

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070324\  
 Data File : VX042170.D  
 Acq On : 03 Jul 2024 17:32  
 Operator : JC/MD  
 Sample : P3163-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TOWER-2

Quant Time: Jul 04 07:29:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

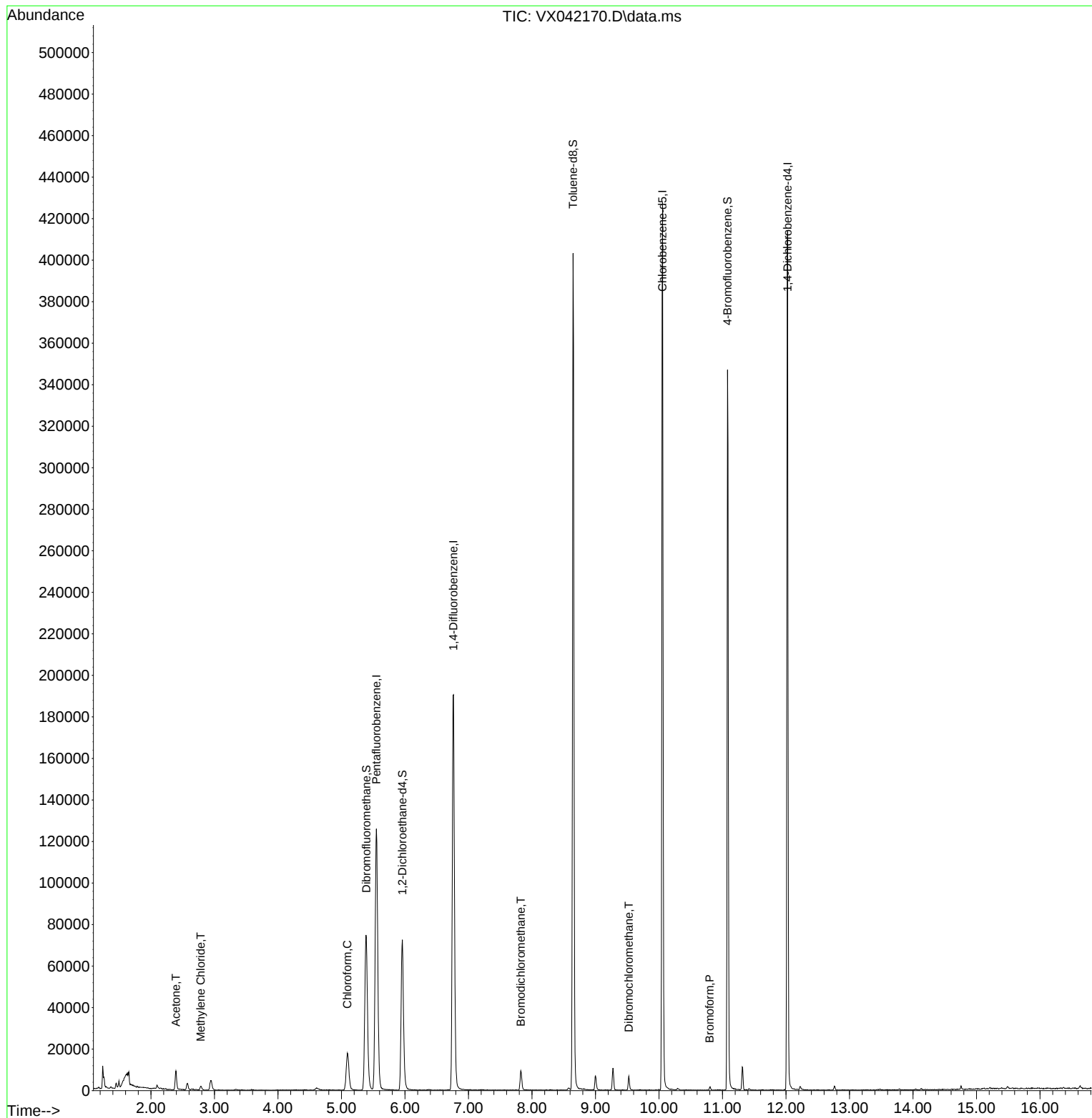
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 140807   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 218382   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 212972   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 101852   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 68633    | 42.270   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 84.540%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 67847    | 43.785   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 87.580%  |
| 50) Toluene-d8              | 8.647  | 98    | 252183   | 46.326   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 92.660%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 92849    | 46.271   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 92.540%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.392  | 43    | 9908     | 13.897   | ug/l   | # 83     |
| 20) Methylene Chloride      | 2.782  | 84    | 1165     | 0.746    | ug/l   | # 79     |
| 30) Chloroform              | 5.093  | 83    | 22896    | 9.639    | ug/l   | 97       |
| 47) Bromodichloromethane    | 7.824  | 83    | 6409     | 3.511    | ug/l   | # 86     |
| 60) Dibromochloromethane    | 9.525  | 129   | 3344     | 2.091    | ug/l   | 99       |
| 71) Bromoform               | 10.799 | 173   | 844      | 1.454    | ug/l   | # 93     |
| -----                       |        |       |          |          |        |          |

