

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042023\  
 Data File : VV030710.D  
 Acq On : 20 Apr 2023 12:36  
 Operator : SY/MD  
 Sample : 02411-10  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AR3

Quant Time: Apr 21 00:17:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 21 00:14:50 2023  
 Response via : Initial Calibration

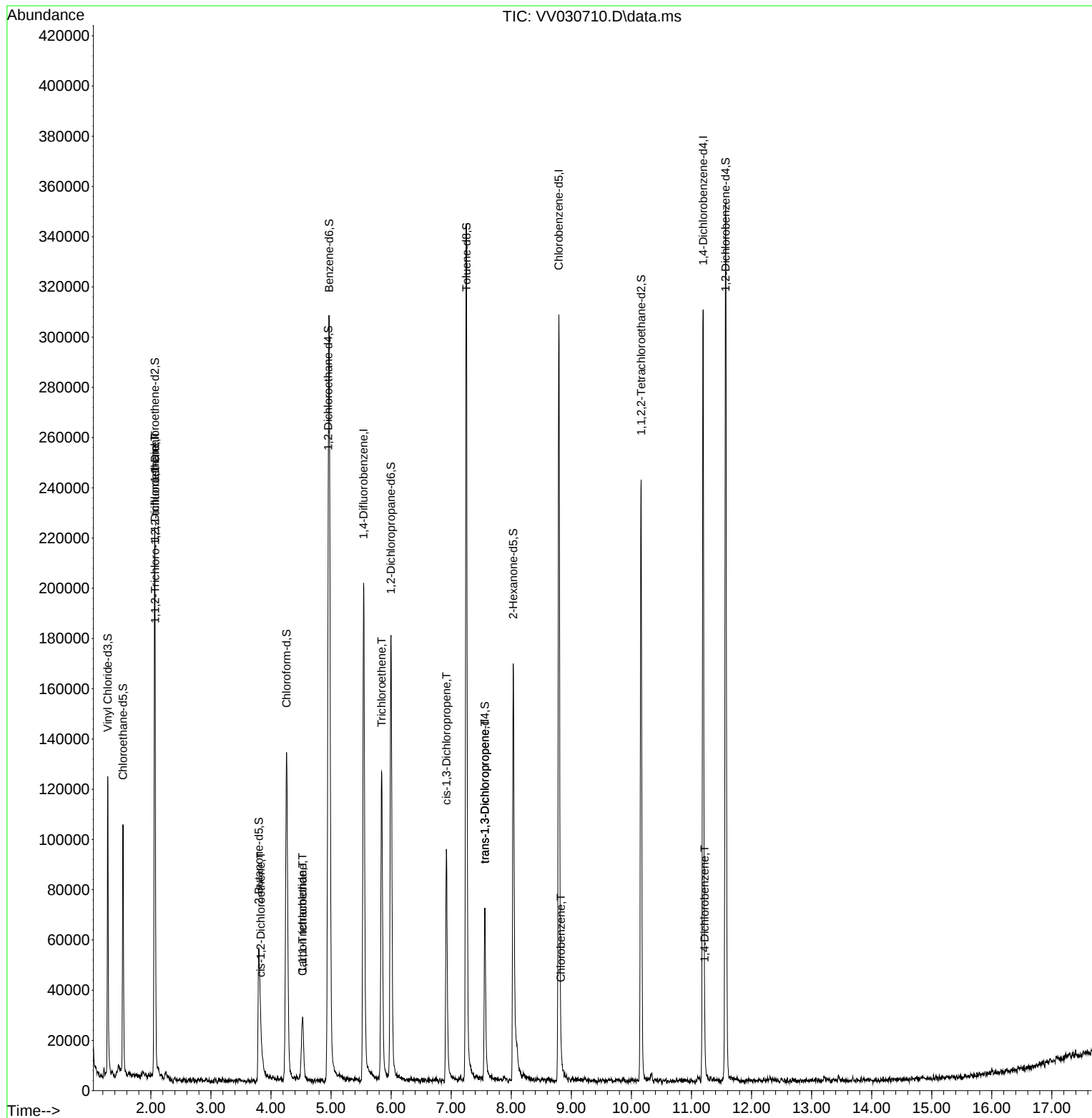
| Compound                      | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                         |                |      |                      |         |        |          |
| Internal Standards            |                |      |                      |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 165184               | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793          | 117  | 162874               | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 80211                | 50.000  | ug/L   | 0.00     |
|                               |                |      |                      |         |        |          |
| System Monitoring Compounds   |                |      |                      |         |        |          |
| 4) Vinyl Chloride-d3          | 1.282          | 65   | 77555                | 64.046  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 128.100%  |         |        |          |
| 7) Chloroethane-d5            | 1.536          | 69   | 64089                | 63.157  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 126.320%  |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 36221                | 63.074  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 126.140%# |         |        |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 85683                | 128.825 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 128.820%  |         |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 135632               | 61.806  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 123.620%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.954          | 65   | 94876                | 67.246  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 134.500%# |         |        |          |
| 32) Benzene-d6                | 4.970          | 84   | 253138               | 65.736  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 131.480%# |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 75703                | 63.288  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 126.580%# |         |        |          |
| 41) Toluene-d8                | 7.252          | 98   | 222837               | 61.633  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 123.260%# |         |        |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 38199                | 63.360  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 126.720%# |         |        |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 56165                | 119.192 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 119.190%  |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162         | 84   | 105788               | 60.949  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 121.900%# |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.571         | 152  | 87549                | 68.670  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 137.340%# |         |        |          |
|                               |                |      |                      |         |        |          |
| Target Compounds              |                |      |                      |         |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.073          | 101  | 1486                 | 1.162   | ug/L # | 38       |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 1610                 | 1.392   | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 3.831          | 96   | 1833                 | 1.443   | ug/L   | 89       |
| 30) 1,1,1-Trichloroethane     | 4.526          | 97   | 19295                | 8.431   | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.523          | 117  | 2270                 | 1.109   | ug/L   | 90       |
| 34) Trichloroethene           | 5.841          | 95   | 42356                | 32.924  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.921          | 75   | 3395                 | 1.699   | ug/L # | 73       |
| 44) trans-1,3-Dichloropropene | 7.561          | 75   | 2338                 | 1.191   | ug/L # | 72       |
| 51) Chlorobenzene             | 8.825          | 112  | 2299                 | 0.655   | ug/L # | 84       |
| 65) 1,4-Dichlorobenzene       | 11.220         | 146  | 2237                 | 0.847   | ug/L   | 87       |
| -----                         |                |      |                      |         |        |          |

