

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031523\  
 Data File : VX034522.D  
 Acq On : 15 Mar 2023 20:41  
 Operator : JC/MD  
 Sample : 01903-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE103D2-20230310

Quant Time: Mar 16 05:24:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

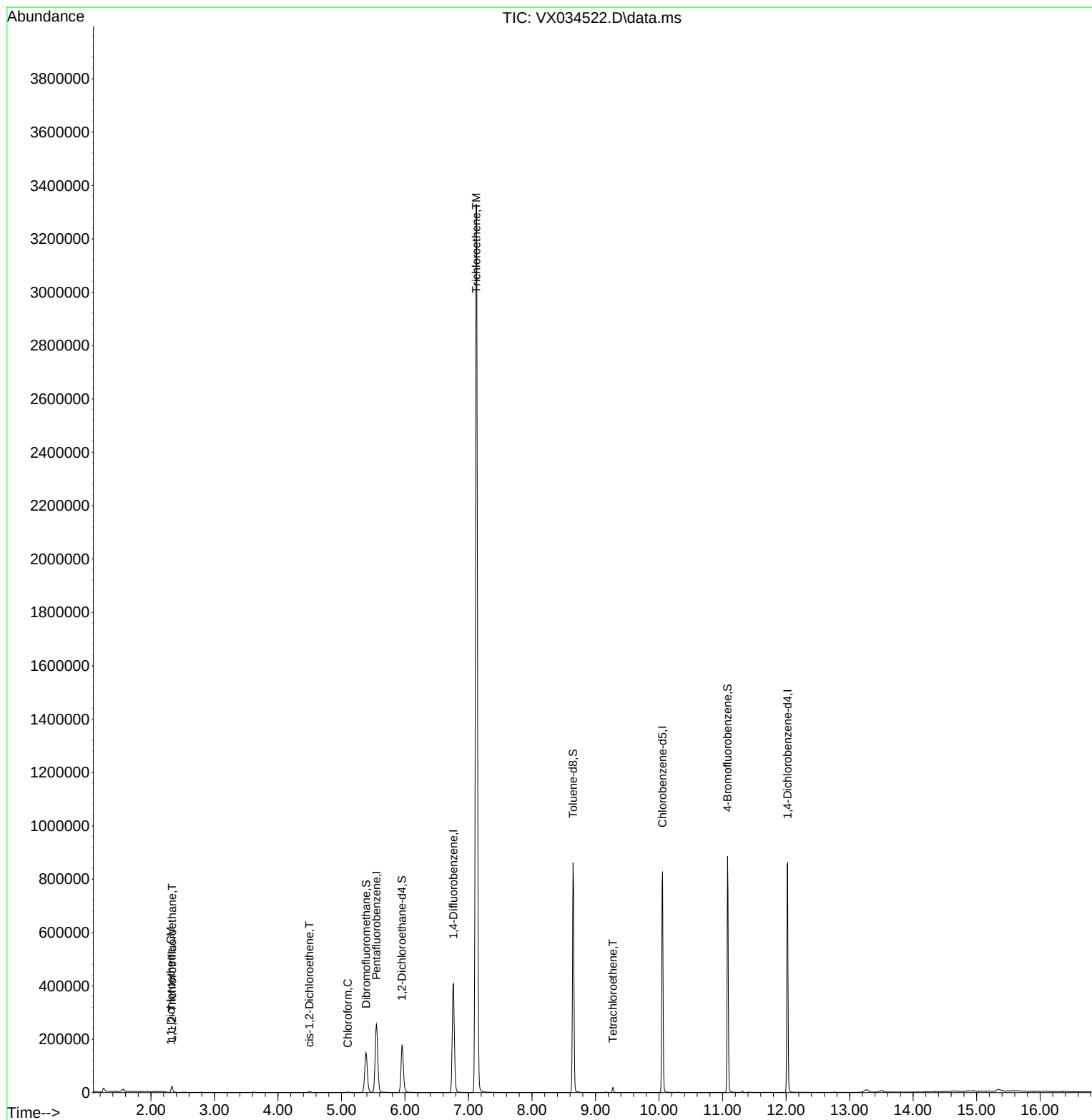
| Compound                     | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|---------|----------|----------|
| -----                        |        |                |          |         |          |          |
| Internal Standards           |        |                |          |         |          |          |
| 1) Pentafluorobenzene        | 5.550  | 168            | 242604   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114            | 414408   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117            | 360991   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152            | 172612   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65             | 161902   | 45.872  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 78 - 117 | Recovery | =       | 91.740%  |          |
| 35) Dibromofluoromethane     | 5.385  | 113            | 128564   | 46.988  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =       | 93.980%  |          |
| 50) Toluene-d8               | 8.647  | 98             | 497129   | 48.671  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 92 - 112 | Recovery | =       | 97.340%  |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95             | 232477   | 56.348  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 83 - 123 | Recovery | =       | 112.700% |          |
| Target Compounds             |        |                |          |         |          |          |
|                              |        |                |          |         | Qvalue   |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101            | 8150     | 3.022   | ug/l     | 99       |
| 12) 1,1-Dichloroethene       | 2.313  | 96             | 1156     | 0.435   | ug/l     | 81       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96             | 1901     | 0.560   | ug/l     | 89       |
| 30) Chloroform               | 5.099  | 83             | 1950     | 0.360   | ug/l     | 87       |
| 44) Trichloroethene          | 7.123  | 130            | 1261272  | 394.854 | ug/l     | 96       |
| 64) Tetrachloroethene        | 9.275  | 164            | 2796     | 1.153   | ug/l     | 90       |
| -----                        |        |                |          |         |          |          |