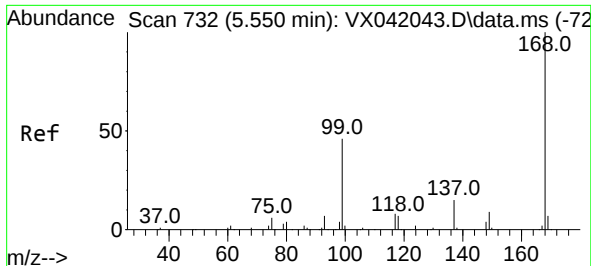
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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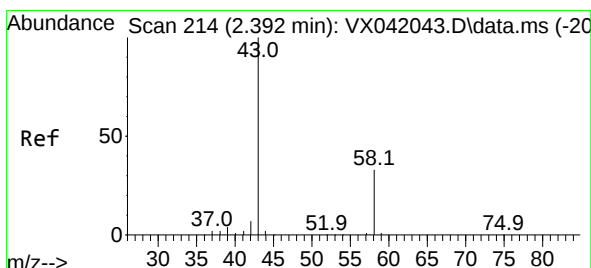
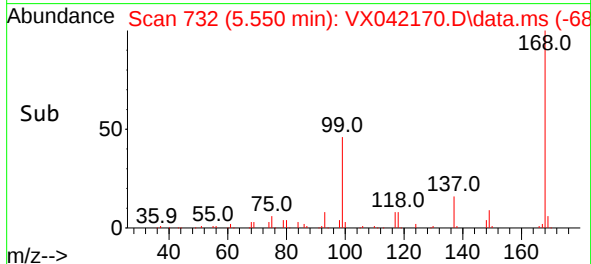
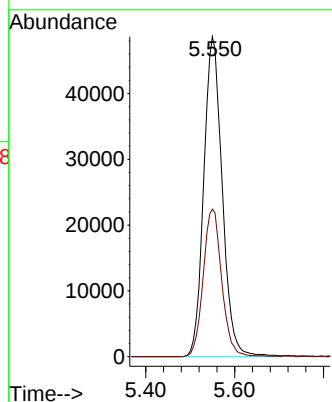
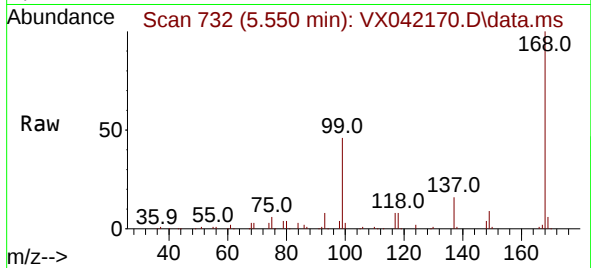




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

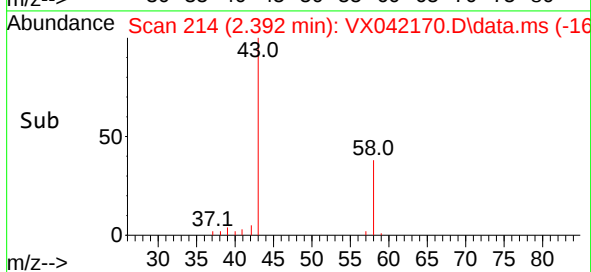
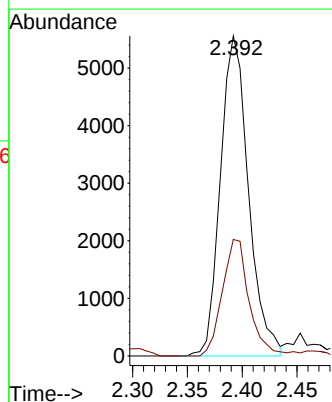
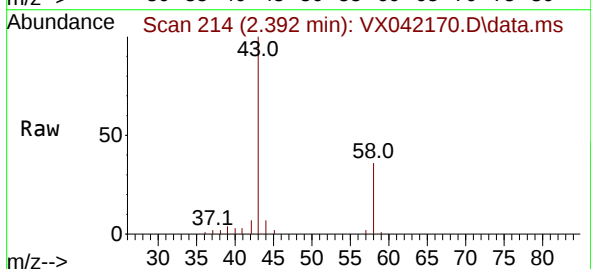
Instrument :  
MSVOA\_X  
ClientSampleId :  
TOWER-2