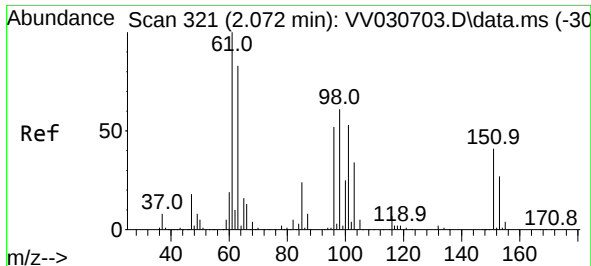
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02411-10  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : VOC Analysis  
QLast Update : Fri Apr 21 00:14:50 2023  
Response via : Initial Calibration

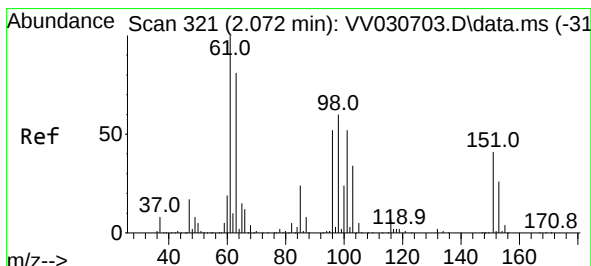
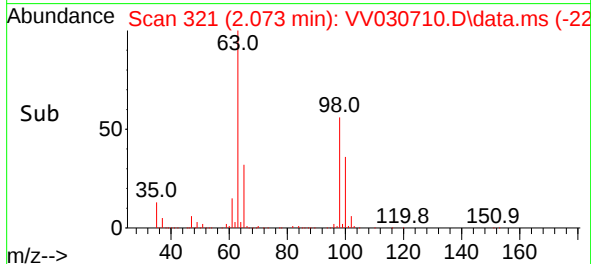
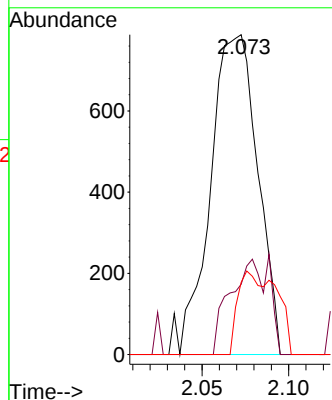
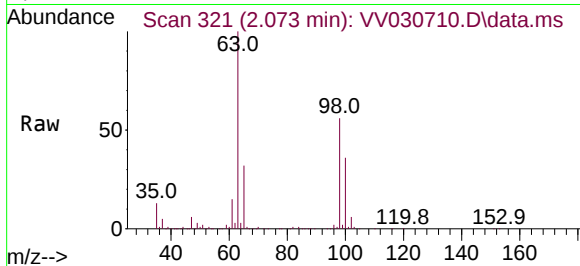




