

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080422\  
 Data File : VX030409.D  
 Acq On : 04 Aug 2022 22:07  
 Operator : JC/MD  
 Sample : N4003-21  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D92

Quant Time: Aug 05 05:30:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 05 05:25:14 2022  
 Response via : Initial Calibration

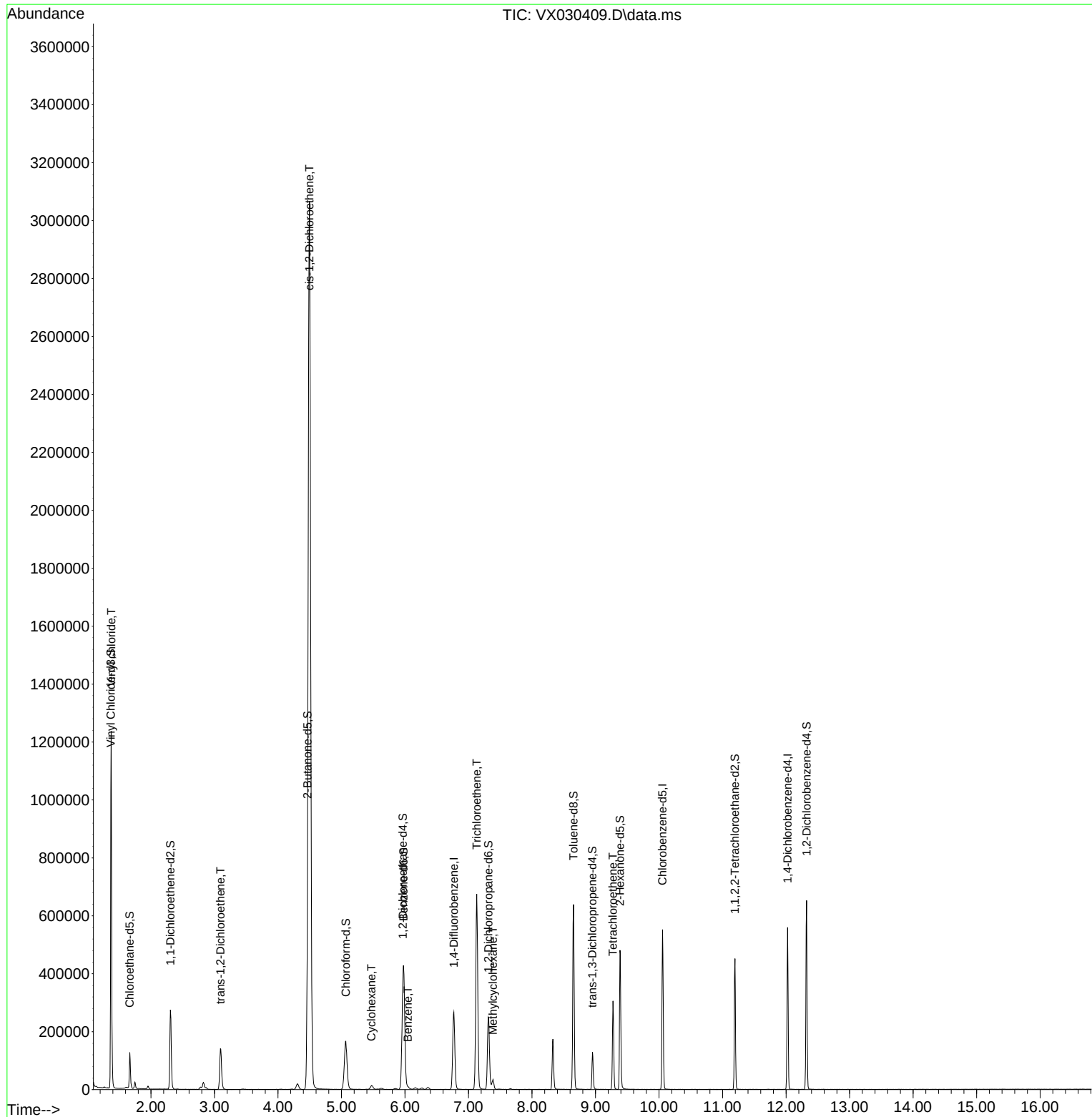
| Compound                      |         | R.T.   | QIon     | Response | Conc        | Units  | Dev(Min)     |
|-------------------------------|---------|--------|----------|----------|-------------|--------|--------------|
| -----                         |         |        |          |          |             |        |              |
| Internal Standards            |         |        |          |          |             |        |              |
| 1) 1,4-Difluorobenzene        |         | 6.769  | 114      | 262326   | 50.000      | ug/L   | 0.00         |
| 28) Chlorobenzene-d5          |         | 10.055 | 117      | 233630   | 50.000      | ug/L   | 0.00         |
| 58) 1,4-Dichlorobenzene-d4    |         | 12.024 | 152      | 104745   | 50.000      | ug/L   | 0.00         |
| System Monitoring Compounds   |         |        |          |          |             |        |              |
| 4) Vinyl Chloride-d3          |         | 1.367  | 65       | 105004   | 62.331      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 60 - 135 | Recovery | = 124.660%  |        |              |
| 7) Chloroethane-d5            |         | 1.666  | 69       | 76992    | 64.832      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 70 - 130 | Recovery | = 129.660%  |        |              |
| 11) 1,1-Dichloroethene-d2     |         | 2.306  | 63       | 157924   | 49.559      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 99.120%   |        |              |
| 21) 2-Butanone-d5             |         | 4.464  | 46       | 200002   | 128.134     | ug/L   | 0.00         |
| Spiked Amount                 | 100.000 | Range  | 40 - 130 | Recovery | = 128.130%  |        |              |
| 24) Chloroform-d              |         | 5.068  | 84       | 200542   | 57.829      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 115.660%  |        |              |
| 26) 1,2-Dichloroethane-d4     |         | 5.964  | 65       | 142007   | 60.309      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 120.620%  |        |              |
