

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080522\  
 Data File : VX030444.D  
 Acq On : 05 Aug 2022 21:38  
 Operator : JC/MD  
 Sample : N4066-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D93

Quant Time: Aug 06 02:22:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 06 02:08:42 2022  
 Response via : Initial Calibration

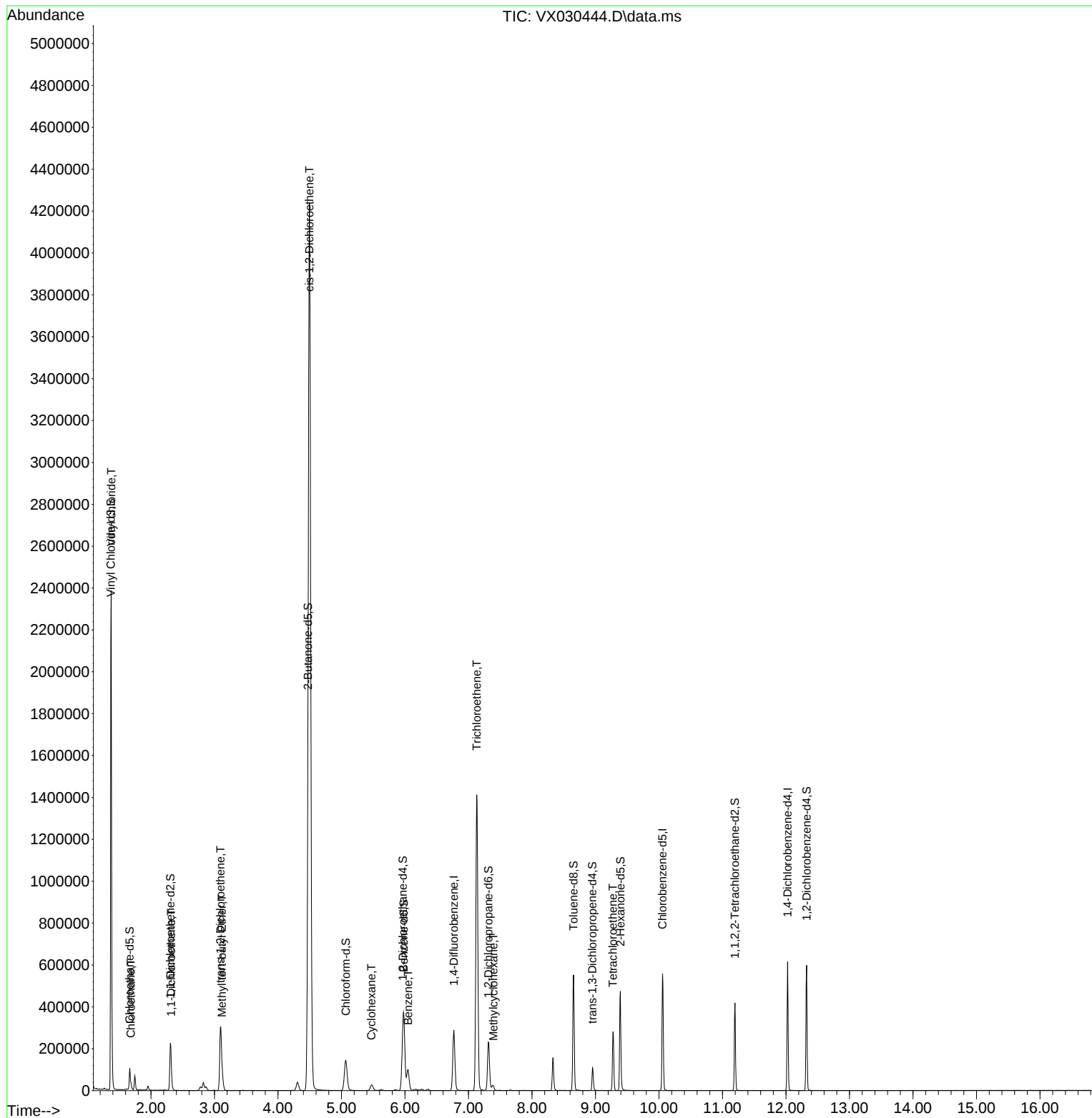
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114   | 276472   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 242141   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 110122   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 88166    | 49.658   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 99.320%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 62420    | 49.872   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 99.740%  |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 63    | 126408   | 37.639   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.280%  |
| 21) 2-Butanone-d5             | 4.471   | 46    | 197880   | 120.288  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 120.290% |
| 24) Chloroform-d              | 5.068   | 84    | 181557   | 49.676   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.360%  |
| 26) 1,2-Dichloroethane-d4     | 5.964   | 65    | 127645   | 51.436   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.880% |
| 32) Benzene-d6                | 5.983   | 84    | 346829   | 50.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 118242   | 52.544   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.080% |
| 41) Toluene-d8                | 8.653   | 98    | 312929   | 47.863   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.720%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 50269    | 44.903   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.800%  |
| 47) 2-Hexanone-d5             | 9.391   | 63    | 131161   | 114.346  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 114.350% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 159336   | 53.898   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 107.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 109059   | 51.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.120% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.374   | 62    | 1417070  | 741.629  | ug/L   | 98       |
| 8) Chloroethane               | 1.685   | 64    | 12245    | 11.251   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 10026    | 6.479    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 103896   | 57.954   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 68016    | 11.156   | ug/L # | 65       |
| 20) cis-1,2-Dichloroethene    | 4.495   | 96    | 2447402  | 1213.582 | ug/L   | 98       |
| 29) Cyclohexane               | 5.471   | 56    | 17306    | 5.376    | ug/L # | 93       |
| 33) Benzene                   | 6.050   | 78    | 118433   | 15.255   | ug/L   | 100      |
| 34) Trichloroethene           | 7.129   | 95    | 542377   | 241.214  | ug/L   | 86       |
| 35) Methylcyclohexane         | 7.391   | 83    | 9929     | 3.033    | ug/L   | 97       |
| 46) Tetrachloroethene         | 9.275   | 164   | 48263    | 33.963   | ug/L   | 92       |
| -----                         |         |       |          |          |        |          |

