

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062124\  
 Data File : VX041979.D  
 Acq On : 21 Jun 2024 14:24  
 Operator : JC/MD  
 Sample : P3003-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 22 04:41:53 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

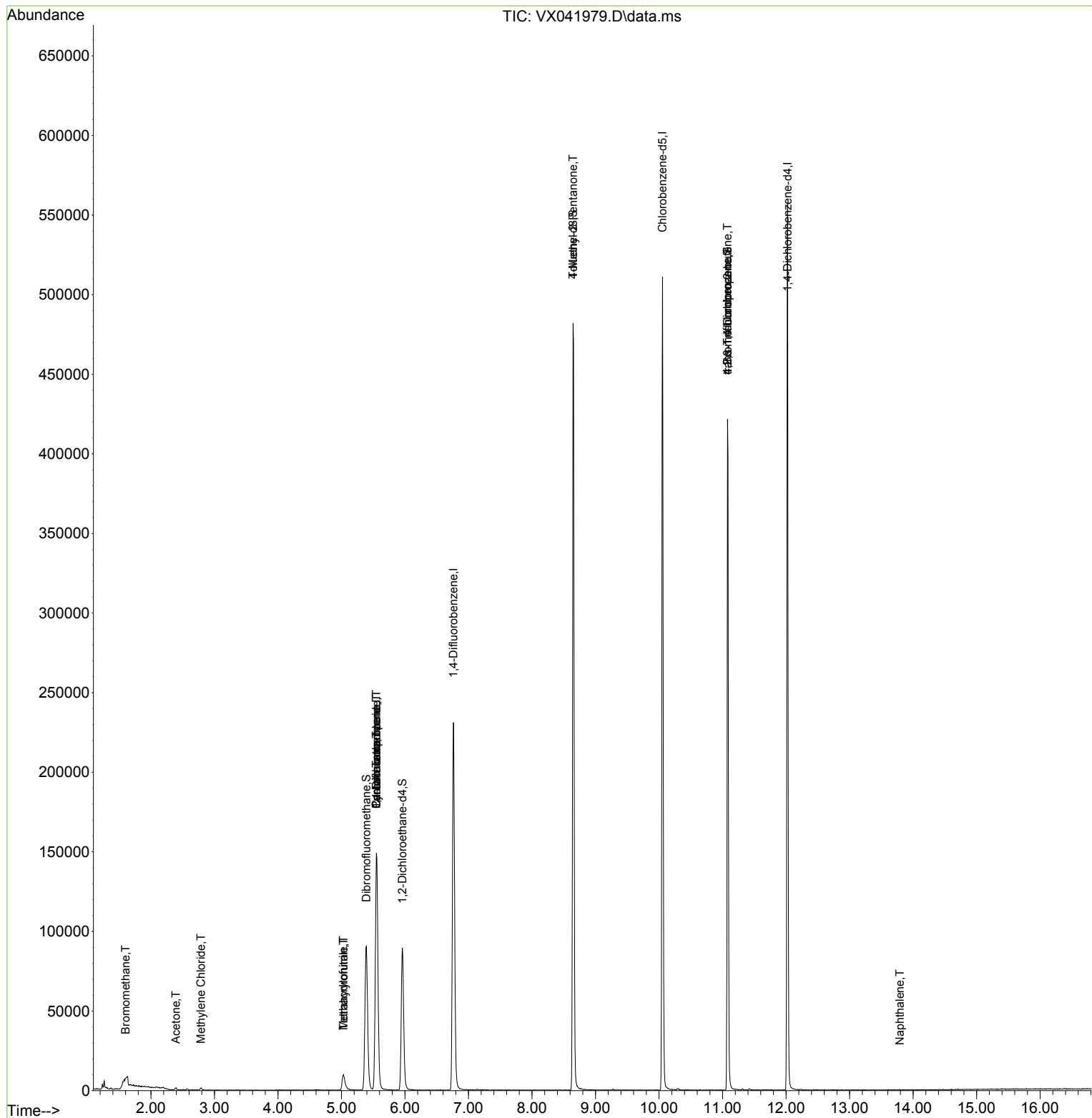
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 163252   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 255051   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 255123   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 130493   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 86301    | 45.844    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 91.680%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 81416    | 44.988    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 89.980%  |
| 50) Toluene-d8                | 8.647  | 98    | 302258   | 47.542    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.080%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 114323   | 48.781    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 97.560%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 253      | 0.328     | ug/l   | 86       |
| 6) Chloroethane               | 1.673  | 64    | 201      | Below Cal | #      | 43       |
| 16) Acetone                   | 2.392  | 43    | 1324     | 1.602     | ug/l   | # 84     |
| 20) Methylene Chloride        | 2.788  | 84    | 781      | 0.431     | ug/l   | 96       |
| 29) Tetrahydrofuran           | 5.032  | 42    | 10171    | 12.246    | ug/l   | 97       |
| 31) Cyclohexane               | 5.550  | 56    | 2368     | 1.076     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9386     | 4.884     | ug/l   | # 50     |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 13438    | 6.329     | ug/l   | # 15     |
| 41) Methacrylonitrile         | 5.032  | 41    | 5728     | 4.221     | ug/l   | # 47     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1006     | 0.380     | ug/l   | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 52091    | 21.989    | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 52091    | 62.446    | ug/l   | # 5      |
| 95) Naphthalene               | 13.792 | 128   | 104      | 0.759     | ug/l   | # 69     |
| -----                         |        |       |          |           |        |          |

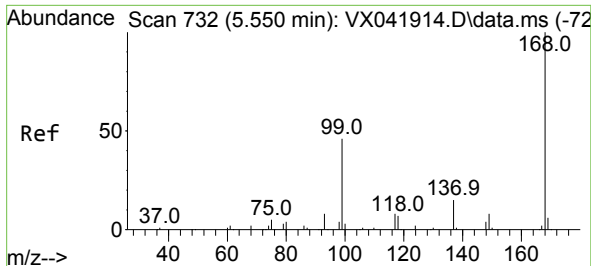
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062124\  
Data File : VX041979.D  
Acq On : 21 Jun 2024 14:24  
Operator : JC/MD  
Sample : P3003-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

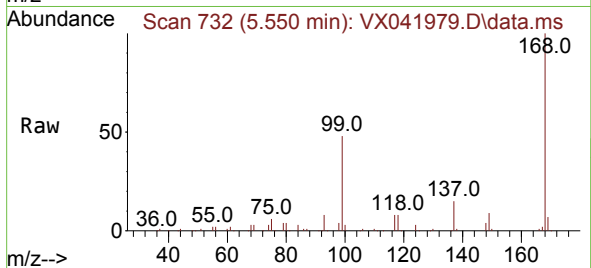
Quant Time: Jun 22 04:41:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration