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.162 ug/L  
 RT: 2.073 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV030710.D  
 Acq: 20 Apr 2023 12:36

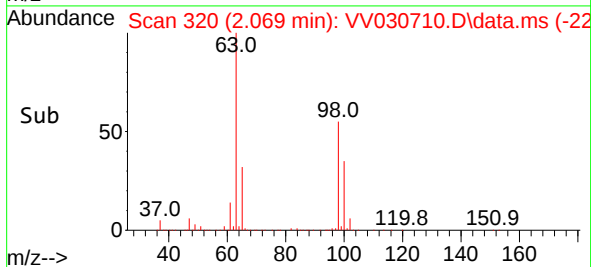
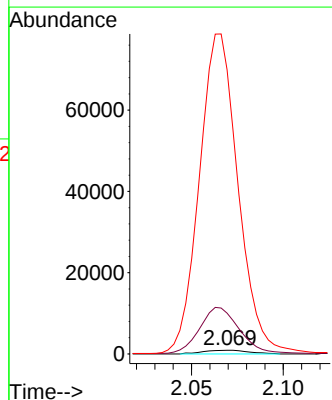
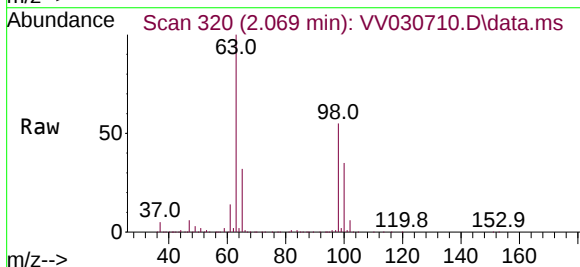
Instrument :  
 MSVOA\_V  
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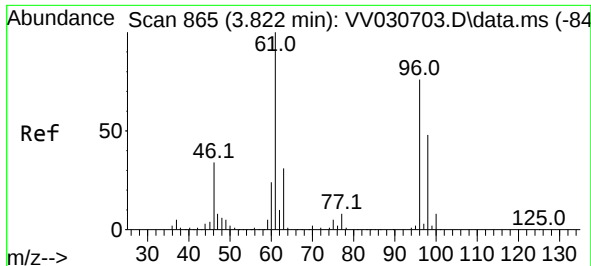
Tgt Ion:101 Resp: 1486  
 Ion Ratio Lower Upper  
 101 100  
 85 20.0 37.5 56.3#  
 151 13.4 63.5 95.3#



#12  
 1,1-Dichloroethene  
 Concen: 1.392 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.003 min  
 Lab File: VV030710.D  
 Acq: 20 Apr 2023 12:36

Tgt Ion: 96 Resp: 1610  
 Ion Ratio Lower Upper  
 96 100  
 61 1107.3 131.9 245.0#  
 63 7702.2 99.8 185.3#



