

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039289.D  
 Acq On : 16 Dec 2023 14:44  
 Operator : JC/MD  
 Sample : 05845-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE2

Quant Time: Dec 16 21:12:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

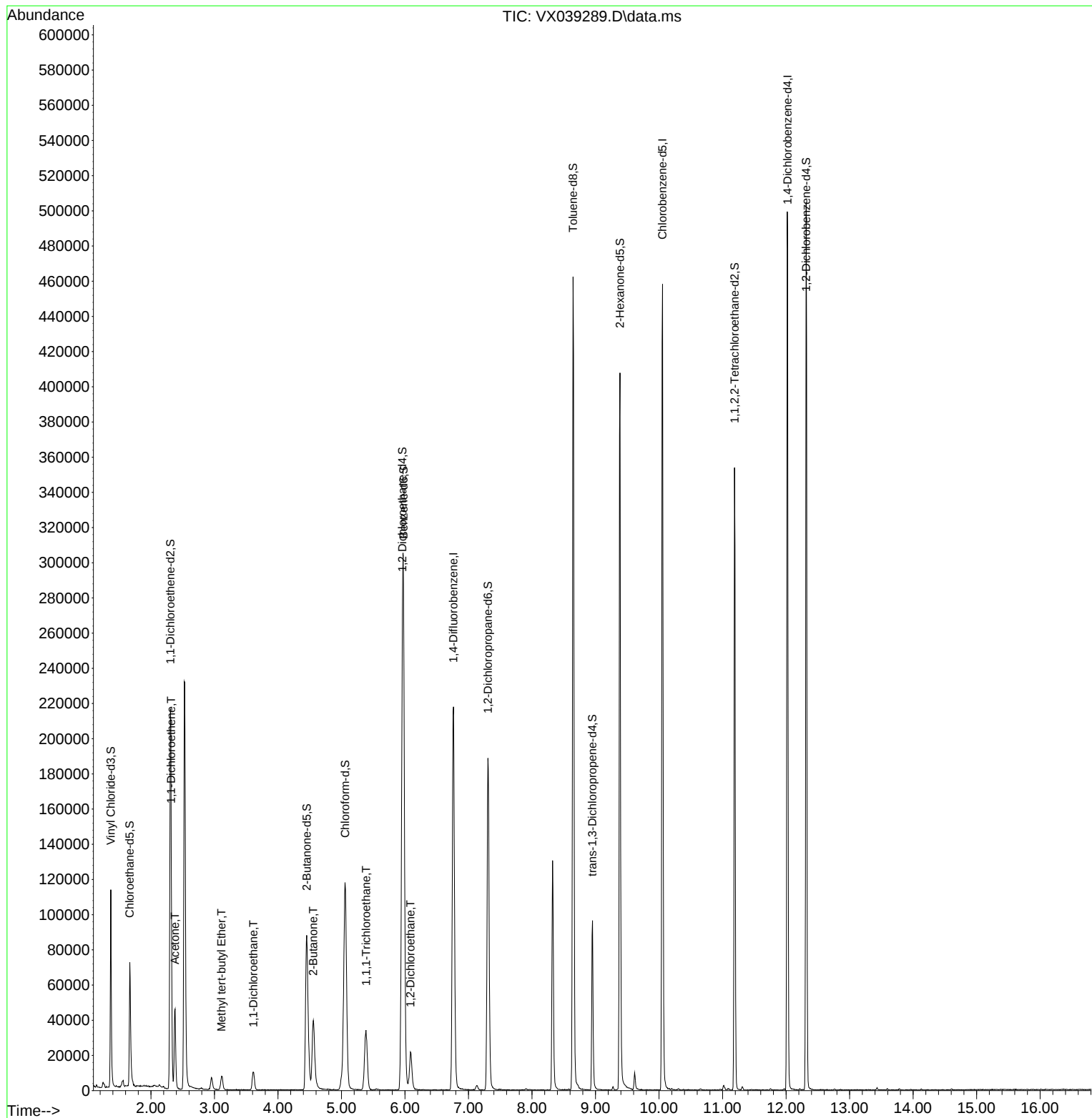
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 213130   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 197839   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 94692    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 70015    | 41.883   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.760%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 53886    | 43.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.220%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 65    | 36536    | 49.790   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.580%  |
| 21) 2-Butanone-d5             | 4.452   | 46    | 156718   | 103.567  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 103.570% |
| 24) Chloroform-d              | 5.056   | 84    | 145656   | 49.220   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.440%  |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 101266   | 52.839   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.680% |
| 32) Benzene-d6                | 5.976   | 84    | 298765   | 48.932   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.860%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 95873    | 48.792   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.580%  |
| 41) Toluene-d8                | 8.647   | 98    | 266347   | 48.136   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.280%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 42900    | 42.903   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.800%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 109962   | 93.697   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 93.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 134906   | 48.398   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 89124    | 49.794   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.580%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 12831    | 9.345    | ug/L # | 1        |
| 13) Acetone                   | 2.380   | 43    | 47796    | 32.879   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 8396     | 1.667    | ug/L # | 93       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 12184    | 4.259    | ug/L   | 99       |
| 22) 2-Butanone                | 4.556   | 43    | 72328    | 40.542   | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 6.086   | 62    | 23164    | 10.287   | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 5.385   | 97    | 31667    | 13.192   | ug/L   | 96       |
| -----                         |         |       |          |          |        |          |