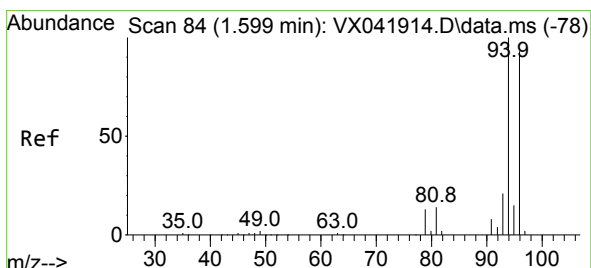
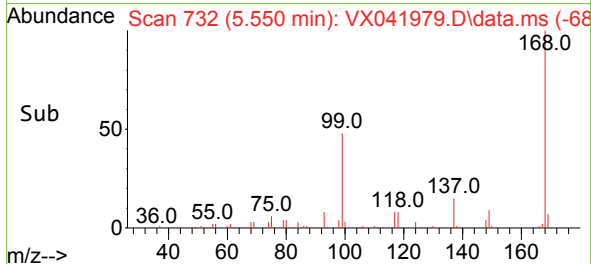
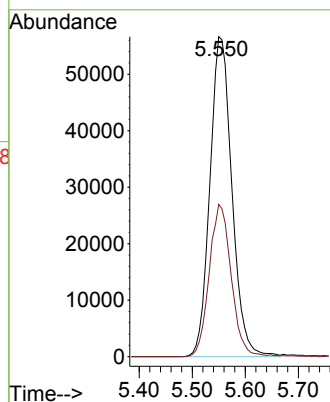


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Instrument :  
MSVOA\_X  
ClientSampleId :

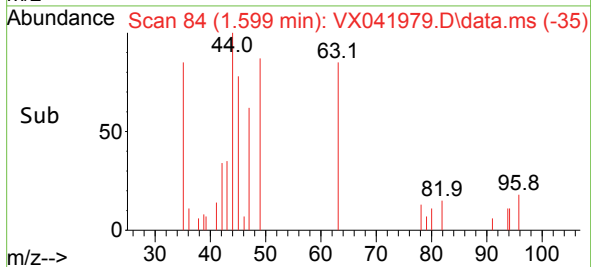
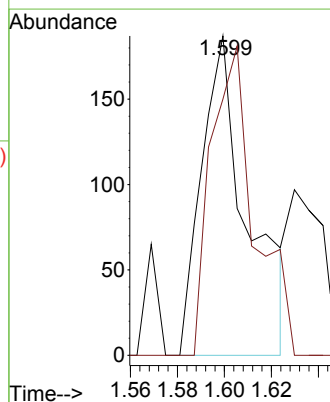
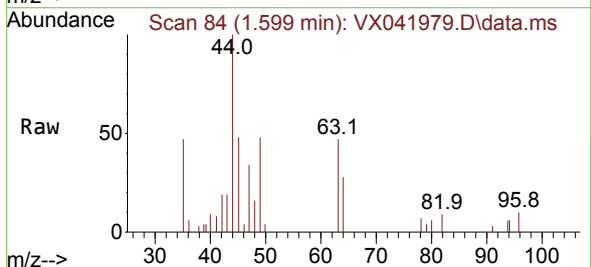


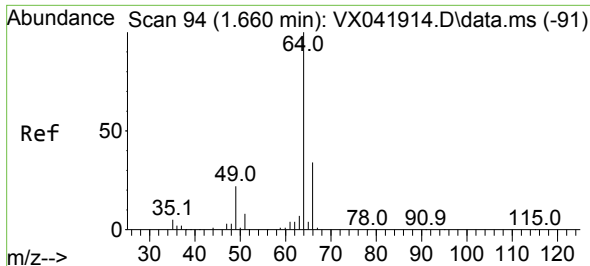
Tgt Ion:168 Resp: 163252  
Ion Ratio Lower Upper  
168 100  
99 47.6 56.6 85.0#



#5  
Bromomethane  
Concen: 0.328 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Tgt Ion: 94 Resp: 253  
Ion Ratio Lower Upper  
94 100  
96 80.2 74.6 111.8

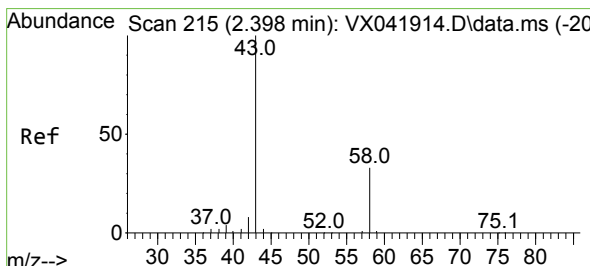
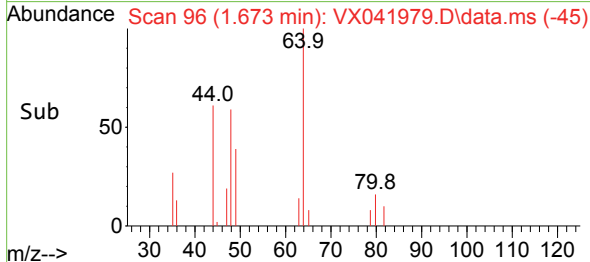
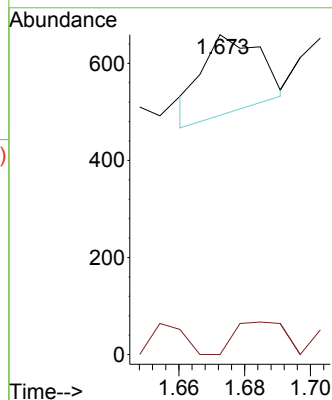
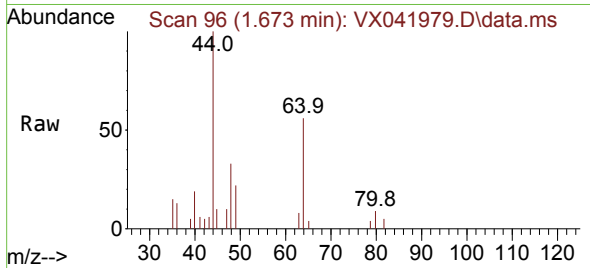




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.673 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

