

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031623\  
 Data File : VX034552.D  
 Acq On : 16 Mar 2023 17:45  
 Operator : JC/MD  
 Sample : 01904-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW8-MW01D3-20230312

Quant Time: Mar 17 06:28:49 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

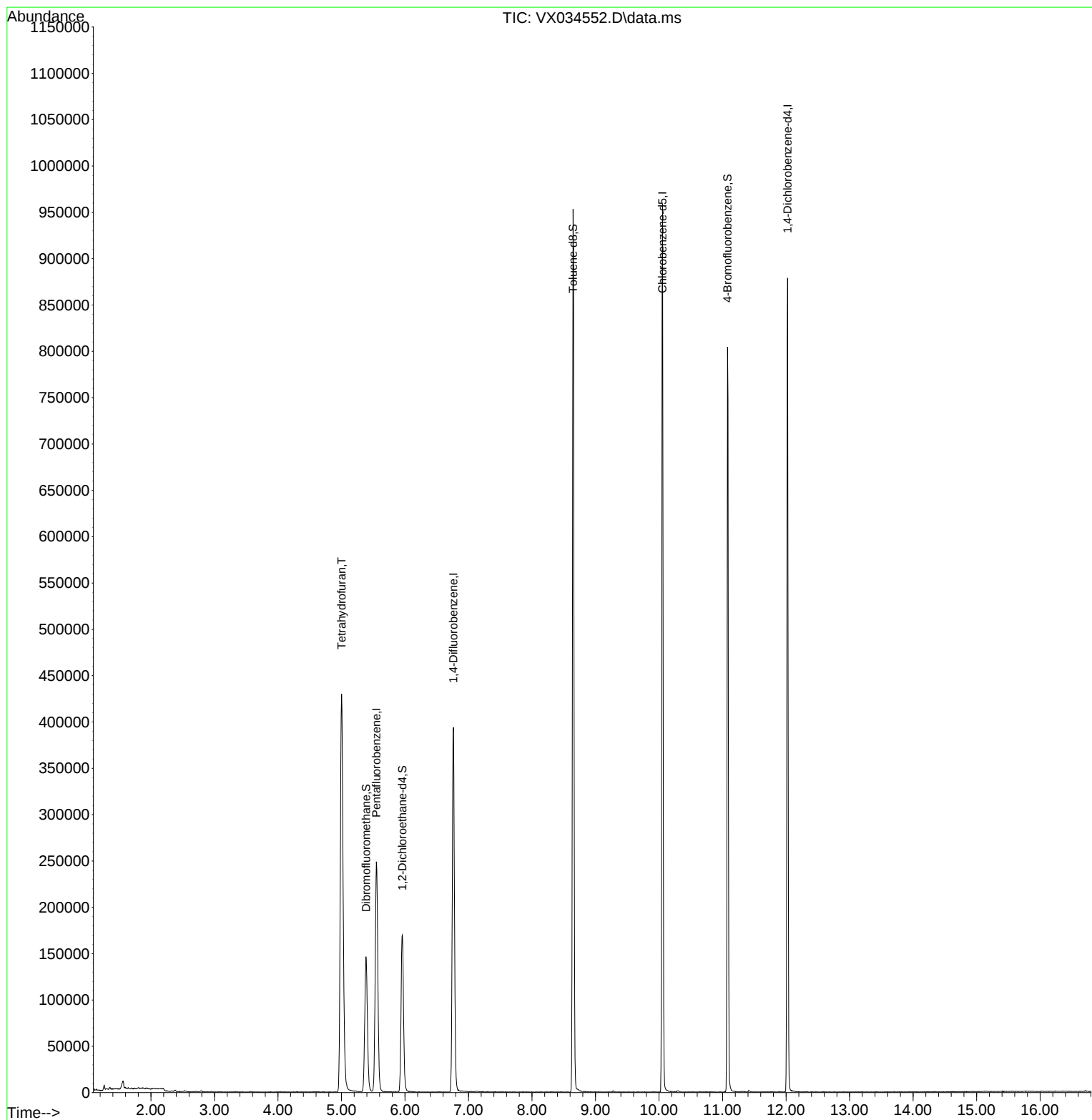
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 232566   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 398541   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 402262   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 172130   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 160942   | 47.569   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 95.140%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 125272   | 47.607   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 95.220%  |
| 50) Toluene-d8              | 8.647  | 98    | 538244   | 54.794   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 109.580% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 220651   | 55.611   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 111.220% |
| Target Compounds            |        |       |          |          |       |          |
| 29) Tetrahydrofuran         | 5.001  | 42    | 414996   | 294.920  | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