| 32) Benzene-d6                |         | 5.976  | 84       | 410011   | 61.267      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 122.540%  |        |              |
| 36) 1,2-Dichloropropane-d6    |         | 7.311  | 67       | 129375   | 59.585      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 70 - 120 | Recovery | = 119.180%  |        |              |
| 41) Toluene-d8                |         | 8.653  | 98       | 367476   | 58.254      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 116.500%  |        |              |
| 43) trans-1,3-Dichloroprop... |         | 8.951  | 79       | 57376    | 53.118      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 106.240%  |        |              |
| 47) 2-Hexanone-d5             |         | 9.384  | 63       | 133995   | 121.073     | ug/L   | 0.00         |
| Spiked Amount                 | 100.000 | Range  | 45 - 130 | Recovery | = 121.070%  |        |              |
| 56) 1,1,2,2-Tetrachloroeth... |         | 11.195 | 84       | 171398   | 60.090      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 65 - 120 | Recovery | = 120.180%# |        |              |
| 66) 1,2-Dichlorobenzene-d4    |         | 12.323 | 152      | 120630   | 59.376      | ug/L   | 0.00         |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 118.760%  |        |              |
| Target Compounds              |         |        |          |          |             |        |              |
| 5) Vinyl chloride             |         | 1.374  | 62       | 691718   | 381.535     | ug/L   | Qvalue<br>98 |
| 17) trans-1,2-Dichloroethene  |         | 3.093  | 96       | 50130    | 29.471      | ug/L   | 97           |
| 20) cis-1,2-Dichloroethene    |         | 4.495  | 96       | 1797461  | 939.362     | ug/L   | 99           |
| 29) Cyclohexane               |         | 5.470  | 56       | 8844     | 2.847       | ug/L # | 65           |
| 33) Benzene                   |         | 6.043  | 78       | 7951     | 1.061       | ug/L   | 100          |
| 34) Trichloroethene           |         | 7.129  | 95       | 255040   | 117.557     | ug/L   | 85           |
| 35) Methylcyclohexane         |         | 7.385  | 83       | 12994    | 4.114       | ug/L   | 93           |
| 46) Tetrachloroethene         |         | 9.275  | 164      | 50650    | 36.941      | ug/L   | 99           |
| -----                         |         |        |          |          |             |        |              |