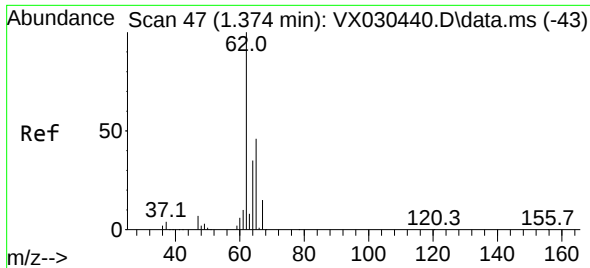
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N4066-02  
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Quant Title : VOC Analysis  
QLast Update : Sat Aug 06 02:08:42 2022  
Response via : Initial Calibration

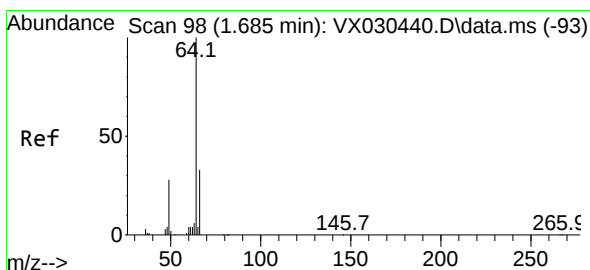
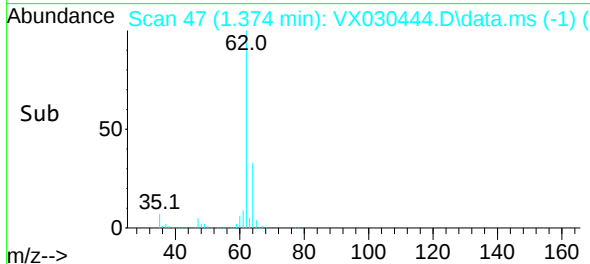
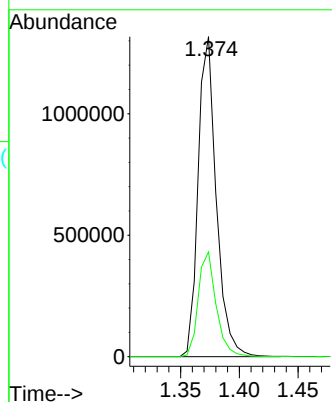
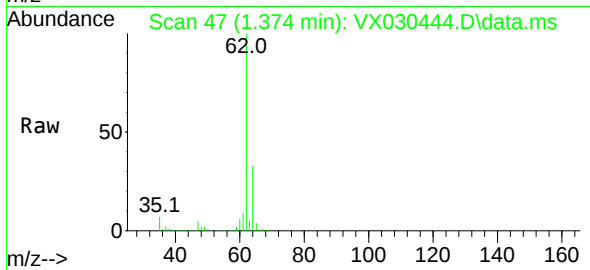




