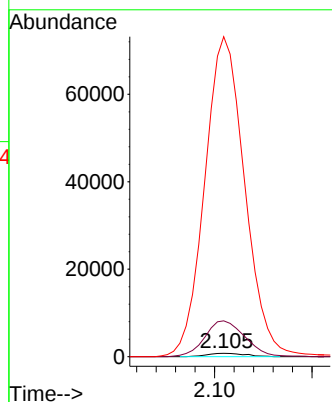
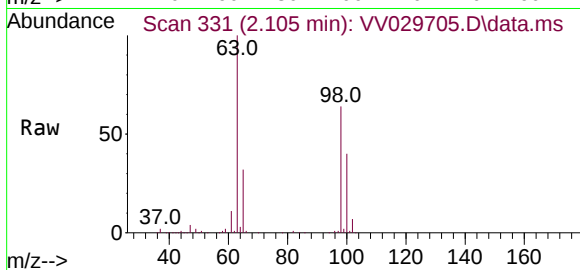
Tgt Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 1051.1 110.3 204.9#

63 9370.6 84.4 156.8#



#27

1,2-Dichloroethane

Concen: 0.112 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.077 min

Lab File: VV029705.D

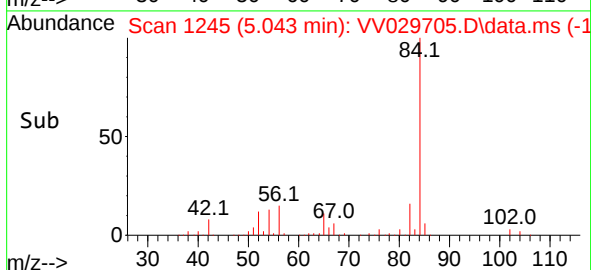
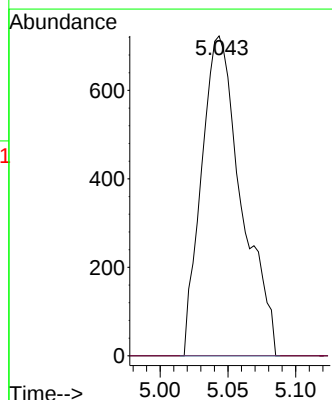
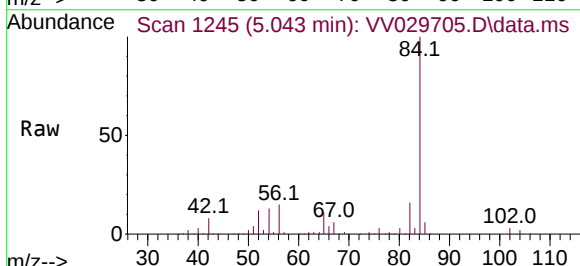
Acq: 16 Dec 2022 18:11