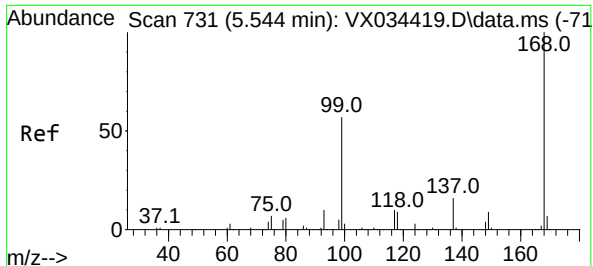
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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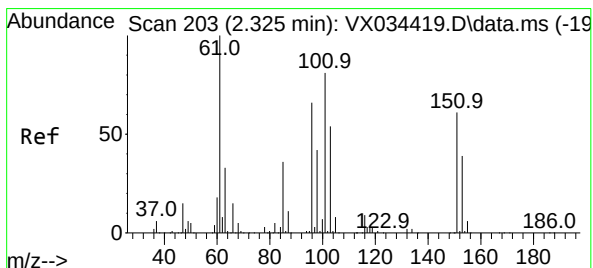
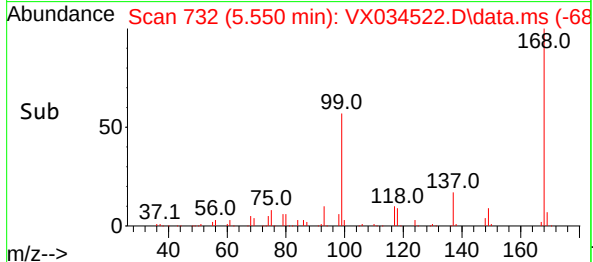
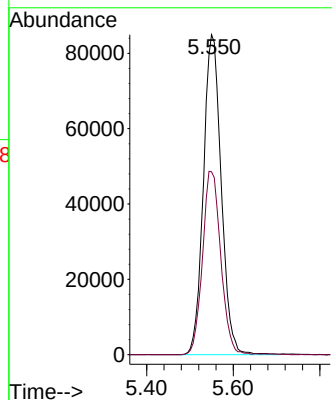
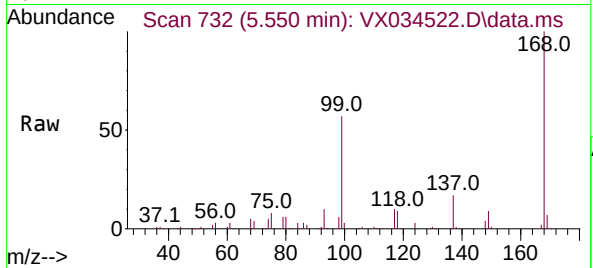