#5  
 Vinyl chloride  
 Concen: 741.629 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX030444.D  
 Acq: 05 Aug 2022 21:38

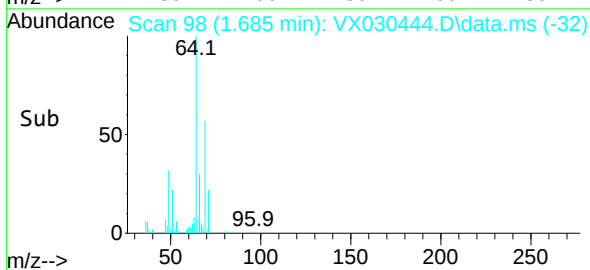
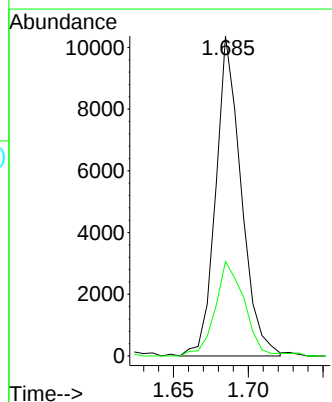
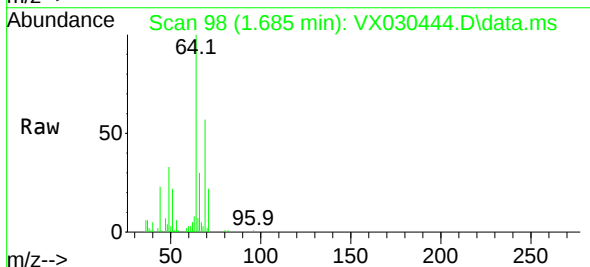
Instrument :  
 MSVOA\_X  
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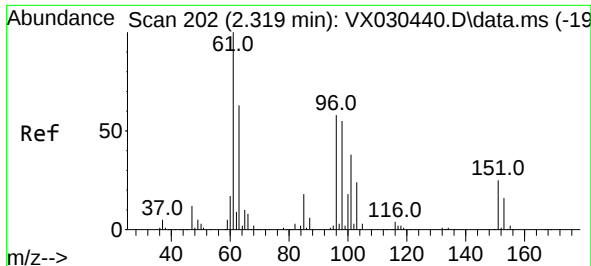
Tgt Ion: 62 Resp: 1417070  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.8 44.2



#8  
 Chloroethane  
 Concen: 11.251 ug/L  
 RT: 1.685 min Scan# 98  
 Delta R.T. 0.000 min  
 Lab File: VX030444.D  
 Acq: 05 Aug 2022 21:38

Tgt Ion: 64 Resp: 12245  
 Ion Ratio Lower Upper  
 64 100  
 66 29.5 22.1 41.1





#12

1,1-Dichloroethene

Concen: 6.479 ug/L

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030444.D

Acq: 05 Aug 2022 21:38

Instrument :

MSVOA\_X

ClientSampleId :

