

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022124\  
 Data File : VX040377.D  
 Acq On : 21 Feb 2024 13:34  
 Operator : JC/MD  
 Sample : P1520-06RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW178I-20240215

Quant Time: Feb 22 01:07:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

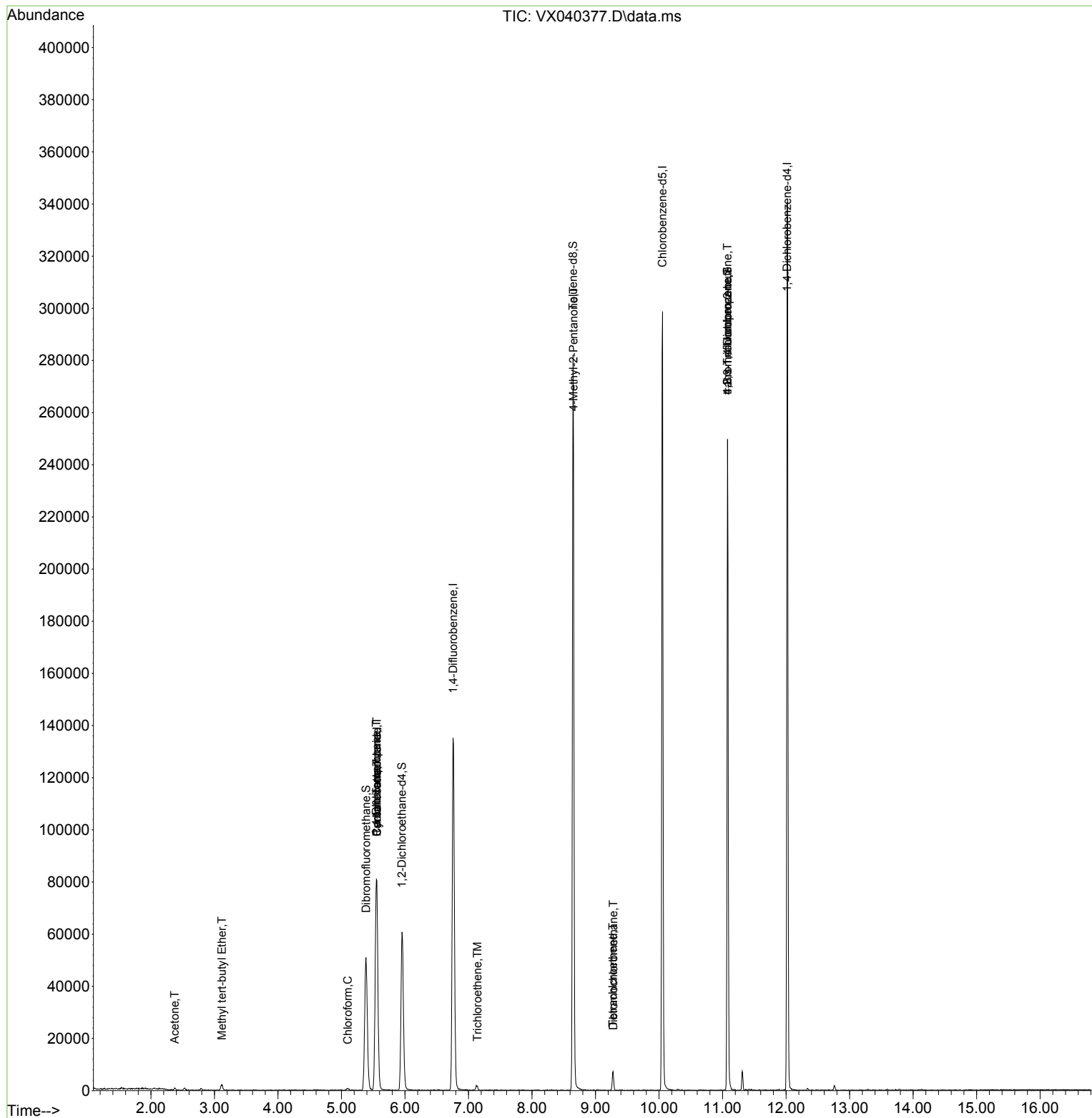
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 75538    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 134968   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 129729   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152   | 65859    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 59705    | 53.129    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | = 106.260% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 43815    | 46.486    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 92.980%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 163574   | 46.394    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | = 92.780%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 64646    | 44.957    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 89.920%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 2.373     | 43    | 923      | 2.000     | ug/l #     | 77       |
| 19) Methyl tert-butyl Ether   | 3.117     | 73    | 2497     | 0.919     | ug/l       | 93       |
| 20) Methylene Chloride        | 2.788     | 84    | 317      | Below Cal | #          | 88       |
| 30) Chloroform                | 5.099     | 83    | 613      | 0.359     | ug/l       | 99       |
| 31) Cyclohexane               | 5.556     | 56    | 2013     | 1.502     | ug/l #     | 47       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 6857     | 5.193     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 7925     | 6.313     | ug/l #     | 14       |
| 44) Trichloroethene           | 7.141     | 130   | 838      | 0.823     | ug/l       | 51       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 916      | 0.585     | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.281     | 129   | 397      | 0.378     | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275     | 164   | 356      | 0.392     | ug/l #     | 76       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 35983    | 26.980    | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 35983    | 73.935    | ug/l #     | 5        |
| -----                         |           |       |          |           |            |          |

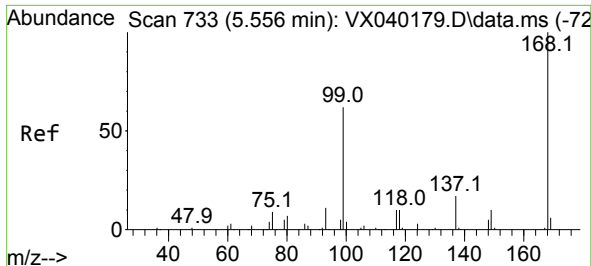
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022124\  
Data File : VX040377.D  
Acq On : 21 Feb 2024 13:34  
Operator : JC/MD  
Sample : P1520-06RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