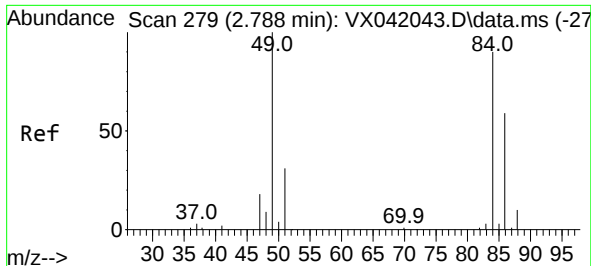
Tgt Ion:168 Resp: 140807  
Ion Ratio Lower Upper  
168 100  
99 46.1 56.6 85.0#



#16  
Acetone  
Concen: 13.897 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

Tgt Ion: 43 Resp: 9908  
Ion Ratio Lower Upper  
43 100  
58 36.4 21.9 32.9#

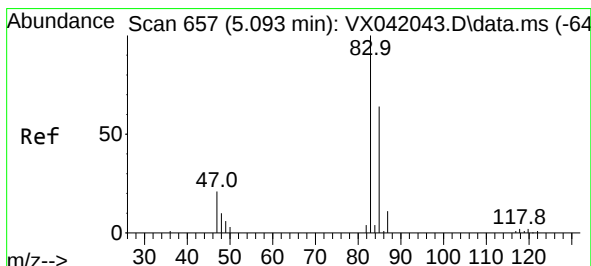
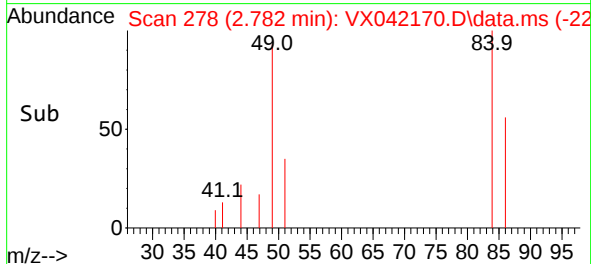
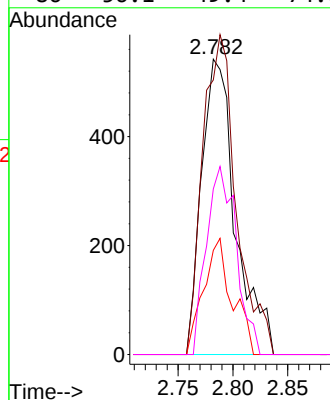
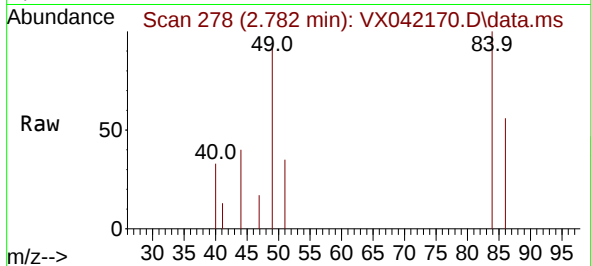




#20  
Methylene Chloride  
Concen: 0.746 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

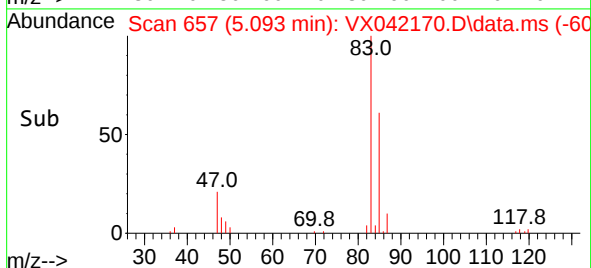
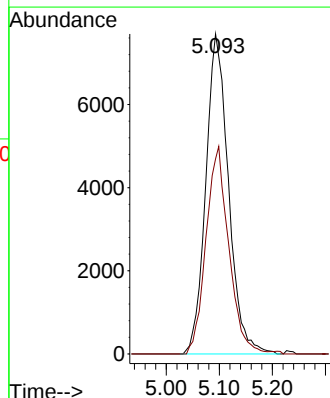
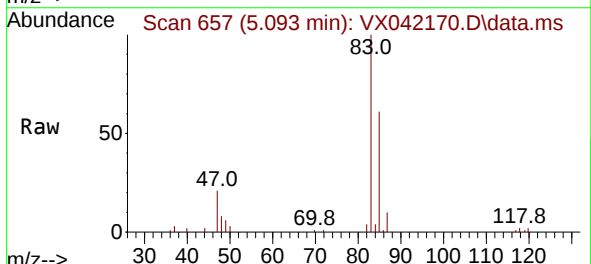
Instrument :  
MSVOA\_X  
ClientSampleId :  
TOWER-2