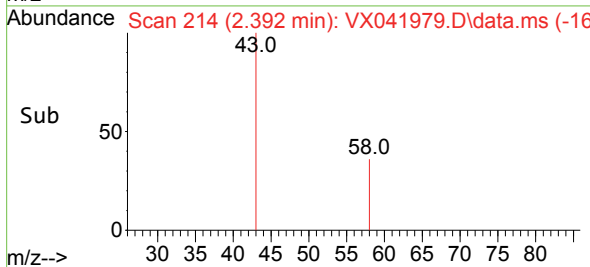
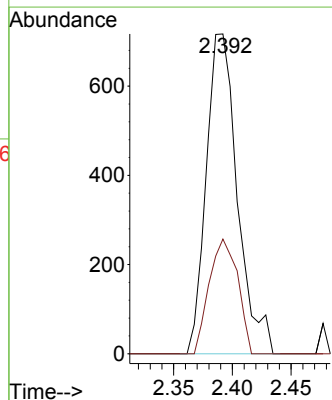
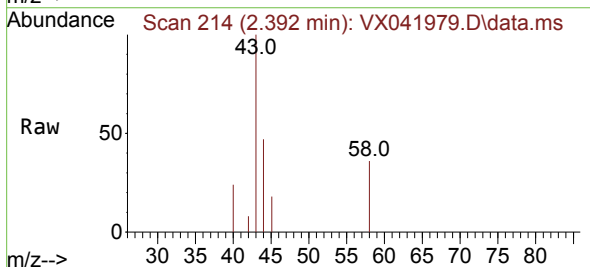
Instrument :  
MSVOA\_X  
ClientSampleId :

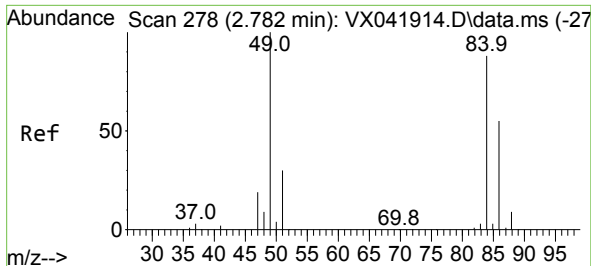
Tgt Ion: 64 Resp: 201  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#16  
Acetone  
Concen: 1.602 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

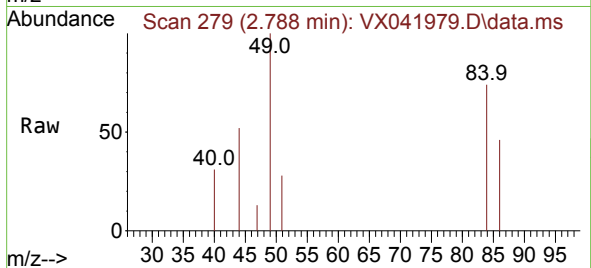
Tgt Ion: 43 Resp: 1324  
Ion Ratio Lower Upper  
43 100  
58 35.8 21.9 32.9#



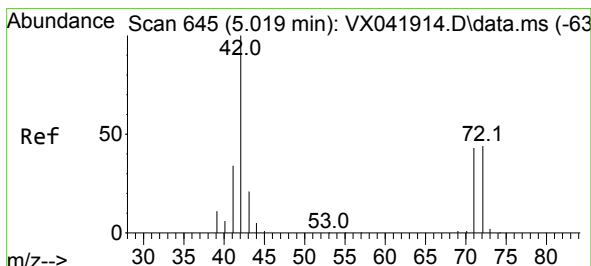
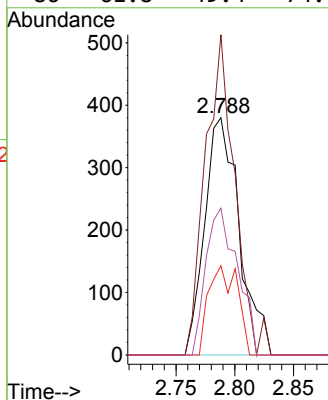
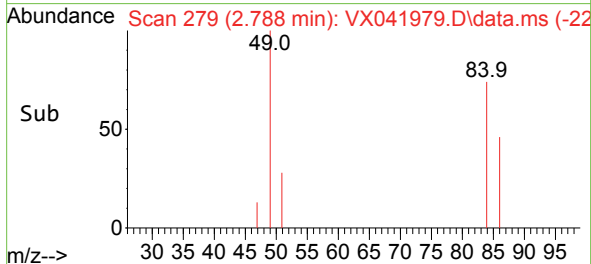


#20  
Methylene Chloride  
Concen: 0.431 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Instrument :  
MSVOA\_X  
ClientSampleId :

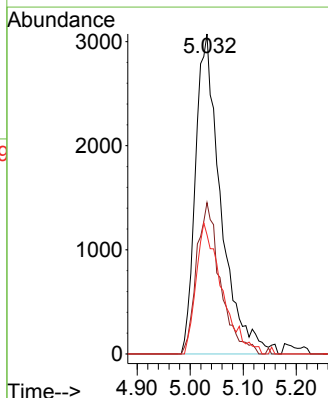
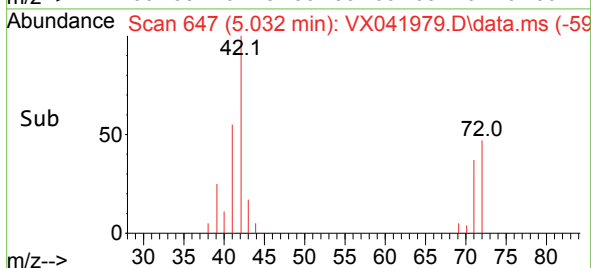
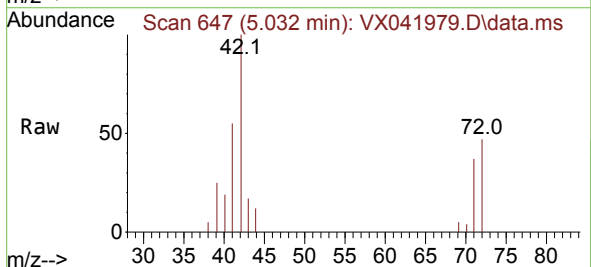


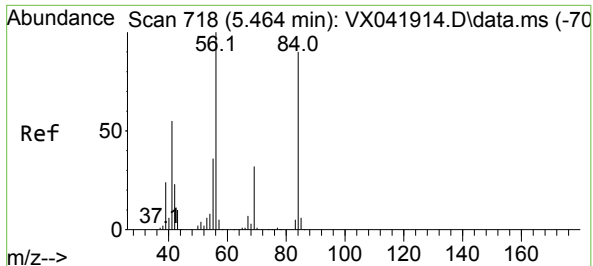
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 781   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.0 | 103.6 | 155.4 |
| 51       | 37.6  | 33.8  | 50.6  |
| 86       | 61.8  | 49.4  | 74.0  |



#29  
Tetrahydrofuran  
Concen: 12.246 ug/l  
RT: 5.032 min Scan# 647  
Delta R.T. 0.012 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