Quant Time: Feb 22 01:07:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

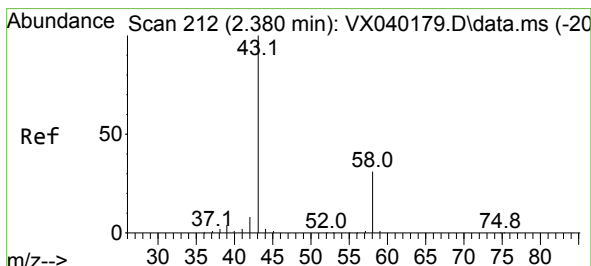
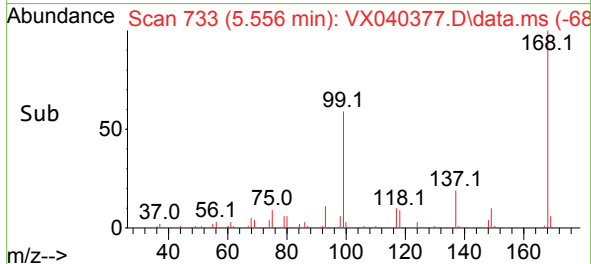
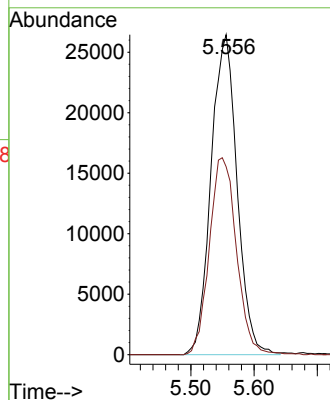
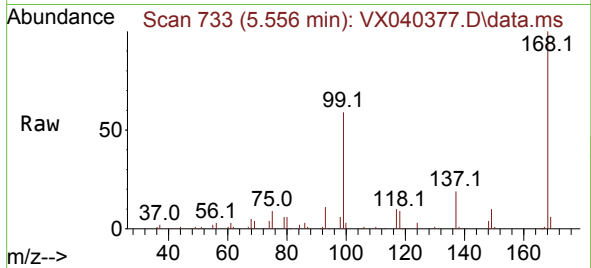




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

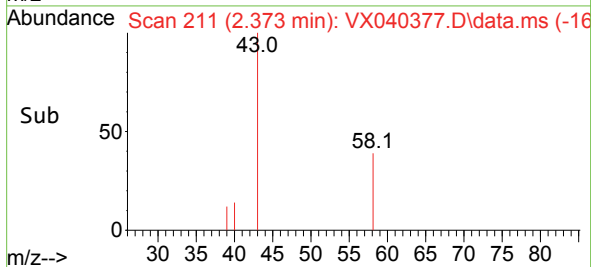
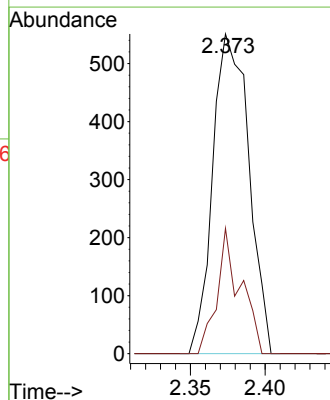
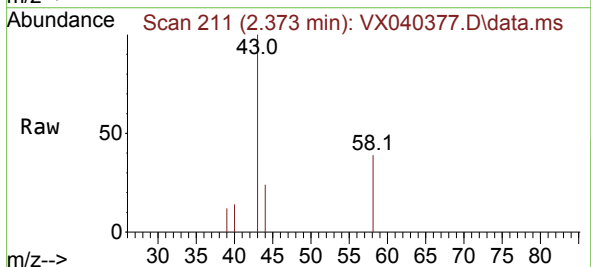
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

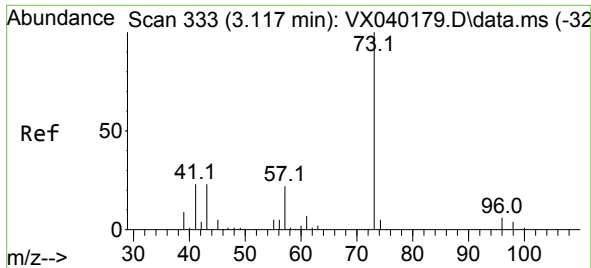
Tgt Ion:168 Resp: 75538  
Ion Ratio Lower Upper  
168 100  
99 58.7 56.6 85.0



#16  
Acetone  
Concen: 2.000 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 43 Resp: 923  
Ion Ratio Lower Upper  
43 100  
58 39.2 21.9 32.9#

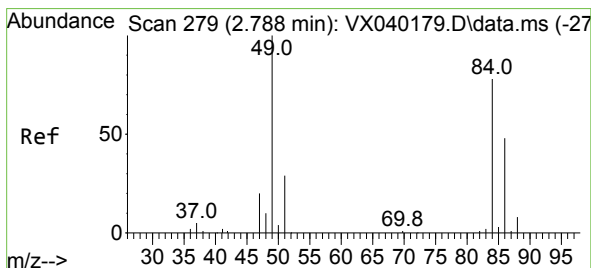
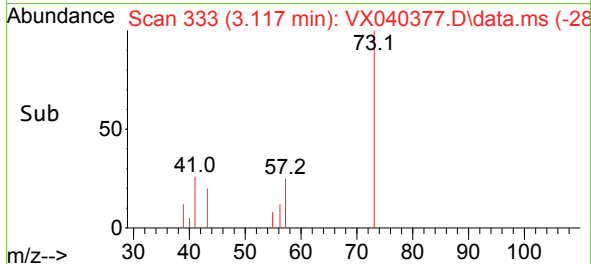
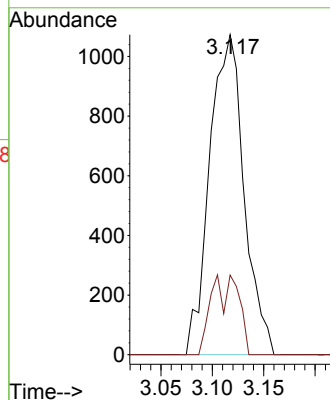
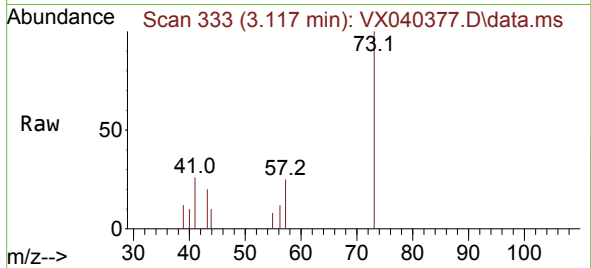




#19  
Methyl tert-butyl Ether  
Concen: 0.919 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