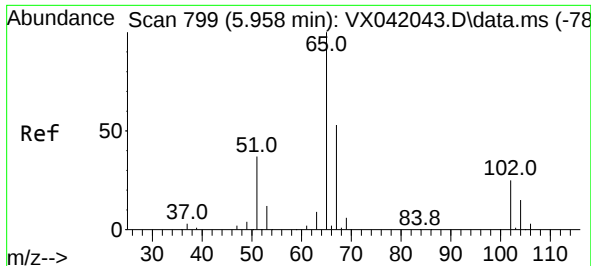
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 1165   |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 93.0     | 103.6 155.4# |
| 51 35.2     | 33.8 50.6    |
| 86 56.1     | 49.4 74.0    |



#30  
Chloroform  
Concen: 9.639 ug/l  
RT: 5.093 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 22896 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 60.9     | 50.3 75.5   |

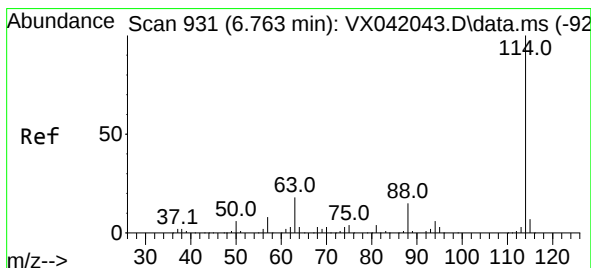
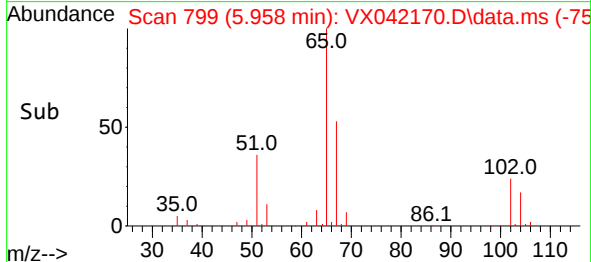
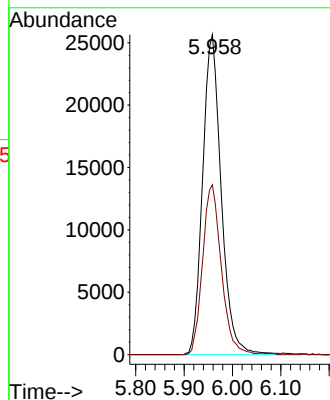
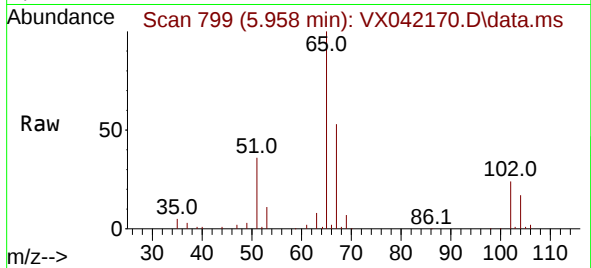




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.270 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX042170.D  
 Acq: 03 Jul 2024 17:32

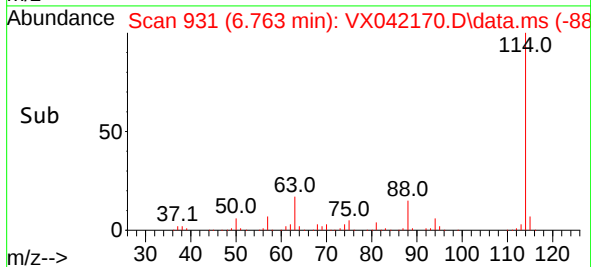
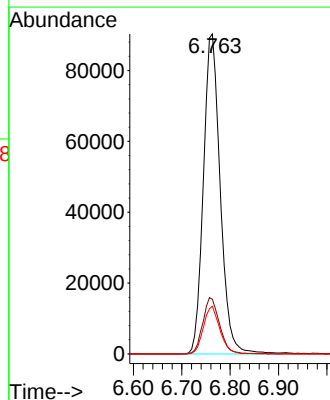
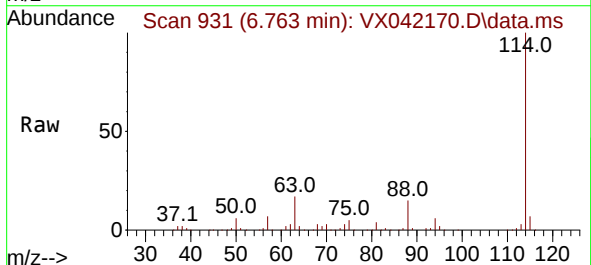
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TOWER-2