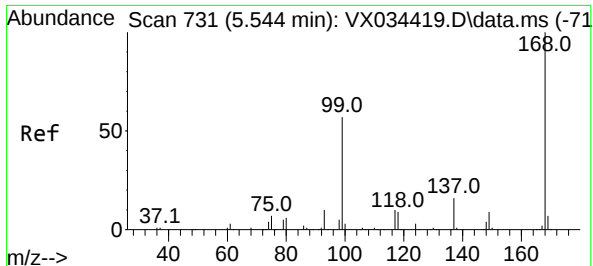
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration

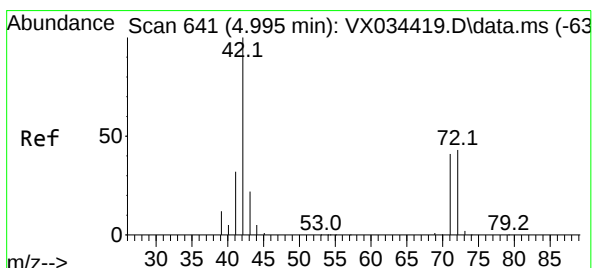
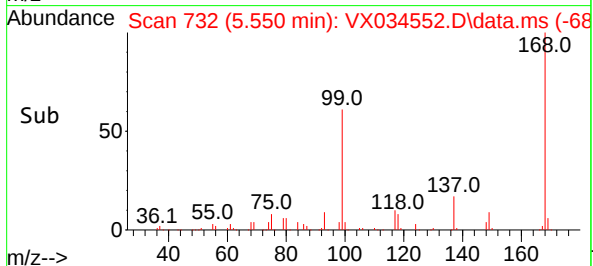
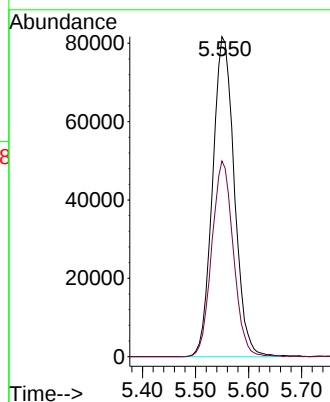
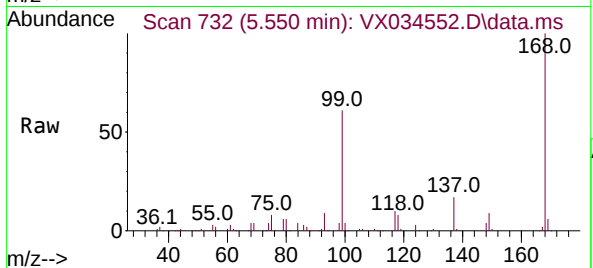




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034552.D  
Acq: 16 Mar 2023 17:45

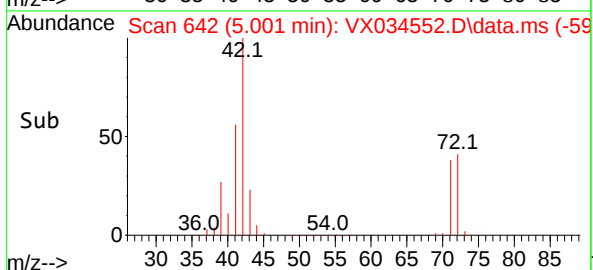
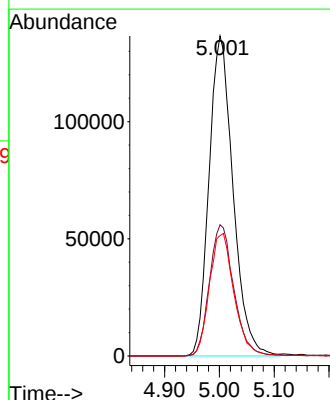
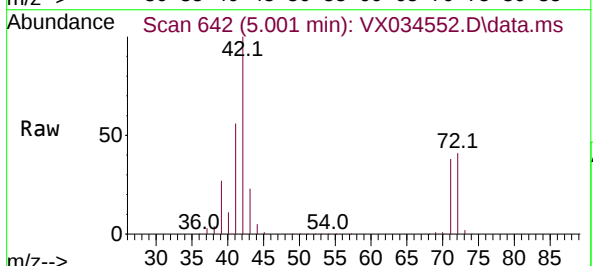
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20230312