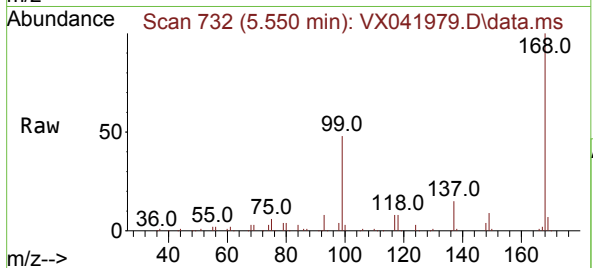
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 10171 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 44.7  | 34.2  | 51.4  |
| 71       | 41.6  | 32.2  | 48.2  |



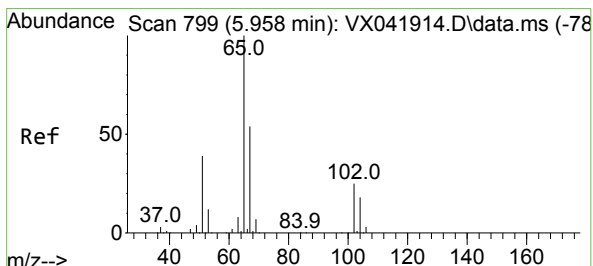
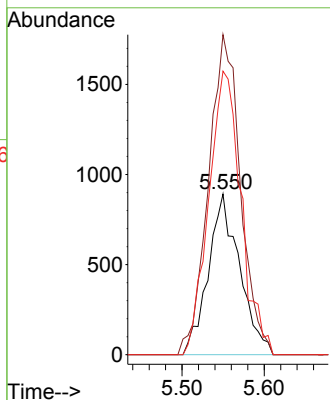
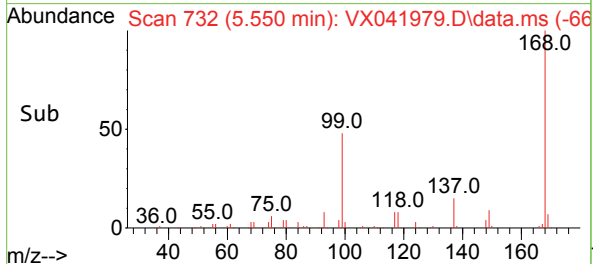


#31  
Cyclohexane  
Concen: 1.076 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. 0.086 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Instrument :  
MSVOA\_X  
ClientSampleId :

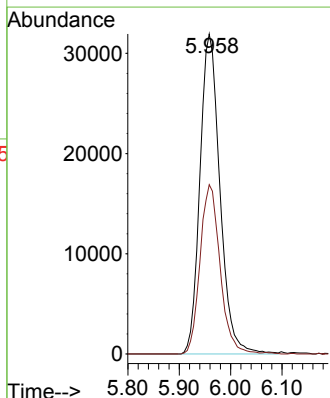
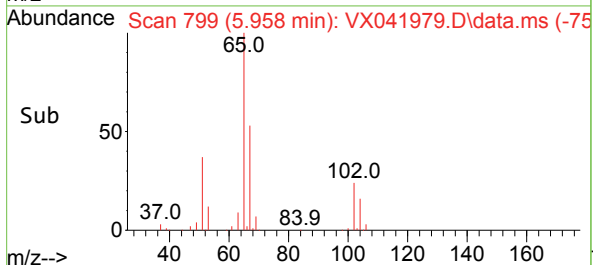
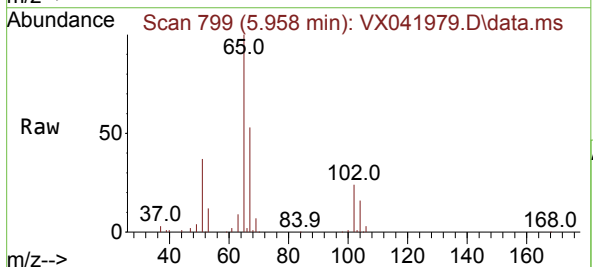


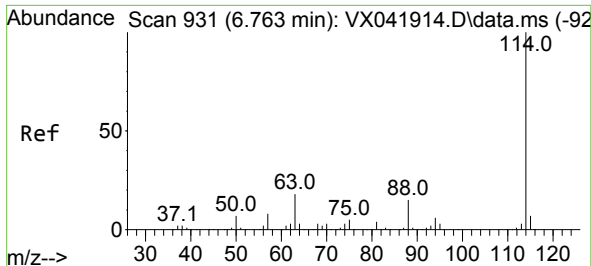
Tgt Ion: 56 Resp: 2368  
Ion Ratio Lower Upper  
56 100  
69 199.1 23.4 35.2#  
84 176.5 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 45.844 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Tgt Ion: 65 Resp: 86301  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 100.2

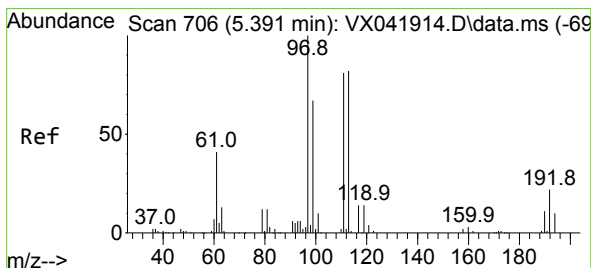
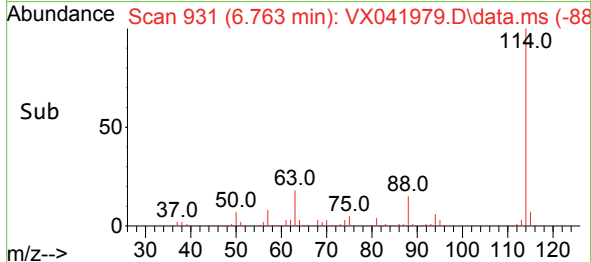
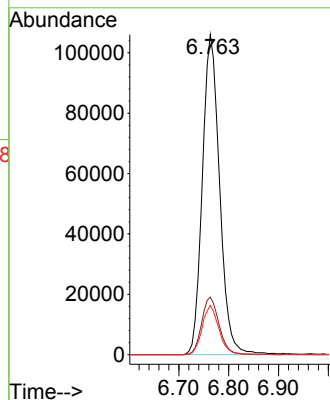
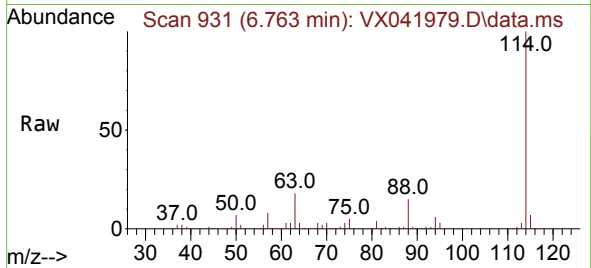