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

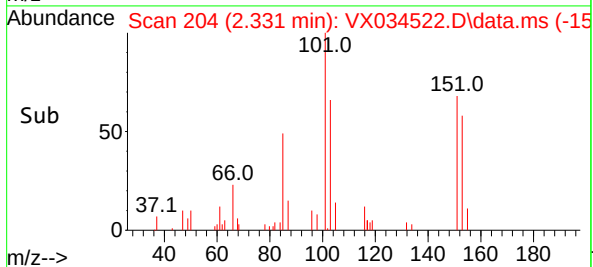
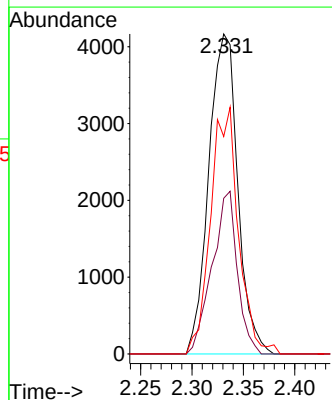
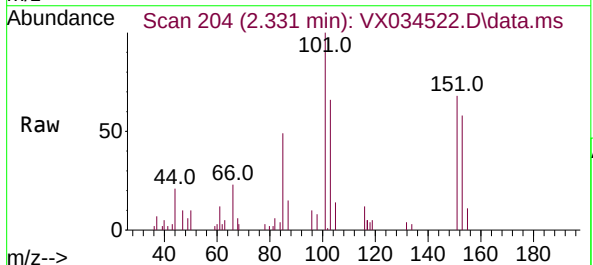
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D2-20230310

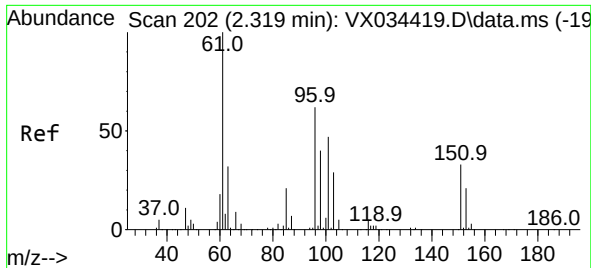
Tgt Ion:168 Resp: 242604  
Ion Ratio Lower Upper  
168 100  
99 57.2 45.7 68.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.022 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

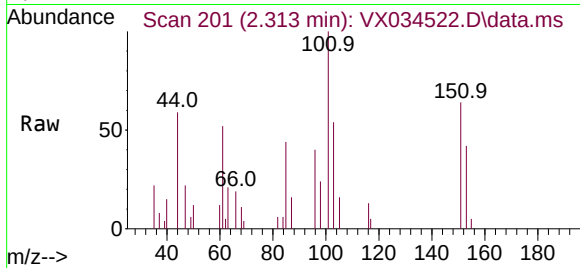
Tgt Ion:101 Resp: 8150  
Ion Ratio Lower Upper  
101 100  
85 44.3 35.4 53.2  
151 74.1 60.2 90.4





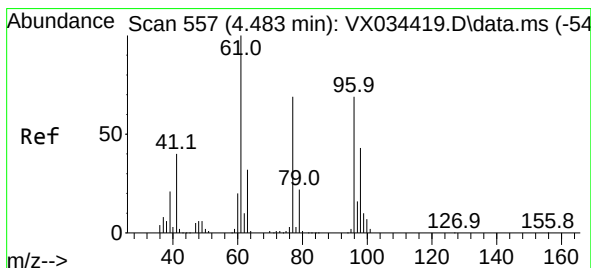
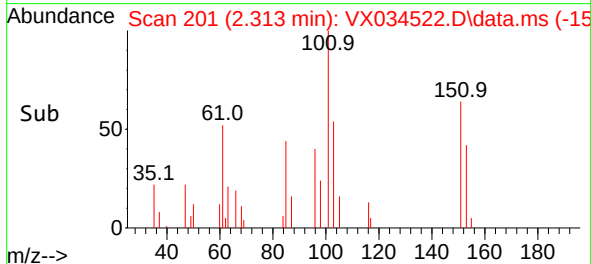
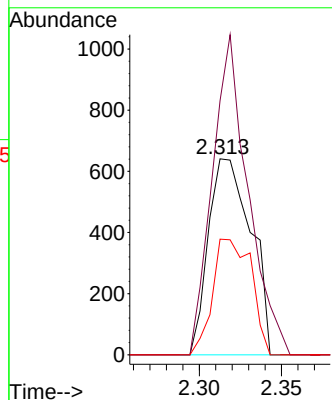
#12  
1,1-Dichloroethene  
Concen: 0.435 ug/l  
RT: 2.313 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D2-20230310