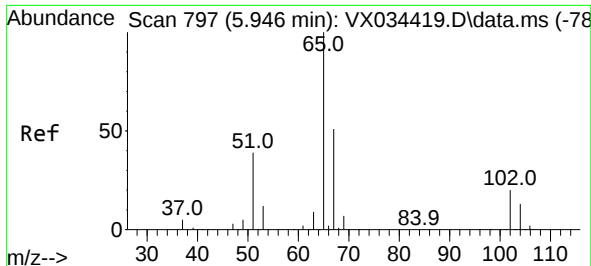
Tgt Ion:168 Resp: 232566  
Ion Ratio Lower Upper  
168 100  
99 61.2 45.7 68.5



#29  
Tetrahydrofuran  
Concen: 294.920 ug/l  
RT: 5.001 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VX034552.D  
Acq: 16 Mar 2023 17:45

Tgt Ion: 42 Resp: 414996  
Ion Ratio Lower Upper  
42 100  
72 41.4 34.5 51.7  
71 39.2 32.1 48.1

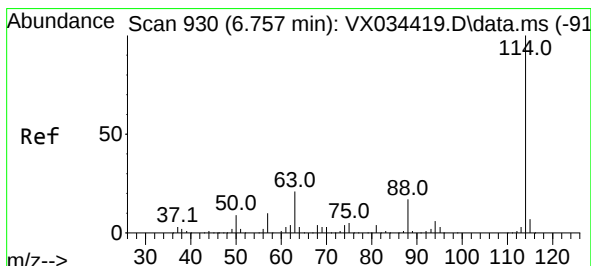
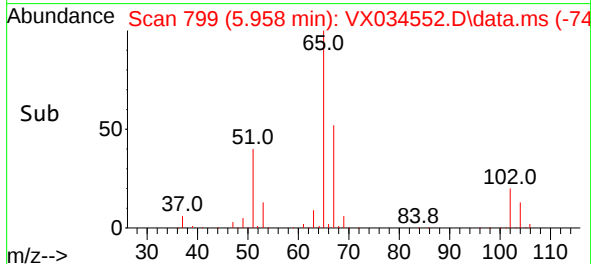
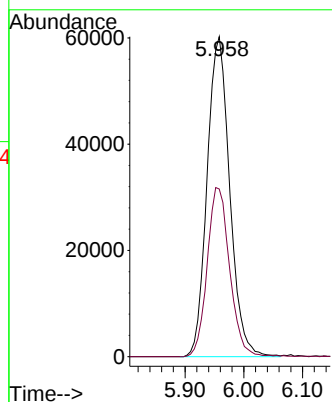
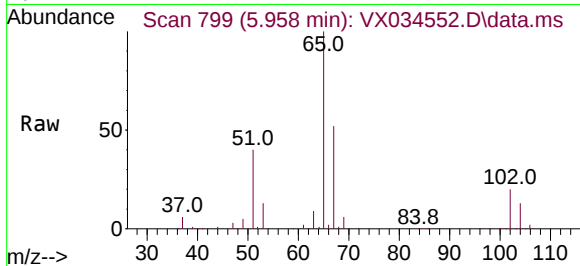




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.569 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.012 min  
 Lab File: VX034552.D  
 Acq: 16 Mar 2023 17:45

