

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121021\  
 Data File : VX025699.D  
 Acq On : 10 Dec 2021 14:18  
 Operator : JC/MD  
 Sample : M4888-01ME  
 Misc : 5.22g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 10 23:33:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 10 23:31:21 2021  
 Response via : Initial Calibration

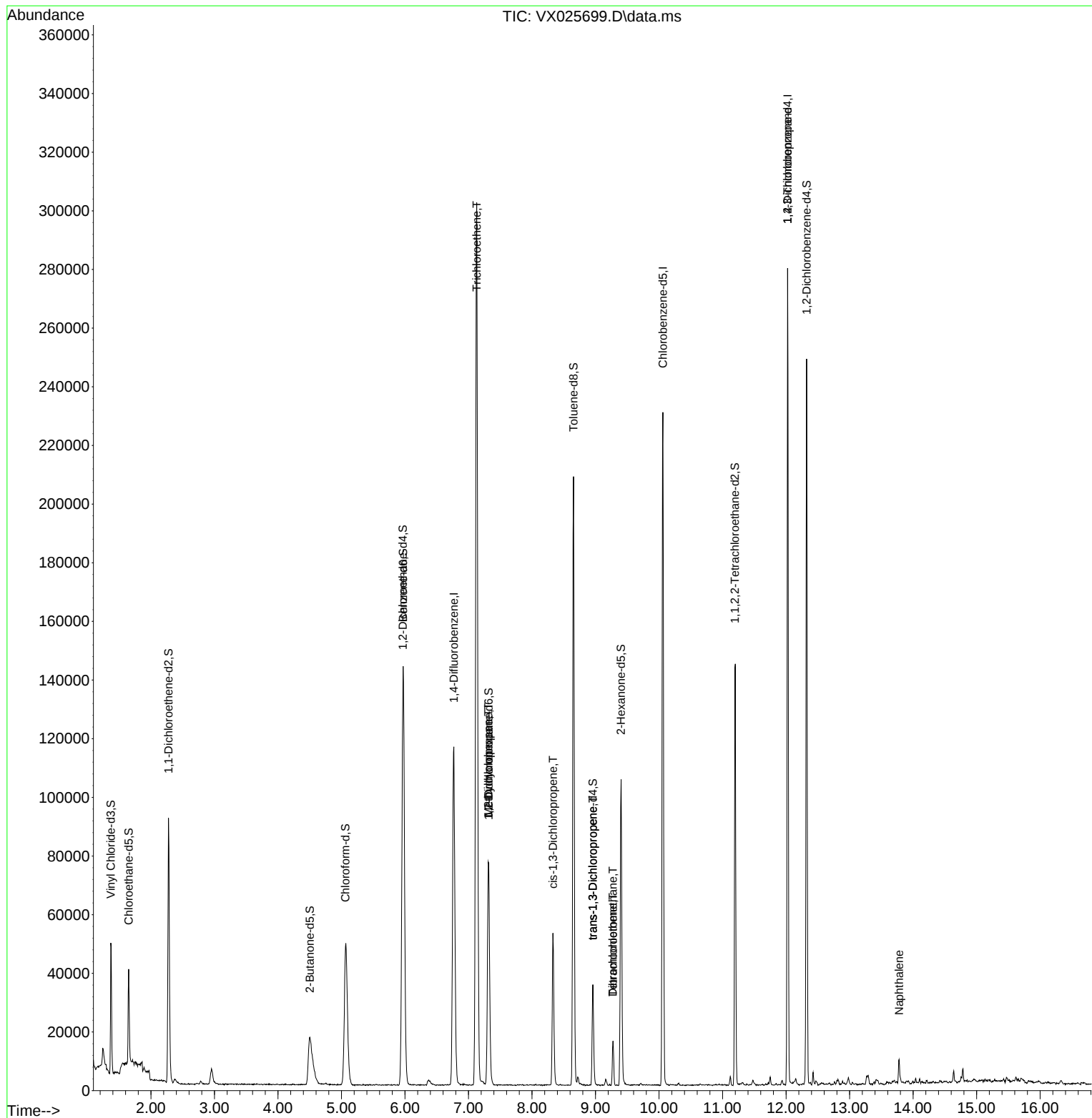
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114   | 131762   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.061  | 117   | 117498   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 58725    | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 33278    | 37.008   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.020%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 21038    | 28.347   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 56.700%# |
| 11) 1,1-Dichloroethene-d2     | 2.276   | 63    | 51777    | 36.113   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 72.220%  |
| 21) 2-Butanone-d5             | 4.501   | 46    | 49922    | 74.580   | ug/L   | 0.05     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 74.580%  |
| 24) Chloroform-d              | 5.062   | 84    | 63261    | 40.253   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.500%  |
| 26) 1,2-Dichloroethane-d4     | 5.964   | 65    | 43572    | 44.480   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.960%  |
| 32) Benzene-d6                | 5.970   | 84    | 139248   | 44.716   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.440%  |
| 36) 1,2-Dichloropropane-d6    | 7.318   | 67    | 40608    | 42.118   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.240%  |
| 41) Toluene-d8                | 8.653   | 98    | 128785   | 43.814   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.620%  |
| 43) trans-1,3-Dichloroprop... | 8.958   | 79    | 18069    | 37.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.560%  |
| 47) 2-Hexanone-d5             | 9.403   | 63    | 35215    | 70.166   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 70.170%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 55540    | 40.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 81.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 49001    | 42.543   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.080%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 34) Trichloroethene           | 7.129   | 95    | 115096   | 139.408  | ug/L   | 97       |
| 35) Methylcyclohexane         | 7.312   | 83    | 10596    | 8.154    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 7.312   | 63    | 4680     | 5.944    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 8.330   | 75    | 1276     | 0.995    | ug/L # | 74       |
| 44) trans-1,3-Dichloropropene | 8.958   | 75    | 900      | 0.730    | ug/L # | 82       |
| 46) Tetrachloroethene         | 9.275   | 164   | 2884     | 4.119    | ug/L   | 98       |
| 49) Dibromochloromethane      | 9.275   | 129   | 2738     | 2.843    | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 12.024  | 75    | 6846     | 6.815    | ug/L # | 63       |
| 71) Naphthalene               | 13.780  | 128   | 5797     | 1.614    | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

