

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061124\  
 Data File : VX041825.D  
 Acq On : 11 Jun 2024 13:10  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 12 05:49:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

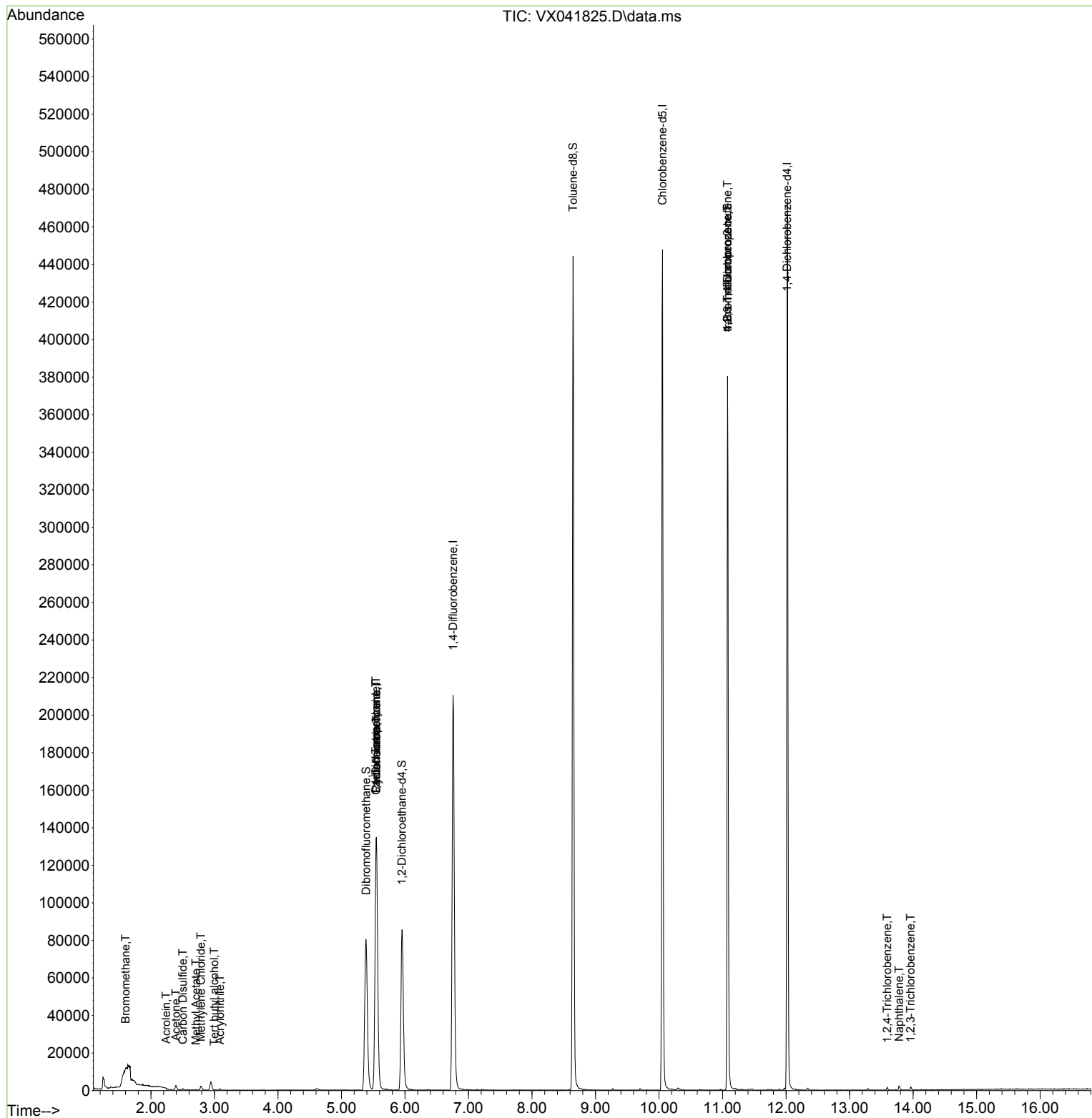
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 143116   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 224112   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 217742   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 105813   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 85137    | 48.504   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 97.000%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 70844    | 45.721   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.440%  |
| 50) Toluene-d8                | 8.647  | 98    | 261502   | 48.300   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.600%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 96451    | 48.268   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.540%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          |        | Qvalue   |
| 5) Bromomethane               | 1.599  | 94    | 503      | 0.511    | ug/l   | 84       |
| 11) Tert butyl alcohol        | 2.995  | 59    | 193      | 0.622    | ug/l # | 78       |
| 13) Acrolein                  | 2.239  | 56    | 187      | 0.647    | ug/l # | 62       |
| 15) Acrylonitrile             | 3.087  | 53    | 247      | 0.324    | ug/l # | 73       |
| 16) Acetone                   | 2.392  | 43    | 2641     | 0.739    | ug/l   | 92       |
| 17) Carbon Disulfide          | 2.502  | 76    | 757      | 0.268    | ug/l # | 73       |
| 18) Methyl Acetate            | 2.709  | 43    | 342      | 0.204    | ug/l # | 53       |
| 20) Methylene Chloride        | 2.788  | 84    | 1108     | 0.705    | ug/l # | 77       |
| 31) Cyclohexane               | 5.550  | 56    | 2675     | 1.291    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 9555     | 5.093    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 12784    | 5.997    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 48630    | 26.340   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 48630    | 71.791   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 532      | 0.229    | ug/l   | 89       |
| 95) Naphthalene               | 13.780 | 128   | 2536     | 0.370    | ug/l # | 92       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 705      | 0.295    | ug/l # | 84       |
| -----                         |        |       |          |          |        |          |