F5D93

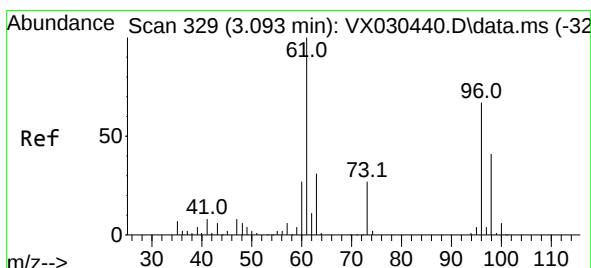
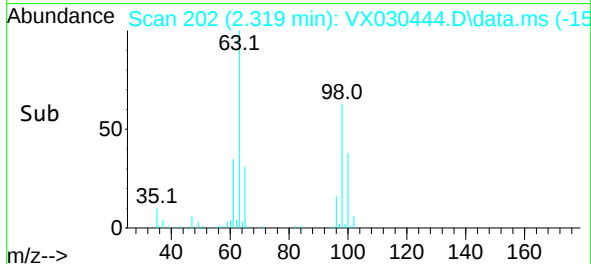
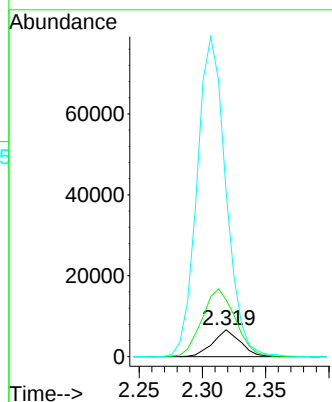
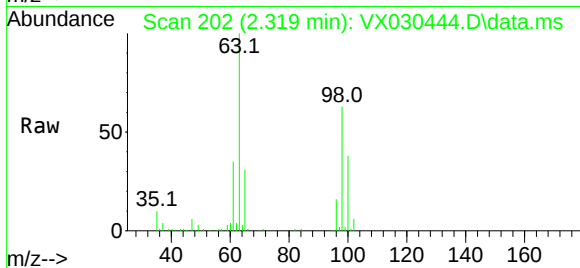
Tgt Ion: 96 Resp: 10026

Ion Ratio Lower Upper

96 100

61 211.8 130.2 241.8

63 612.1 113.5 210.9#



#17

trans-1,2-Dichloroethene

Concen: 57.954 ug/L

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX030444.D

Acq: 05 Aug 2022 21:38

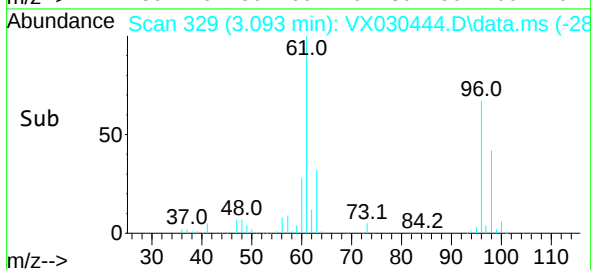
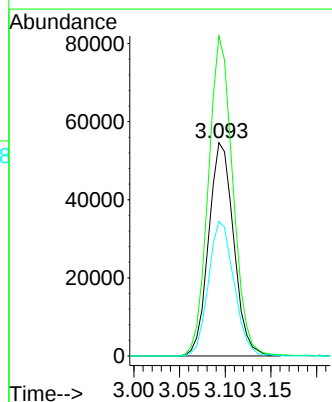
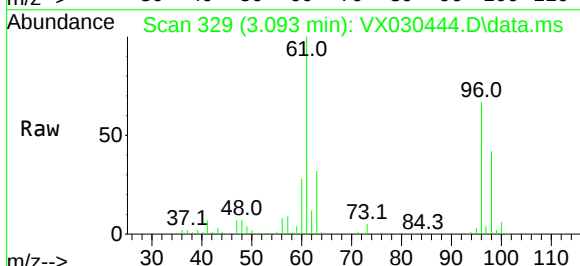
Tgt Ion: 96 Resp: 103896