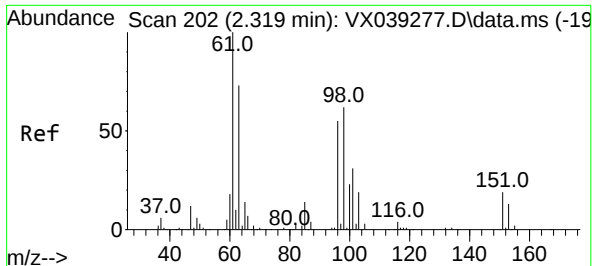
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 12 03:50:51 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.345 ug/L

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX039289.D

Acq: 16 Dec 2023 14:44

Instrument :

MSVOA\_X

ClientSampleId :

YCHE2

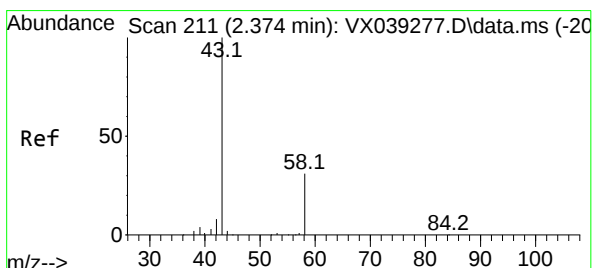
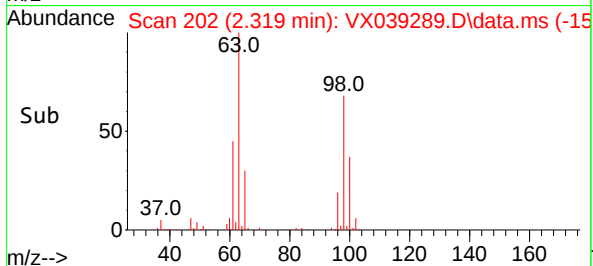
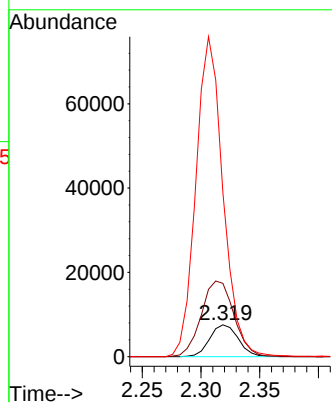
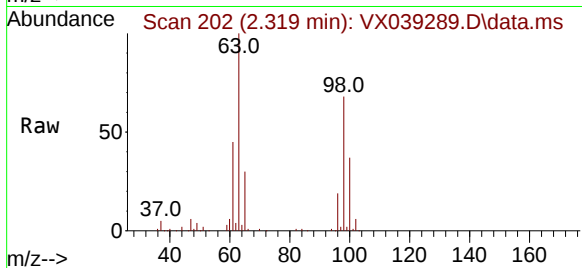
Tgt Ion: 96 Resp: 12831