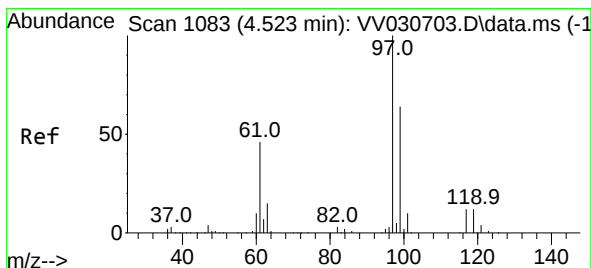
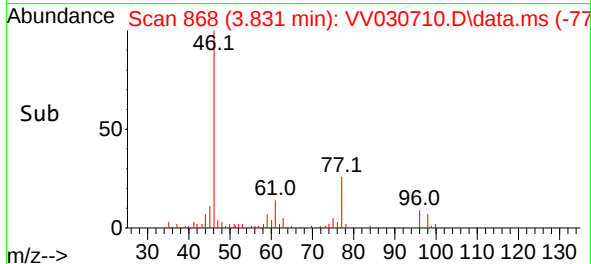
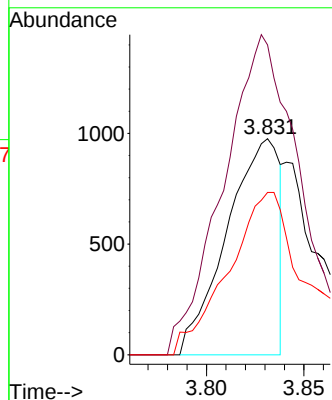
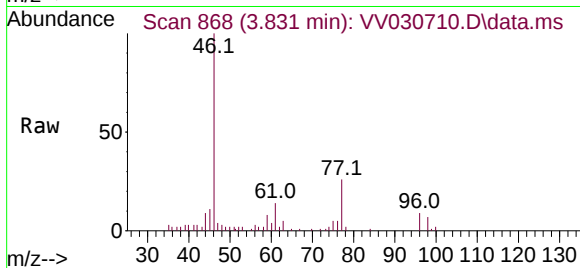


#20  
 cis-1,2-Dichloroethene  
 Concen: 1.443 ug/L  
 RT: 3.831 min Scan# 80  
 Delta R.T. 0.010 min  
 Lab File: VV030710.D  
 Acq: 20 Apr 2023 12:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Tgt Ion: 96 Resp: 1833  

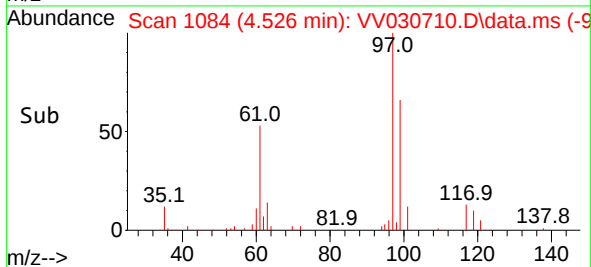
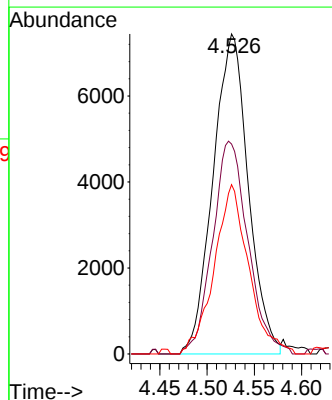
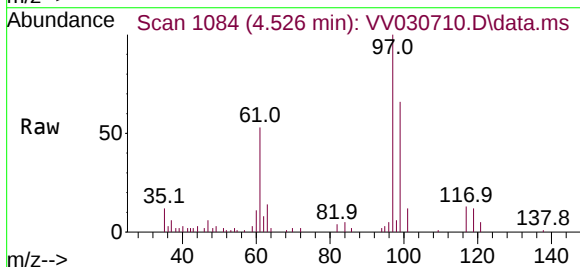
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 143.4 | 92.3  | 171.3 |
| 98  | 75.1  | 45.9  | 85.3  |

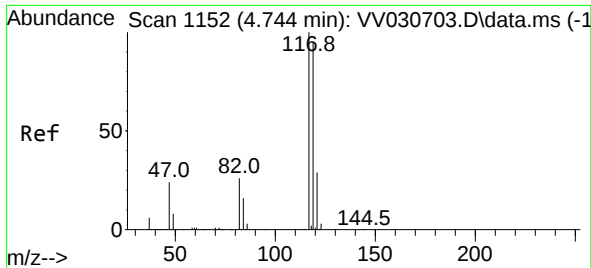


#30  
 1,1,1-Trichloroethane  
 Concen: 8.431 ug/L  
 RT: 4.526 min Scan# 1084  
 Delta R.T. 0.003 min  
 Lab File: VV030710.D  
 Acq: 20 Apr 2023 12:36

Tgt Ion: 97 Resp: 19295  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 66.9  | 51.4  | 77.0  |
| 61  | 50.2  | 37.0  | 55.6  |