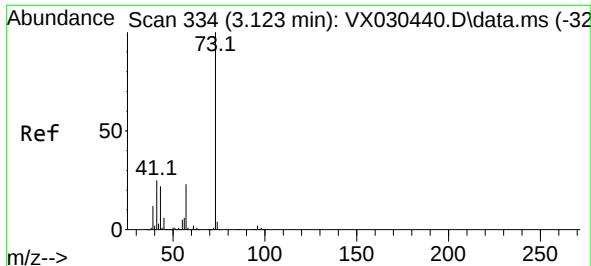
Ion Ratio Lower Upper

96 100

61 150.0 103.7 192.5

98 63.1 41.5 77.1

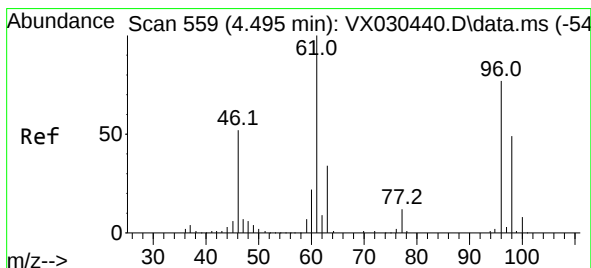
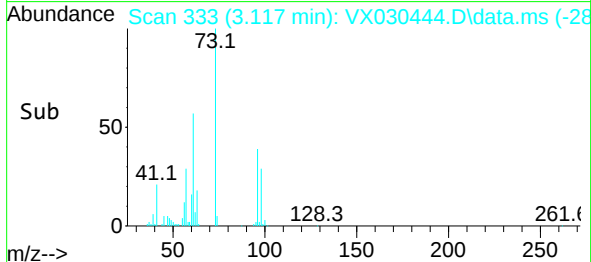
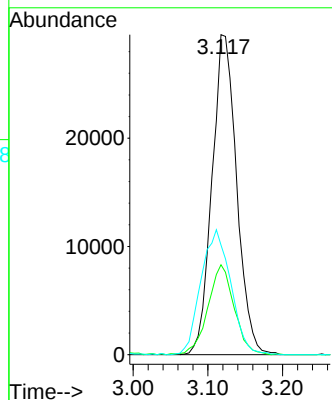
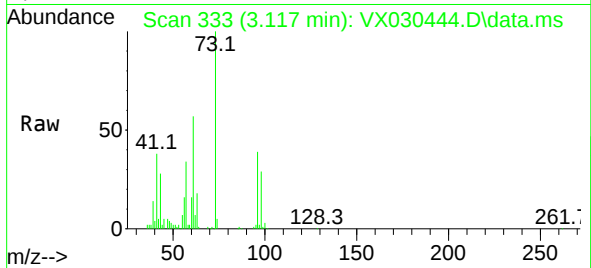




#18  
Methyl tert-butyl Ether  
Concen: 11.156 ug/L  
RT: 3.117 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX030444.D  
Acq: 05 Aug 2022 21:38

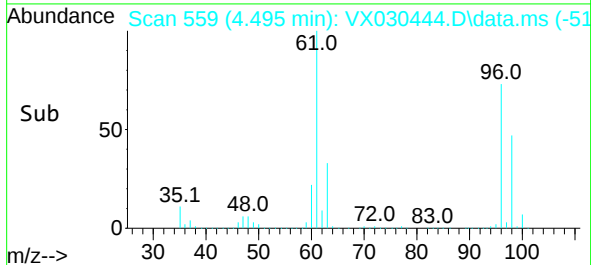
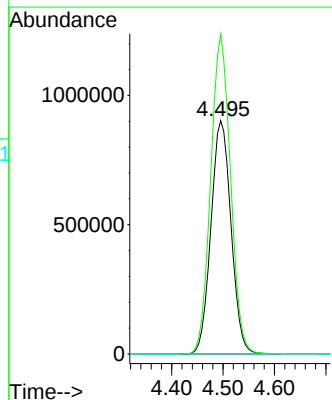
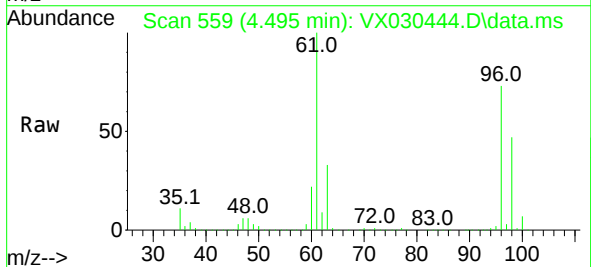
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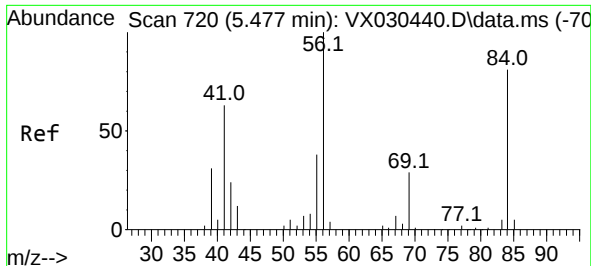
Tgt Ion: 73 Resp: 68016  
Ion Ratio Lower Upper  
73 100  
43 29.8 17.6 26.4#  
57 47.2 17.5 26.3#