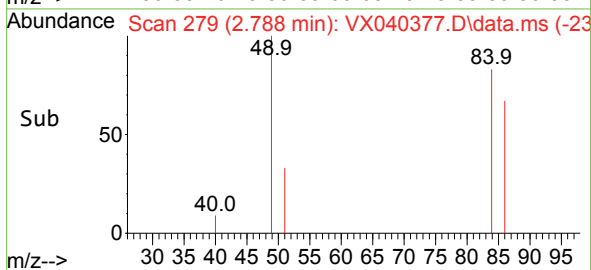
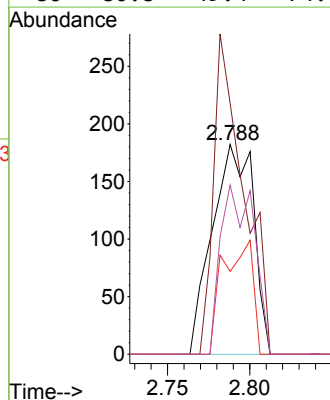
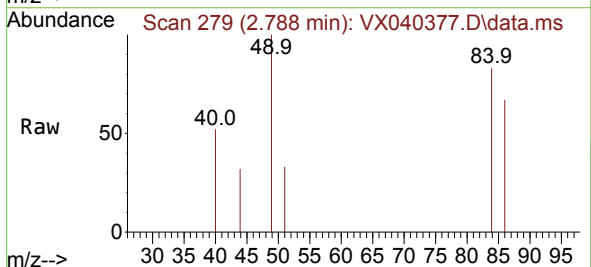
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

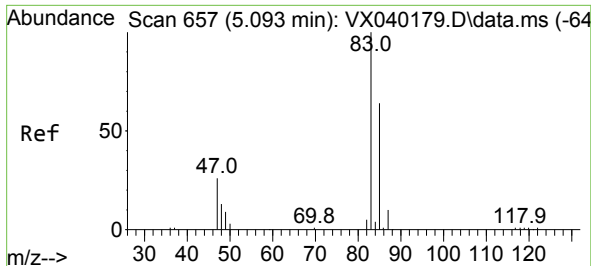
Tgt Ion: 73 Resp: 2497  
Ion Ratio Lower Upper  
73 100  
57 24.9 17.3 25.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 84 Resp: 317  
Ion Ratio Lower Upper  
84 100  
49 119.8 103.6 155.4  
51 39.6 33.8 50.6  
86 80.8 49.4 74.0#

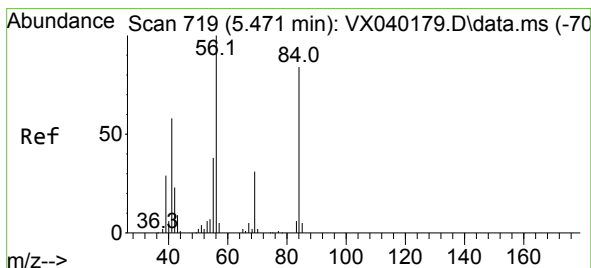
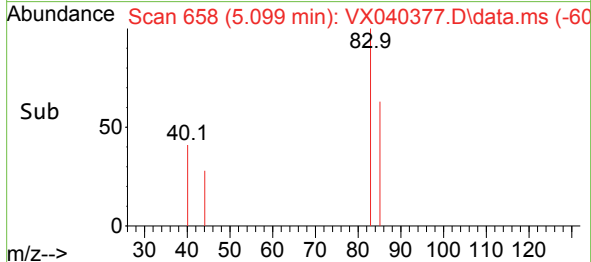
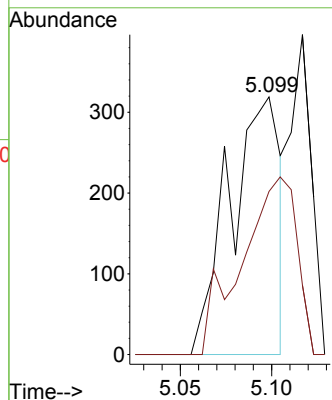
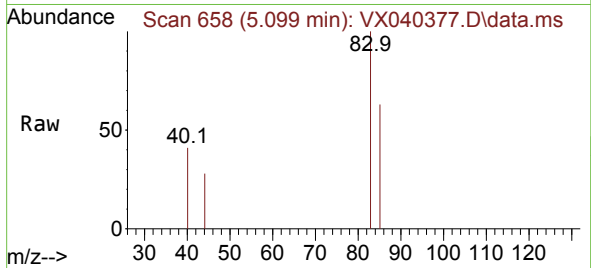




#30  
Chloroform  
Concen: 0.359 ug/l  
RT: 5.099 min Scan# 613  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

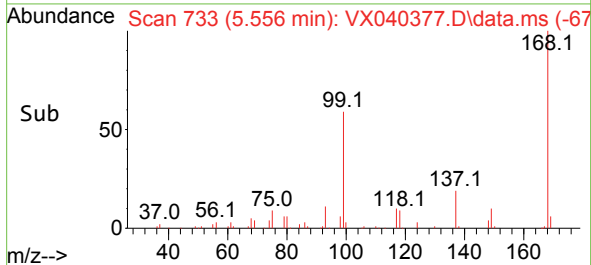
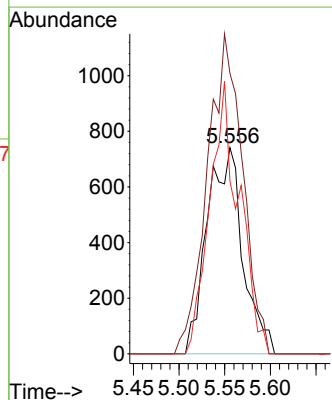
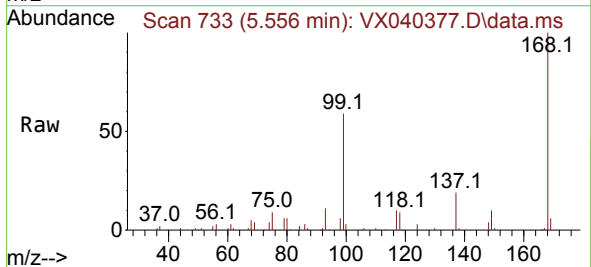
Instrument :  
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ClientSampleId :  
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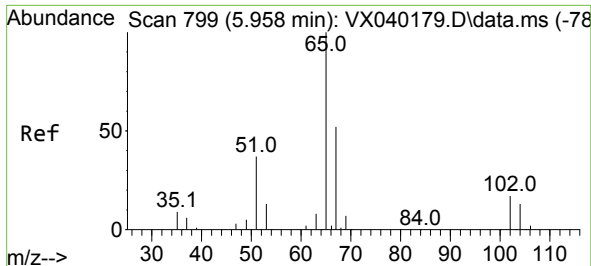
Tgt Ion: 83 Resp: 613  
Ion Ratio Lower Upper  
83 100  
85 63.3 50.3 75.5