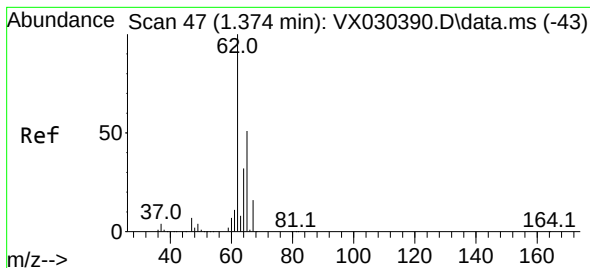
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 05 05:25:14 2022  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 381.535 ug/L

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX030409.D

Acq: 04 Aug 2022 22:07

Instrument :

MSVOA\_X

ClientSampleId :

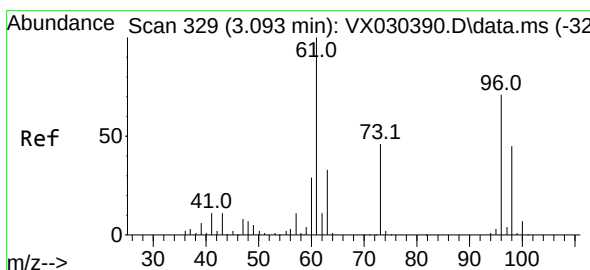
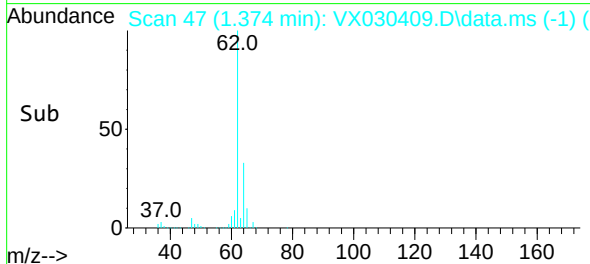
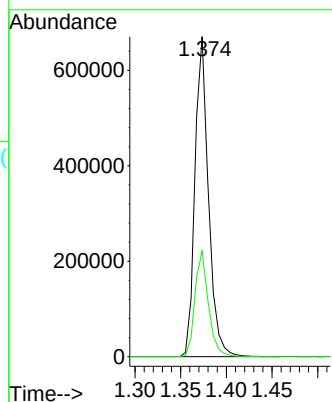
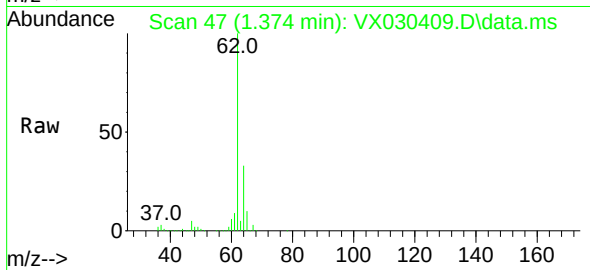
F5D92

Tgt Ion: 62 Resp: 691718

Ion Ratio Lower Upper

62 100

64 33.0 23.8 44.2



#17

trans-1,2-Dichloroethene

Concen: 29.471 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX030409.D

Acq: 04 Aug 2022 22:07

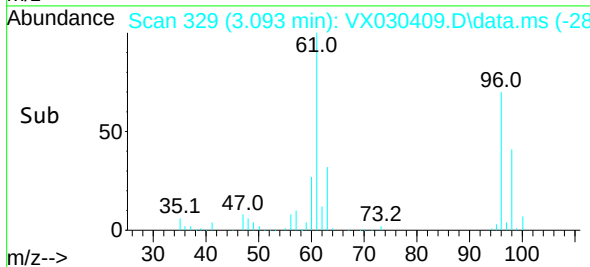
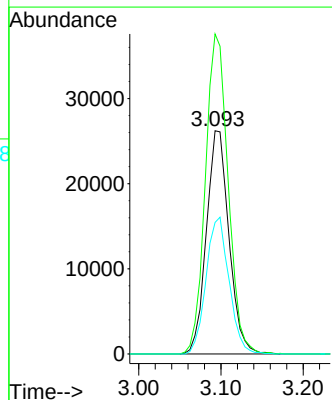
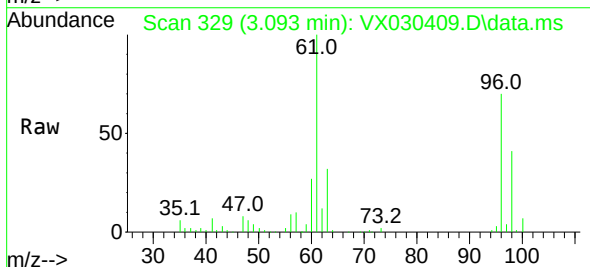
Tgt Ion: 96 Resp: 50130

