

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122521\  
 Data File : VX026036.D  
 Acq On : 25 Dec 2021 16:07  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 5.00G/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 27 05:15:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML122321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 23 21:00:32 2021  
 Response via : Initial Calibration

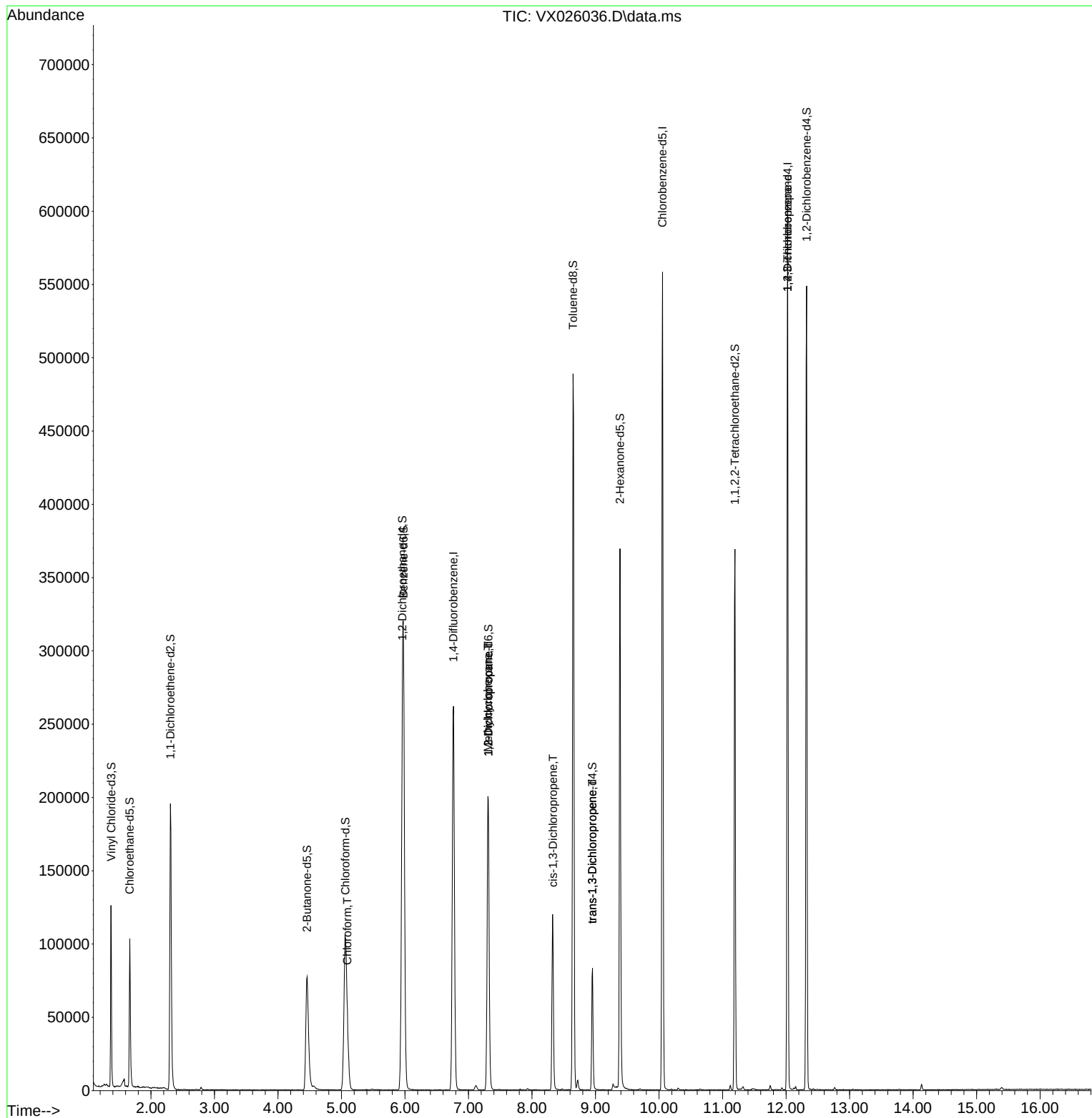
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 263364   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 238708   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 115665   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.374   | 65    | 75300    | 40.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 80.640%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 63213    | 42.353   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 84.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 63    | 112215   | 30.320   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 60.640%  |
| 21) 2-Butanone-d5             | 4.459   | 46    | 132701   | 81.955   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 81.950%  |
| 24) Chloroform-d              | 5.062   | 84    | 121103   | 32.403   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 64.800%# |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 104534   | 41.310   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.620%  |
| 32) Benzene-d6                | 5.977   | 84    | 309576   | 45.057   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.120%  |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 98241    | 45.998   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 8.647   | 98    | 278019   | 43.338   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.680%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 36611    | 39.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.800%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 104699   | 94.985   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.990%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 136363   | 43.300   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 105643   | 48.334   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.660%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 25) Chloroform                | 5.093   | 83    | 32378    | 8.731    | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.306   | 83    | 23266    | 7.581    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 7.312   | 63    | 11110    | 5.774    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 8.330   | 75    | 3002     | 1.086    | ug/L   | 91       |
| 44) trans-1,3-Dichloropropene | 8.952   | 75    | 1920     | 0.732    | ug/L   | 93       |
| 61) 1,2,3-Trichloropropane    | 12.024  | 75    | 15203    | 6.578    | ug/L # | 62       |
| -----                         |         |       |          |          |        |          |