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

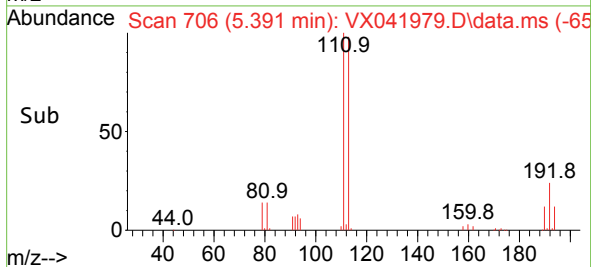
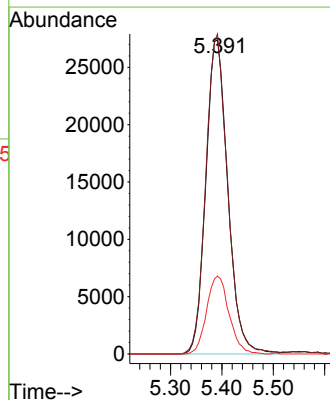
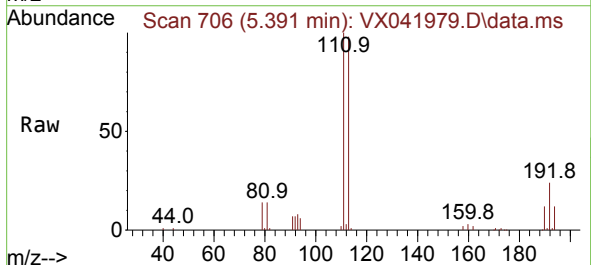
Instrument :  
MSVOA\_X  
ClientSampleId :

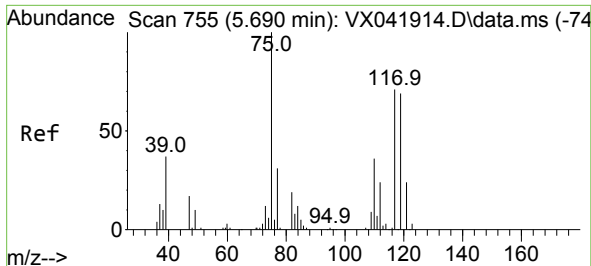
Tgt Ion:114 Resp: 255051  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 45.0  
88 15.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.988 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Tgt Ion:113 Resp: 81416  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.9 124.3  
192 25.2 13.3 19.9#

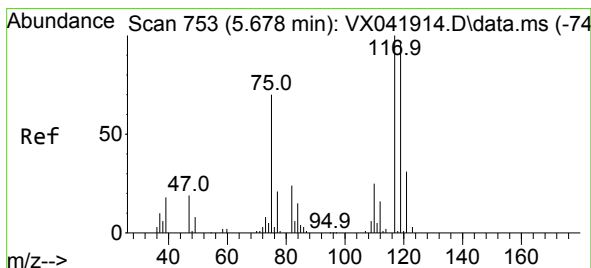
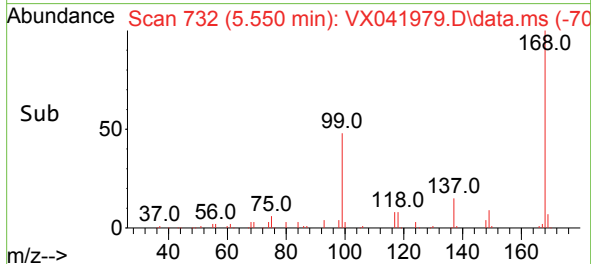
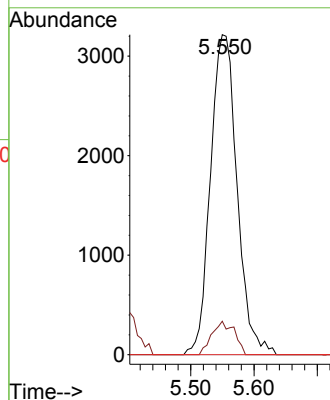
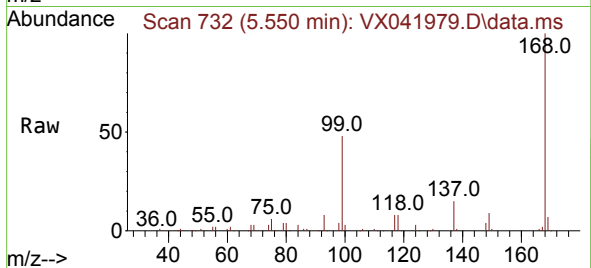




#36  
1,1-Dichloropropene  
Concen: 4.884 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

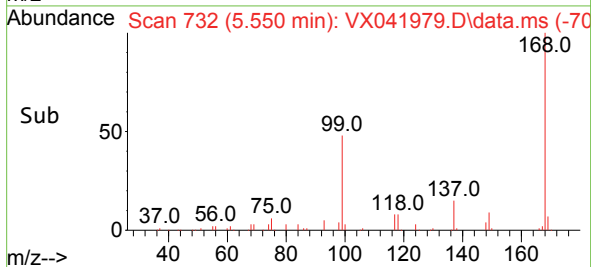
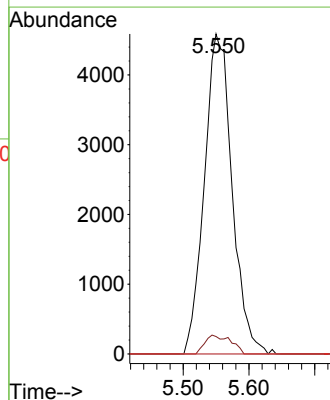
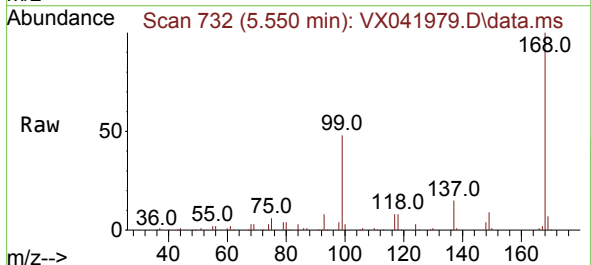
Instrument :  
MSVOA\_X  
ClientSampleId :

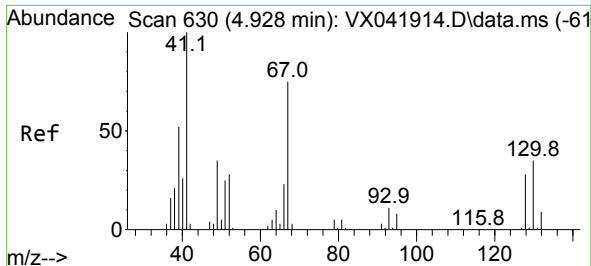
Tgt Ion: 75 Resp: 9386  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.329 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