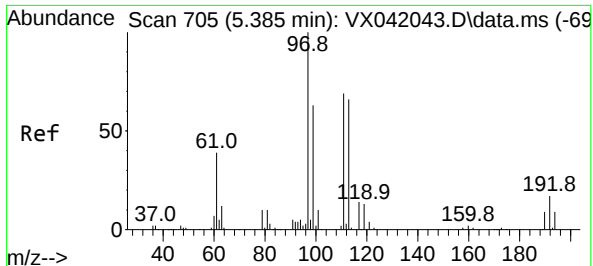
Tgt Ion: 65 Resp: 68633  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX042170.D  
 Acq: 03 Jul 2024 17:32

Tgt Ion: 114 Resp: 218382  
 Ion Ratio Lower Upper  
 114 100  
 63 17.1 0.0 45.0  
 88 14.9 0.0 36.6

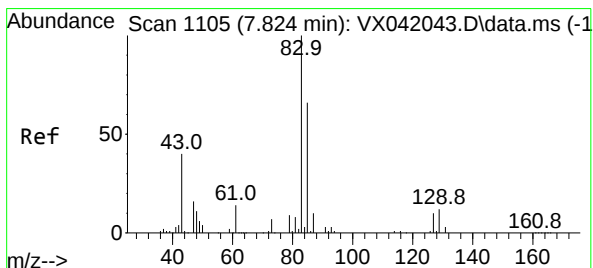
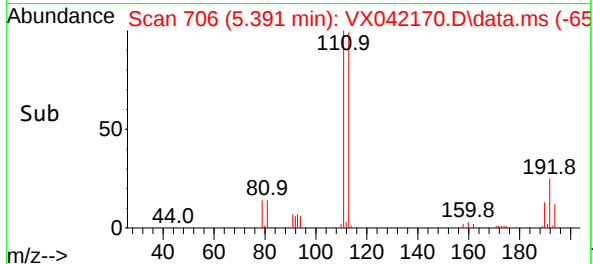
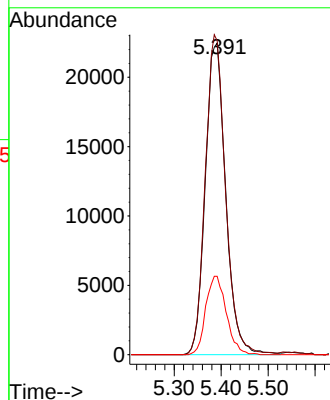
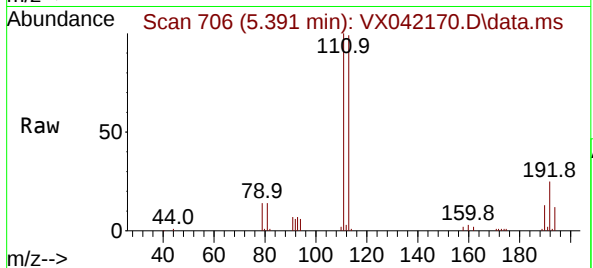




#35  
Dibromofluoromethane  
Concen: 43.785 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

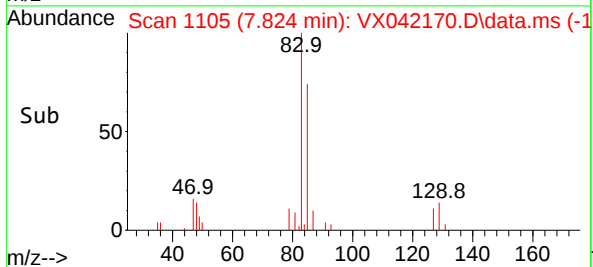
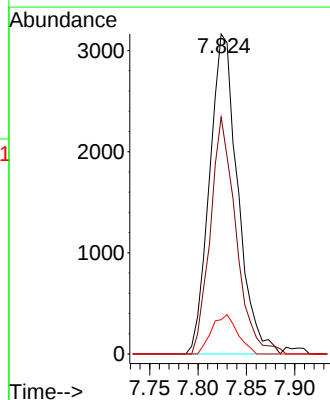
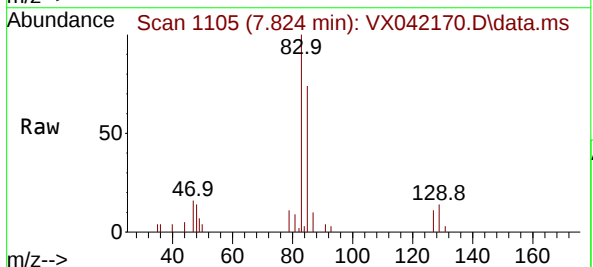
Instrument :  
MSVOA\_X  
ClientSampleId :  
TOWER-2

