

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060623\Not Reviewed Data\  
 Data File : VX036039.D  
 Acq On : 06 Jun 2023 17:45  
 Operator : JC/MD  
 Sample : 02992-09 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F6C11

Quant Time: Jun 08 15:28:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML060623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:37:48 2023  
 Response via : Initial Calibration

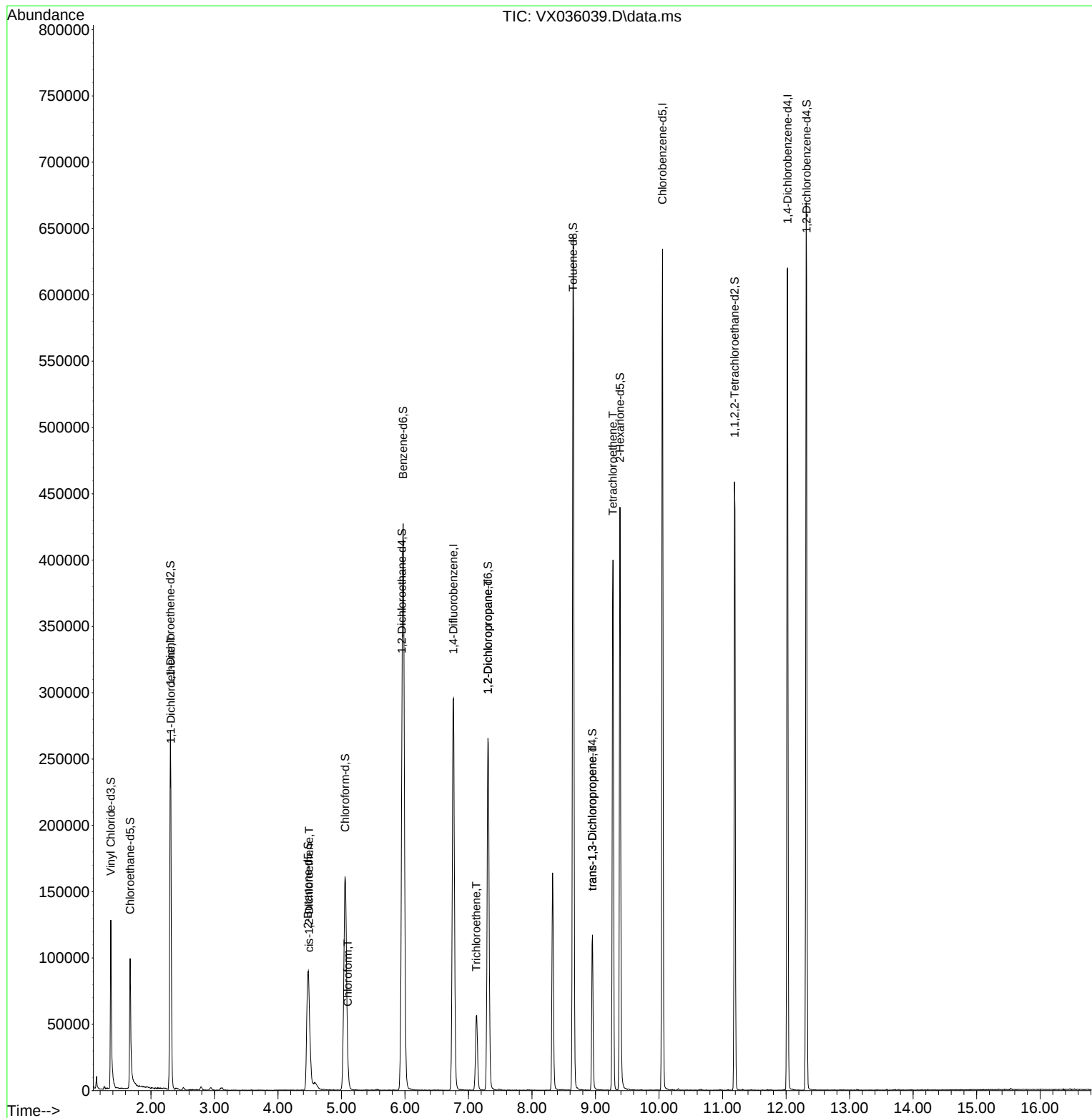
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 283879   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 261527   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 120739   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 96761    | 50.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 100.340% |
| 7) Chloroethane-d5            | 1.672   | 69    | 76856    | 51.958   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 103.920% |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 65    | 50052    | 51.183   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.360% |
| 21) 2-Butanone-d5             | 4.470   | 46    | 171706   | 108.613  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 108.610% |
| 24) Chloroform-d              | 5.056   | 84    | 199805   | 49.680   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.360%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 154772   | 52.738   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.480% |
| 32) Benzene-d6                | 5.970   | 84    | 399398   | 50.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.540% |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 126401   | 51.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.380% |
| 41) Toluene-d8                | 8.646   | 98    | 358578   | 49.520   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.040%  |
| 43) trans-1,3-Dichloroprop... | 8.951   | 79    | 53391    | 45.485   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.960%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 118591   | 108.911  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.910% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 169951   | 50.882   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.760% |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 123907   | 52.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.720% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.312   | 96    | 1228     | 0.651    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 5932     | 2.558    | ug/L   | 96       |
| 25) Chloroform                | 5.098   | 83    | 8809     | 2.010    | ug/L   | 91       |
| 34) Trichloroethene           | 7.122   | 95    | 22030    | 9.388    | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 7.305   | 63    | 16129    | 7.053    | ug/L # | 87       |
| 44) trans-1,3-Dichloropropene | 8.951   | 75    | 2592     | 0.775    | ug/L   | 88       |
| 46) Tetrachloroethene         | 9.274   | 164   | 67481    | 41.121   | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