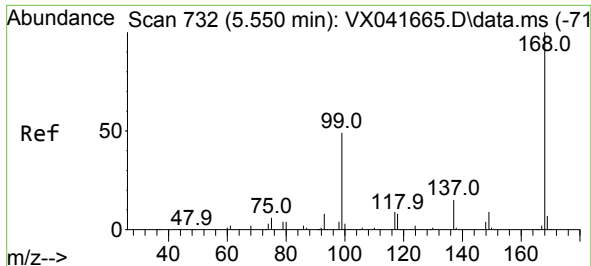
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061124\  
Data File : VX041825.D  
Acq On : 11 Jun 2024 13:10  
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Sample : VIBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 12 05:49:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 30 07:36:24 2024  
Response via : Initial Calibration

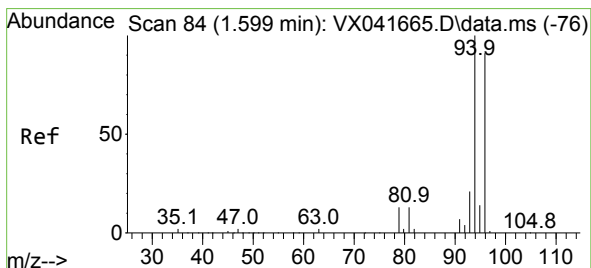
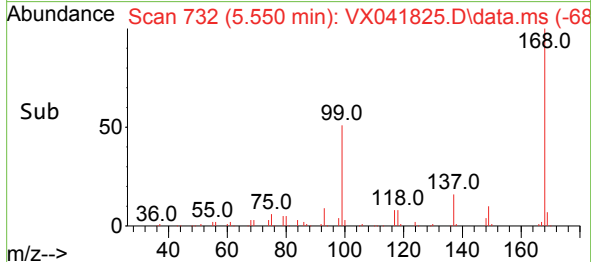
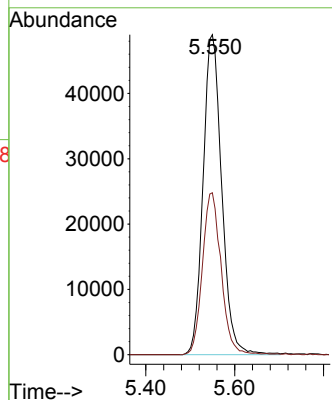
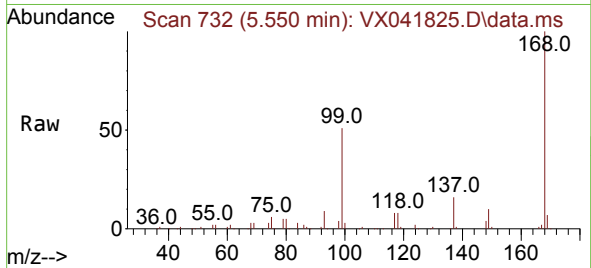