#31  
Cyclohexane  
Concen: 1.502 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 56 Resp: 2013  
Ion Ratio Lower Upper  
56 100  
69 136.0 23.4 35.2#  
84 83.8 65.9 98.9

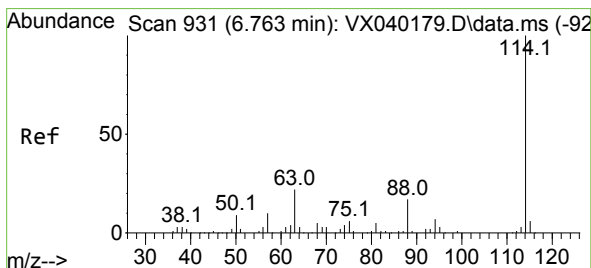
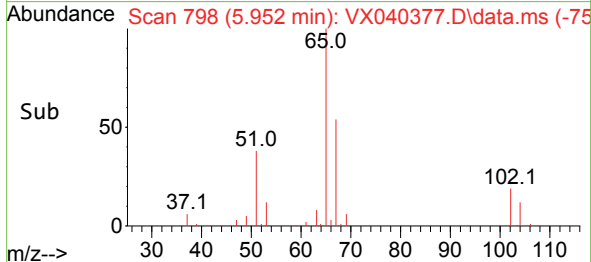
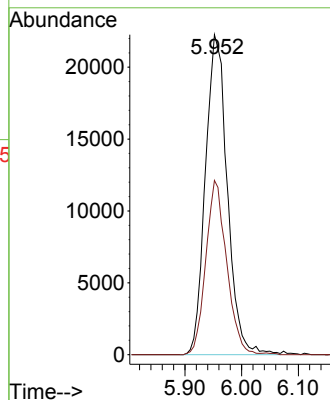
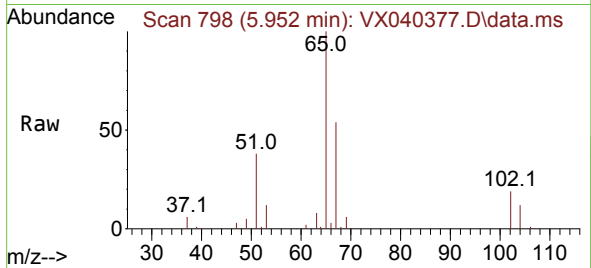




#33  
1,2-Dichloroethane-d4  
Concen: 53.129 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

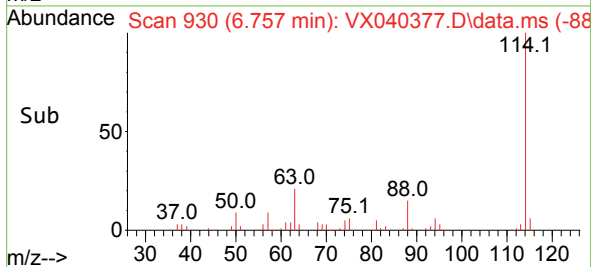
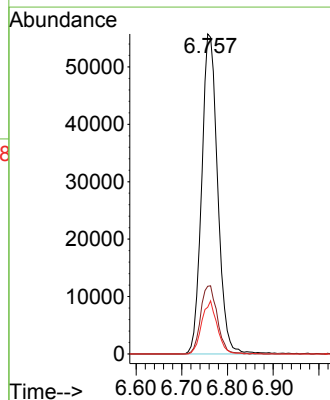
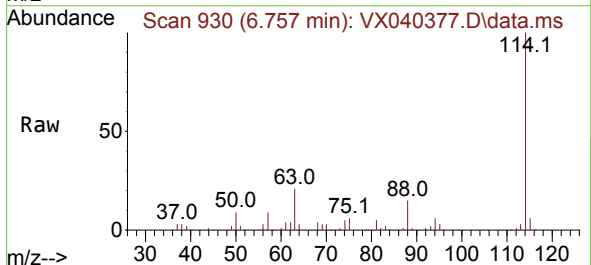
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MW178I-20240215

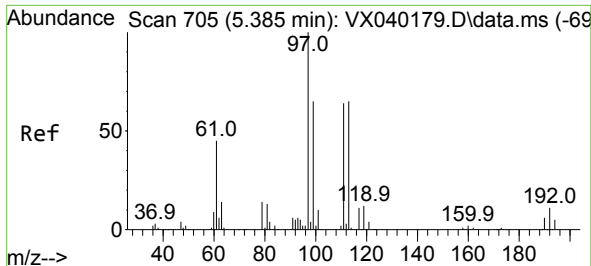
Tgt Ion: 65 Resp: 59705  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 114 Resp: 134968  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 45.0  
88 14.6 0.0 36.6

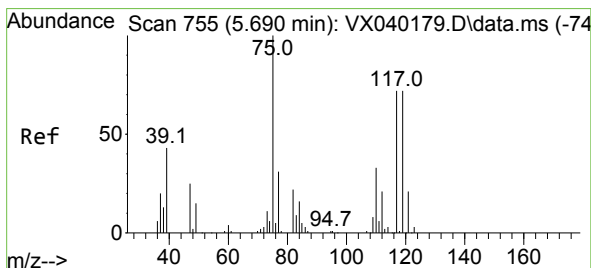
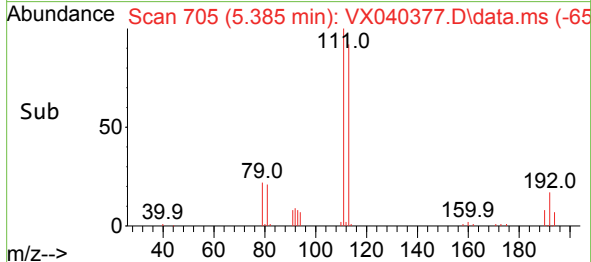
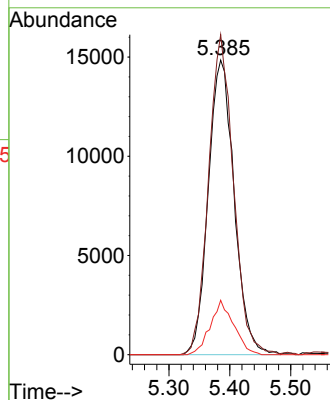
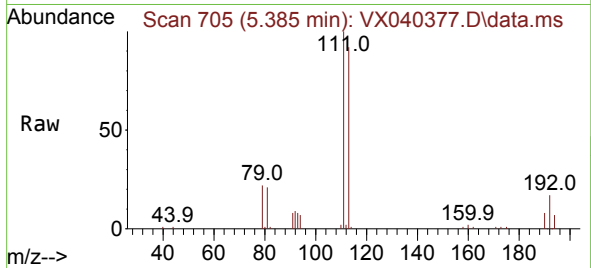