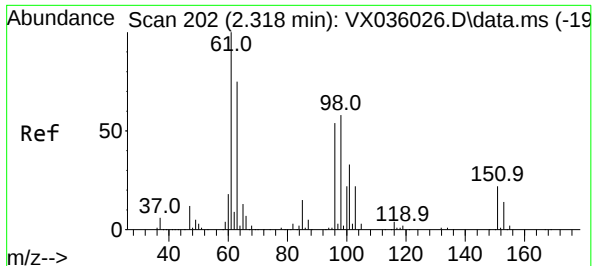
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
F6C11

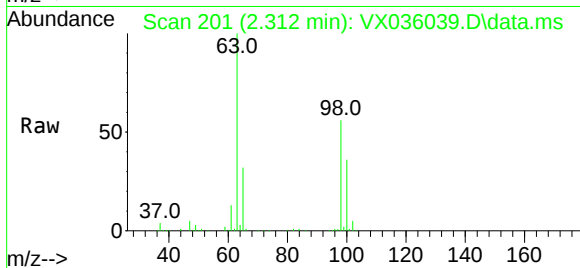
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM060623WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 07 05:37:48 2023  
Response via : Initial Calibration



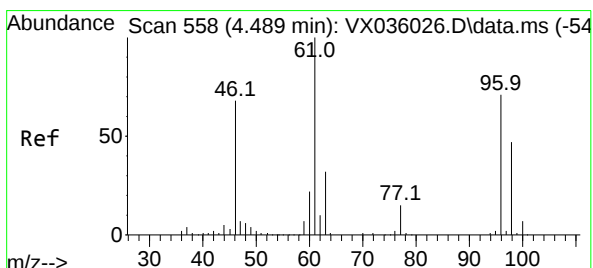
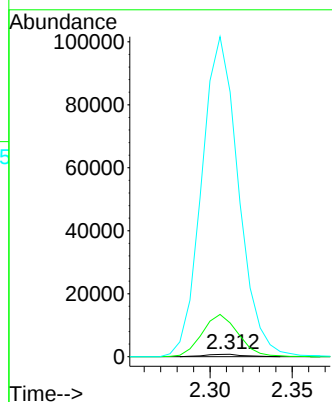
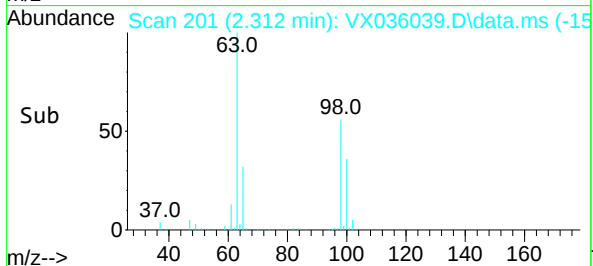


#12  
1,1-Dichloroethene  
Concen: 0.651 ug/L  
RT: 2.312 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VX036039.D  
Acq: 06 Jun 2023 17:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
F6C11

