

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080922\  
 Data File : VX030532.D  
 Acq On : 09 Aug 2022 17:10  
 Operator : JC/MD  
 Sample : N4114-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D74

Quant Time: Aug 10 02:37:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 10 01:21:25 2022  
 Response via : Initial Calibration

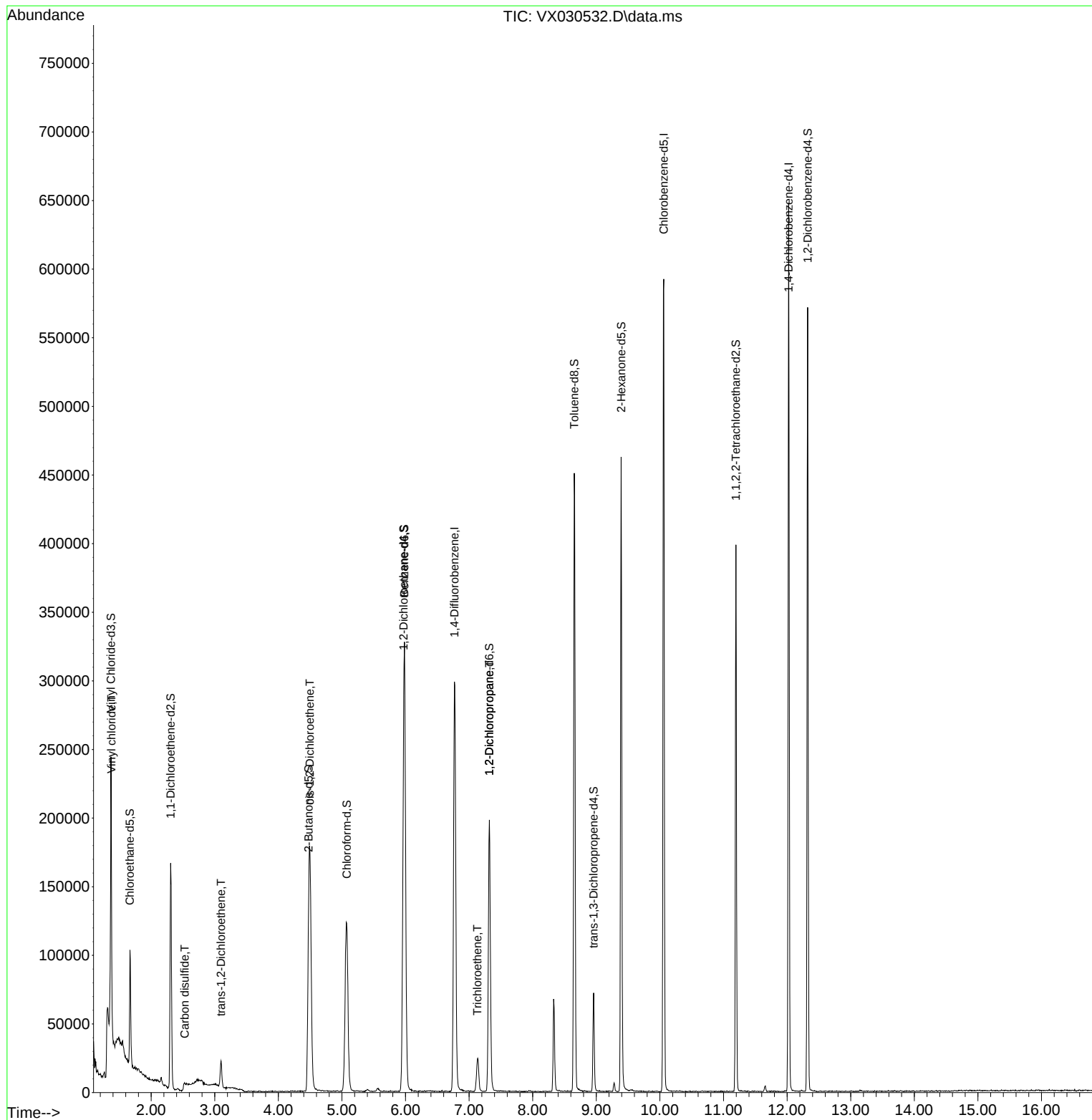
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114   | 293392   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.061  | 117   | 253197   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 118026   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 61517    | 32.650   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 65.300%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 52117    | 39.239   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 78.480%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 63    | 93282    | 26.174   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 52.340%# |
| 21) 2-Butanone-d5             | 4.477   | 46    | 183347   | 105.026  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 105.030% |
| 24) Chloroform-d              | 5.074   | 84    | 156559   | 40.366   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.740%  |
| 26) 1,2-Dichloroethane-d4     | 5.970   | 65    | 113951   | 43.269   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.540%  |
| 32) Benzene-d6                | 5.983   | 84    | 292142   | 40.280   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.560%  |
| 36) 1,2-Dichloropropane-d6    | 7.318   | 67    | 99412    | 42.247   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.500%  |
| 41) Toluene-d8                | 8.653   | 98    | 258012   | 37.740   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 75.480%# |
| 43) trans-1,3-Dichloroprop... | 8.958   | 79    | 31914    | 27.262   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 54.520%# |
| 47) 2-Hexanone-d5             | 9.390   | 63    | 122556   | 102.179  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 102.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 149071   | 48.224   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 102869   | 44.936   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.880%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        |          |
| 5) Vinyl chloride             | 1.374   | 62    | 69187    | 34.121   | ug/L # | 53       |
| 14) Carbon disulfide          | 2.526   | 76    | 10960    | 2.059    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.099   | 96    | 6867     | 3.610    | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.495   | 96    | 63793    | 29.808   | ug/L   | 95       |
| 34) Trichloroethene           | 7.129   | 95    | 9182     | 3.905    | ug/L   | 89       |
| 37) 1,2-Dichloropropane       | 7.318   | 63    | 12034    | 5.575    | ug/L # | 89       |
| -----                         |         |       |          |          |        |          |