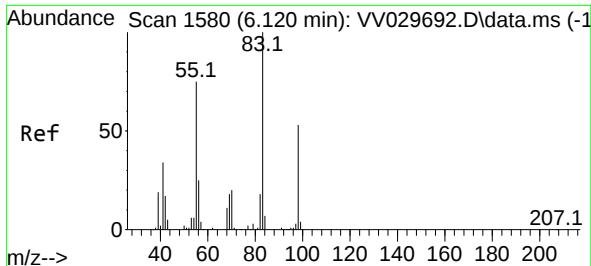
Tgt Ion: 62 Resp: 1486

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#

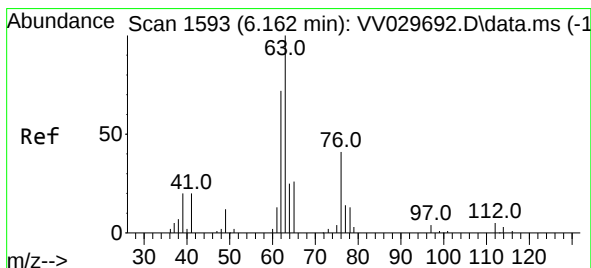
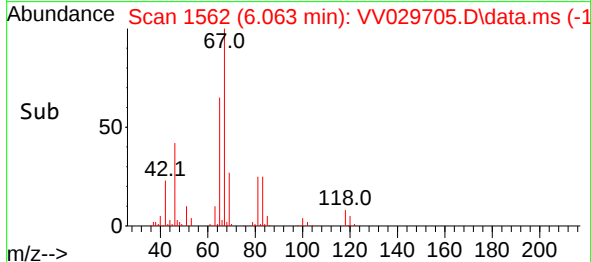
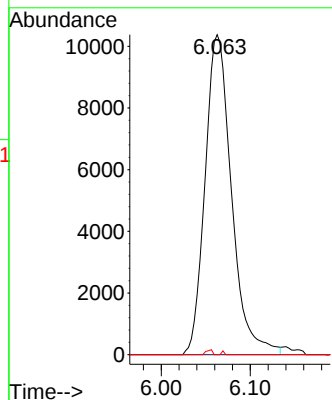
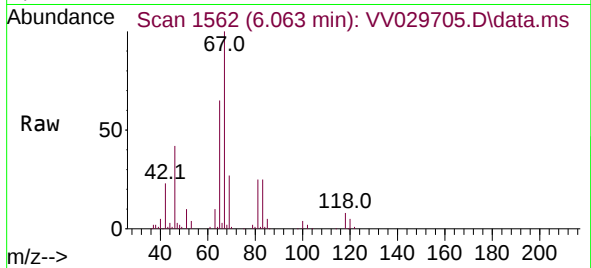




#35  
Methylcyclohexane  
Concen: 0.820 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.058 min  
Lab File: VV029705.D  
Acq: 16 Dec 2022 18:11

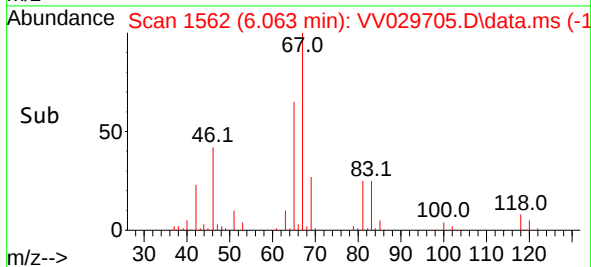
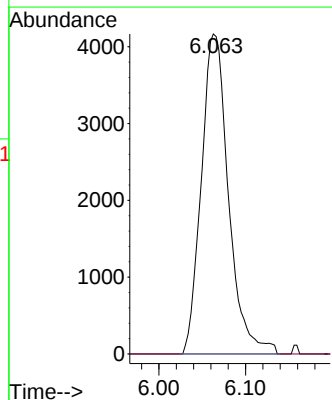
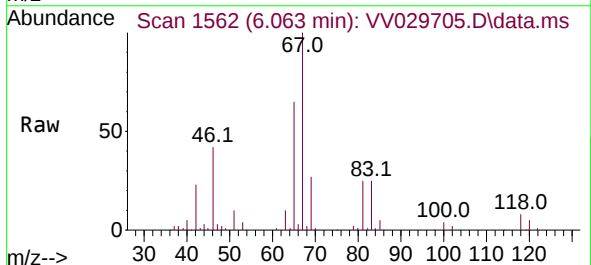
Instrument :  
MSVOA\_V  
ClientSampleId :

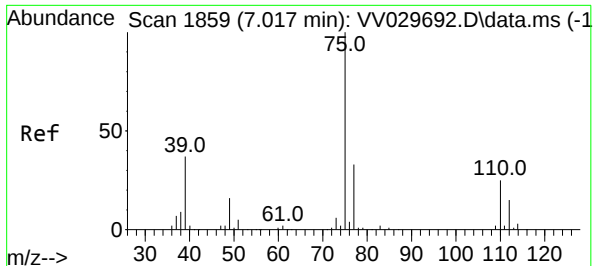
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.0   | 55.4  | 83.2# |
| 98      | 0.1   | 39.4  | 59.2# |