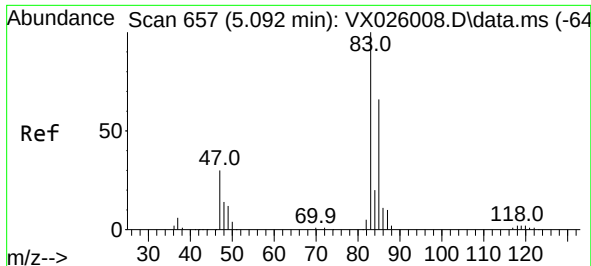
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

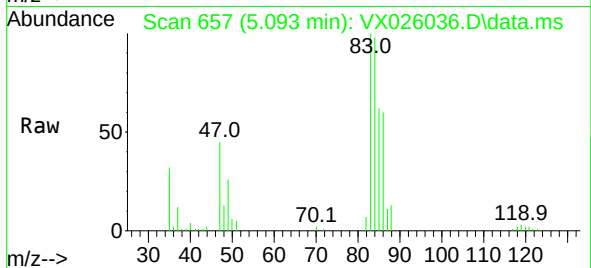
Quant Time: Dec 27 05:15:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 23 21:00:32 2021  
Response via : Initial Calibration



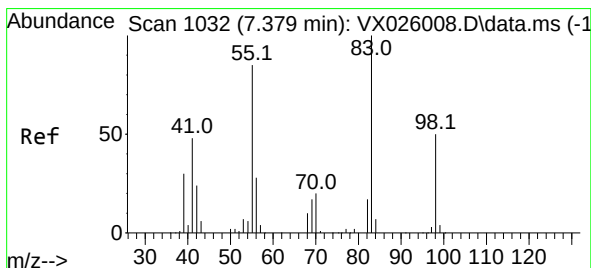
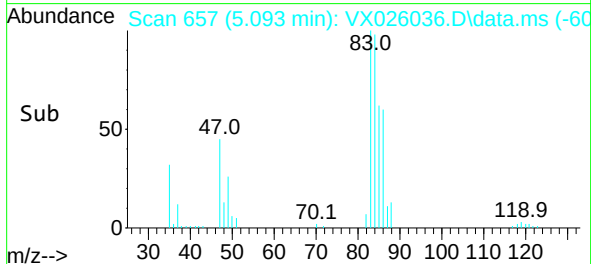
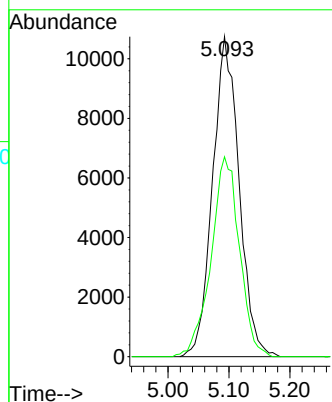


#25  
Chloroform  
Concen: 8.731 ug/L  
RT: 5.093 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX026036.D  
Acq: 25 Dec 2021 16:07

Instrument :  
MSVOA\_X  
ClientSampleId :

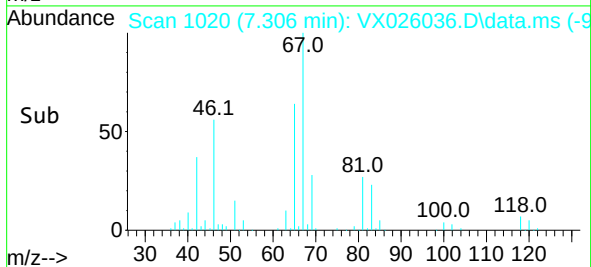
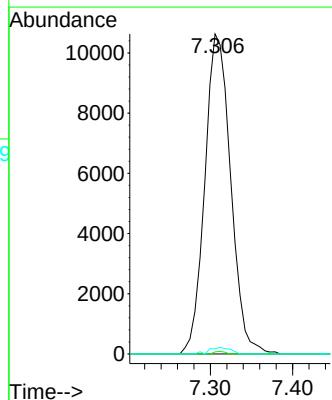
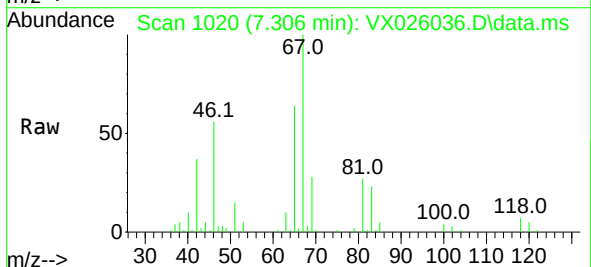