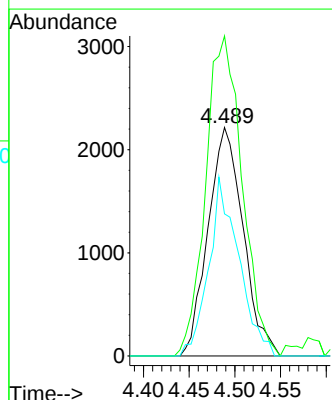
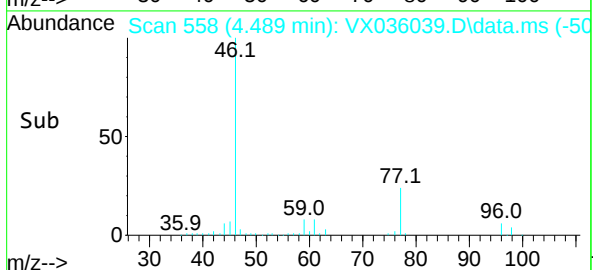
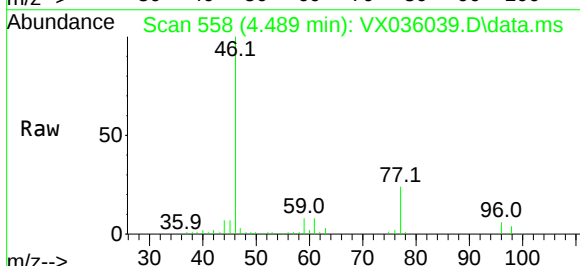


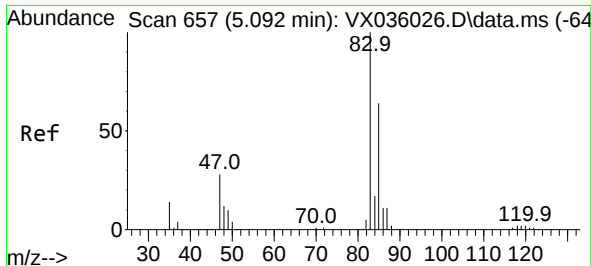
Tgt Ion: 96 Resp: 1228  
Ion Ratio Lower Upper  
96 100  
61 1367.4 132.5 246.1#  
63 10709.8 95.1 176.7#



#20  
cis-1,2-Dichloroethene  
Concen: 2.558 ug/L  
RT: 4.489 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: VX036039.D  
Acq: 06 Jun 2023 17:45

Tgt Ion: 96 Resp: 5932  
Ion Ratio Lower Upper  
96 100  
61 140.1 94.7 175.9  
98 62.2 45.4 84.4

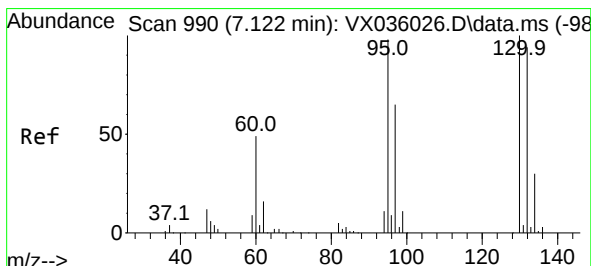
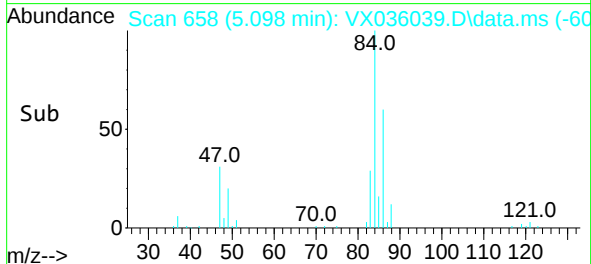
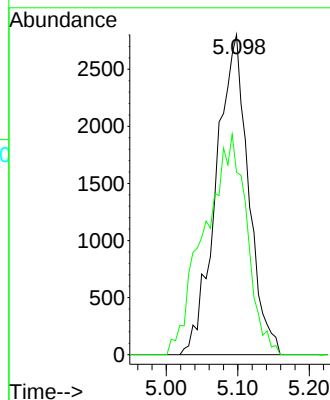
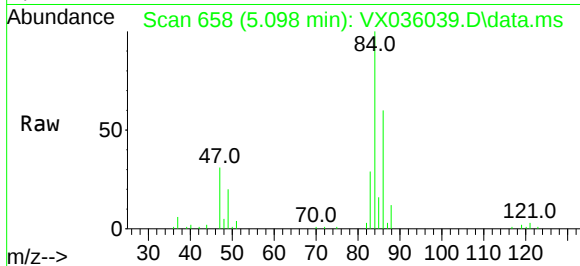