Ion Ratio Lower Upper

96 100

61 230.2 128.0 237.6

63 514.5 101.5 188.5#



#13

Acetone

Concen: 32.879 ug/L

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX039289.D

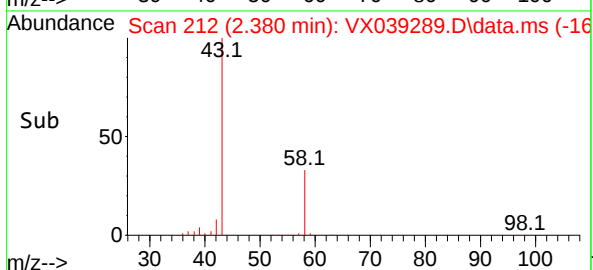
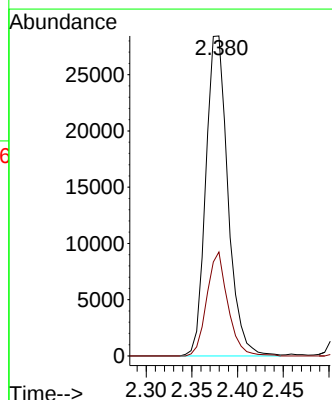
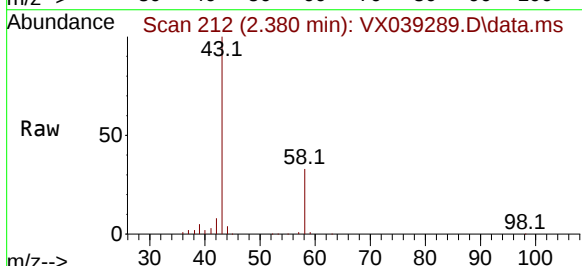
Acq: 16 Dec 2023 14:44

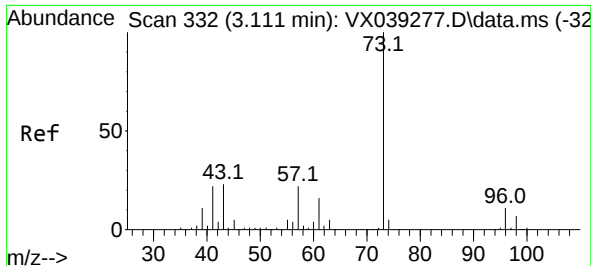
Tgt Ion: 43 Resp: 47796

Ion Ratio Lower Upper

43 100

58 30.9 0.0 65.8

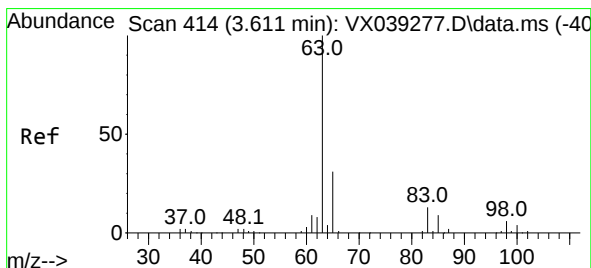
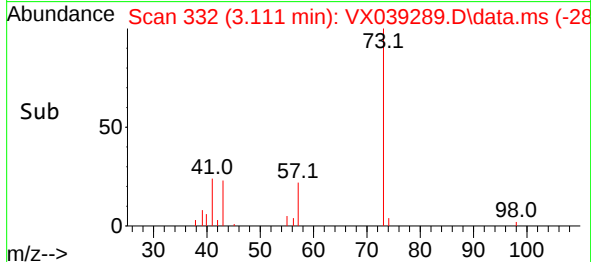
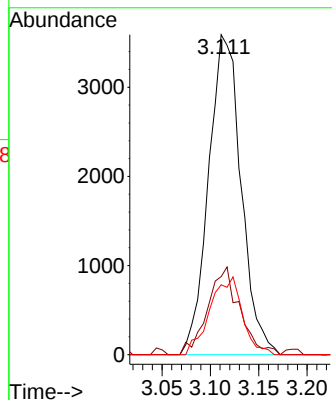
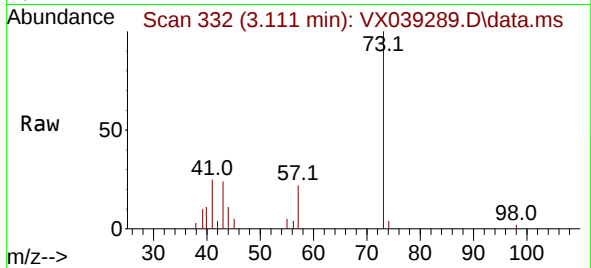