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

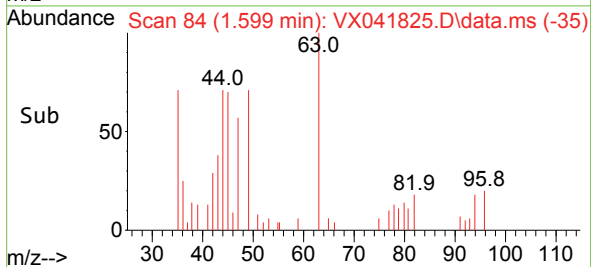
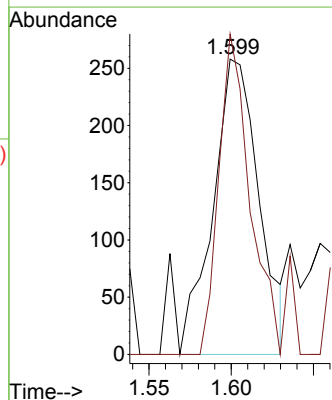
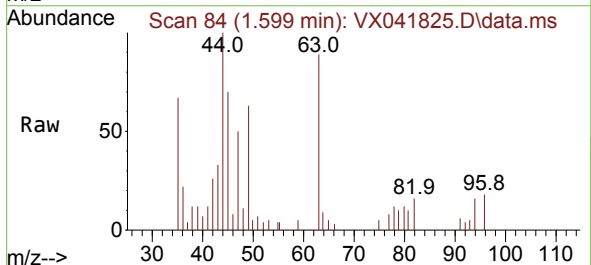
Instrument :  
MSVOA\_X  
ClientSampleId :

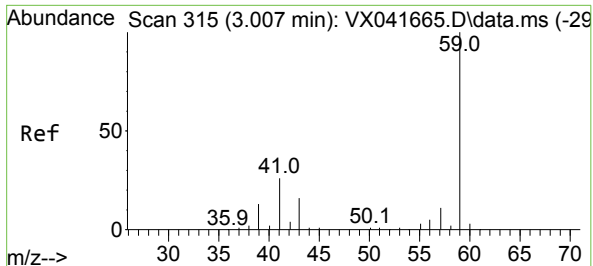
Tgt Ion:168 Resp: 143116  
Ion Ratio Lower Upper  
168 100  
99 50.6 56.6 85.0#



#5  
Bromomethane  
Concen: 0.511 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Tgt Ion: 94 Resp: 503  
Ion Ratio Lower Upper  
94 100  
96 108.5 74.6 111.8





#11

Tert butyl alcohol

Concen: 0.622 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX041825.D

Acq: 11 Jun 2024 13:10

Instrument :