#25  
Chloroform  
Concen: 2.010 ug/L  
RT: 5.098 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX036039.D  
Acq: 06 Jun 2023 17:45

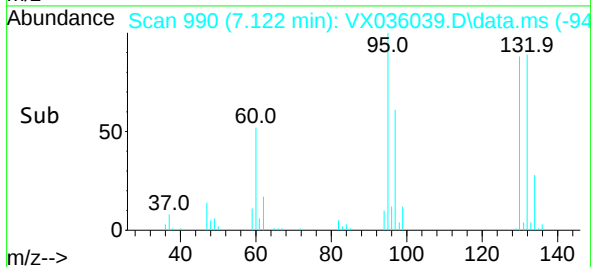
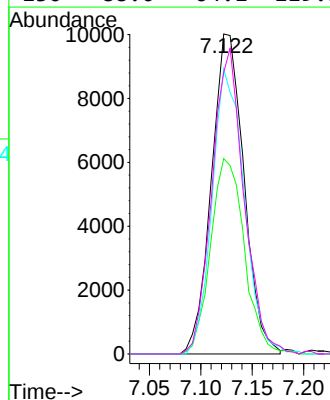
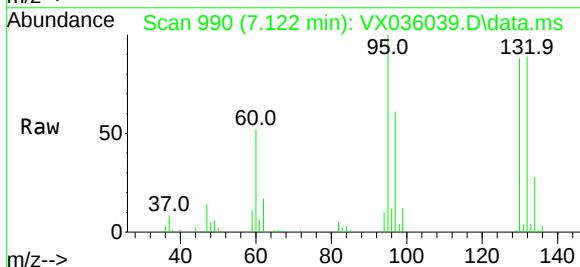
Instrument :  
MSVOA\_X  
ClientSampleId :  
F6C11

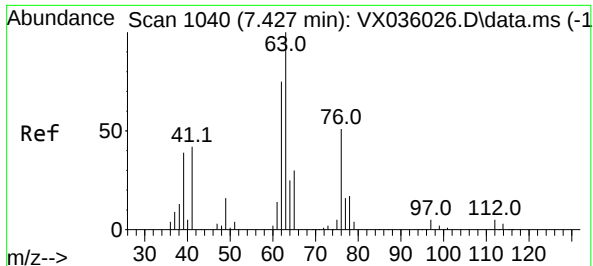
Tgt Ion: 83 Resp: 8809  
Ion Ratio Lower Upper  
83 100  
85 56.9 45.0 83.6



#34  
Trichloroethene  
Concen: 9.388 ug/L  
RT: 7.122 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX036039.D  
Acq: 06 Jun 2023 17:45

Tgt Ion: 95 Resp: 22030  
Ion Ratio Lower Upper  
95 100  
97 61.1 43.6 81.0  
132 89.1 59.9 111.3  
130 88.0 64.1 119.1





#37

1,2-Dichloropropane

Concen: 7.053 ug/L

RT: 7.305 min Scan# 1

Delta R.T. -0.122 min

Lab File: VX036039.D

Acq: 06 Jun 2023 17:45

Instrument :

MSVOA\_X

ClientSampleId :