#20  
cis-1,2-Dichloroethene  
Concen: 1213.582 ug/L  
RT: 4.495 min Scan# 559  
Delta R.T. 0.000 min  
Lab File: VX030444.D  
Acq: 05 Aug 2022 21:38

Tgt Ion: 96 Resp: 2447402  
Ion Ratio Lower Upper  
96 100  
61 137.0 94.0 174.6  
68 0.0 0.0 0.0

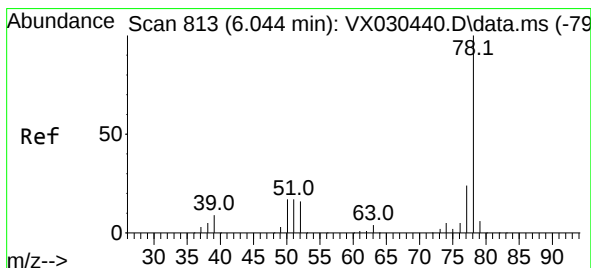
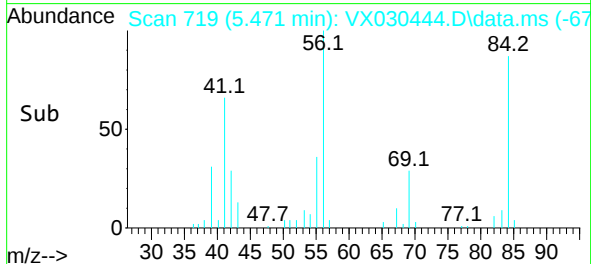
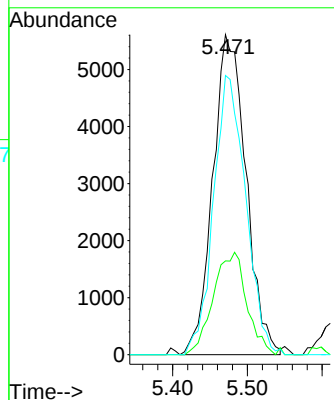
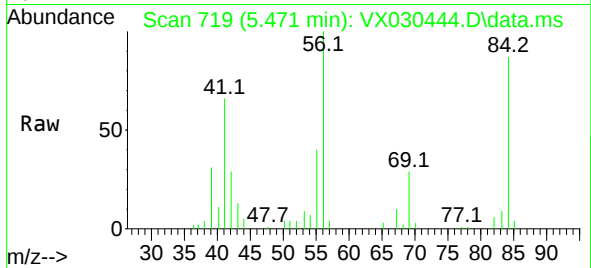




#29  
Cyclohexane  
Concen: 5.376 ug/L  
RT: 5.471 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: VX030444.D  
Acq: 05 Aug 2022 21:38