#18  
Methyl tert-butyl Ether  
Concen: 1.667 ug/L  
RT: 3.111 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX039289.D  
Acq: 16 Dec 2023 14:44

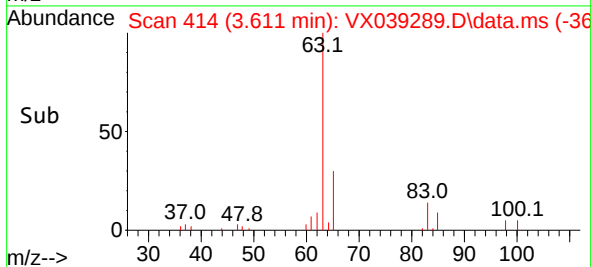
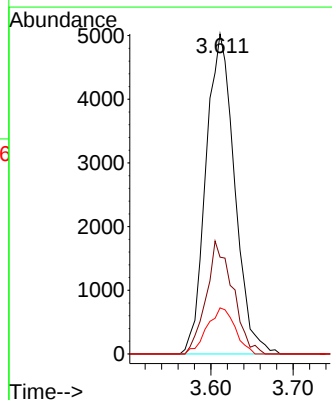
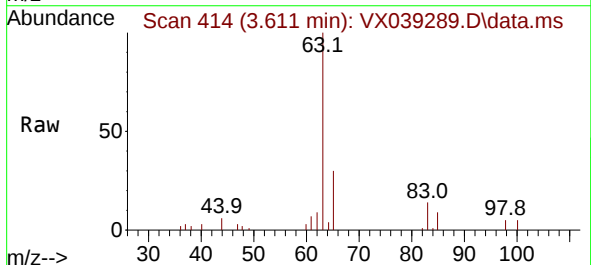
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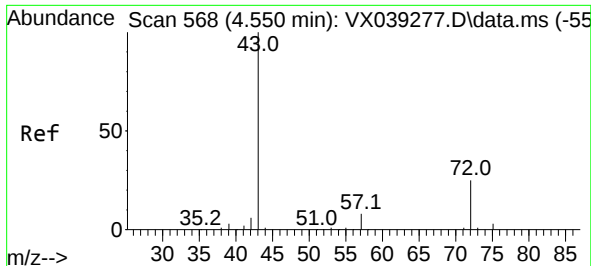
Tgt Ion: 73 Resp: 8396  
Ion Ratio Lower Upper  
73 100  
43 26.3 16.9 25.3#  
57 24.3 18.5 27.7



#19  
1,1-Dichloroethane  
Concen: 4.259 ug/L  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX039289.D  
Acq: 16 Dec 2023 14:44

Tgt Ion: 63 Resp: 12184  
Ion Ratio Lower Upper  
63 100  
65 30.3 21.1 39.3  
83 14.4 9.7 17.9

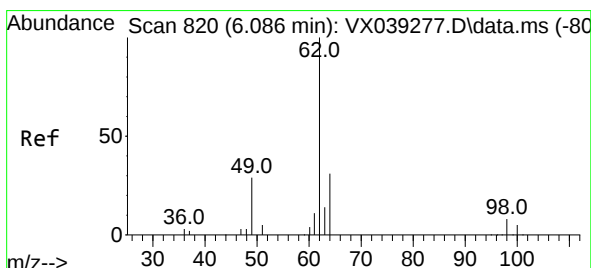
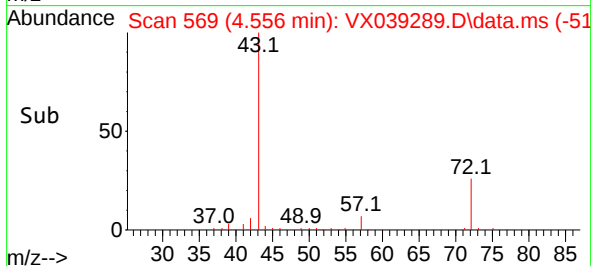
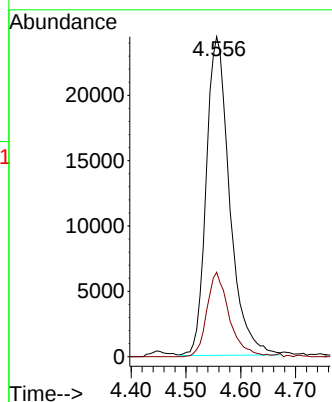
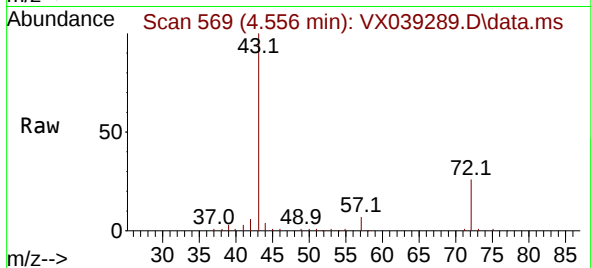