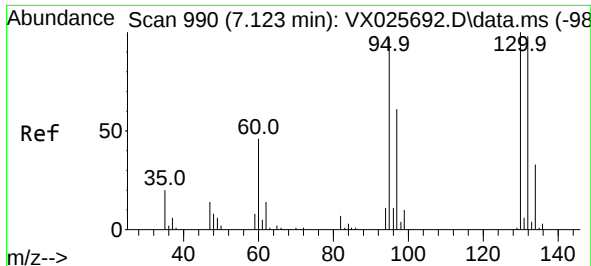
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4888-01ME  
Misc : 5.22g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 10 23:33:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 10 23:31:21 2021  
Response via : Initial Calibration

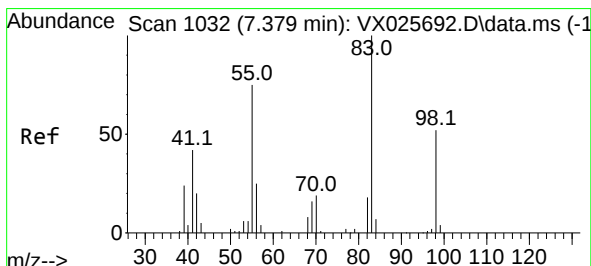
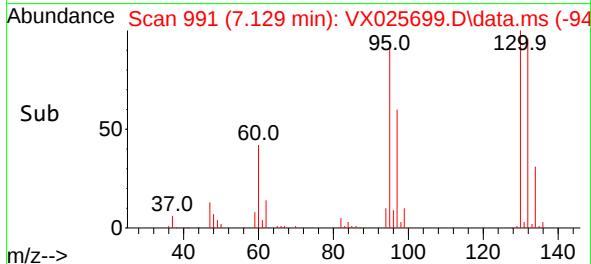
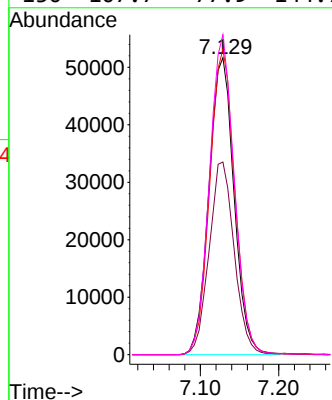
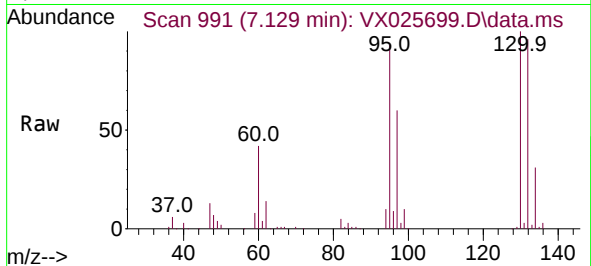




#34  
Trichloroethene  
Concen: 139.408 ug/L  
RT: 7.129 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX025699.D  
Acq: 10 Dec 2021 14:18

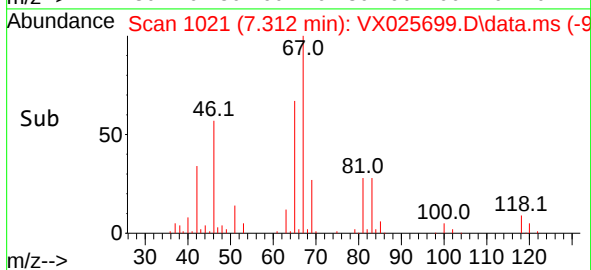
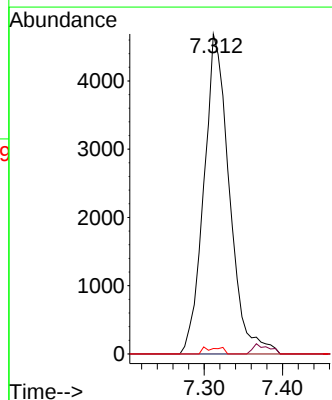
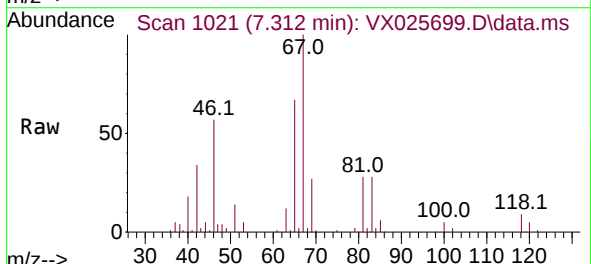
Instrument :  
MSVOA\_X  
ClientSampleId :

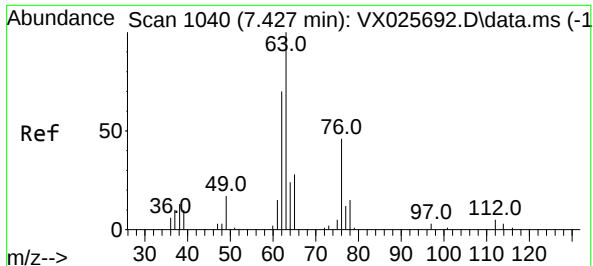
Tgt Ion: 95 Resp: 115096  
Ion Ratio Lower Upper  
95 100  
97 64.8 46.0 85.4  
132 102.9 75.0 139.2  
130 107.7 77.9 144.7