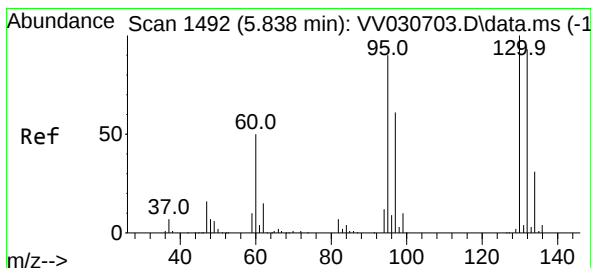
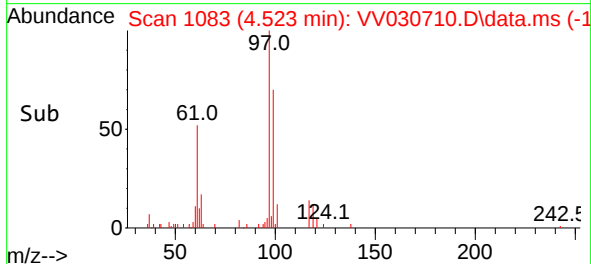
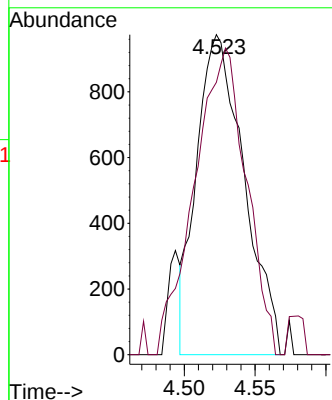
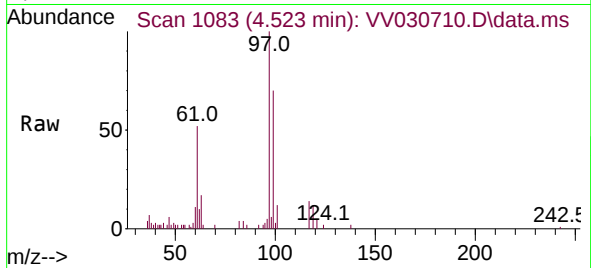




#31  
Carbon tetrachloride  
Concen: 1.109 ug/L  
RT: 4.523 min Scan# 1083  
Delta R.T. -0.222 min  
Lab File: VV030710.D  
Acq: 20 Apr 2023 12:36

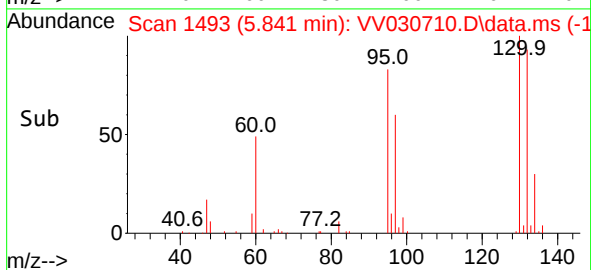
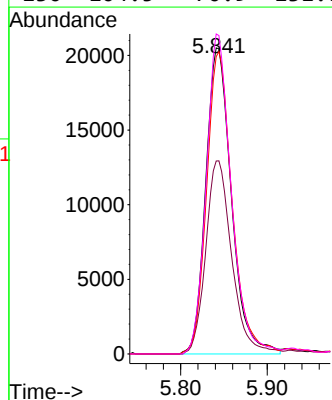
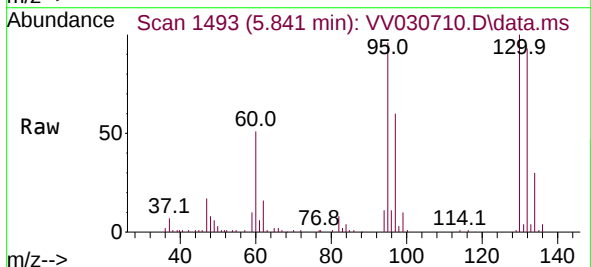
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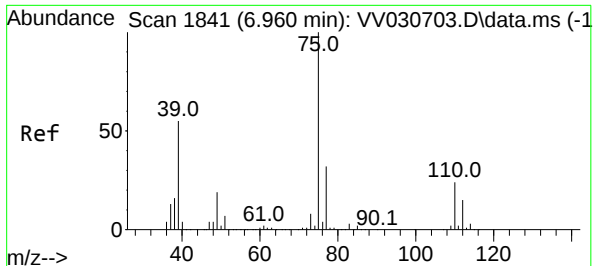
Tgt Ion:117 Resp: 2270  
Ion Ratio Lower Upper  
117 100  
119 104.4 75.9 113.9



