

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031924\  
 Data File : VX040714.D  
 Acq On : 19 Mar 2024 11:44  
 Operator : JC/MD  
 Sample : P1788-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PEZOMETER-206

Quant Time: Mar 20 04:33:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Mar 05 13:21:29 2024  
 Response via : Initial Calibration

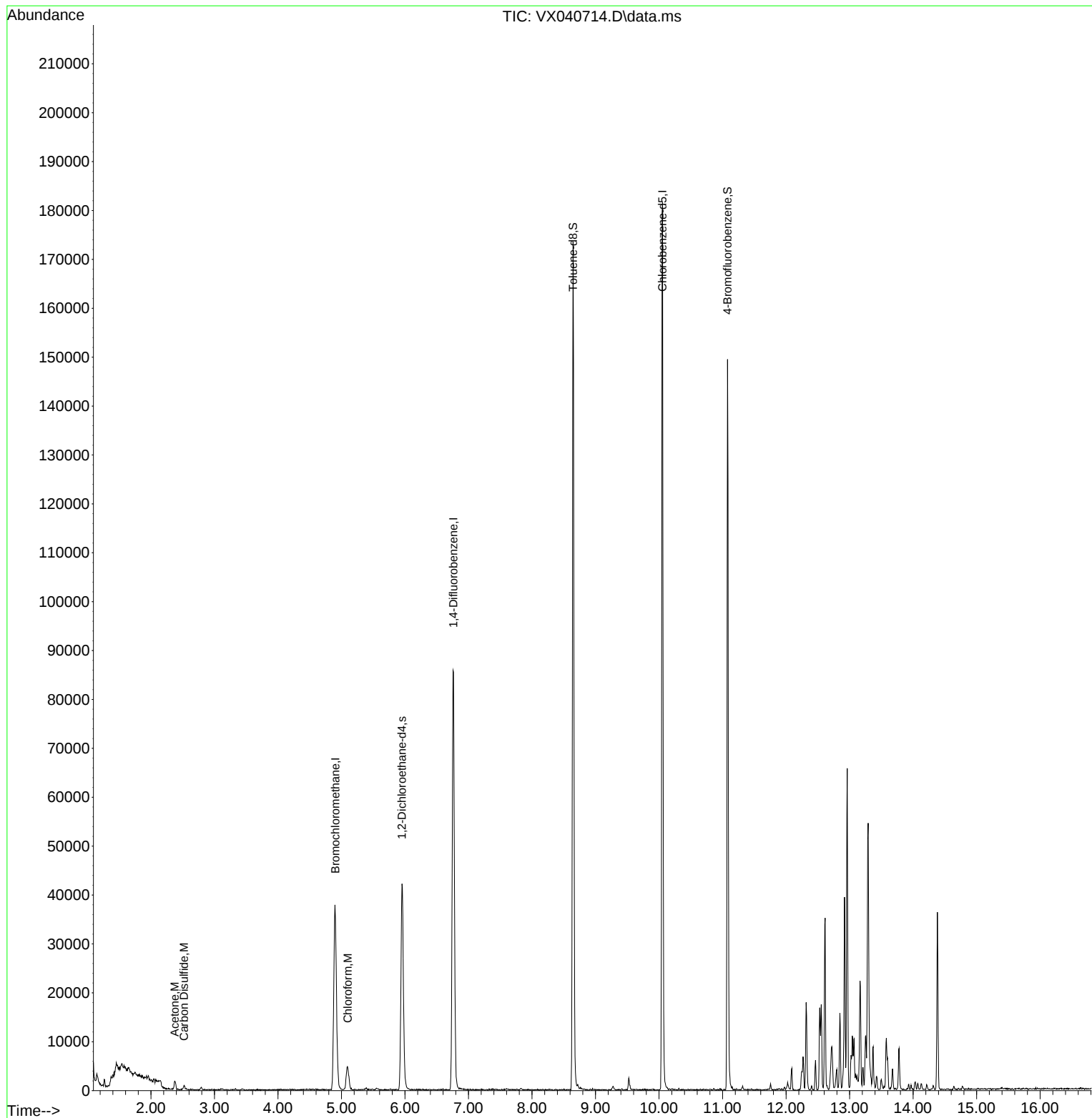
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.903  | 128   | 15208    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 82463    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 77987    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.952  | 65    | 44588    | 29.356   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 97.867%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 38170    | 28.534   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 95.100%  |
| 63) Toluene-d8              | 8.647  | 98    | 99585    | 28.895   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 96.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.373  | 58    | 685      | 4.074    | ug/l # | 64       |
| 16) Carbon Disulfide        | 2.520  | 76    | 550      | 0.221    | ug/l   | 95       |
| 25) Chloroform              | 5.099  | 83    | 5825     | 2.763    | ug/l   | 84       |
| -----                       |        |       |          |          |        |          |