#35  
Methylcyclohexane  
Concen: 8.154 ug/L  
RT: 7.312 min Scan# 1021  
Delta R.T. -0.067 min  
Lab File: VX025699.D  
Acq: 10 Dec 2021 14:18

Tgt Ion: 83 Resp: 10596  
Ion Ratio Lower Upper  
83 100  
55 2.0 57.3 85.9#  
98 0.9 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 5.944 ug/L

RT: 7.312 min Scan# 1188

Delta R.T. -0.116 min

Lab File: VX025699.D

Acq: 10 Dec 2021 14:18

Instrument :

MSVOA\_X

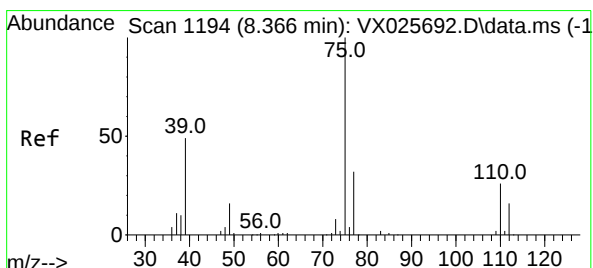
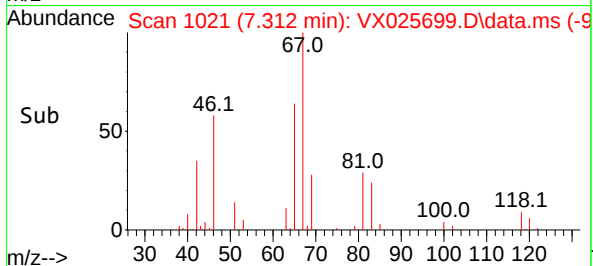
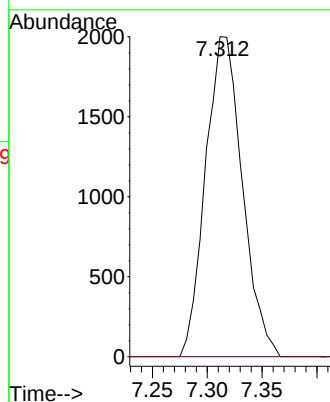
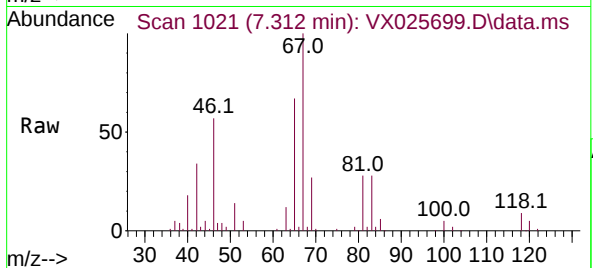
ClientSampleId :

Tgt Ion: 63 Resp: 4680

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.995 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX025699.D

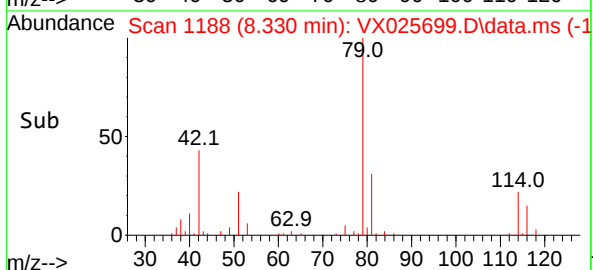
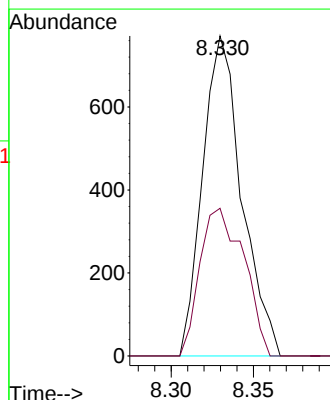
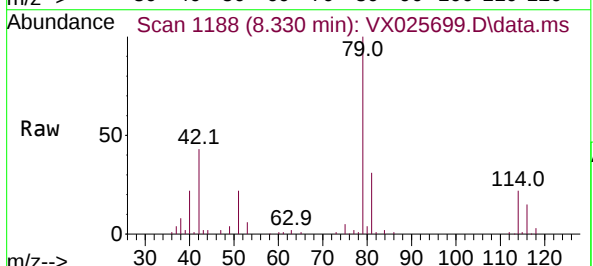
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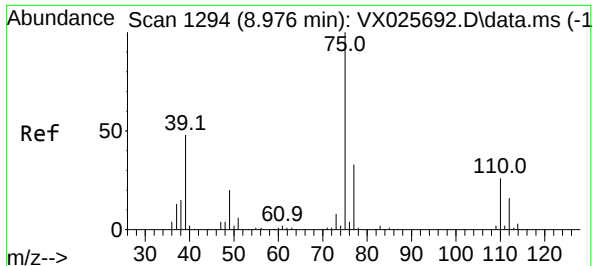
Tgt Ion: 75 Resp: 1276