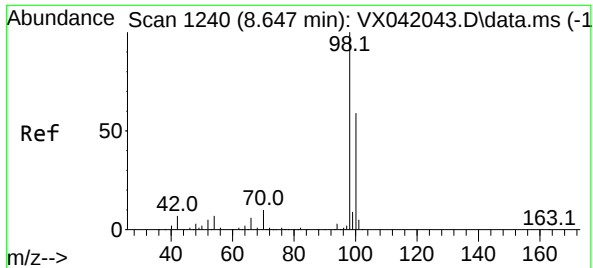
Tgt Ion:113 Resp: 67847  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.9 124.3  
192 25.2 13.3 19.9#



#47  
Bromodichloromethane  
Concen: 3.511 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

Tgt Ion: 83 Resp: 6409  
Ion Ratio Lower Upper  
83 100  
85 74.0 49.8 74.6  
127 10.7 7.1 10.7#

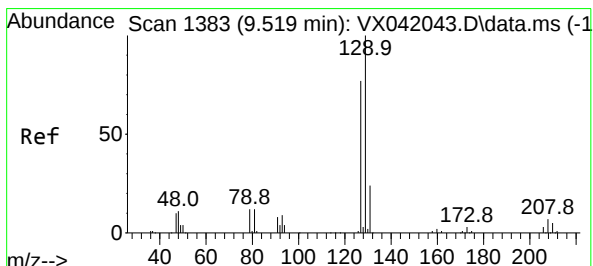
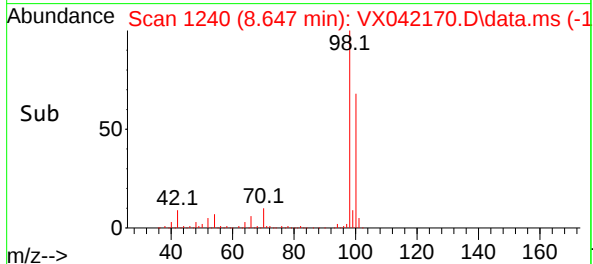
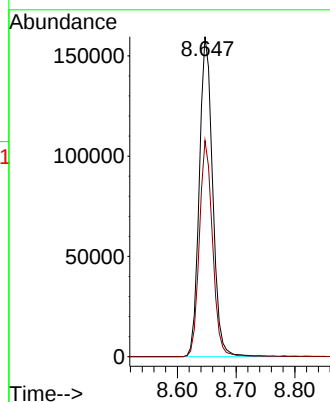
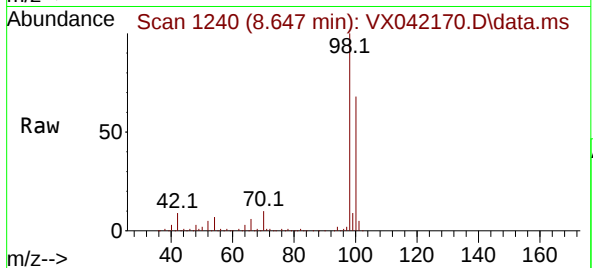




#50  
Toluene-d8  
Concen: 46.326 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