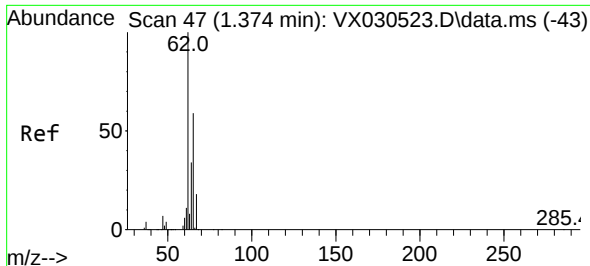
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Aug 10 01:21:25 2022  
Response via : Initial Calibration

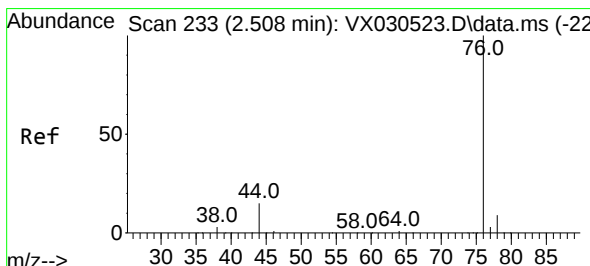
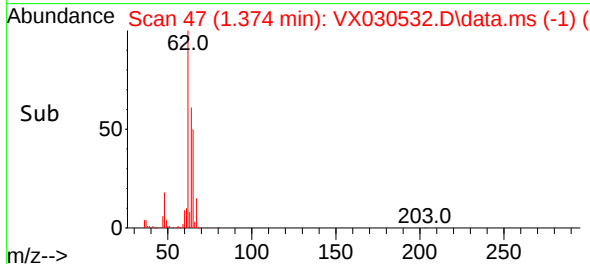
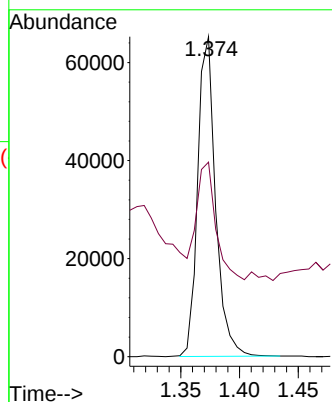
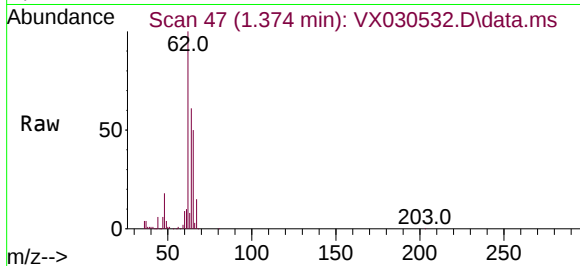




#5  
 Vinyl chloride  
 Concen: 34.121 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX030532.D  
 Acq: 09 Aug 2022 17:10