Tgt Ion: 96 Resp: 1156

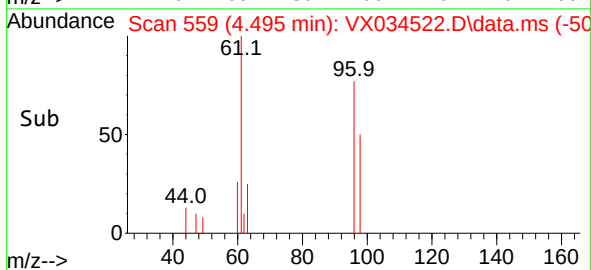
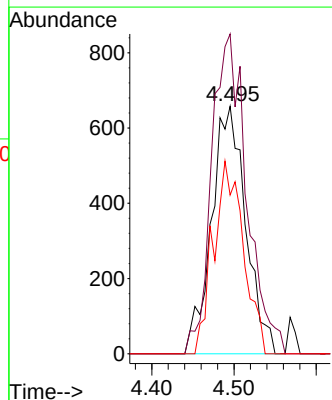
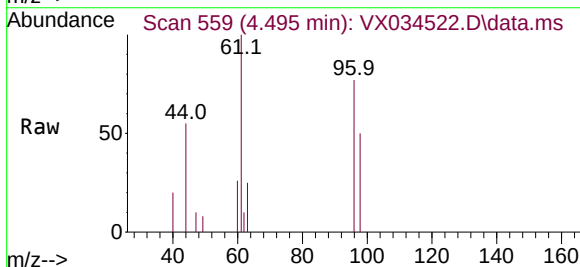
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 129.6 | 128.8 | 193.2 |
| 98  | 59.0  | 51.4  | 77.0  |

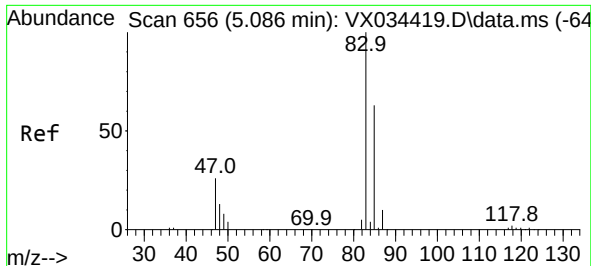


#27  
cis-1,2-Dichloroethene  
Concen: 0.560 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.012 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Tgt Ion: 96 Resp: 1901

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.3 | 0.0   | 300.4 |
| 98  | 68.1  | 0.0   | 129.0 |





#30

Chloroform

Concen: 0.360 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

Instrument :

MSVOA\_X

ClientSampleId :

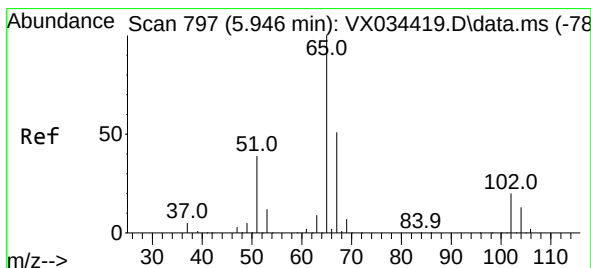
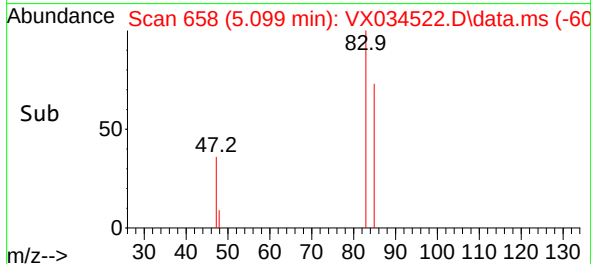
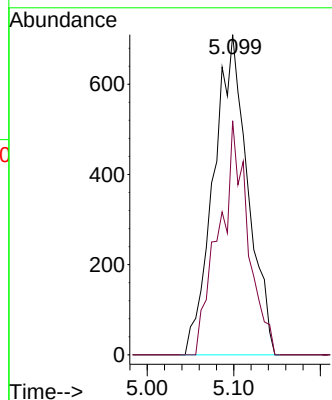
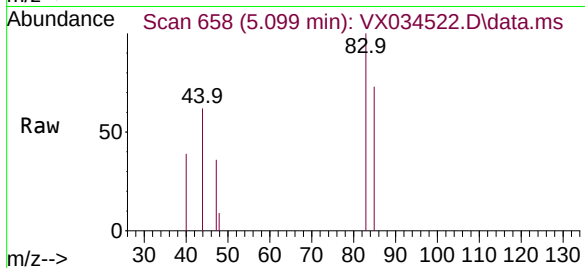
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Tgt Ion: 83 Resp: 1950