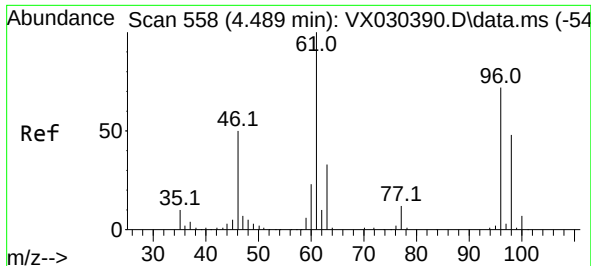
Ion Ratio Lower Upper

96 100

61 143.4 103.7 192.5

98 58.9 41.5 77.1

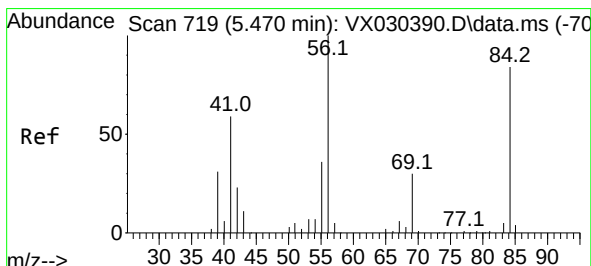
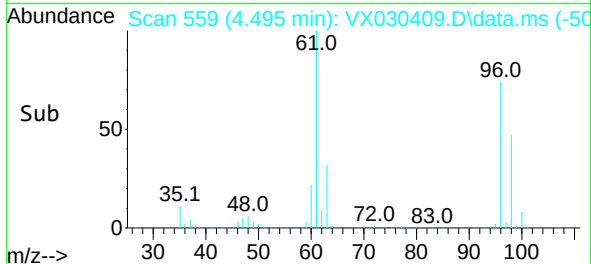
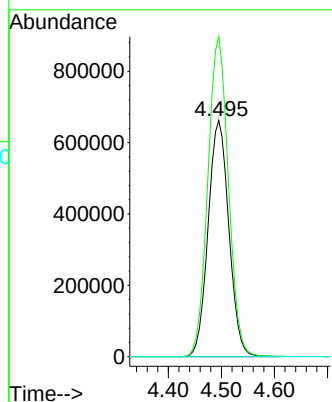
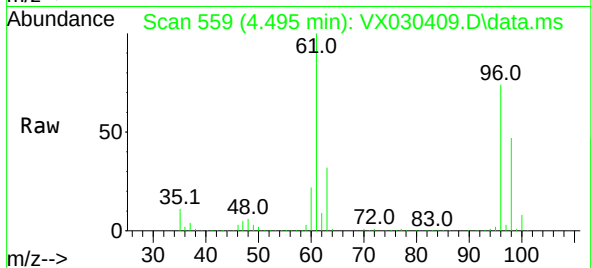




#20  
cis-1,2-Dichloroethene  
Concen: 939.362 ug/L  
RT: 4.495 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX030409.D  
Acq: 04 Aug 2022 22:07

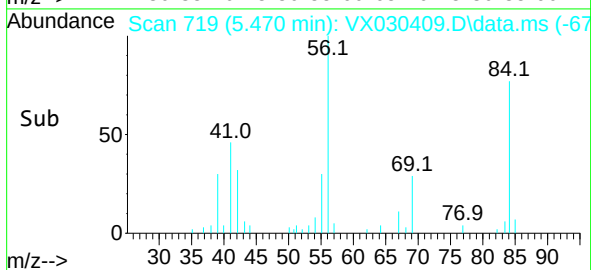
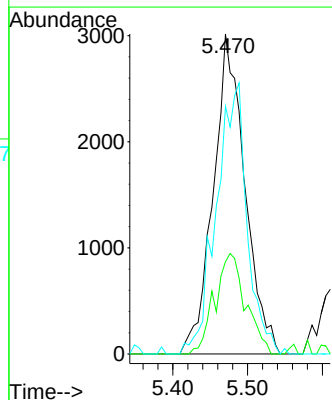
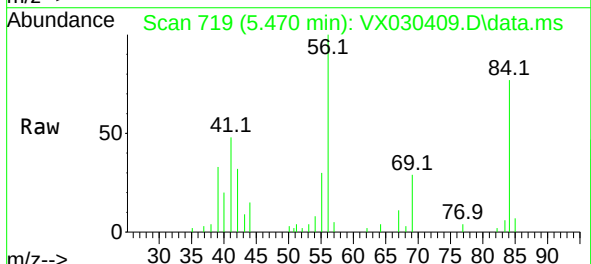
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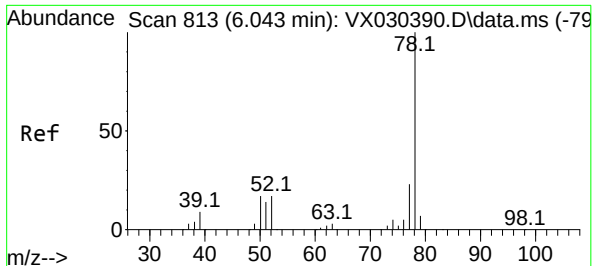
Tgt Ion: 96 Resp: 1797461  
Ion Ratio Lower Upper  
96 100  
61 135.4 94.0 174.6  
68 0.0 0.0 0.0