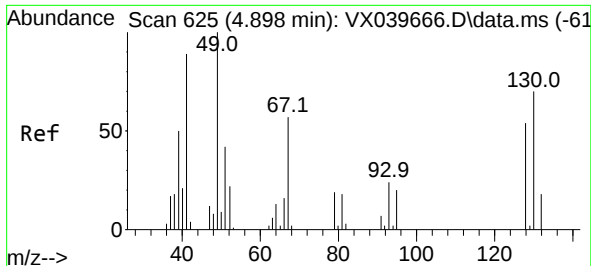
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Mar 05 13:21:29 2024  
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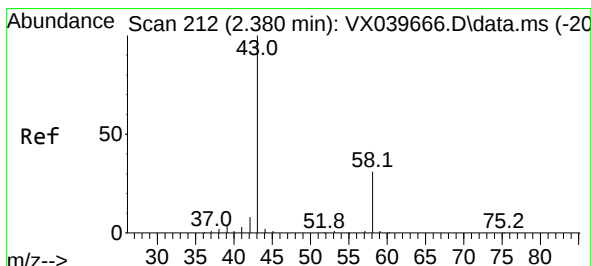
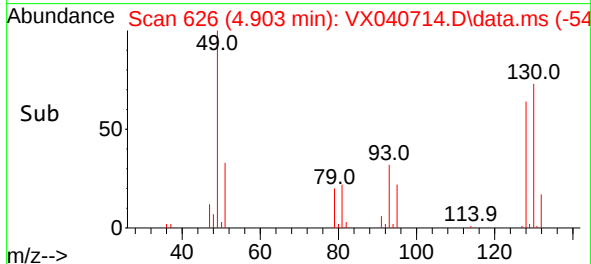
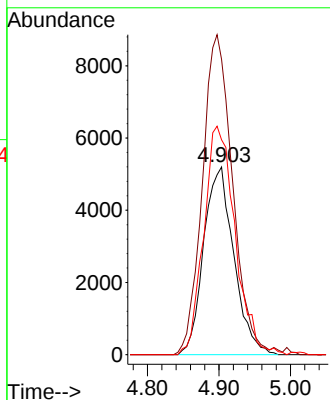
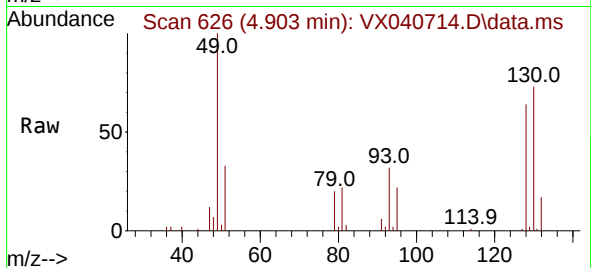




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: VX040714.D  
Acq: 19 Mar 2024 11:44