#35  
Dibromofluoromethane  
Concen: 46.486 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

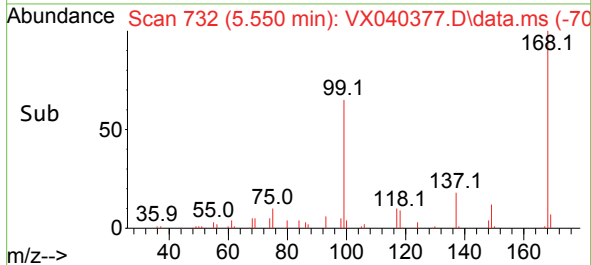
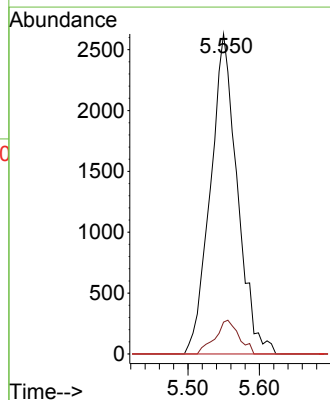
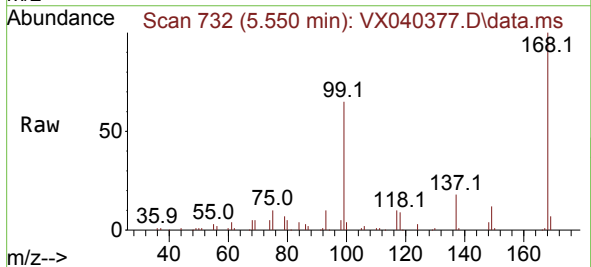
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MSVOA\_X  
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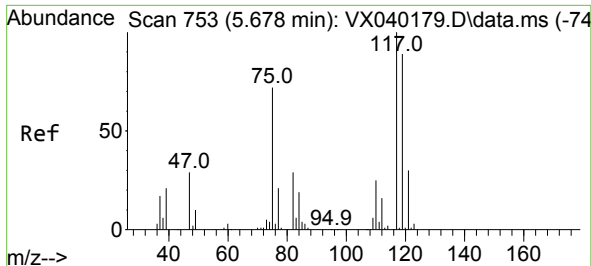
Tgt Ion:113 Resp: 43815  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.9 124.3  
192 16.7 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.193 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

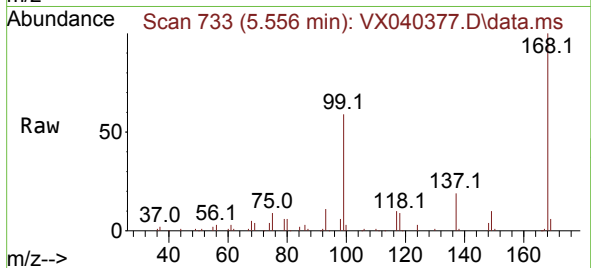
Tgt Ion: 75 Resp: 6857  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.0 50.9#  
77 0.0 24.7 37.1#



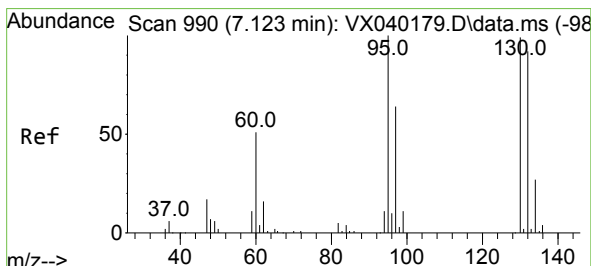
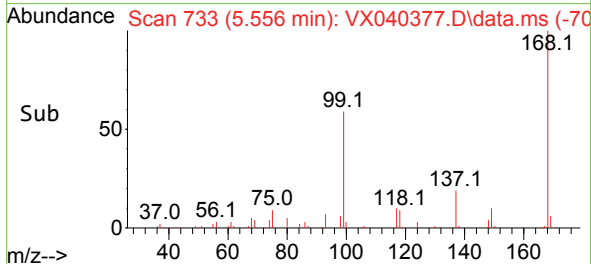
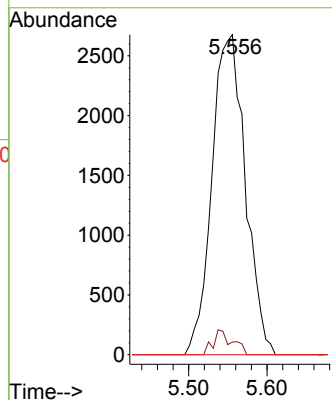


#38  
Carbon Tetrachloride  
Concen: 6.313 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.116 min  
Lab File: VX040377.D  
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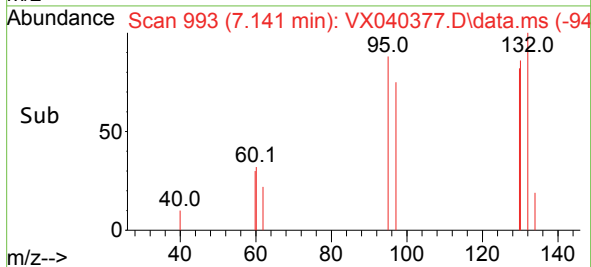
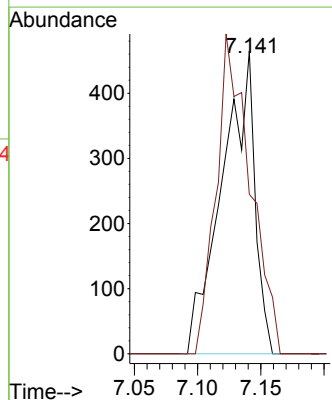
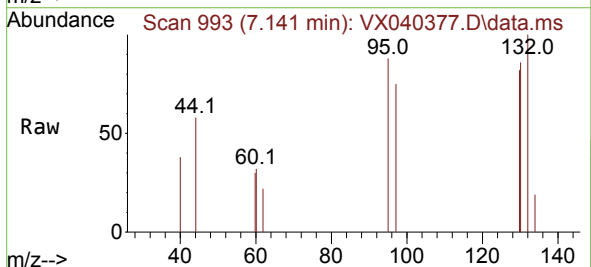