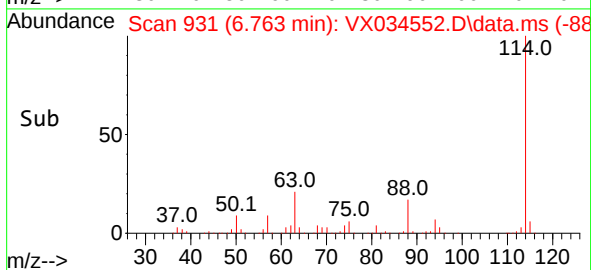
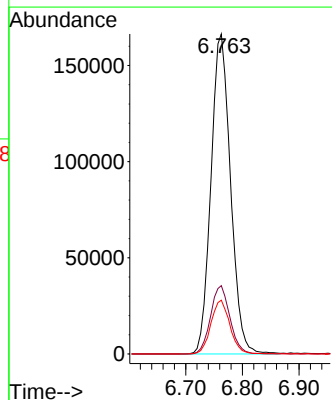
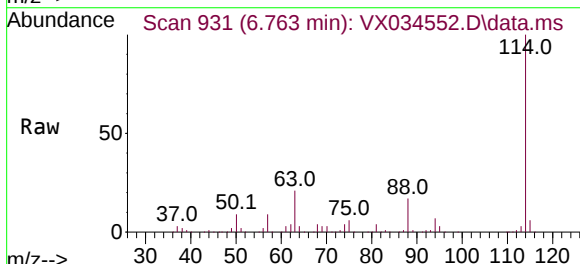
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW8-MW01D3-20230312

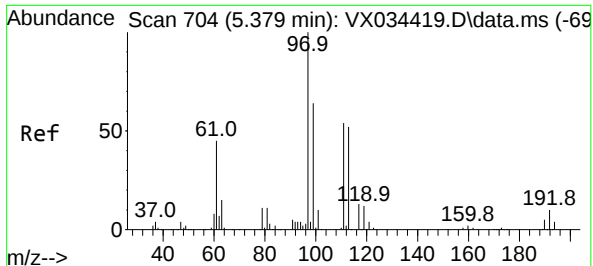
Tgt Ion: 65 Resp: 160942  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.006 min  
 Lab File: VX034552.D  
 Acq: 16 Mar 2023 17:45

Tgt Ion: 114 Resp: 398541  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 42.2  
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.607 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034552.D

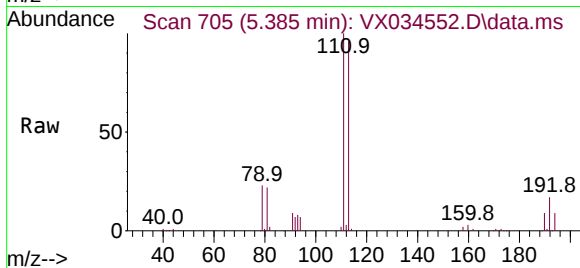
Acq: 16 Mar 2023 17:45

Instrument :

MSVOA\_X

ClientSampleId :

RW8-MW01D3-20230312



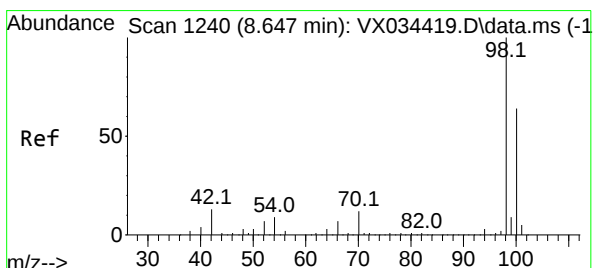
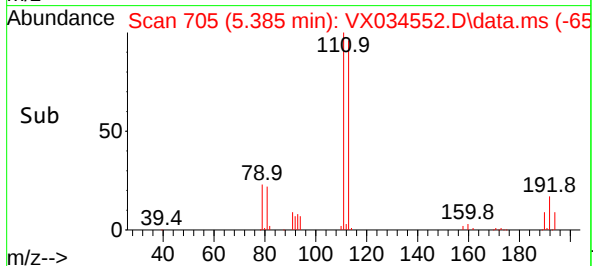
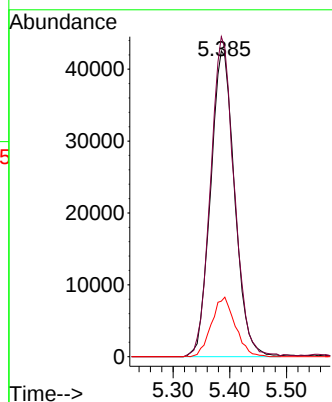
Tgt Ion:113 Resp: 125272