#34  
Trichloroethene  
Concen: 32.924 ug/L  
RT: 5.841 min Scan# 1493  
Delta R.T. 0.003 min  
Lab File: VV030710.D  
Acq: 20 Apr 2023 12:36

Tgt Ion: 95 Resp: 42356  
Ion Ratio Lower Upper  
95 100  
97 63.1 45.8 85.2  
132 97.1 70.6 131.2  
130 104.5 70.9 131.7





#39

cis-1,3-Dichloropropene

Concen: 1.699 ug/L

RT: 6.921 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV030710.D

Acq: 20 Apr 2023 12:36

Instrument :

MSVOA\_V

ClientSampleId :

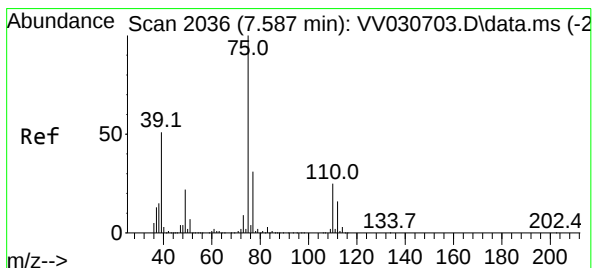
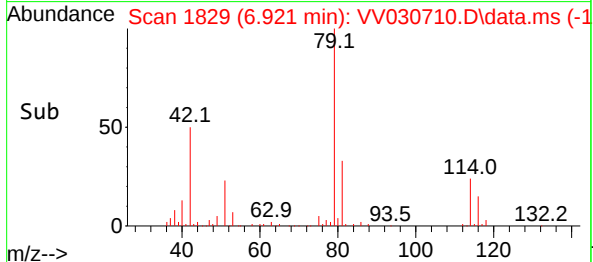
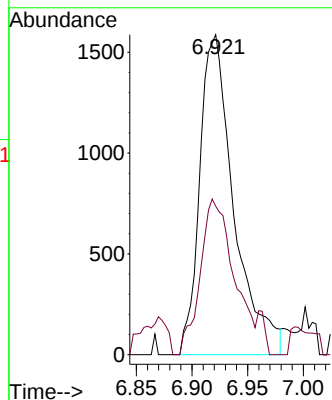
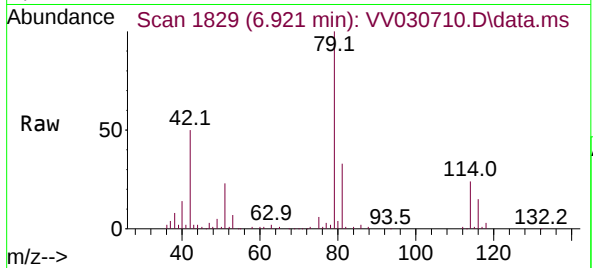
C0AR3

Tgt Ion: 75 Resp: 3395

Ion Ratio Lower Upper

75 100

77 46.4 22.0 40.8#



#44

trans-1,3-Dichloropropene

Concen: 1.191 ug/L

RT: 7.561 min Scan# 2028

Delta R.T. -0.026 min

Lab File: VV030710.D

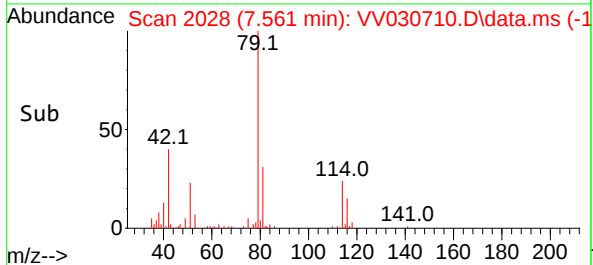
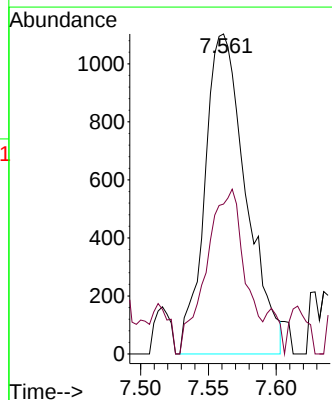
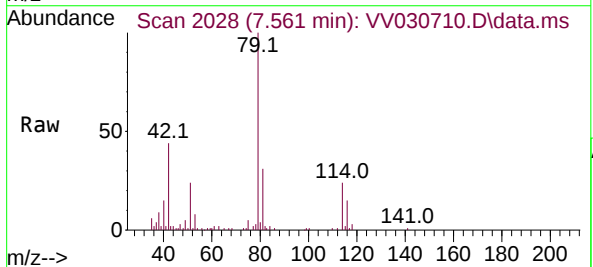
Acq: 20 Apr 2023 12:36