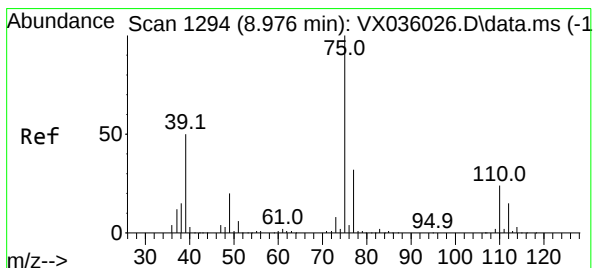
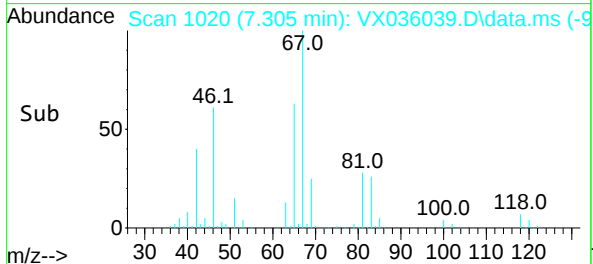
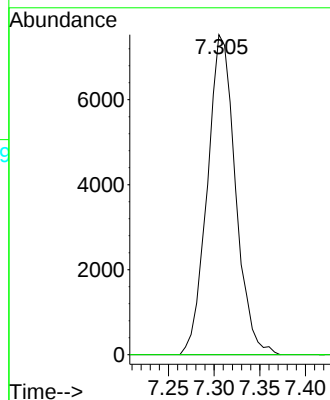
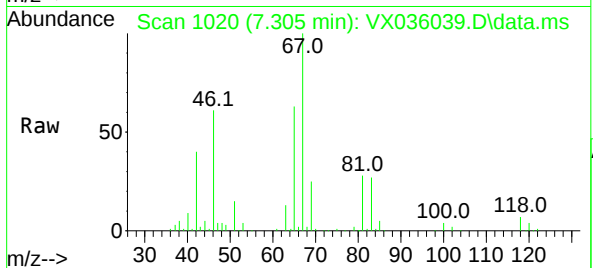
F6C11

Tgt Ion: 63 Resp: 16129

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#44

trans-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX036039.D

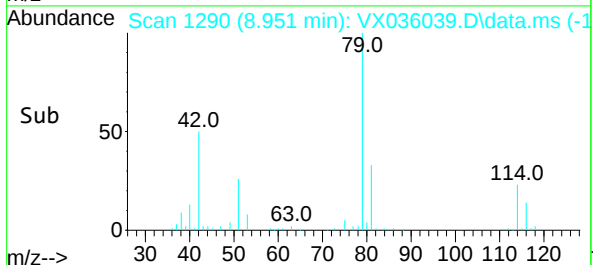
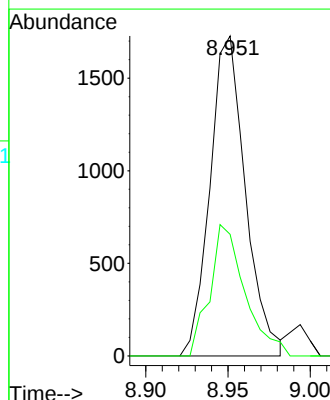
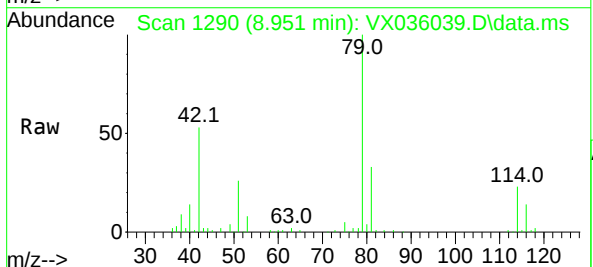
Acq: 06 Jun 2023 17:45

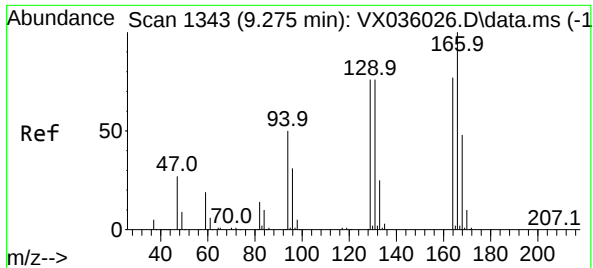
Tgt Ion: 75 Resp: 2592

Ion Ratio Lower Upper

75 100

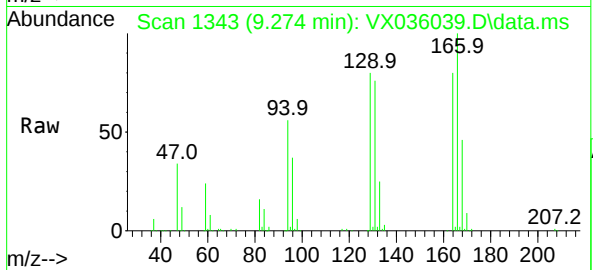
77 38.0 22.0 41.0





#46  
 Tetrachloroethene  
 Concen: 41.121 ug/L  
 RT: 9.274 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX036039.D  
 Acq: 06 Jun 2023 17:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F6C11



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 67481 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 100.5 | 74.8  | 139.0 |
| 131      | 95.0  | 68.9  | 127.9 |
| 166      | 125.4 | 86.8  | 161.2 |