Ion Ratio Lower Upper

75 100

77 46.2 22.3 41.3#

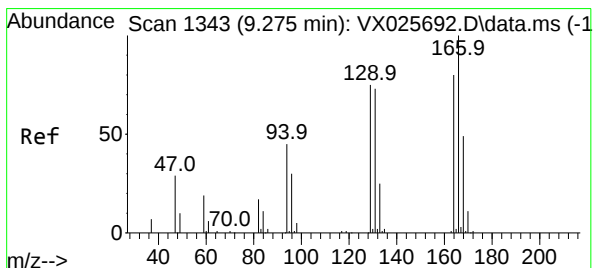
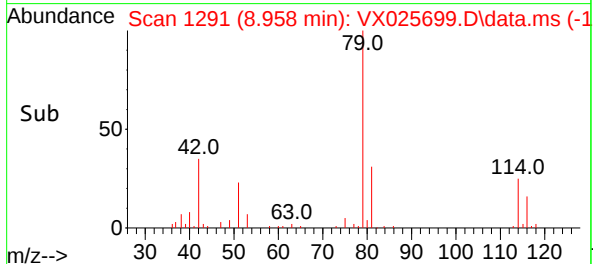
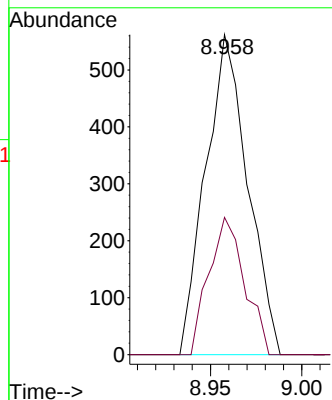
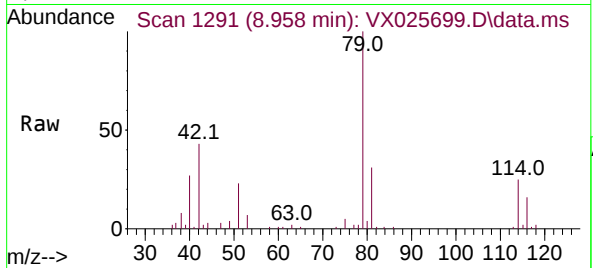




#44  
trans-1,3-Dichloropropene  
Concen: 0.730 ug/L  
RT: 8.958 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VX025699.D  
Acq: 10 Dec 2021 14:18