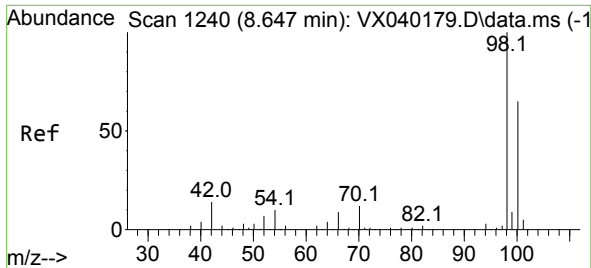
Tgt Ion:117 Resp: 7925  
Ion Ratio Lower Upper  
117 100  
119 4.0 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 0.823 ug/l  
RT: 7.141 min Scan# 993  
Delta R.T. 0.012 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion:130 Resp: 838  
Ion Ratio Lower Upper  
130 100  
95 52.7 0.0 204.4

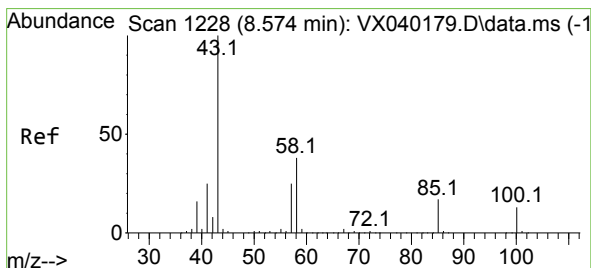
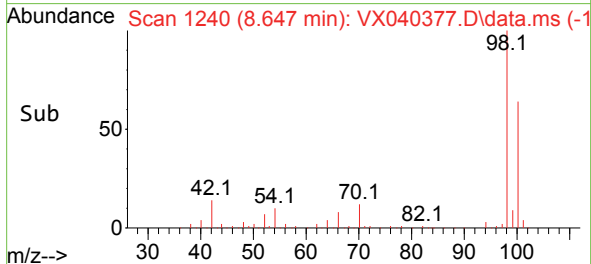
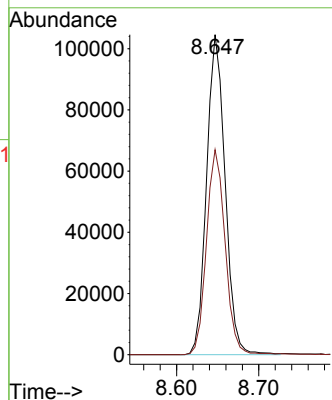
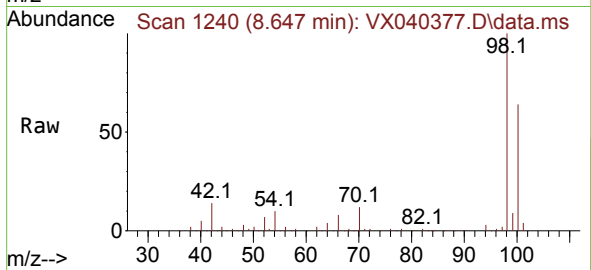




#50  
Toluene-d8  
Concen: 46.394 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

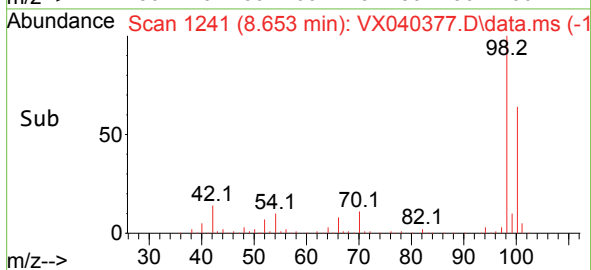
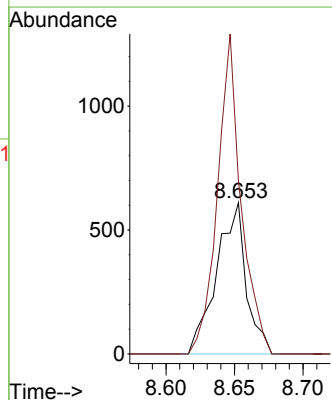
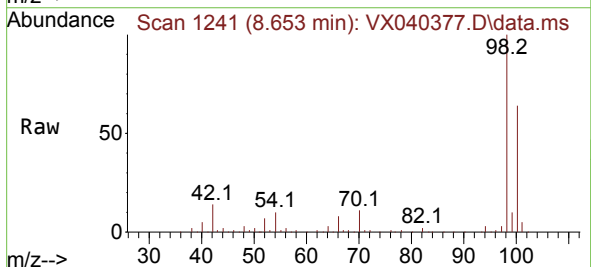
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

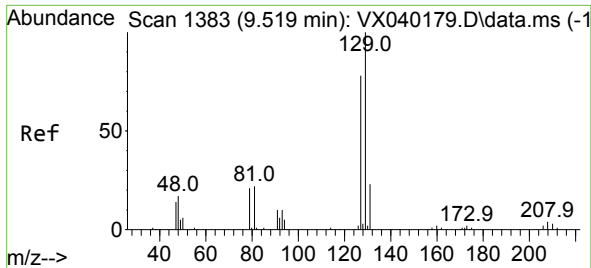
Tgt Ion: 98 Resp: 163574  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.585 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 43 Resp: 916  
Ion Ratio Lower Upper  
43 100  
58 169.2 30.4 45.6#