Ion Ratio Lower Upper

83 100

85 73.1 50.6 76.0



#33

1,2-Dichloroethane-d4

Concen: 45.872 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034522.D

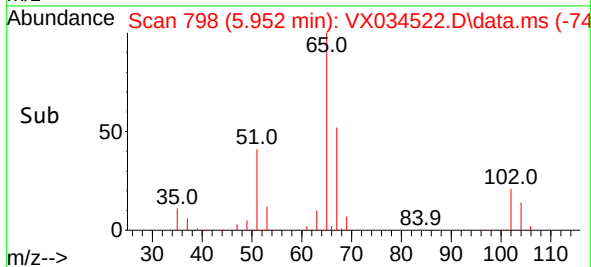
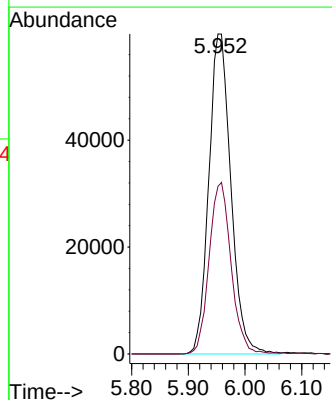
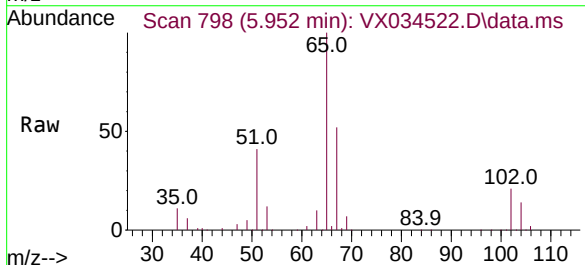
Acq: 15 Mar 2023 20:41

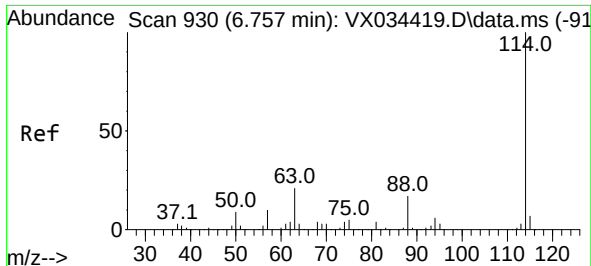
Tgt Ion: 65 Resp: 161902

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.0

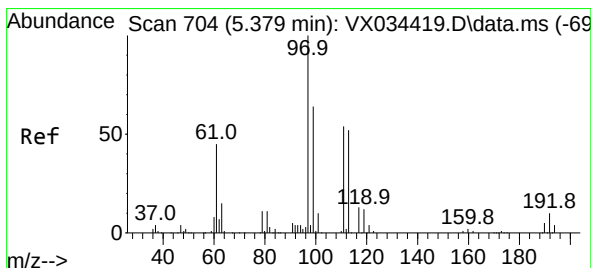
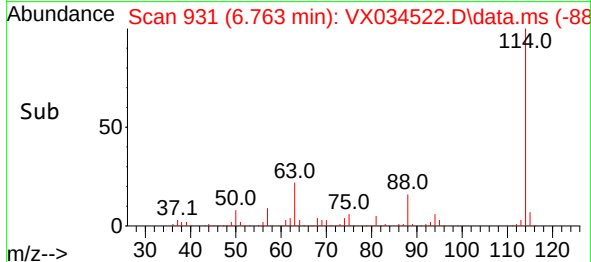
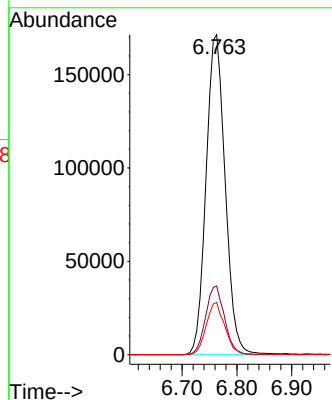
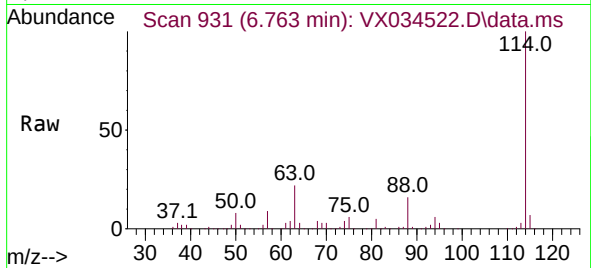