#37  
1,2-Dichloropropane  
Concen: 0.635 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.099 min  
Lab File: VV029705.D  
Acq: 16 Dec 2022 18:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.0   | 4.1   | 6.1#  |





#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV029705.D

Acq: 16 Dec 2022 18:11

Instrument :

MSVOA\_V

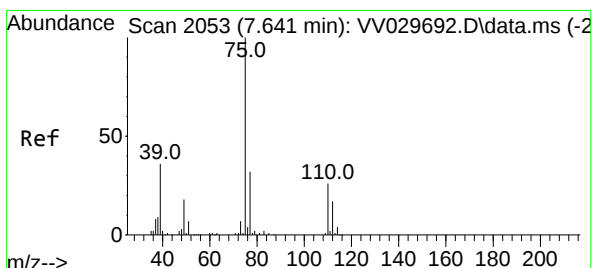
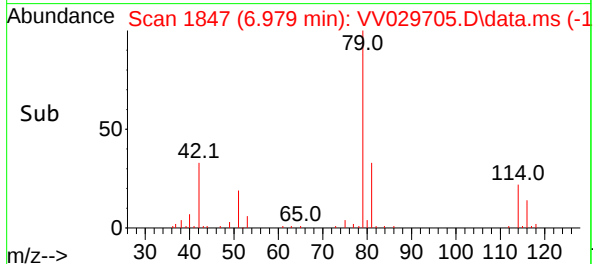
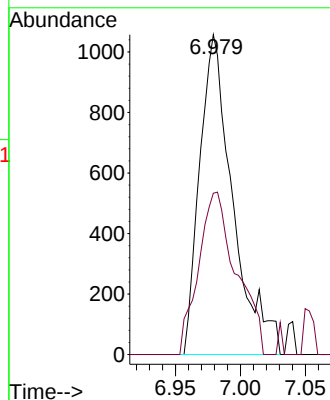
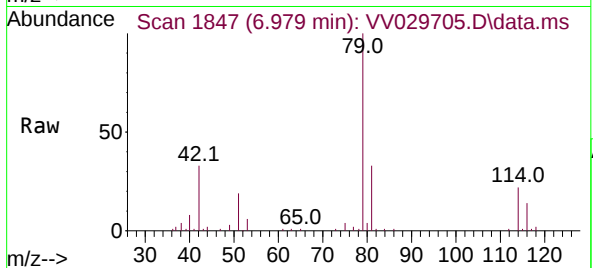
ClientSampleId :

Tgt Ion: 75 Resp: 1876

Ion Ratio Lower Upper

75 100

77 50.4 22.7 42.3#



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.026 min

Lab File: VV029705.D

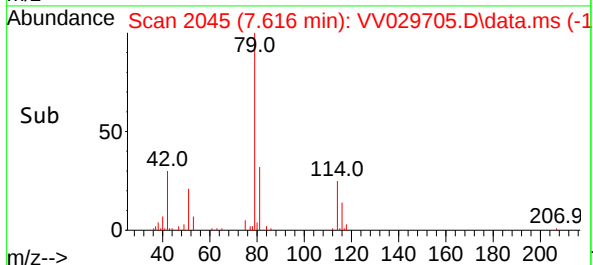
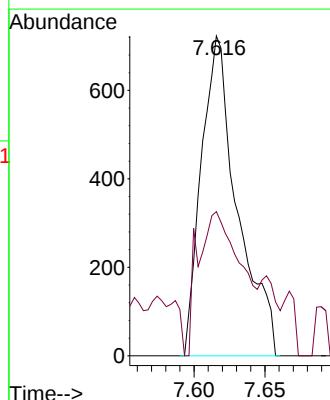
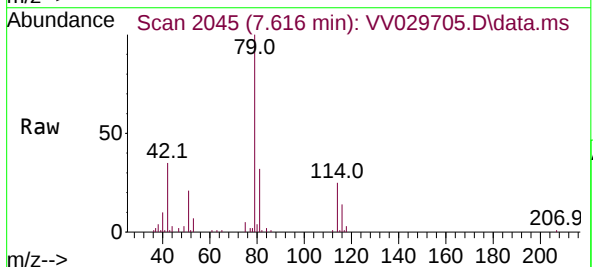
Acq: 16 Dec 2022 18:11