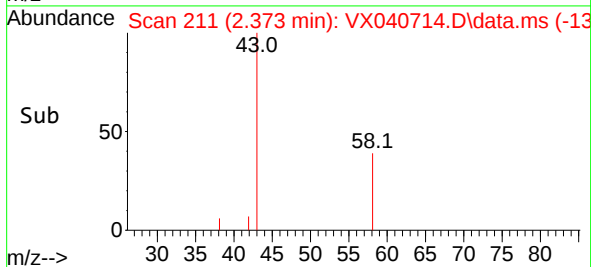
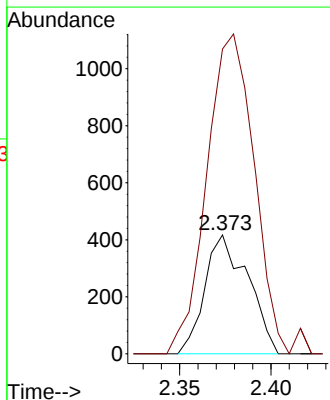
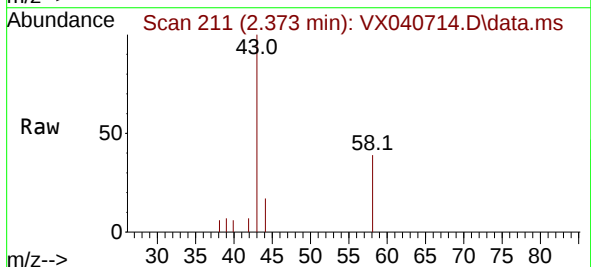
Instrument :  
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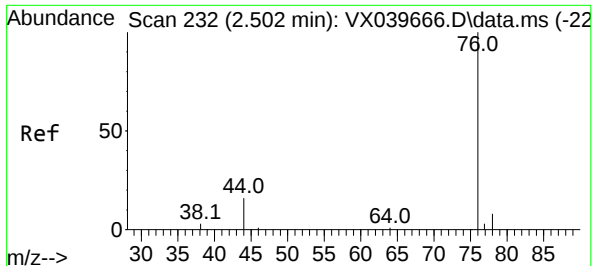
Tgt Ion:128 Resp: 15208  
Ion Ratio Lower Upper  
128 100  
49 170.8 0.0 444.0  
130 126.0 0.0 297.8



#15  
Acetone  
Concen: 4.074 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.007 min  
Lab File: VX040714.D  
Acq: 19 Mar 2024 11:44

Tgt Ion: 58 Resp: 685  
Ion Ratio Lower Upper  
58 100  
43 239.1 249.9 374.9#

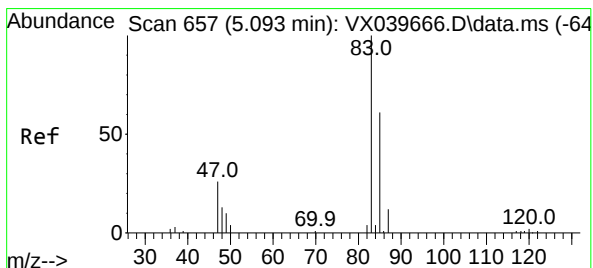
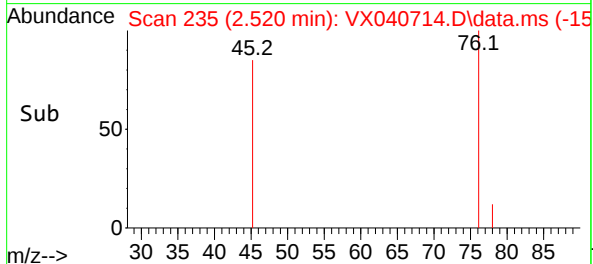
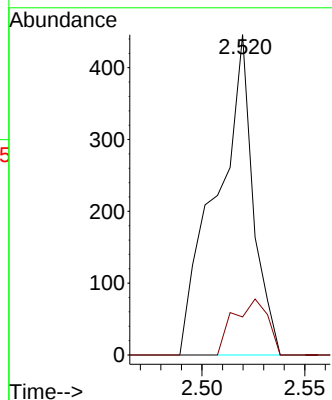
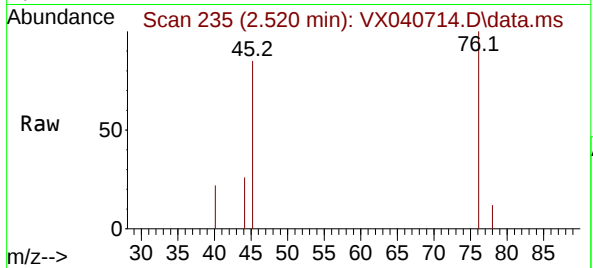