Ion Ratio Lower Upper

113 100

111 103.4 83.7 125.5

192 19.2 15.4 23.2



#50

Toluene-d8

Concen: 54.794 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034552.D

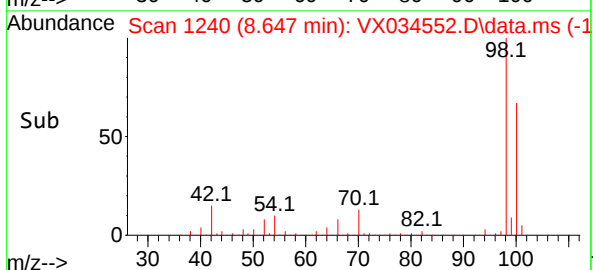
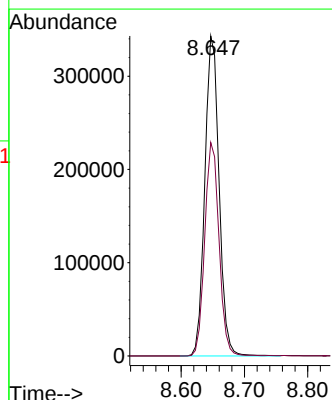
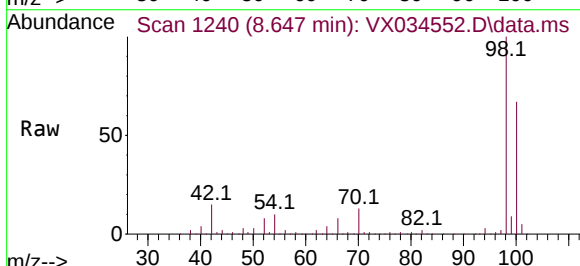
Acq: 16 Mar 2023 17:45

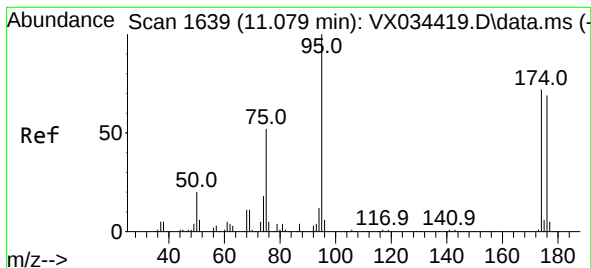
Tgt Ion: 98 Resp: 538244

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7

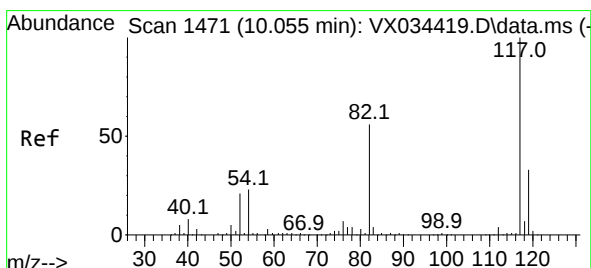
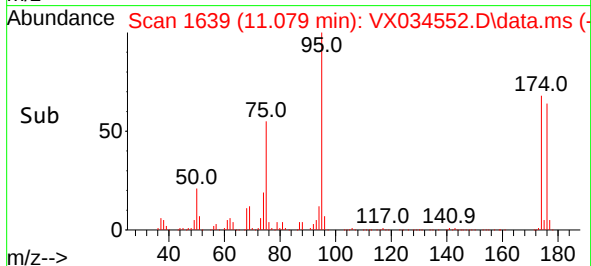
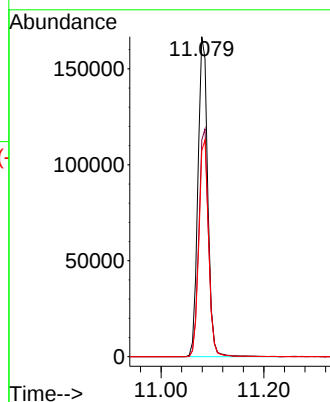
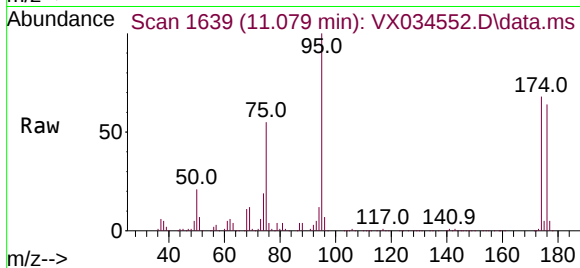