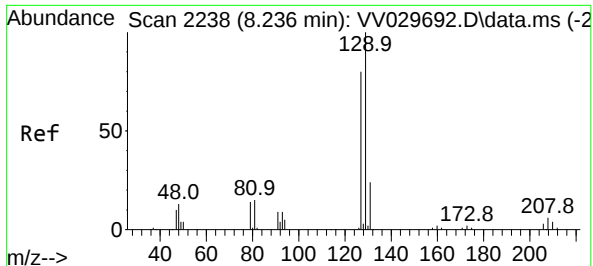
Tgt Ion: 75 Resp: 1274

Ion Ratio Lower Upper

75 100

77 45.1 22.4 41.6#





#49

Dibromochloromethane

Concen: 0.026 ug/L

RT: 8.236 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029705.D

Acq: 16 Dec 2022 18:11

Instrument :

MSVOA\_V

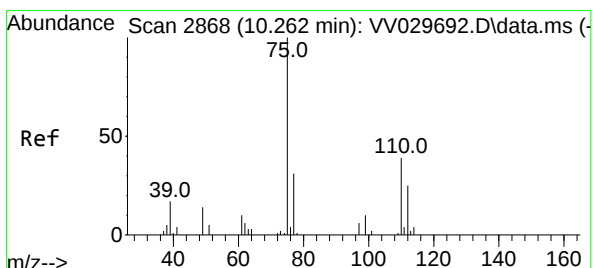
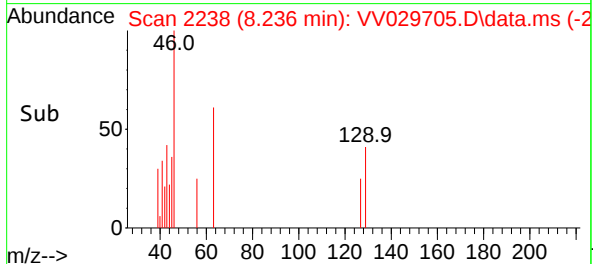
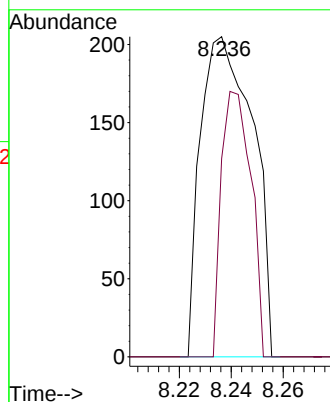
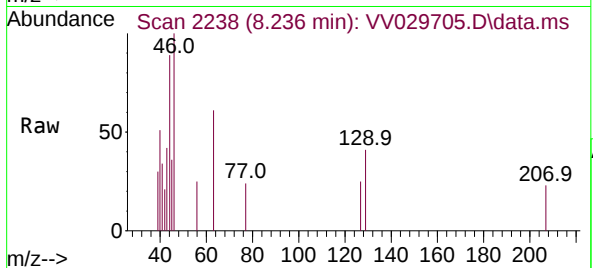
ClientSampleId :

Tgt Ion:129 Resp: 287

Ion Ratio Lower Upper

129 100

127 62.0 53.1 98.7



#61

1,2,3-Trichloropropane

Concen: 1.608 ug/L

RT: 11.236 min Scan# 3171

Delta R.T. 0.974 min

Lab File: VV029705.D

Acq: 16 Dec 2022 18:11

Tgt Ion: 75 Resp: 11610

Ion Ratio Lower Upper

75 100

77 35.7 26.7 40.1

110 1.4 32.2 48.4#