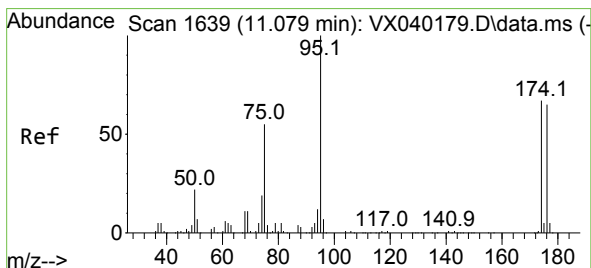
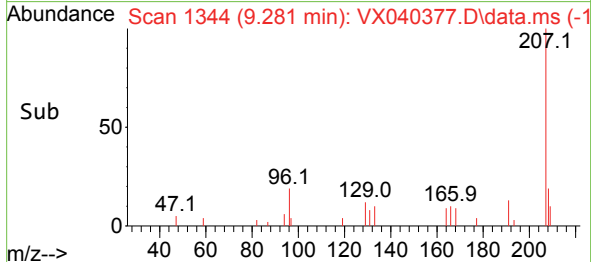
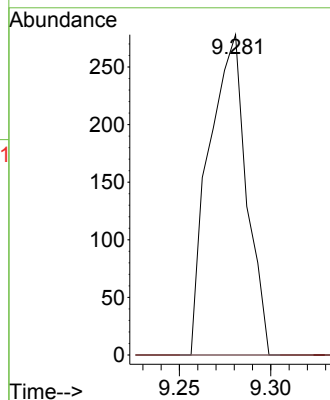
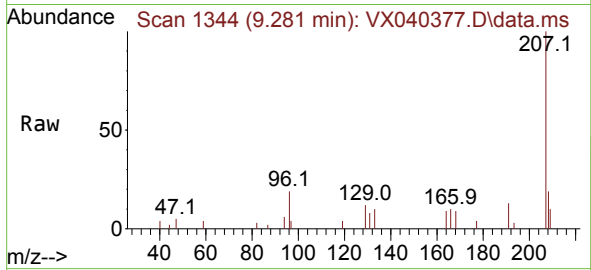




#60  
Dibromochloromethane  
Concen: 0.378 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. -0.238 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

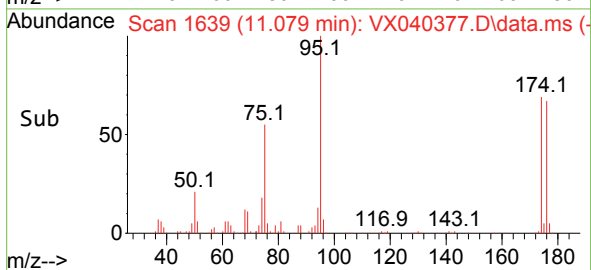
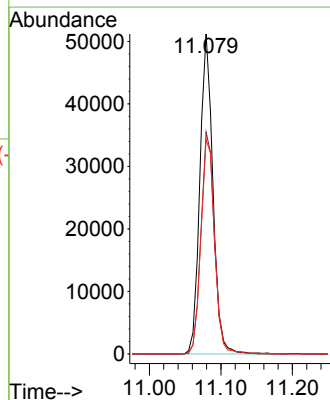
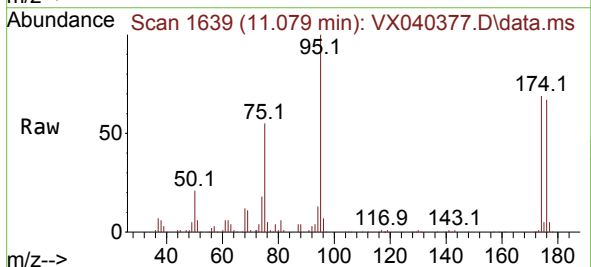
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

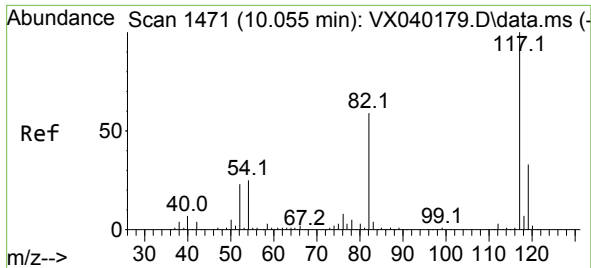
Tgt Ion:129 Resp: 397  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 44.957 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion: 95 Resp: 64646  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 135.6  
176 70.1 0.0 131.0

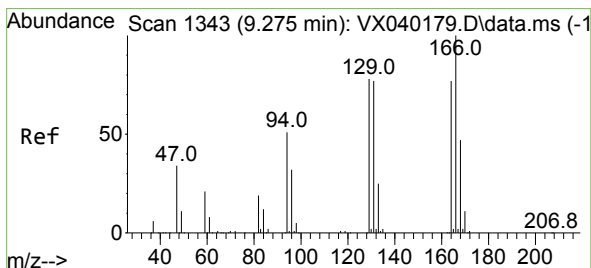
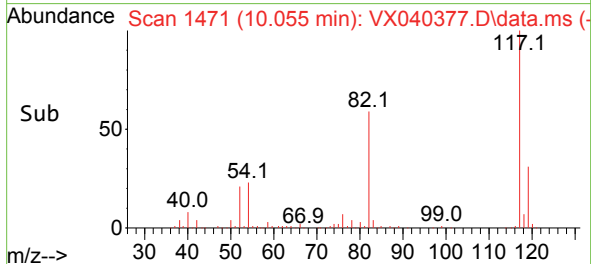
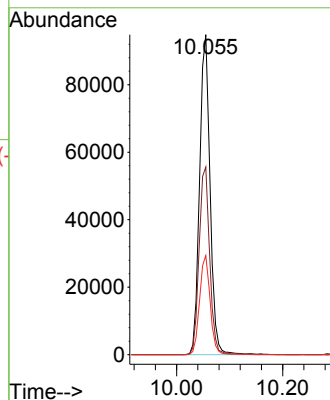
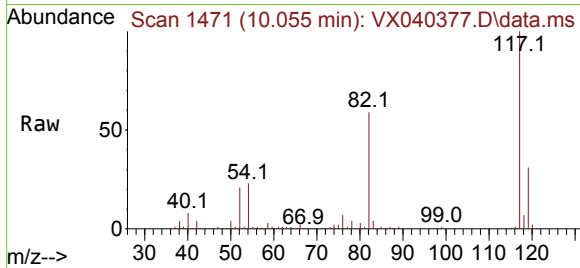