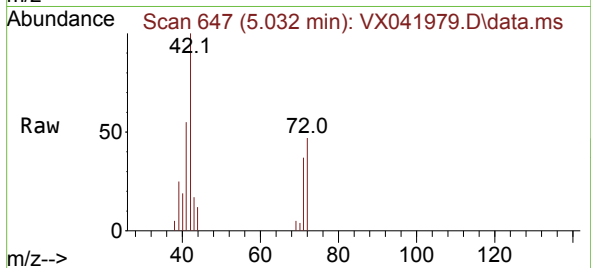
Tgt Ion: 117 Resp: 13438  
Ion Ratio Lower Upper  
117 100  
119 5.4 78.2 117.2#  
121 0.0 24.4 36.6#



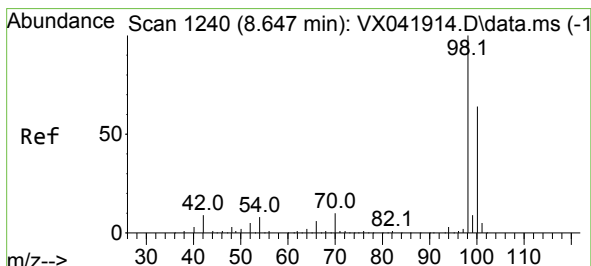
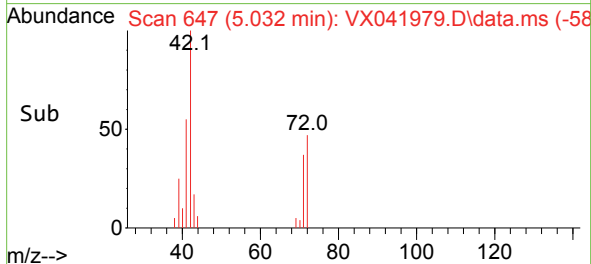
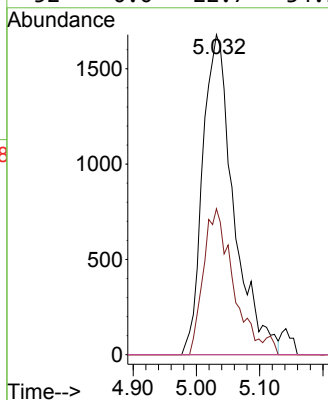


#41  
Methacrylonitrile  
Concen: 4.221 ug/l  
RT: 5.032 min Scan# 647  
Delta R.T. 0.104 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Instrument :  
MSVOA\_X  
ClientSampleId :

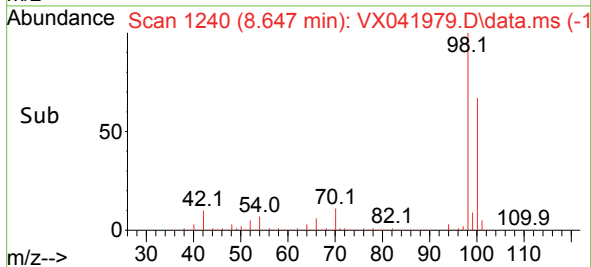
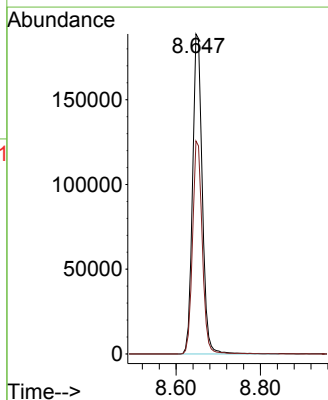
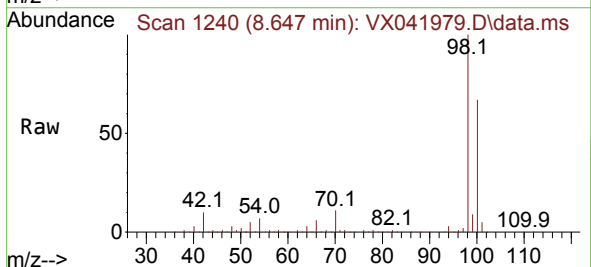


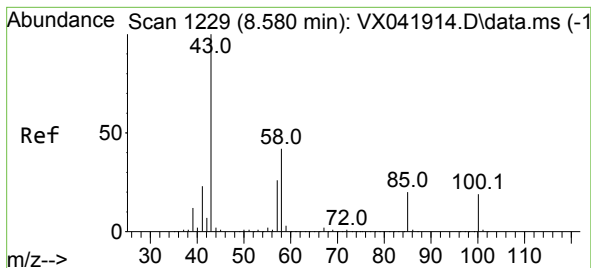
Tgt Ion: 41 Resp: 5728  
Ion Ratio Lower Upper  
41 100  
39 43.3 45.2 67.8#  
67 0.0 52.6 78.8#  
52 0.0 22.7 34.1#



#50  
Toluene-d8  
Concen: 47.542 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041979.D  
Acq: 21 Jun 2024 14:24

Tgt Ion: 98 Resp: 302258  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.1 79.7

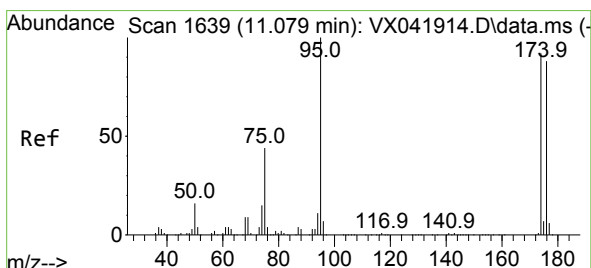
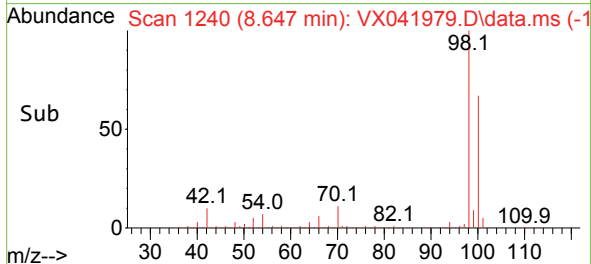
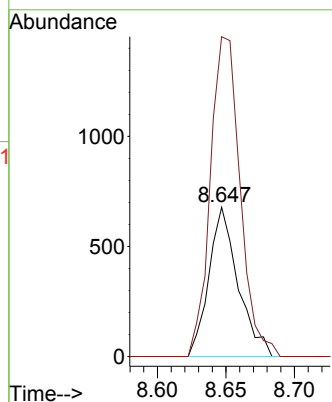
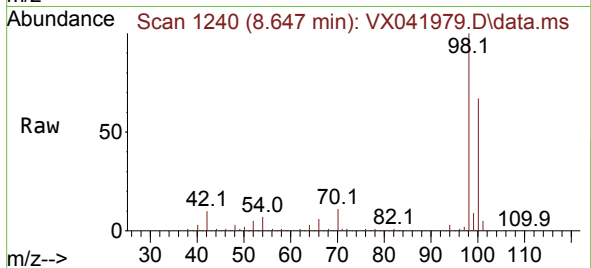