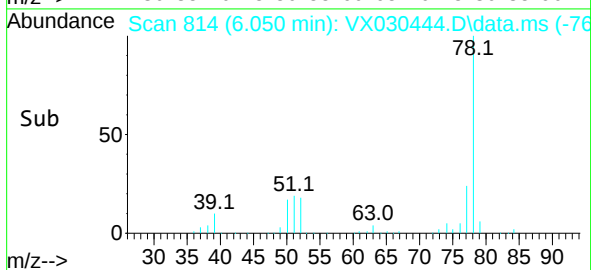
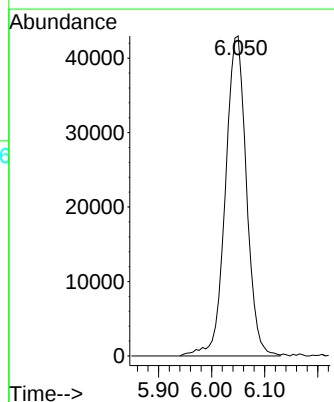
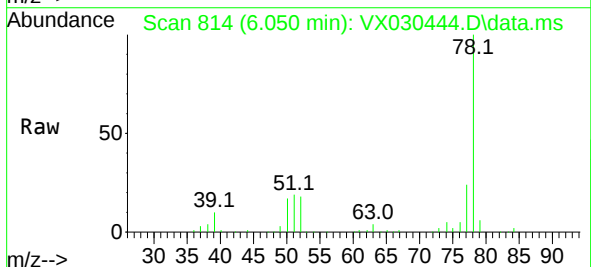
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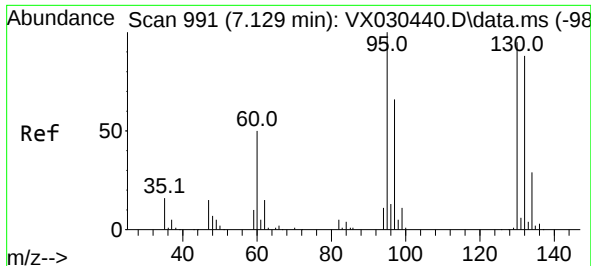
Tgt Ion: 56 Resp: 17306  
Ion Ratio Lower Upper  
56 100  
69 18.0 24.3 36.5#  
84 84.4 66.7 100.1



#33  
Benzene  
Concen: 15.255 ug/L  
RT: 6.050 min Scan# 814  
Delta R.T. 0.006 min  
Lab File: VX030444.D  
Acq: 05 Aug 2022 21:38

Tgt Ion: 78 Resp: 118433

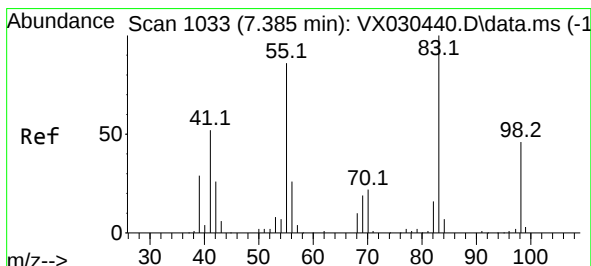
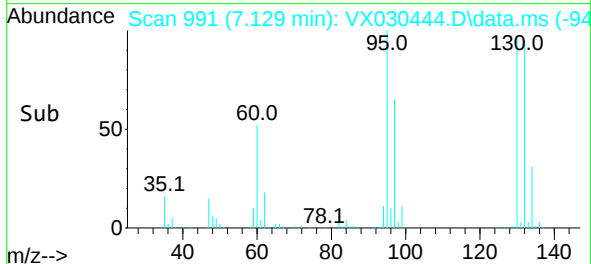
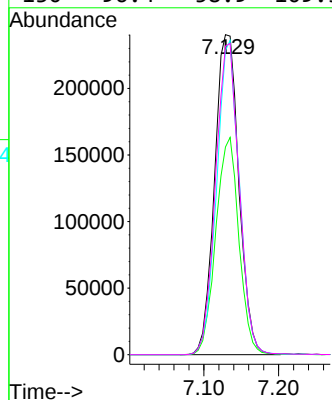
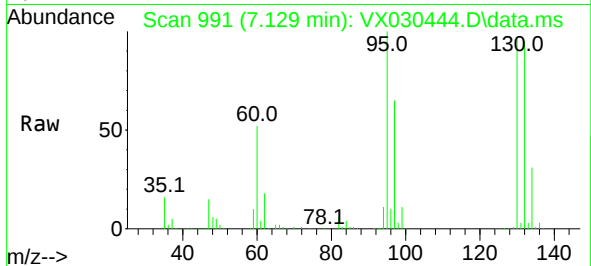