MSVOA\_X

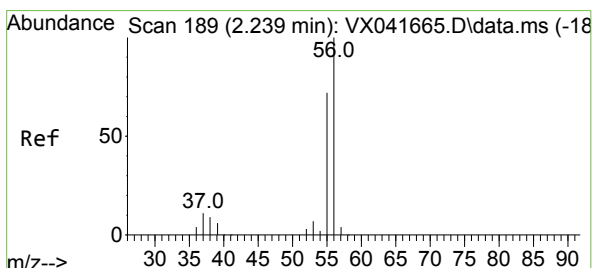
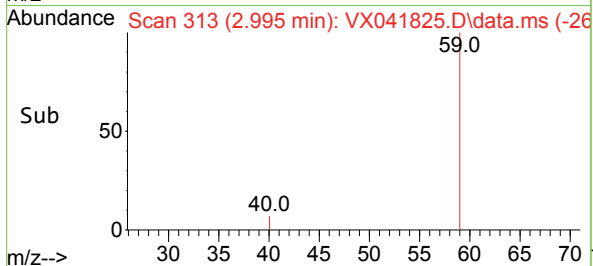
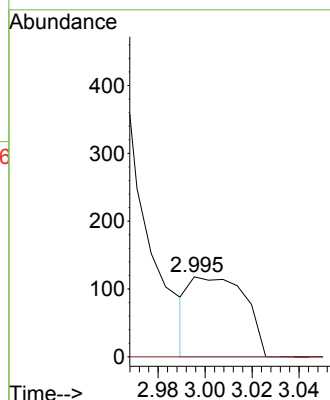
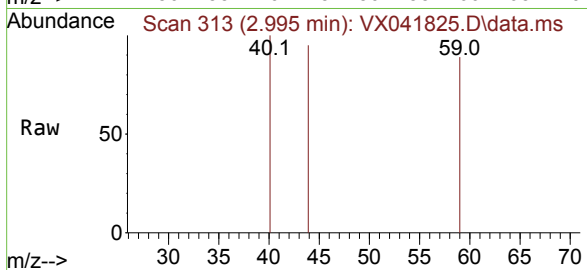
ClientSampleId :

Tgt Ion: 59 Resp: 193

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.647 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041825.D

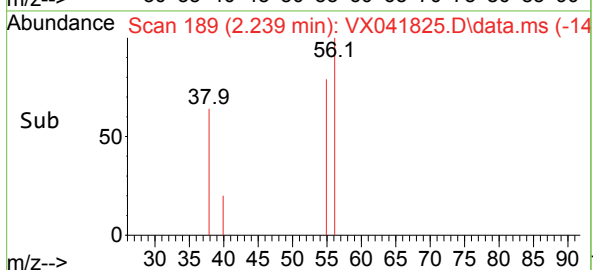
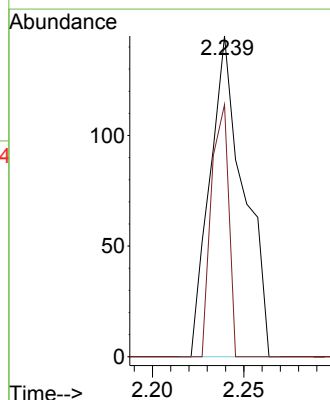
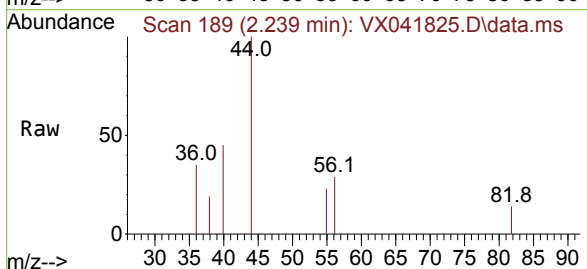
Acq: 11 Jun 2024 13:10

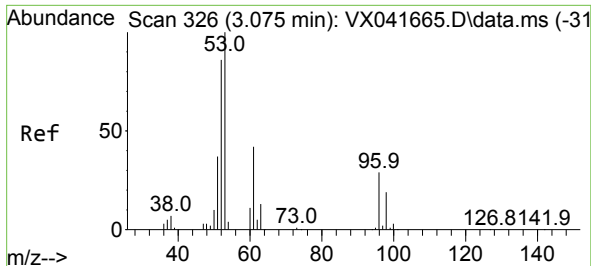
Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