#22  
2-Butanone  
Concen: 40.542 ug/L  
RT: 4.556 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX039289.D  
Acq: 16 Dec 2023 14:44

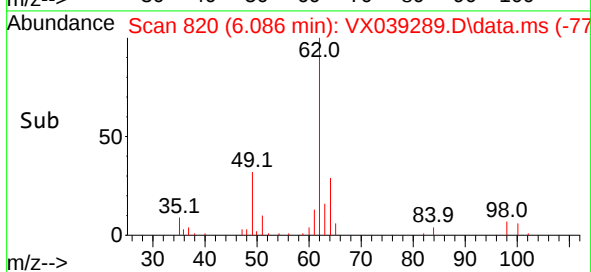
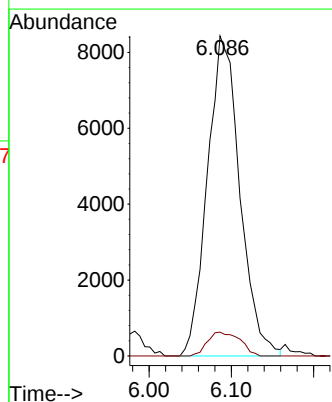
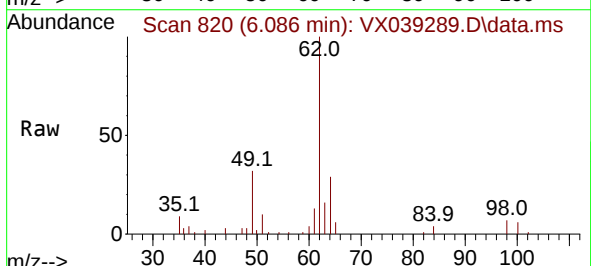
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MSVOA\_X  
ClientSampleId :  
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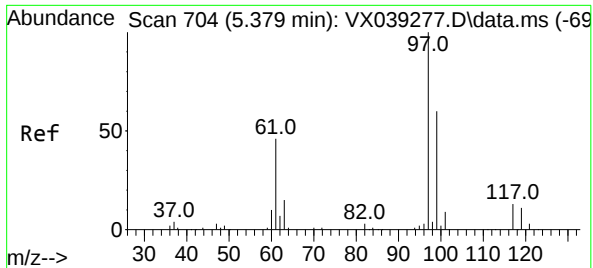
Tgt Ion: 43 Resp: 72328  
Ion Ratio Lower Upper  
43 100  
72 25.1 12.6 37.6



#27  
1,2-Dichloroethane  
Concen: 10.287 ug/L  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX039289.D  
Acq: 16 Dec 2023 14:44

Tgt Ion: 62 Resp: 23164  
Ion Ratio Lower Upper  
62 100  
98 7.4 8.0 12.0#





#30  
 1,1,1-Trichloroethane  
 Concen: 13.192 ug/L  
 RT: 5.385 min Scan# 70  
 Delta R.T. 0.012 min  
 Lab File: VX039289.D  
 Acq: 16 Dec 2023 14:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE2

Tgt Ion: 97 Resp: 31667  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.7  | 51.0  | 76.4  |
| 61  | 49.2  | 36.7  | 55.1  |