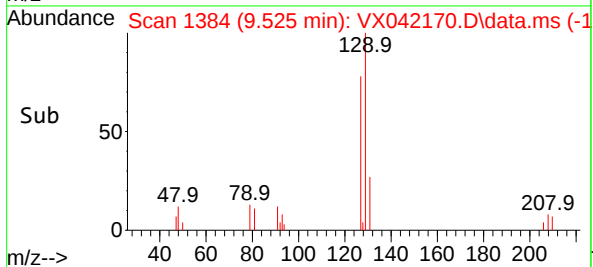
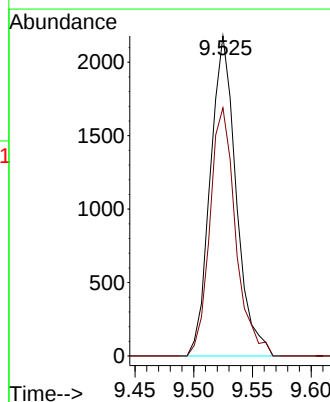
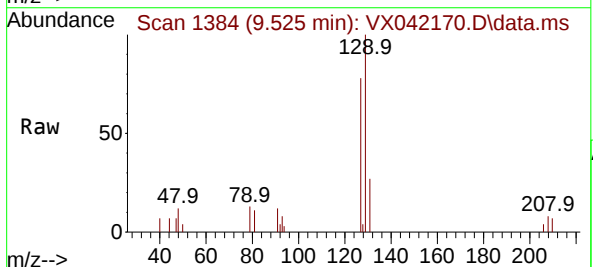
Instrument :  
MSVOA\_X  
ClientSampleId :  
TOWER-2

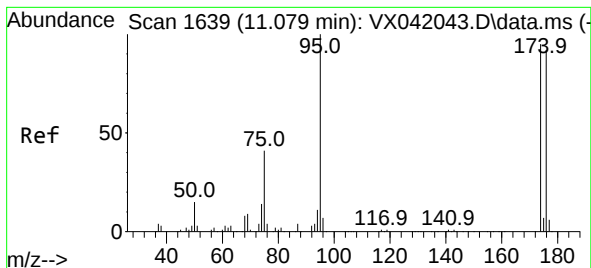
Tgt Ion: 98 Resp: 252183  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.1 79.7



#60  
Dibromochloromethane  
Concen: 2.091 ug/l  
RT: 9.525 min Scan# 1384  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

Tgt Ion: 129 Resp: 3344  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.8 116.4

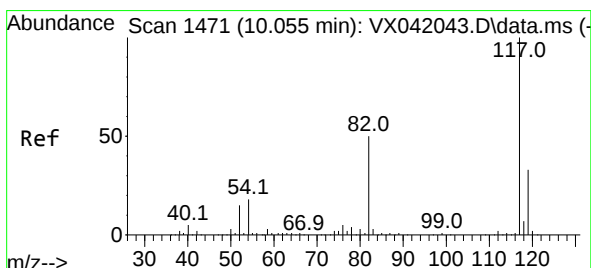
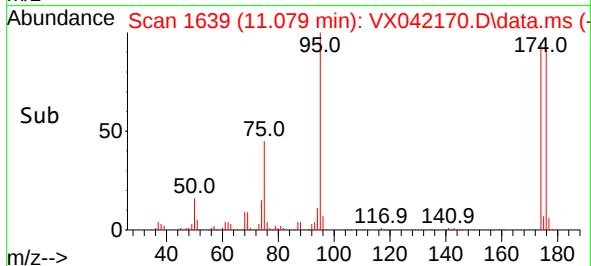
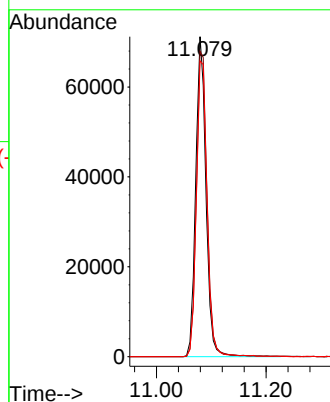
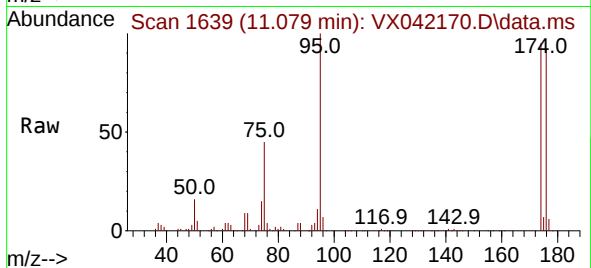




#62  
4-Bromofluorobenzene  
Concen: 46.271 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