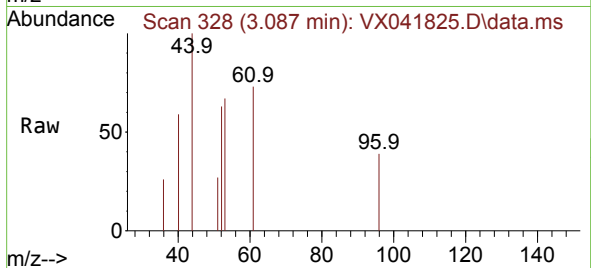
55 40.1 57.1 85.7#



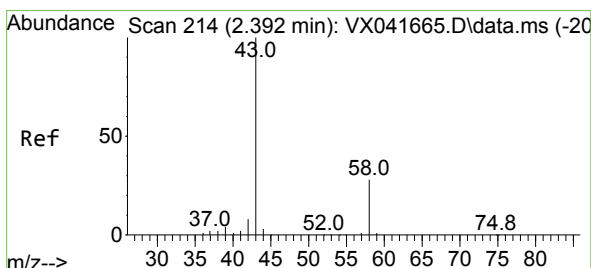
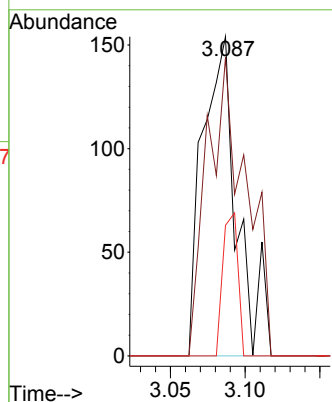
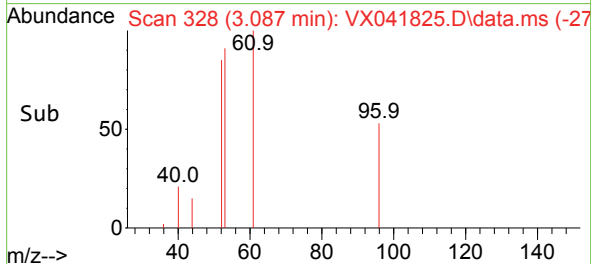


#15  
Acrylonitrile  
Concen: 0.324 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Instrument :  
MSVOA\_X  
ClientSampleId :

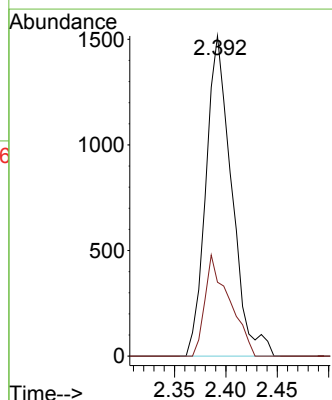
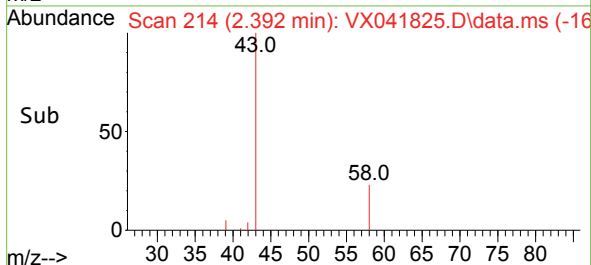
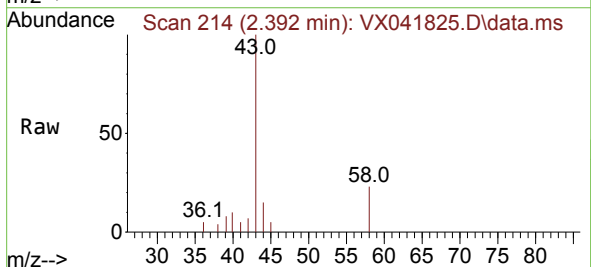


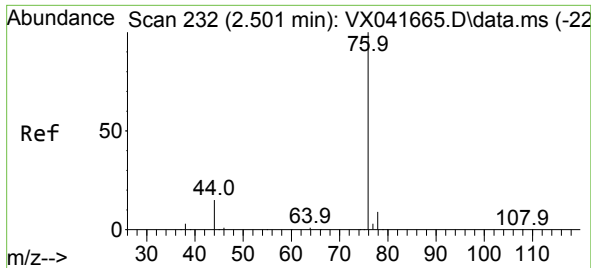
Tgt Ion: 53 Resp: 247  
Ion Ratio Lower Upper  
53 100  
52 105.7 66.0 99.0#  
51 19.4 29.8 44.6#