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.380 ug/l  
 RT: 8.647 min Scan# 11  
 Delta R.T. 0.067 min  
 Lab File: VX041979.D  
 Acq: 21 Jun 2024 14:24

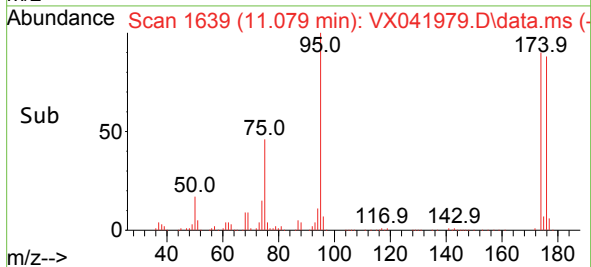
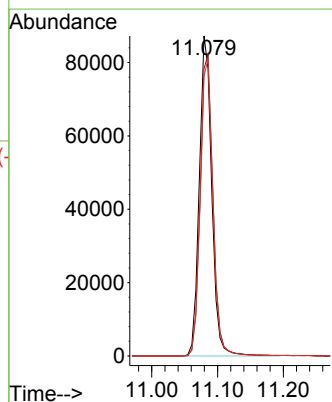
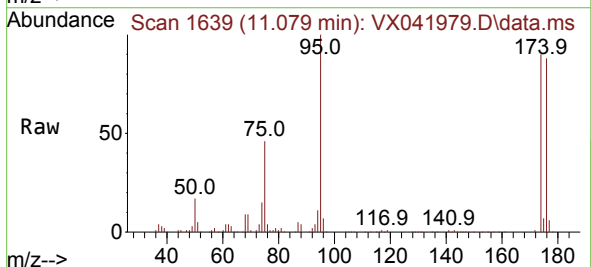
Instrument :  
 MSVOA\_X  
 ClientSampleId :

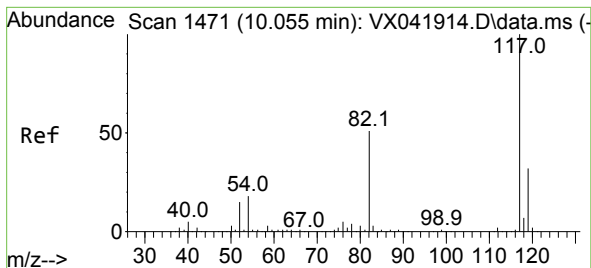
Tgt Ion: 43 Resp: 1006  
 Ion Ratio Lower Upper  
 43 100  
 58 219.1 30.4 45.6#



#62  
 4-Bromofluorobenzene  
 Concen: 48.781 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.000 min  
 Lab File: VX041979.D  
 Acq: 21 Jun 2024 14:24

Tgt Ion: 95 Resp: 114323  
 Ion Ratio Lower Upper  
 95 100  
 174 97.2 0.0 135.6  
 176 94.6 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: VX041979.D

Acq: 21 Jun 2024 14:24

Instrument :

MSVOA\_X

ClientSampleId :

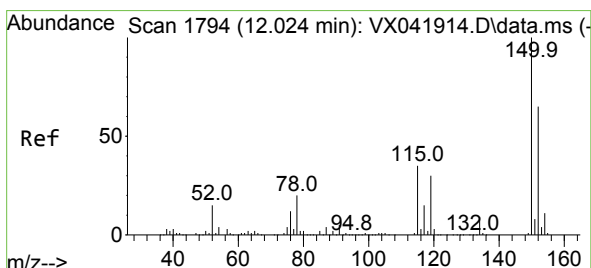
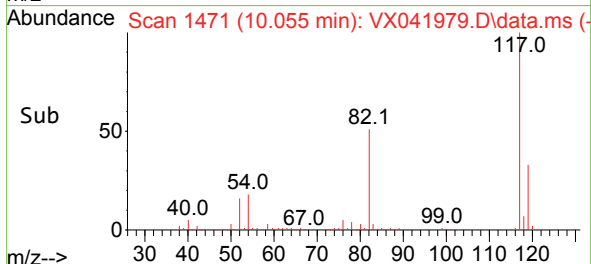
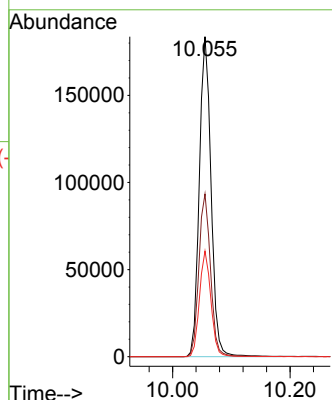
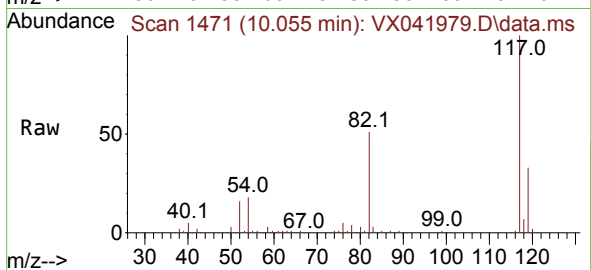
Tgt Ion:117 Resp: 255123

Ion Ratio Lower Upper

117 100

82 50.9 46.2 69.4

119 33.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041979.D

Acq: 21 Jun 2024 14:24

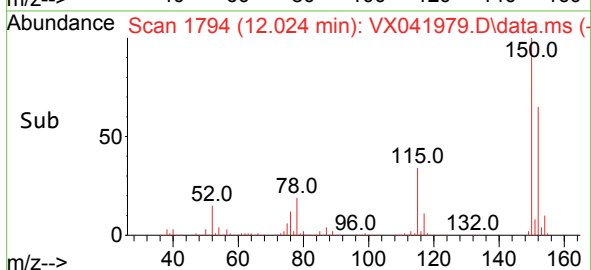
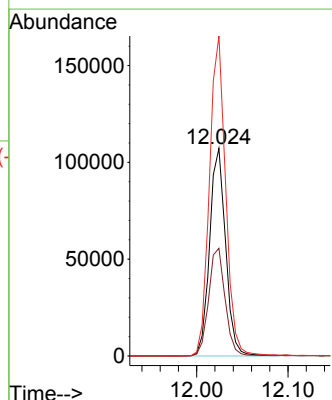
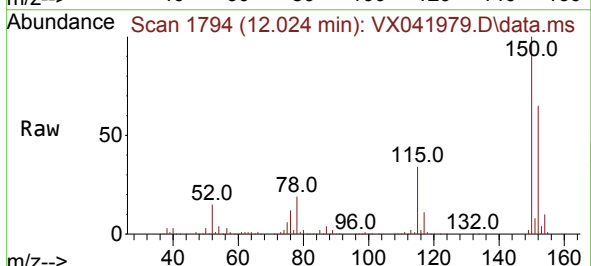
Tgt Ion:152 Resp: 130493