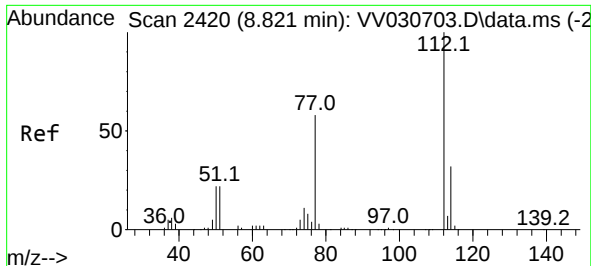
Tgt Ion: 75 Resp: 2338

Ion Ratio Lower Upper

75 100

77 46.9 22.1 41.1#

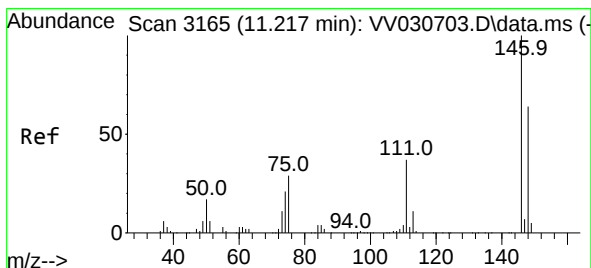
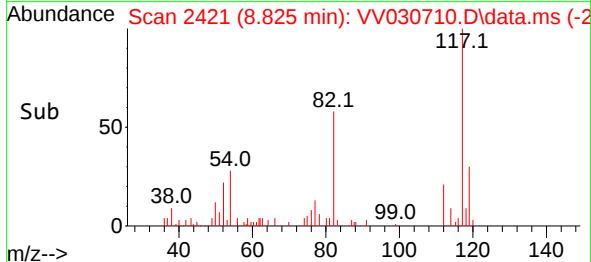
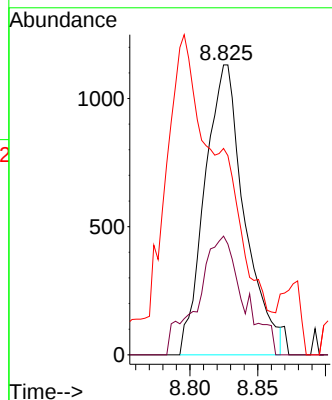
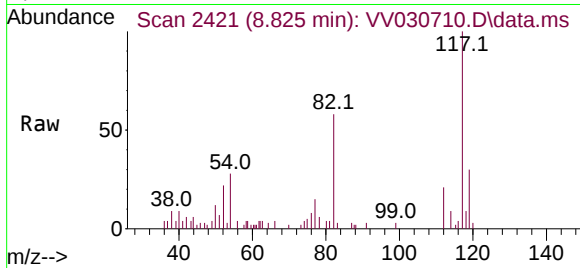




#51  
Chlorobenzene  
Concen: 0.655 ug/L  
RT: 8.825 min Scan# 2420  
Delta R.T. 0.003 min  
Lab File: VV030710.D  
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Tgt Ion:112 Resp: 2299  
Ion Ratio Lower Upper  
112 100  
114 40.9 22.4 41.6  
77 71.2 47.4 71.0#



#65  
1,4-Dichlorobenzene  
Concen: 0.847 ug/L  
RT: 11.220 min Scan# 3166  
Delta R.T. 0.003 min  
Lab File: VV030710.D  
Acq: 20 Apr 2023 12:36

Tgt Ion:146 Resp: 2237  
Ion Ratio Lower Upper  
146 100  
111 36.3 26.5 49.1  
148 48.3 44.7 83.1