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

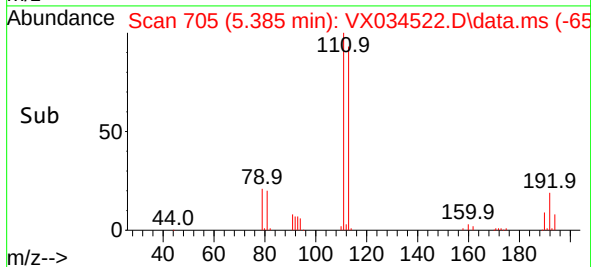
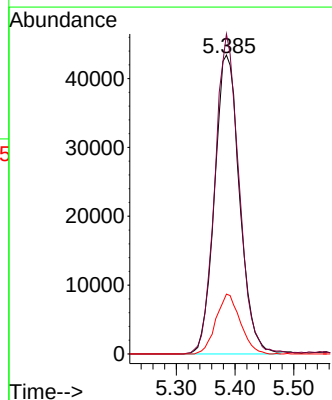
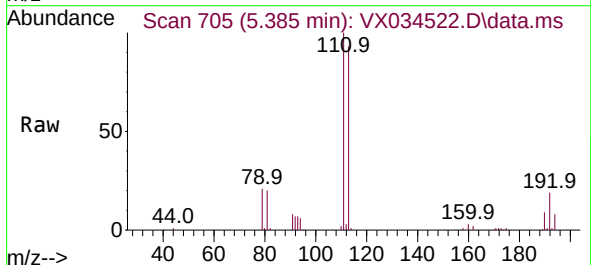
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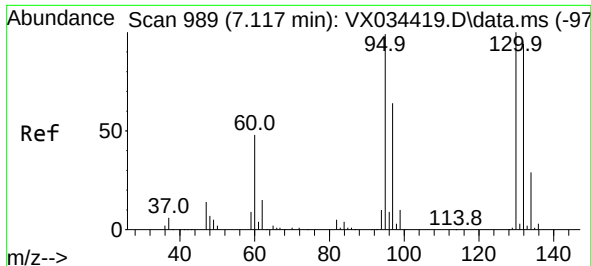
Tgt Ion:114 Resp: 414408  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 42.2  
88 16.3 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 46.988 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Tgt Ion:113 Resp: 128564  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.7 125.5  
192 19.4 15.4 23.2

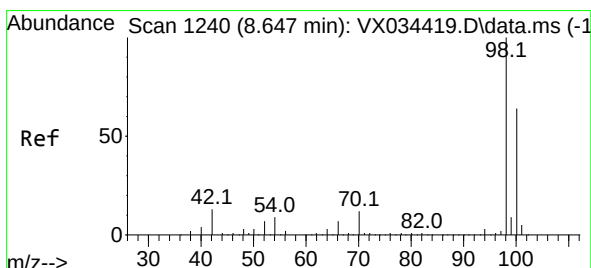
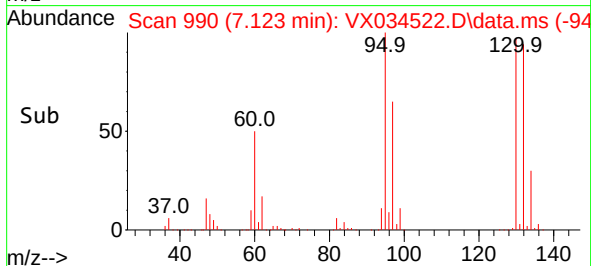
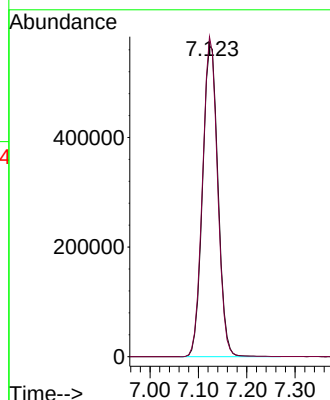
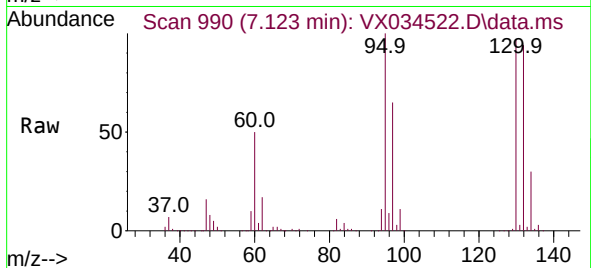




#44  
Trichloroethene  
Concen: 394.854 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