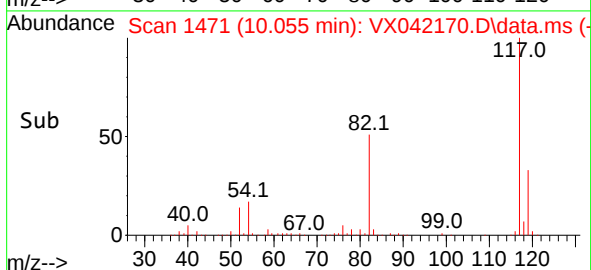
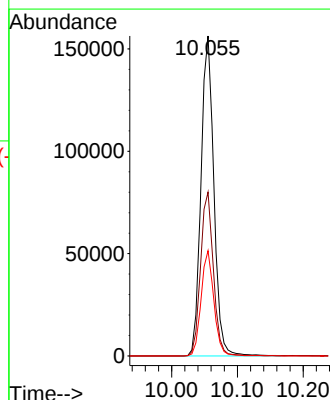
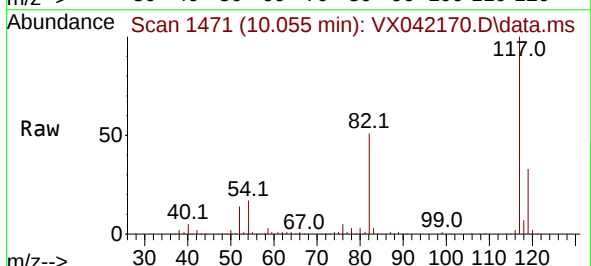
Instrument :  
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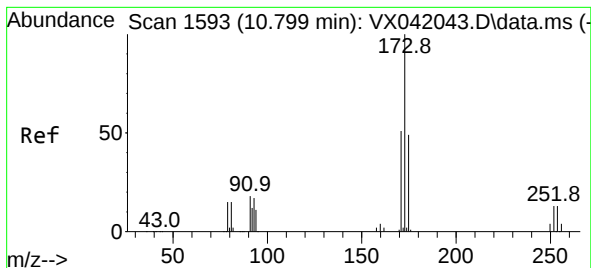
Tgt Ion: 95 Resp: 92849  
Ion Ratio Lower Upper  
95 100  
174 99.8 0.0 135.6  
176 96.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042170.D  
Acq: 03 Jul 2024 17:32

Tgt Ion: 117 Resp: 212972  
Ion Ratio Lower Upper  
117 100  
82 51.2 46.2 69.4  
119 32.9 25.5 38.3





#71

Bromoform

Concen: 1.454 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042170.D

Acq: 03 Jul 2024 17:32

Instrument :

MSVOA\_X

ClientSampleId :

TOWER-2

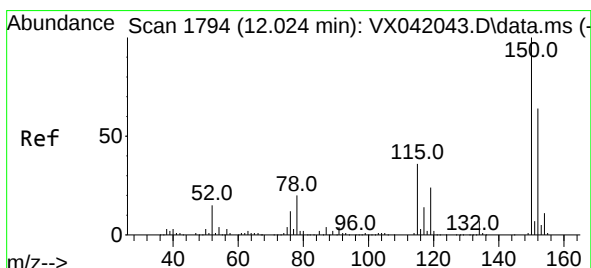
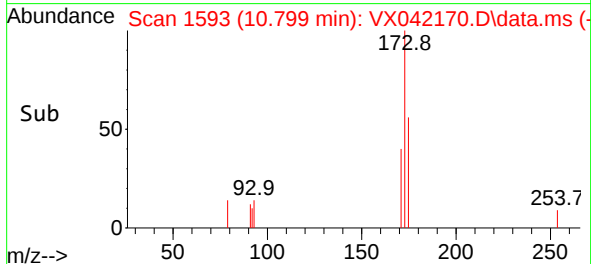
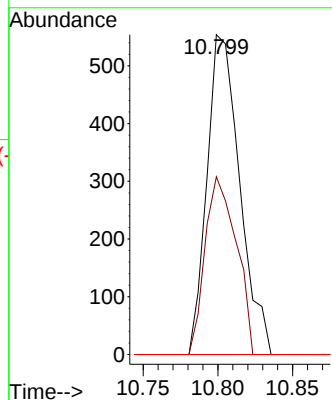
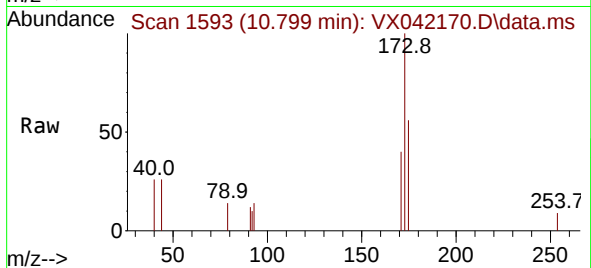
Tgt Ion:173 Resp: 844

Ion Ratio Lower Upper

173 100

175 53.0 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042170.D

Acq: 03 Jul 2024 17:32

Tgt Ion:152 Resp: 101852

Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 155.4 0.0 345.0