#16  
Carbon Disulfide  
Concen: 0.221 ug/l  
RT: 2.520 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: VX040714.D  
Acq: 19 Mar 2024 11:44

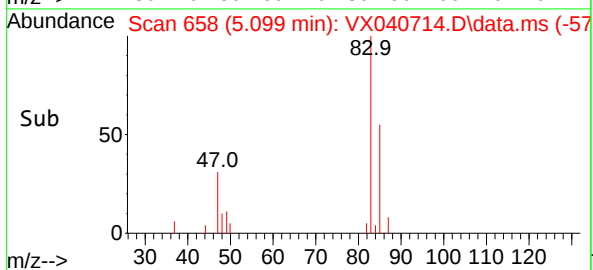
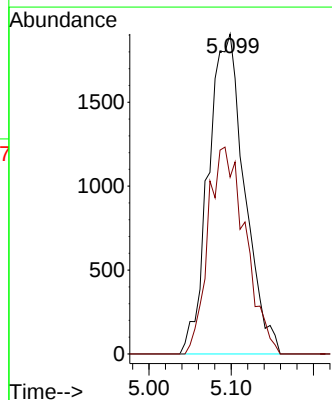
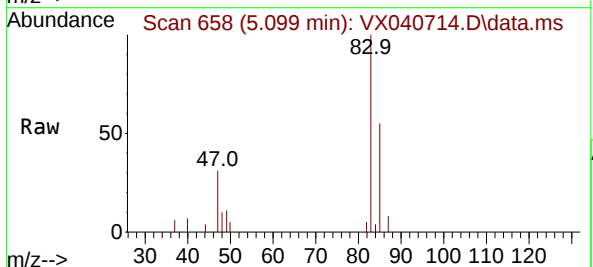
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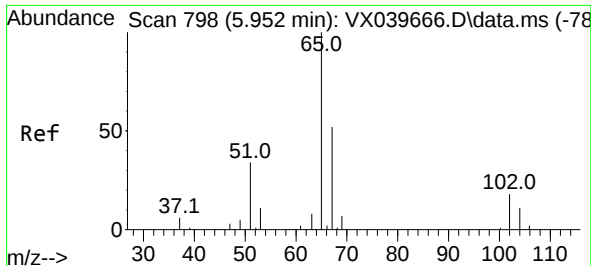
Tgt Ion: 76 Resp: 550  
Ion Ratio Lower Upper  
76 100  
78 11.9 8.0 12.0



#25  
Chloroform  
Concen: 2.763 ug/l  
RT: 5.099 min Scan# 658  
Delta R.T. 0.006 min  
Lab File: VX040714.D  
Acq: 19 Mar 2024 11:44

Tgt Ion: 83 Resp: 5825  
Ion Ratio Lower Upper  
83 100  
85 55.3 54.6 81.8

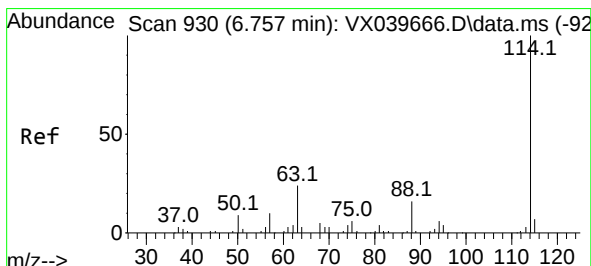
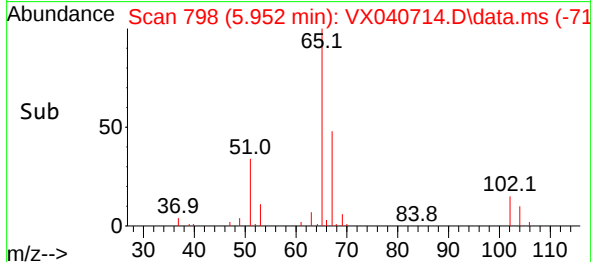
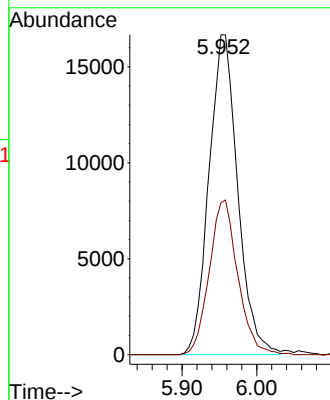
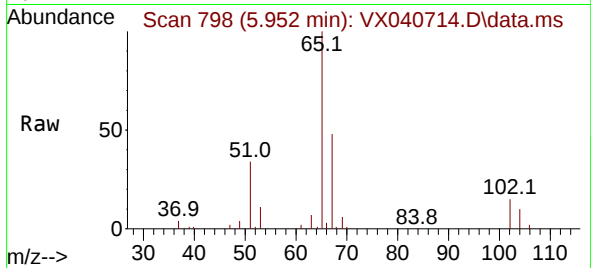