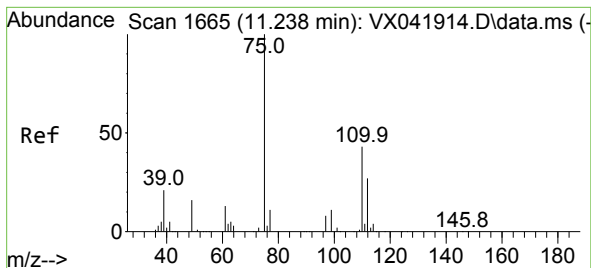
Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 156.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.989 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041979.D

Acq: 21 Jun 2024 14:24

Instrument :

MSVOA\_X

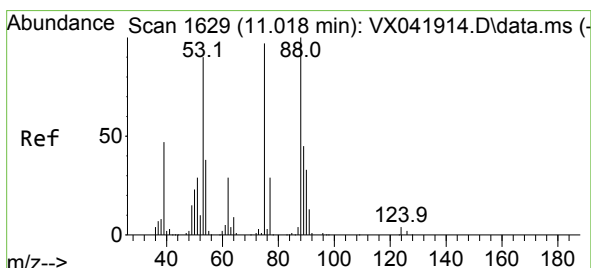
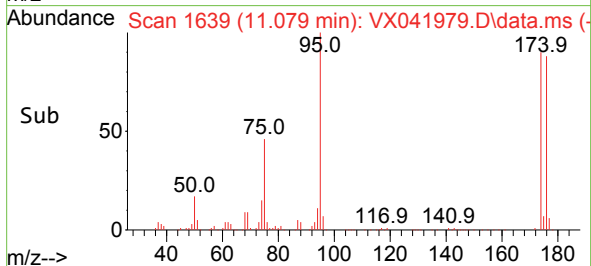
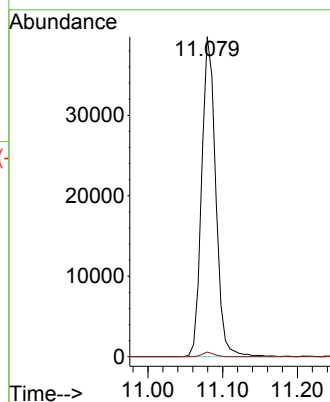
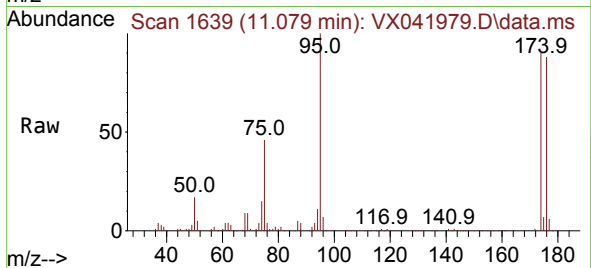
ClientSampleId :

Tgt Ion: 75 Resp: 52091

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.446 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041979.D

Acq: 21 Jun 2024 14:24

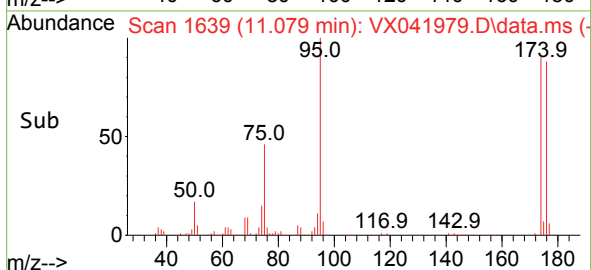
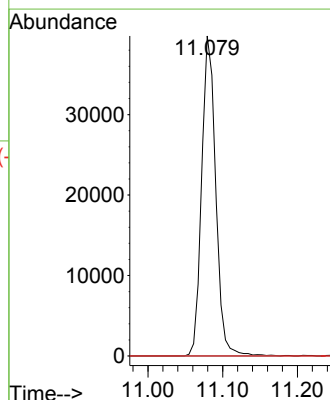
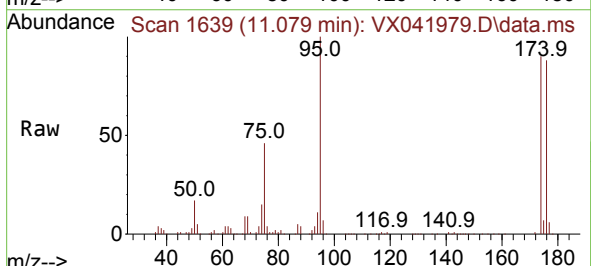
Tgt Ion: 75 Resp: 52091

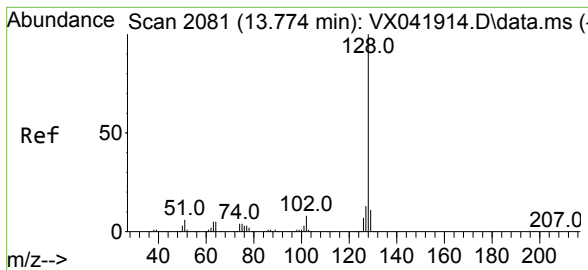
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

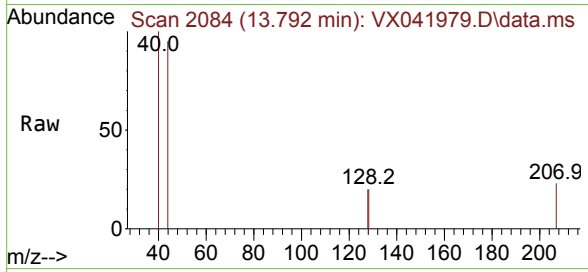
89 0.0 36.9 55.3#





#95  
 Naphthalene  
 Concen: 0.759 ug/l  
 RT: 13.792 min Scan# 2084  
 Delta R.T. 0.018 min  
 Lab File: VX041979.D  
 Acq: 21 Jun 2024 14:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 104   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.3  | 15.5# |
| 129      | 0.0   | 8.8   | 13.2# |