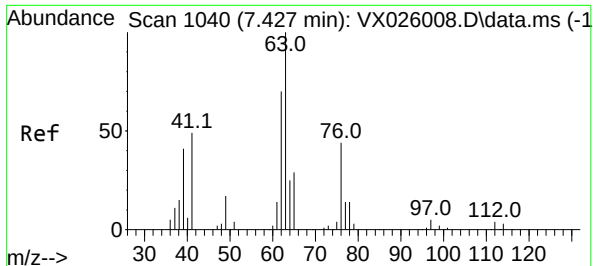
Tgt Ion: 83 Resp: 32378  
Ion Ratio Lower Upper  
83 100  
85 62.4 44.9 83.5



#35  
Methylcyclohexane  
Concen: 7.581 ug/L  
RT: 7.306 min Scan# 1020  
Delta R.T. -0.079 min  
Lab File: VX026036.D  
Acq: 25 Dec 2021 16:07

Tgt Ion: 83 Resp: 23266  
Ion Ratio Lower Upper  
83 100  
55 0.3 57.3 85.9#  
98 1.5 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 5.774 ug/L

RT: 7.312 min Scan# 1111

Delta R.T. -0.122 min

Lab File: VX026036.D

Acq: 25 Dec 2021 16:07

Instrument :

MSVOA\_X

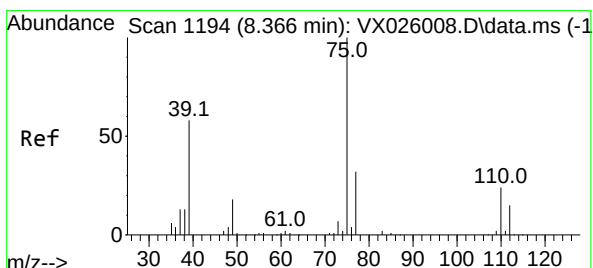
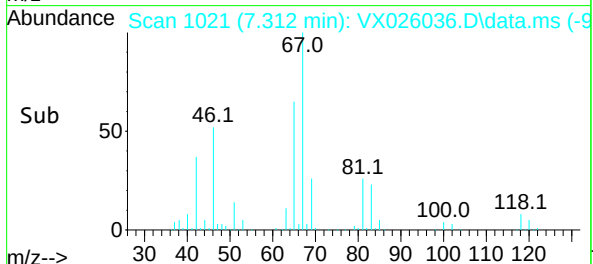
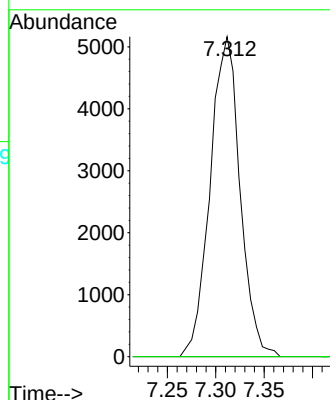
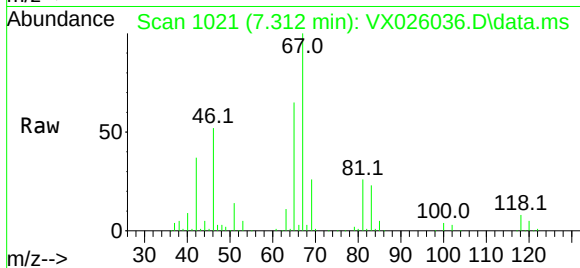
ClientSampleId :

Tgt Ion: 63 Resp: 11110

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 1.086 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX026036.D