#27  
 1,2-Dichloroethane-d4  
 Concen: 29.356 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. 0.000 min  
 Lab File: VX040714.D  
 Acq: 19 Mar 2024 11:44

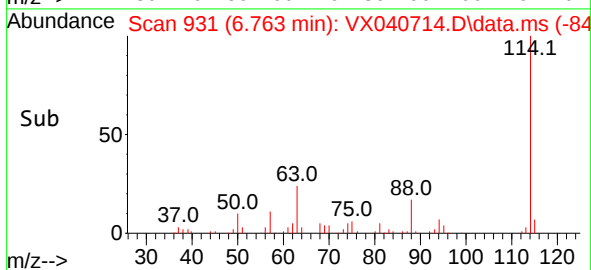
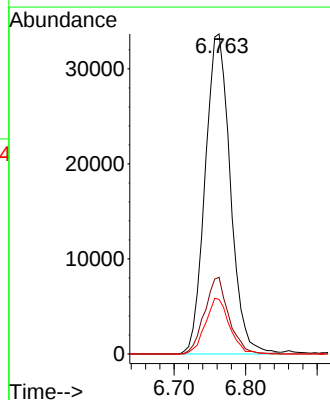
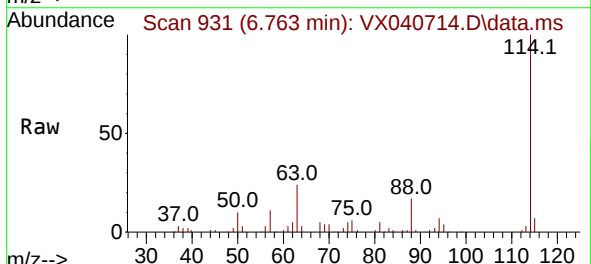
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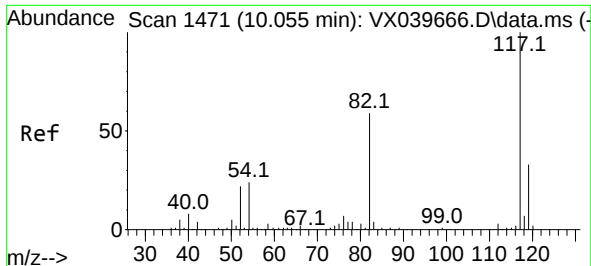
Tgt Ion: 65 Resp: 44588  
 Ion Ratio Lower Upper  
 65 100  
 67 47.9 42.5 63.7



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.006 min  
 Lab File: VX040714.D  
 Acq: 19 Mar 2024 11:44

Tgt Ion: 114 Resp: 82463  
 Ion Ratio Lower Upper  
 114 100  
 63 23.0 17.0 25.4  
 88 16.4 12.7 19.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

Instrument :

MSVOA\_X

ClientSampleId :