#16  
Acetone  
Concen: 0.739 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Tgt Ion: 43 Resp: 2641  
Ion Ratio Lower Upper  
43 100  
58 23.1 21.9 32.9





#17

Carbon Disulfide

Concen: 0.268 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041825.D

Acq: 11 Jun 2024 13:10

Instrument :

MSVOA\_X

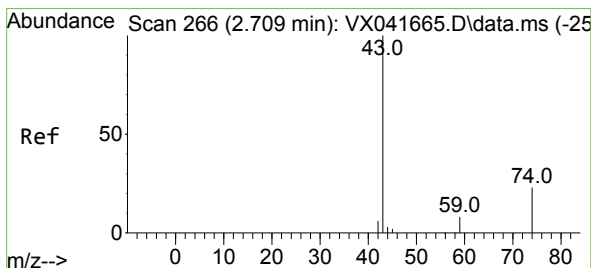
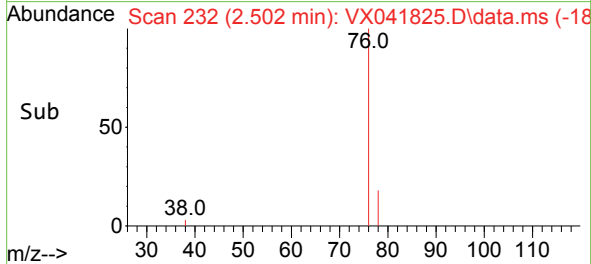
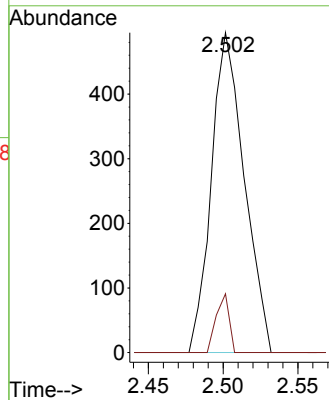
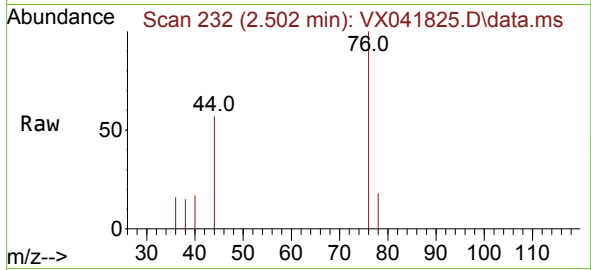
ClientSampleId :

Tgt Ion: 76 Resp: 757

Ion Ratio Lower Upper

76 100

78 18.4 7.0 10.6#



#18

Methyl Acetate

Concen: 0.204 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041825.D

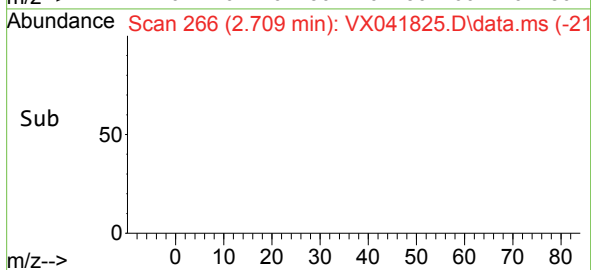
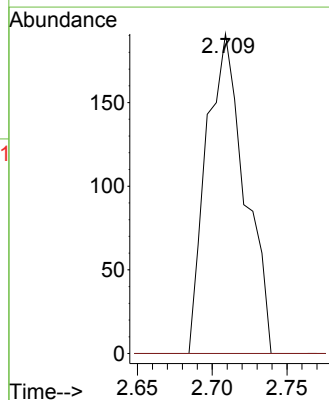
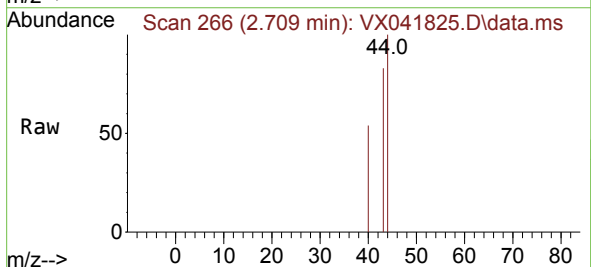
Acq: 11 Jun 2024 13:10