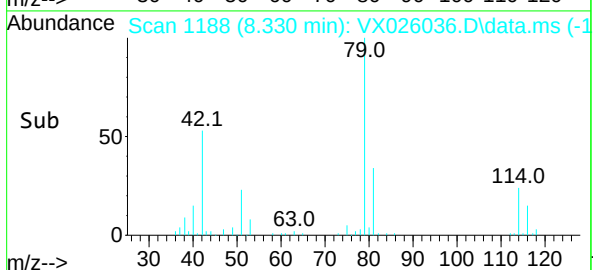
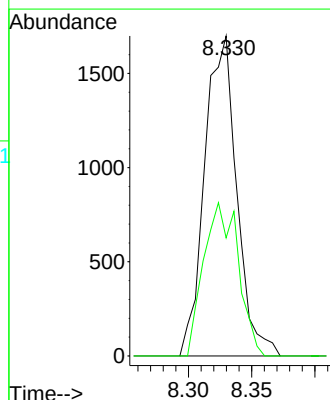
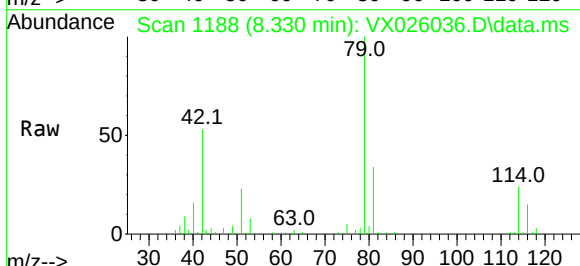
Acq: 25 Dec 2021 16:07

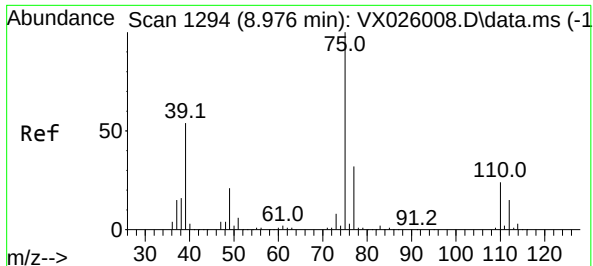
Tgt Ion: 75 Resp: 3002

Ion Ratio Lower Upper

75 100

77 36.9 22.3 41.3

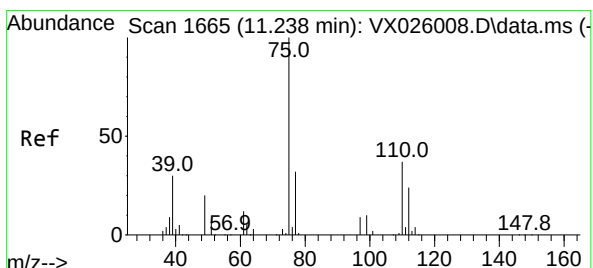
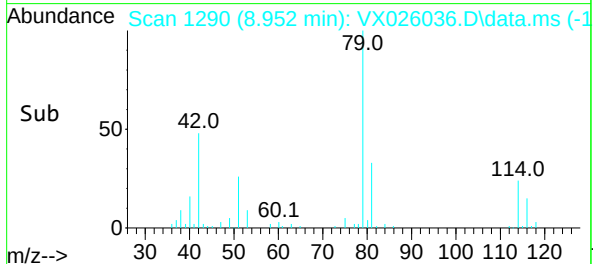
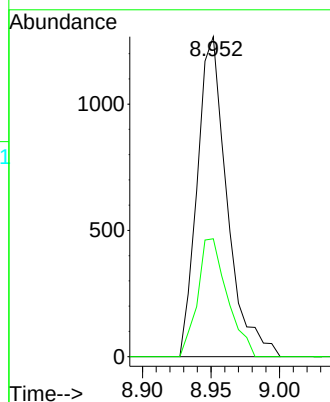
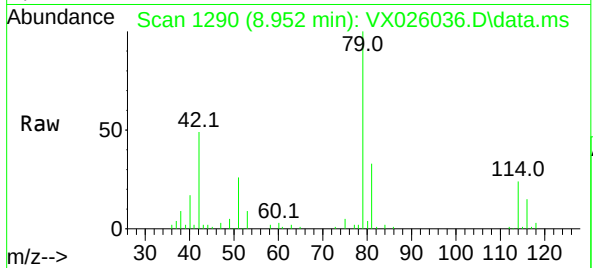




#44  
 trans-1,3-Dichloropropene  
 Concen: 0.732 ug/L  
 RT: 8.952 min Scan# 11  
 Delta R.T. -0.030 min  
 Lab File: VX026036.D  
 Acq: 25 Dec 2021 16:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 75 Resp: 1920  
 Ion Ratio Lower Upper  
 75 100  
 77 36.9 23.0 42.8



#61  
 1,2,3-Trichloropropane  
 Concen: 6.578 ug/L  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.786 min  
 Lab File: VX026036.D  
 Acq: 25 Dec 2021 16:07

Tgt Ion: 75 Resp: 15203  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 25.8 38.8  
 110 3.0 34.7 52.1#