#29  
Cyclohexane  
Concen: 2.847 ug/L  
RT: 5.470 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX030409.D  
Acq: 04 Aug 2022 22:07

Tgt Ion: 56 Resp: 8844  
Ion Ratio Lower Upper  
56 100  
69 25.3 24.3 36.5  
84 43.1 66.7 100.1#

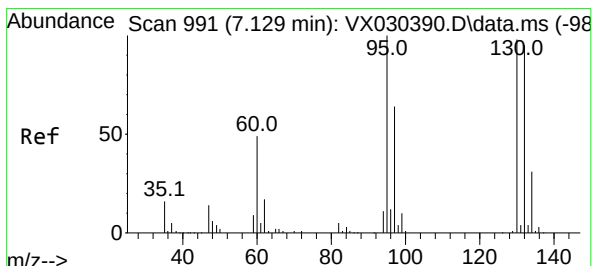
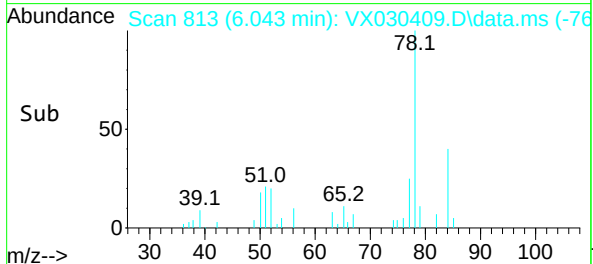
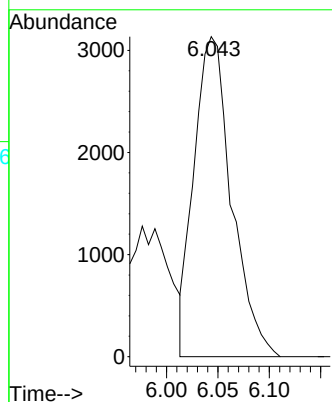
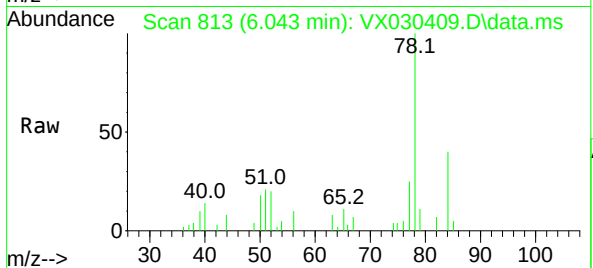




#33  
Benzene  
Concen: 1.061 ug/L  
RT: 6.043 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: VX030409.D  
Acq: 04 Aug 2022 22:07