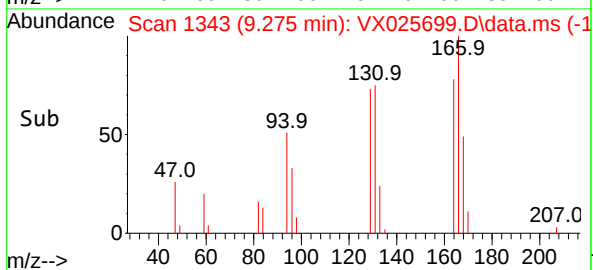
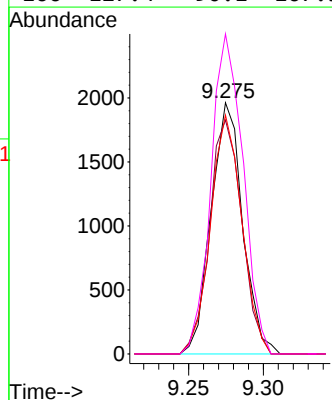
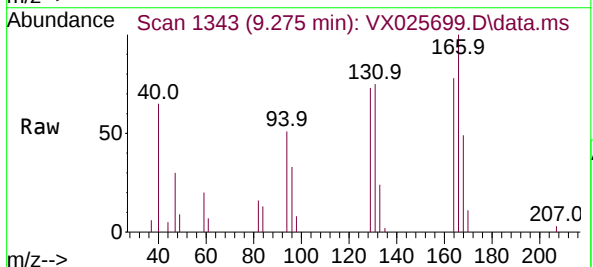
Instrument :  
MSVOA\_X  
ClientSampleId :

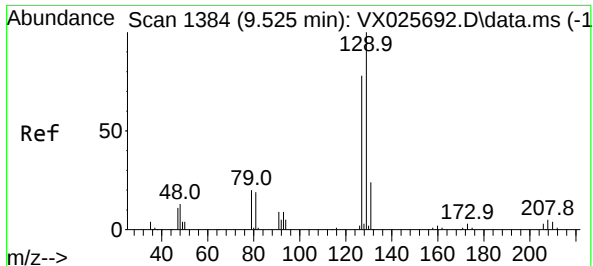
Tgt Ion: 75 Resp: 900  
Ion Ratio Lower Upper  
75 100  
77 42.9 23.0 42.8#



#46  
Tetrachloroethene  
Concen: 4.119 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX025699.D  
Acq: 10 Dec 2021 14:18

Tgt Ion:164 Resp: 2884  
Ion Ratio Lower Upper  
164 100  
129 93.2 64.7 120.1  
131 95.1 63.2 117.4  
166 127.4 90.1 167.3





#49

Dibromochloromethane

Concen: 2.843 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025699.D

Acq: 10 Dec 2021 14:18

Instrument :

MSVOA\_X

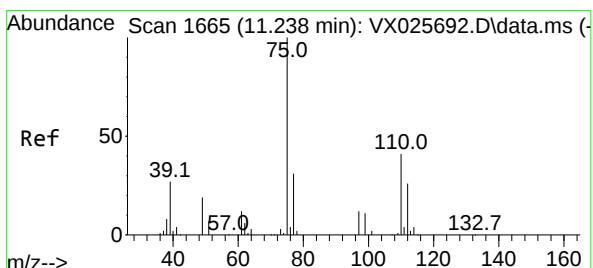
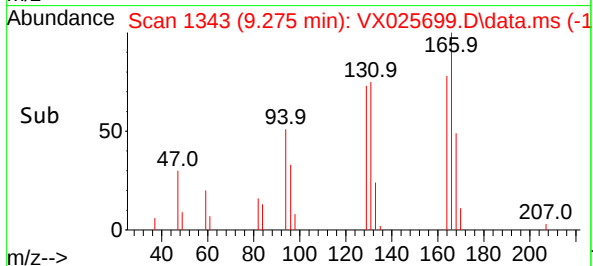
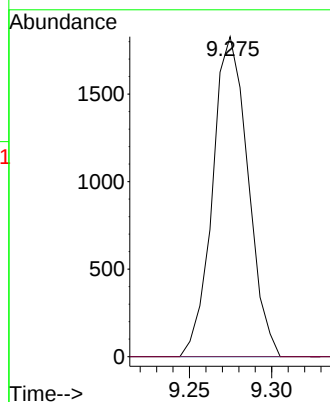
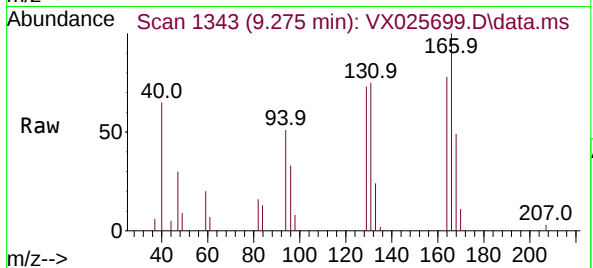
ClientSampleId :