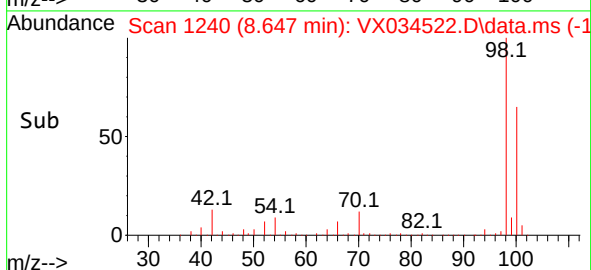
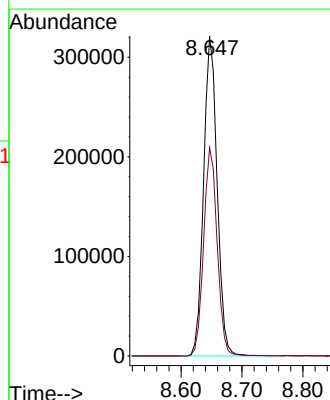
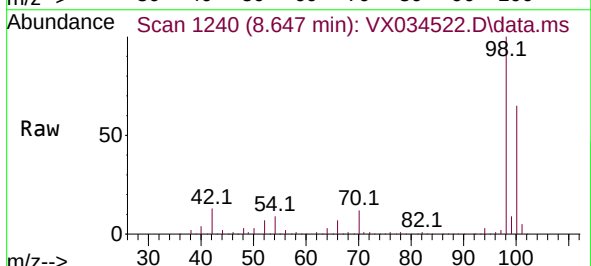
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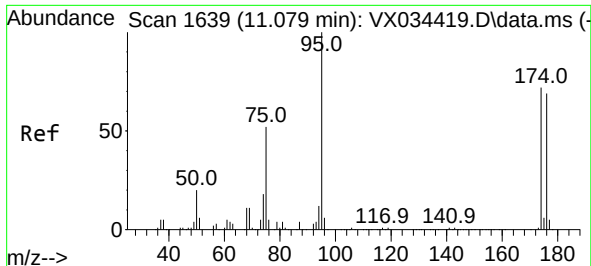
Tgt Ion:130 Resp: 1261272  
Ion Ratio Lower Upper  
130 100  
95 103.0 0.0 198.4



#50  
Toluene-d8  
Concen: 48.671 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Tgt Ion: 98 Resp: 497129  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7

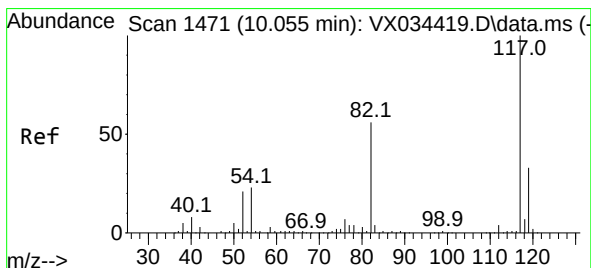
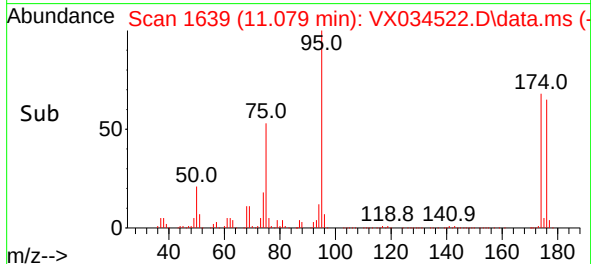
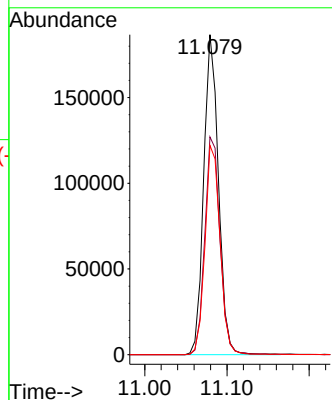
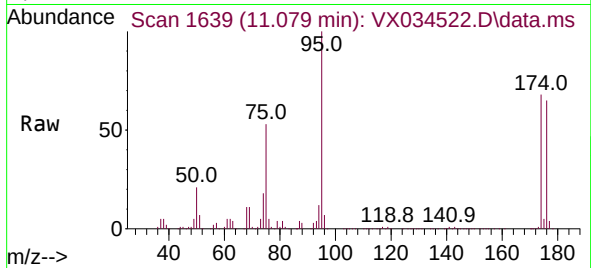




#62  
4-Bromofluorobenzene  
Concen: 56.348 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