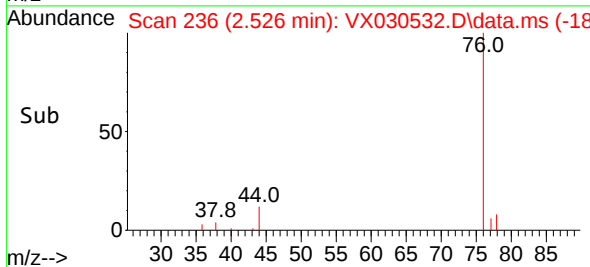
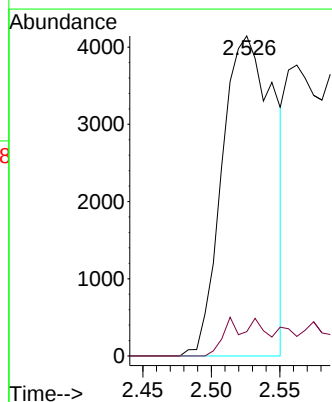
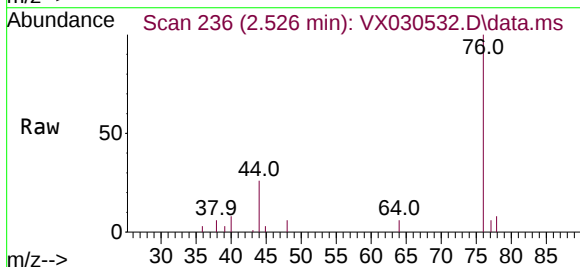
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D74

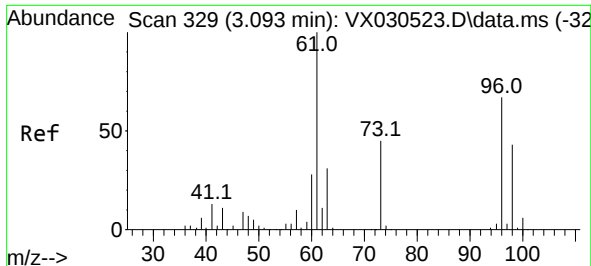
Tgt Ion: 62 Resp: 69187  
 Ion Ratio Lower Upper  
 62 100  
 64 60.8 23.8 44.2#



#14  
 Carbon disulfide  
 Concen: 2.059 ug/L  
 RT: 2.526 min Scan# 236  
 Delta R.T. 0.018 min  
 Lab File: VX030532.D  
 Acq: 09 Aug 2022 17:10

Tgt Ion: 76 Resp: 10960  
 Ion Ratio Lower Upper  
 76 100  
 78 7.6 7.4 11.2





#17

trans-1,2-Dichloroethene

Concen: 3.610 ug/L

RT: 3.099 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX030532.D

Acq: 09 Aug 2022 17:10

Instrument :

MSVOA\_X

ClientSampleId :

F5D74

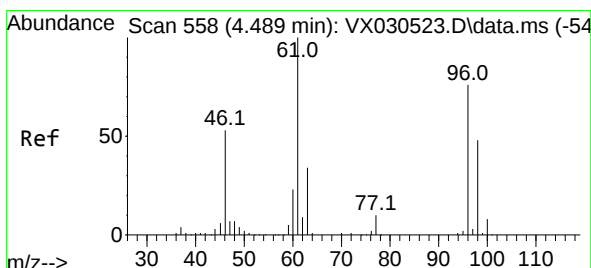
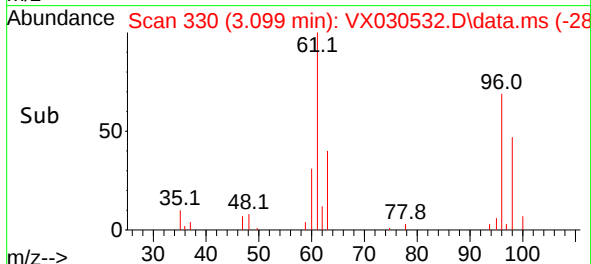
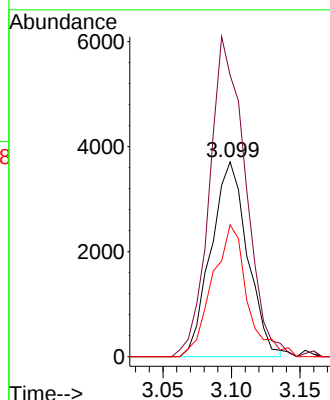
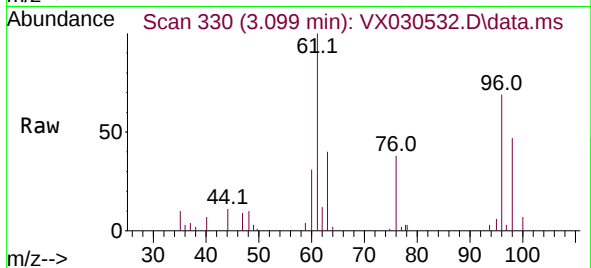
Tgt Ion: 96 Resp: 6867