Tgt Ion:129 Resp: 2738

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.2#



#61

1,2,3-Trichloropropane

Concen: 6.815 ug/L

RT: 12.024 min Scan# 1794

Delta R.T. 0.786 min

Lab File: VX025699.D

Acq: 10 Dec 2021 14:18

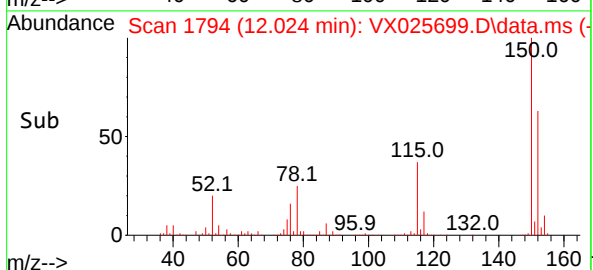
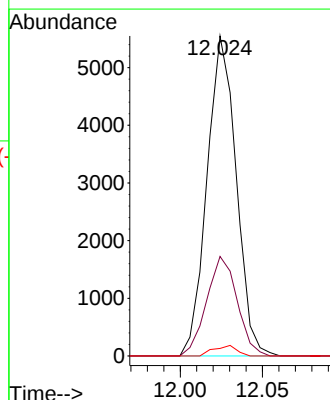
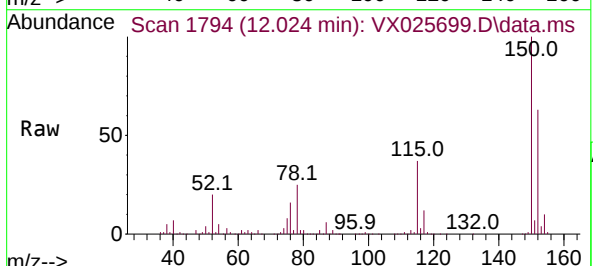
Tgt Ion: 75 Resp: 6846

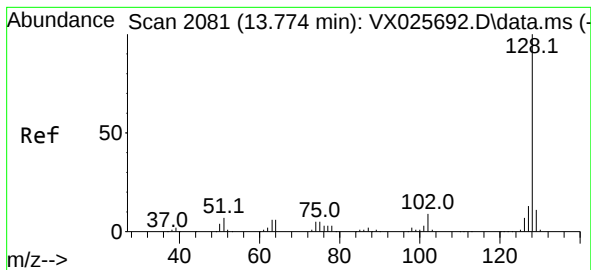
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

110 2.6 34.7 52.1#





#71

Naphthalene

Concen: 1.614 ug/L

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

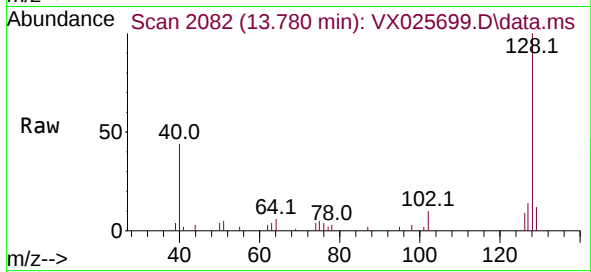
Lab File: VX025699.D

Acq: 10 Dec 2021 14:18

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:128 Resp: 5797

Ion Ratio Lower Upper

128 100

127 12.0 10.1 15.1

129 10.5 8.7 13.1