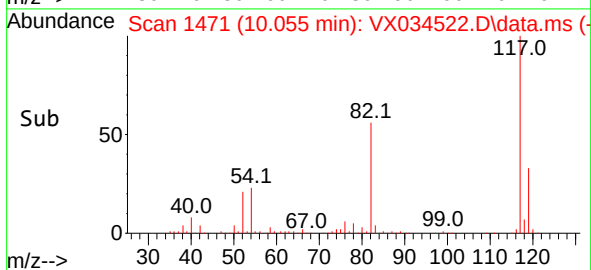
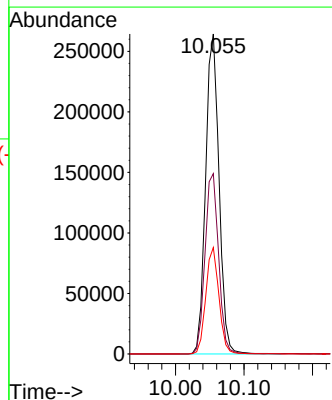
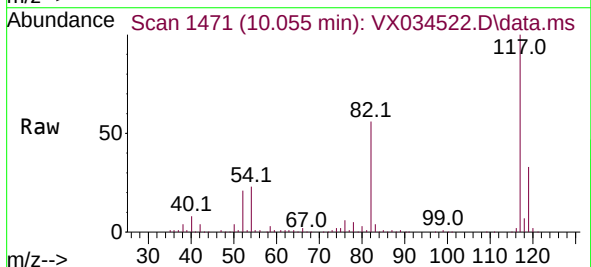
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Tgt Ion: 95 Resp: 232477  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 147.4  
176 67.0 0.0 140.6

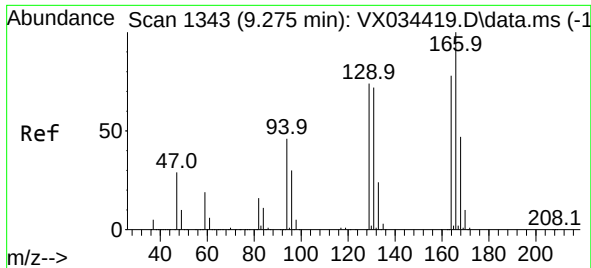


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Tgt Ion: 117 Resp: 360991  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.0 67.4  
119 33.3 26.0 39.0





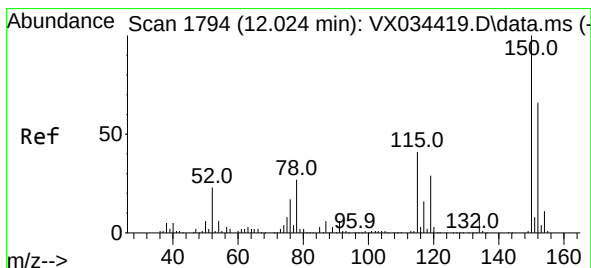
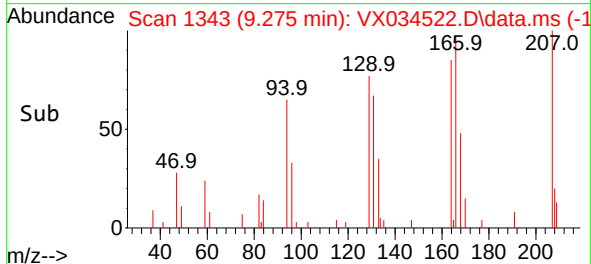
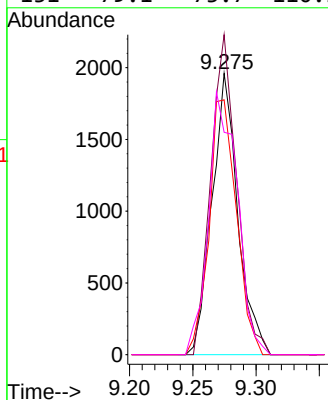
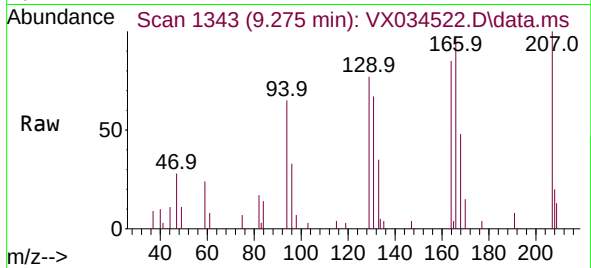


#64  
Tetrachloroethene  
Concen: 1.153 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE103D2-20230310

Tgt Ion:164 Resp: 2796

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 113.8 | 102.7 | 154.1 |
| 129 | 90.6  | 75.6  | 113.4 |
| 131 | 79.1  | 73.7  | 110.5 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX034522.D  
Acq: 15 Mar 2023 20:41

Tgt Ion:152 Resp: 172612

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 64.1  | 45.0  | 135.0 |
| 150 | 156.9 | 0.0   | 352.4 |