#62  
4-Bromofluorobenzene  
Concen: 55.611 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX034552.D  
Acq: 16 Mar 2023 17:45

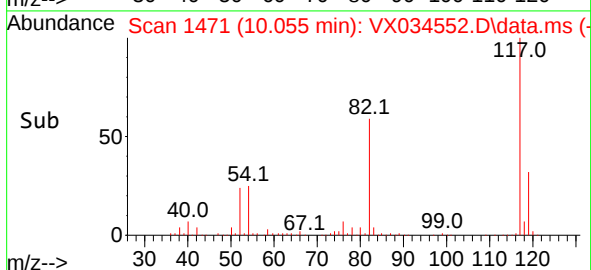
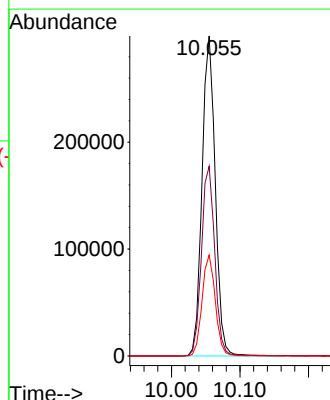
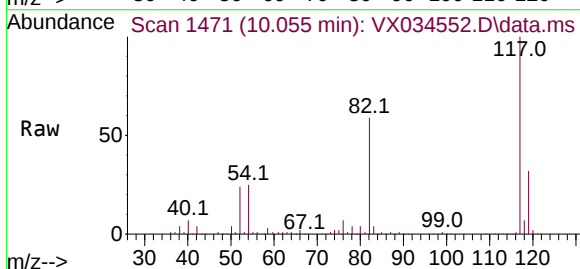
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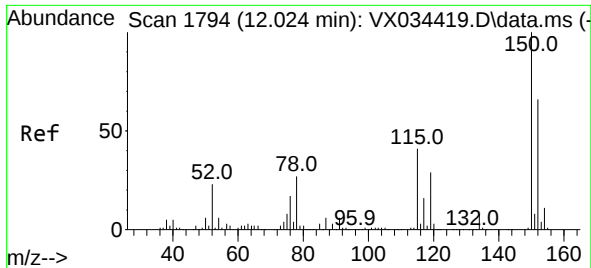
Tgt Ion: 95 Resp: 220651  
Ion Ratio Lower Upper  
95 100  
174 70.5 0.0 147.4  
176 67.2 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX034552.D  
Acq: 16 Mar 2023 17:45

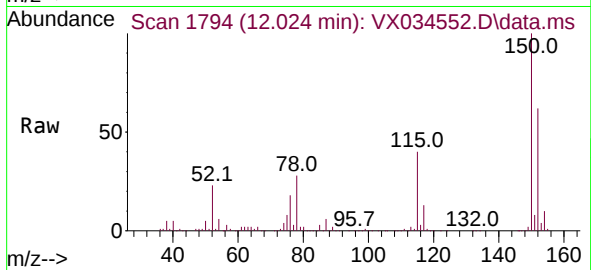
Tgt Ion: 117 Resp: 402262  
Ion Ratio Lower Upper  
117 100  
82 59.3 45.0 67.4  
119 31.6 26.0 39.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX034552.D  
 Acq: 16 Mar 2023 17:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW8-MW01D3-20230312



Tgt Ion:152 Resp: 172130  
 Ion Ratio Lower Upper  
 152 100  
 115 64.4 45.0 135.0  
 150 158.2 0.0 352.4