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

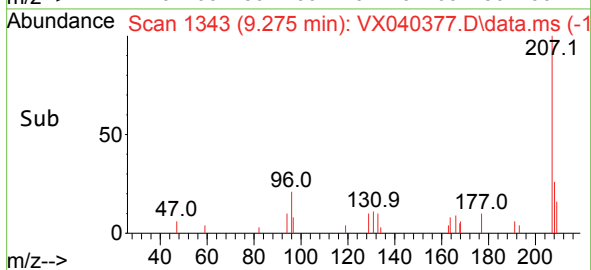
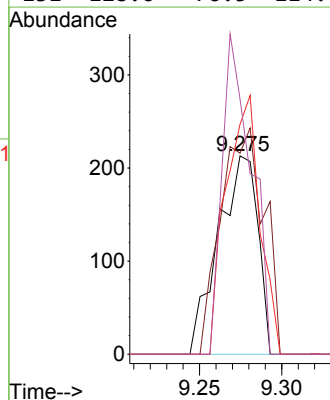
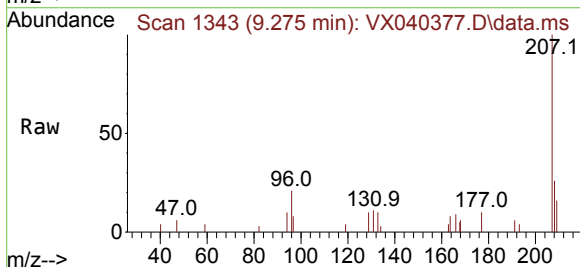
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW178I-20240215

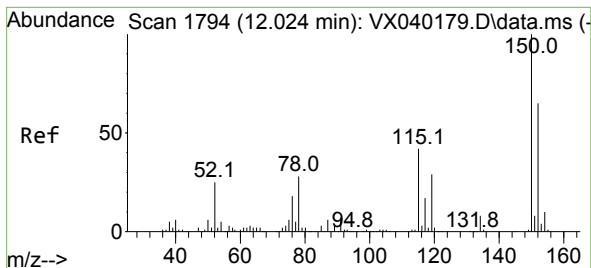
Tgt Ion:117 Resp: 129729  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.2 69.4  
119 31.0 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.392 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX040377.D  
Acq: 21 Feb 2024 13:34

Tgt Ion:164 Resp: 356  
Ion Ratio Lower Upper  
164 100  
166 101.4 102.7 154.1#  
129 116.0 80.4 120.6  
131 128.6 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX040377.D

Acq: 21 Feb 2024 13:34

Instrument :

MSVOA\_X

ClientSampleId :

MW178I-20240215

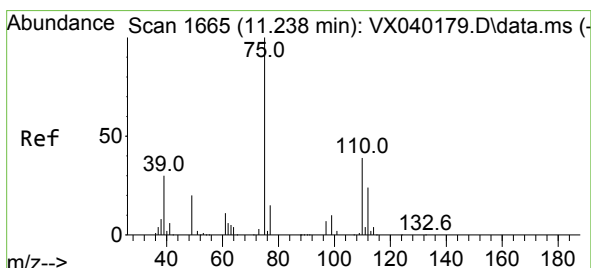
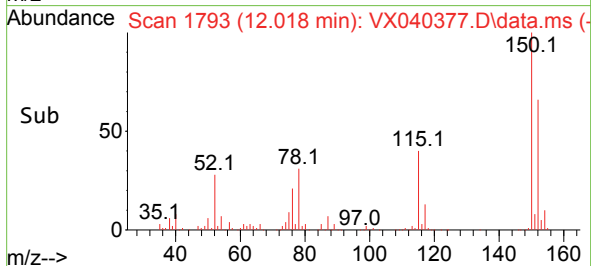
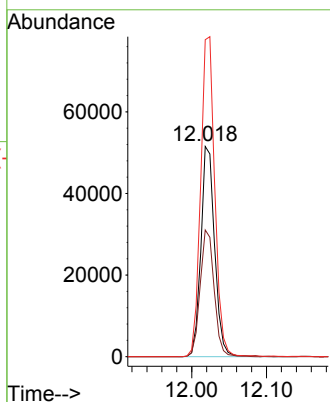
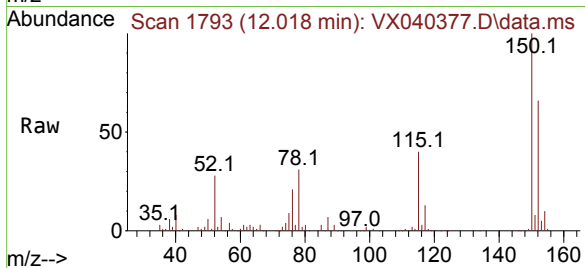
Tgt Ion:152 Resp: 65859

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 156.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.980 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040377.D

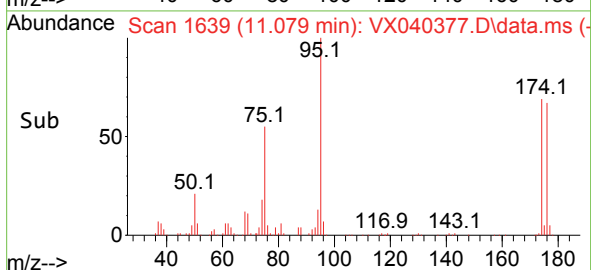
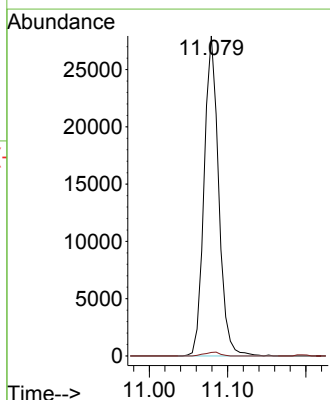
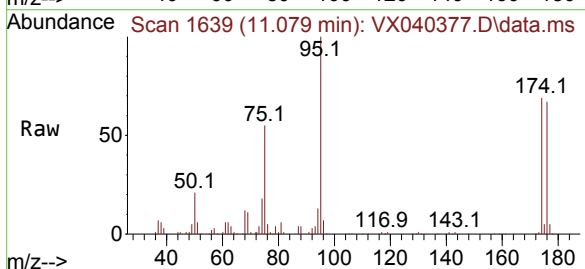
Acq: 21 Feb 2024 13:34

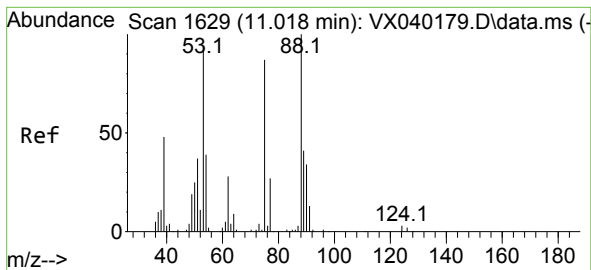
Tgt Ion: 75 Resp: 35983

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 73.935 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040377.D  
 Acq: 21 Feb 2024 13:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW178I-20240215

Tgt Ion: 75 Resp: 35983  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