PEZOMETER-206

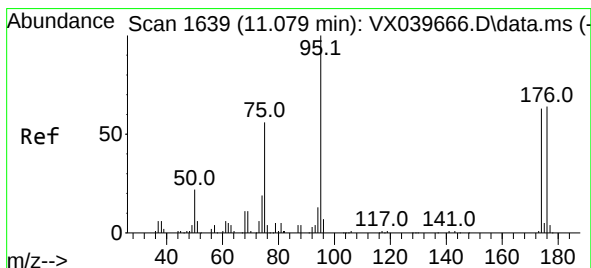
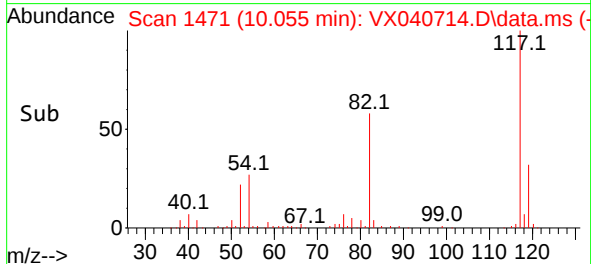
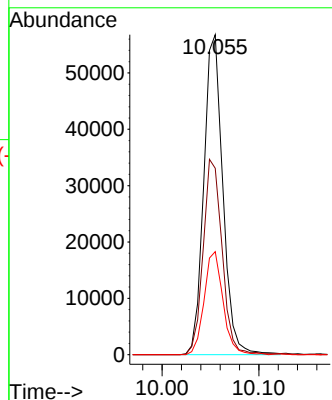
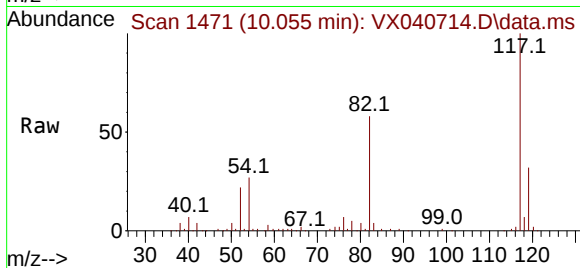
Tgt Ion:117 Resp: 77987

Ion Ratio Lower Upper

117 100

82 60.6 47.0 70.6

119 31.8 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 28.534 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

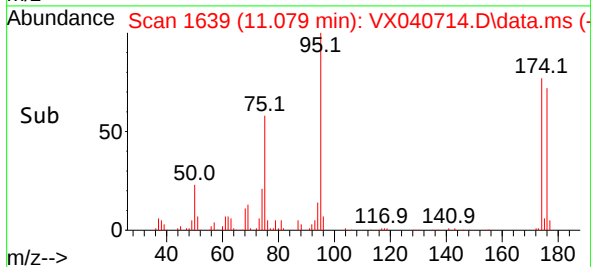
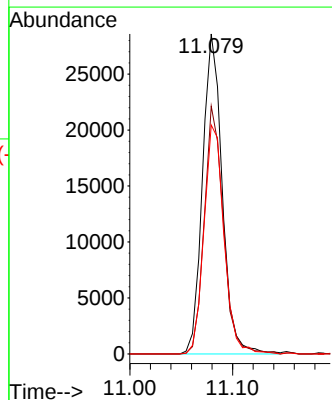
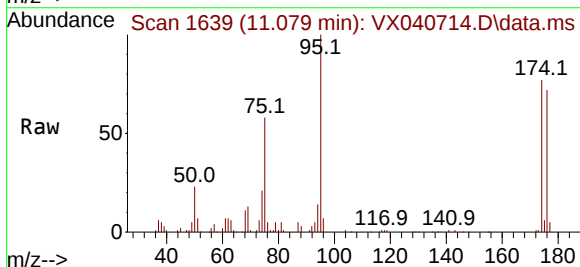
Tgt Ion: 95 Resp: 38170

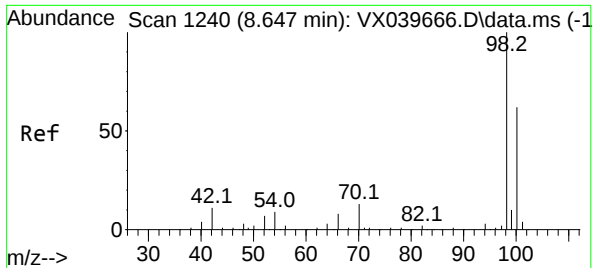
Ion Ratio Lower Upper

95 100

174 75.2 55.4 83.2

176 72.5 52.6 78.8





#63  
Toluene-d8  
Concen: 28.895 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040714.D  
Acq: 19 Mar 2024 11:44

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Tgt Ion: 98 Resp: 99585  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.0 76.4