#34  
Trichloroethene  
Concen: 241.214 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX030444.D  
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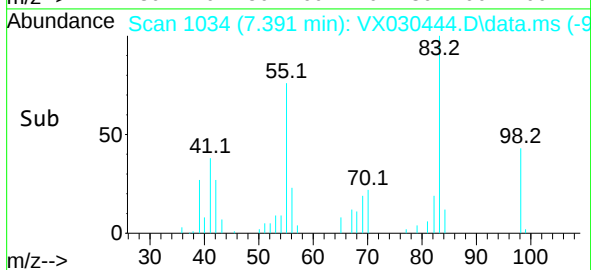
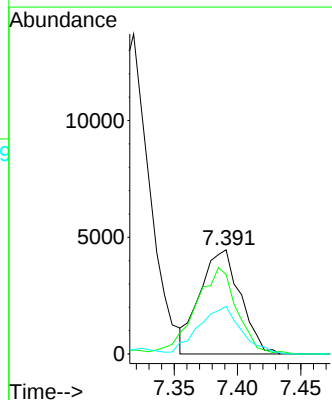
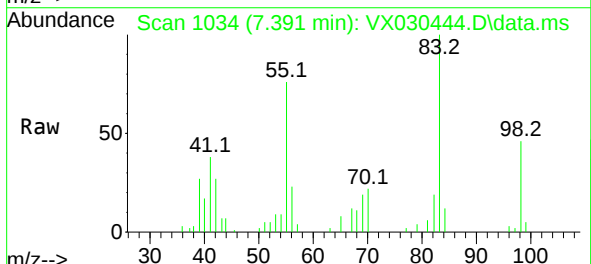
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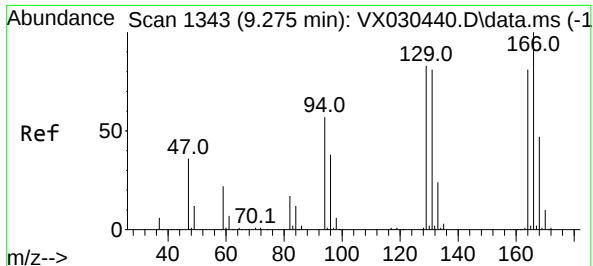
Tgt Ion: 95 Resp: 542377  
Ion Ratio Lower Upper  
95 100  
97 64.9 40.2 74.6  
132 95.1 55.3 102.7  
130 96.4 58.9 109.5



#35  
Methylcyclohexane  
Concen: 3.033 ug/L  
RT: 7.391 min Scan# 1034  
Delta R.T. 0.006 min  
Lab File: VX030444.D  
Acq: 05 Aug 2022 21:38

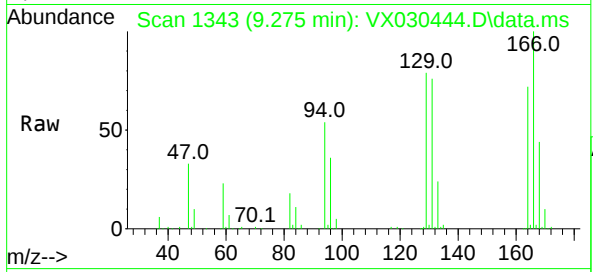
Tgt Ion: 83 Resp: 9929  
Ion Ratio Lower Upper  
83 100  
55 82.4 64.0 96.0  
98 47.9 36.7 55.1





#46  
 Tetrachloroethene  
 Concen: 33.963 ug/L  
 RT: 9.275 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX030444.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 48263 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 109.4 | 72.7  | 135.1 |
| 131      | 105.5 | 69.9  | 129.9 |
| 166      | 139.4 | 88.3  | 164.1 |