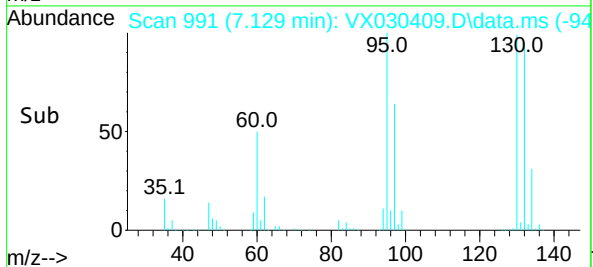
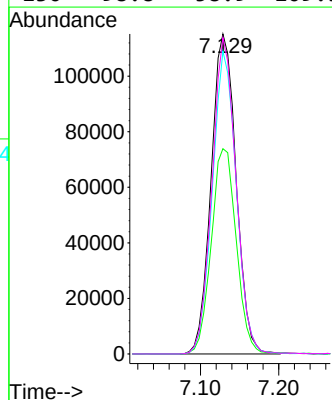
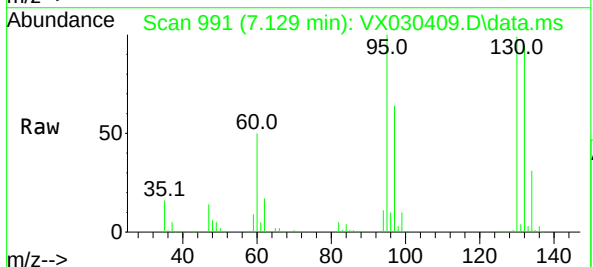
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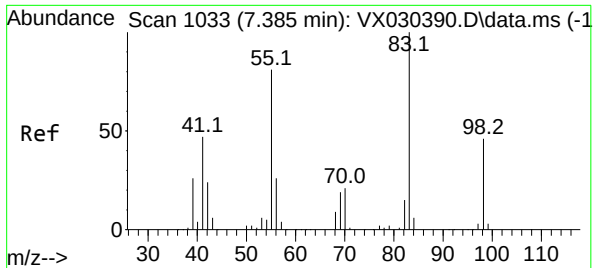
Tgt Ion: 78 Resp: 7951



#34  
Trichloroethene  
Concen: 117.557 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX030409.D  
Acq: 04 Aug 2022 22:07

Tgt Ion: 95 Resp: 255040  
Ion Ratio Lower Upper  
95 100  
97 64.1 40.2 74.6  
132 94.7 55.3 102.7  
130 98.8 58.9 109.5

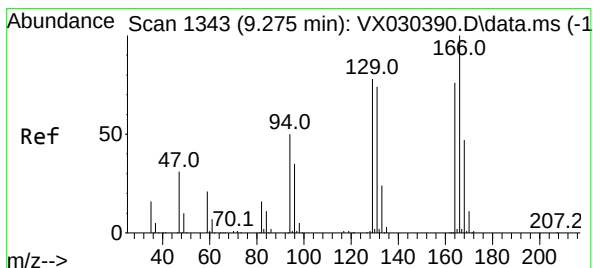
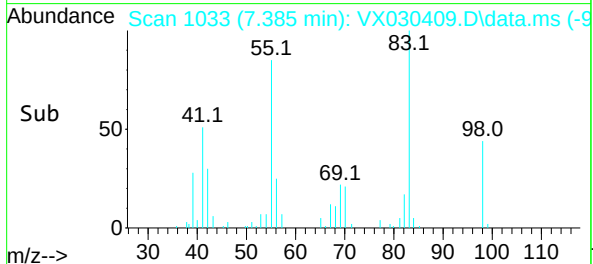
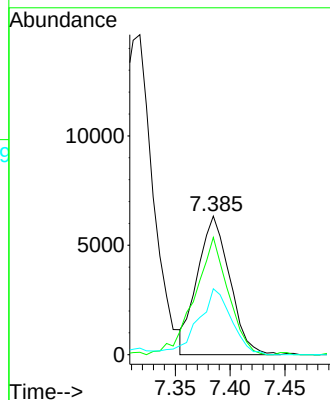
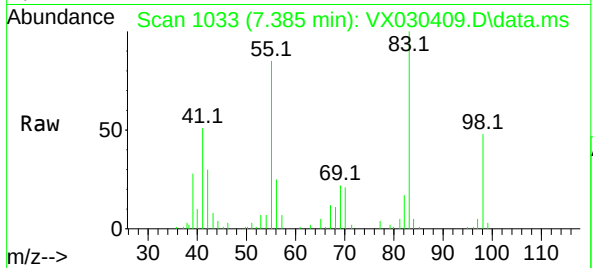




#35  
Methylcyclohexane  
Concen: 4.114 ug/L  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX030409.D  
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Instrument :  
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|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 12994 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 87.5     | 64.0 96.0   |
| 98 49.3     | 36.7 55.1   |



#46  
Tetrachloroethene  
Concen: 36.941 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX030409.D  
Acq: 04 Aug 2022 22:07

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 50650 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 107.3   | 72.7  | 135.1 |
| 131 | 100.0   | 69.9  | 129.9 |
| 166 | 127.4   | 88.3  | 164.1 |