Ion Ratio Lower Upper

96 100

61 144.5 103.7 192.5

98 67.7 41.5 77.1



#20

cis-1,2-Dichloroethene

Concen: 29.808 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX030532.D

Acq: 09 Aug 2022 17:10

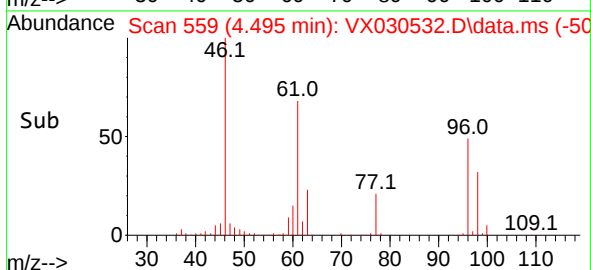
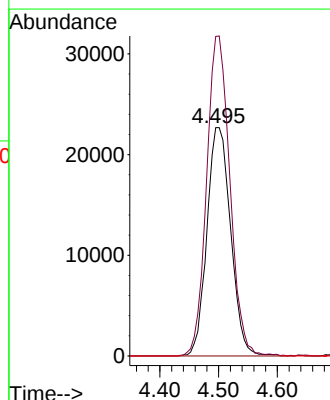
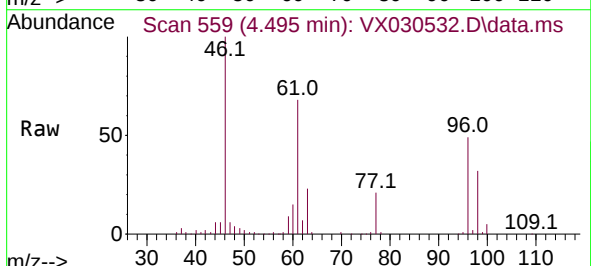
Tgt Ion: 96 Resp: 63793

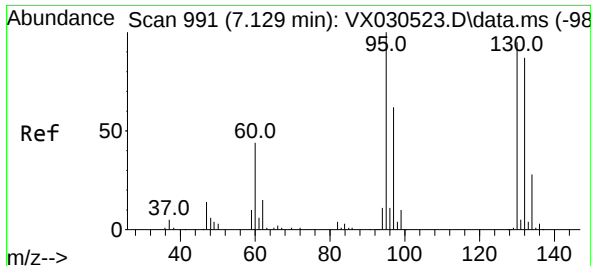
Ion Ratio Lower Upper

96 100

61 140.0 94.0 174.6

68 0.0 0.0 0.0

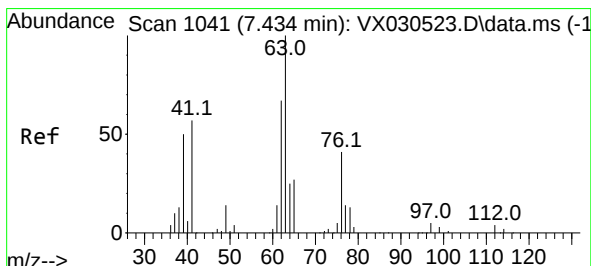
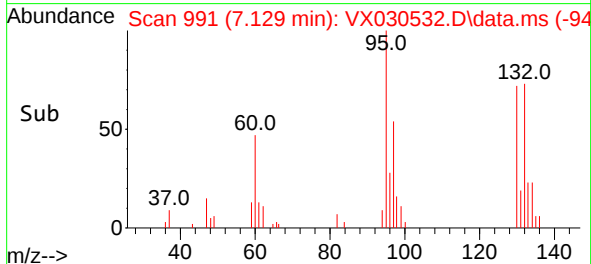
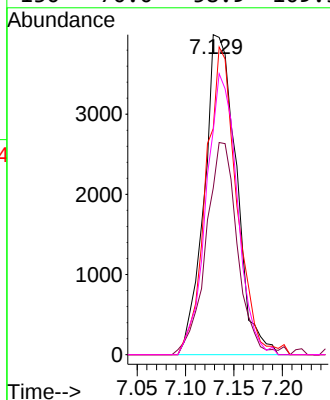
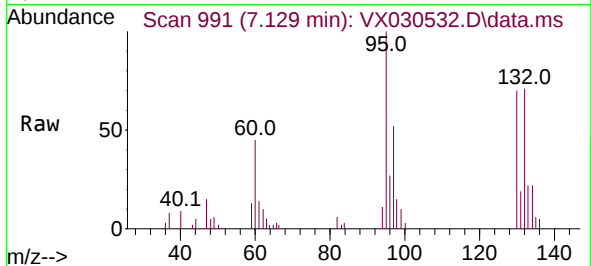




#34  
Trichloroethene  
Concen: 3.905 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX030532.D  
Acq: 09 Aug 2022 17:10

Instrument :  
MSVOA\_X  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 9182  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 52.0  | 40.2  | 74.6  |
| 132      | 70.7  | 55.3  | 102.7 |
| 130      | 70.0  | 58.9  | 109.5 |



#37  
1,2-Dichloropropane  
Concen: 5.575 ug/L  
RT: 7.318 min Scan# 1022  
Delta R.T. -0.116 min  
Lab File: VX030532.D  
Acq: 09 Aug 2022 17:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 12034 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.0   | 4.4#  |