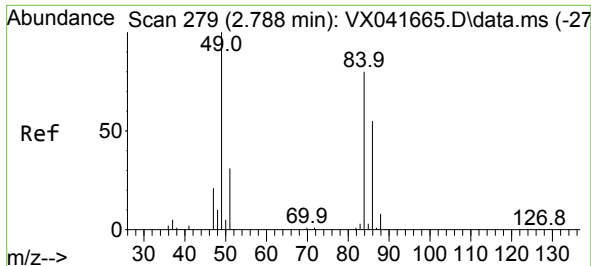
Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

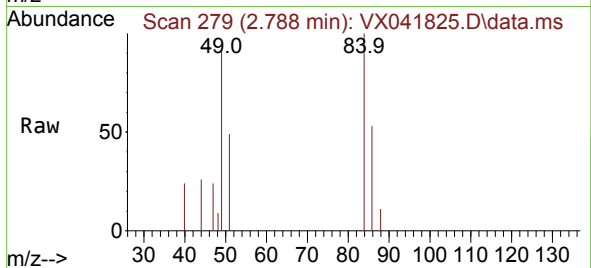
74 0.0 17.8 26.8#



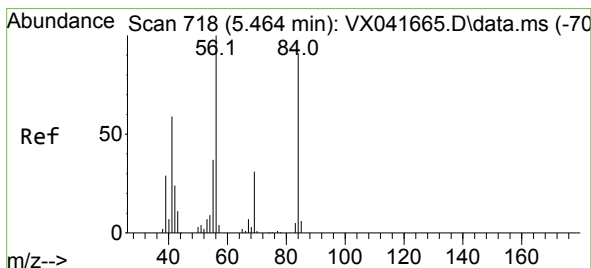
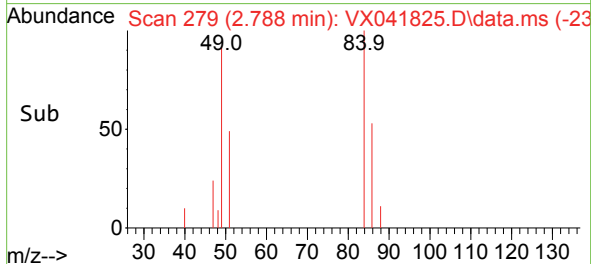
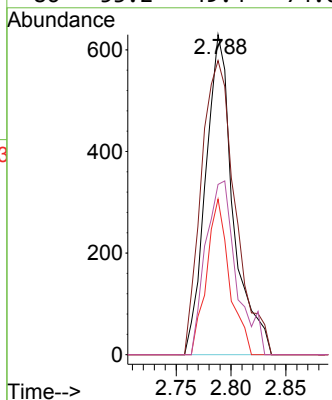


#20  
Methylene Chloride  
Concen: 0.705 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Instrument :  
MSVOA\_X  
ClientSampleId :

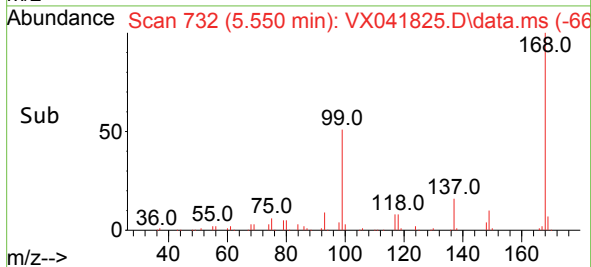
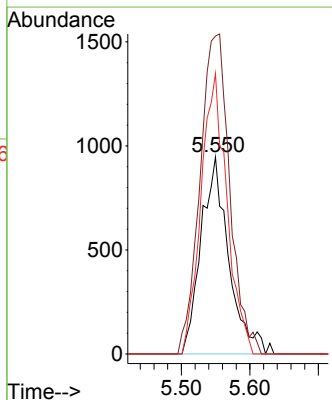
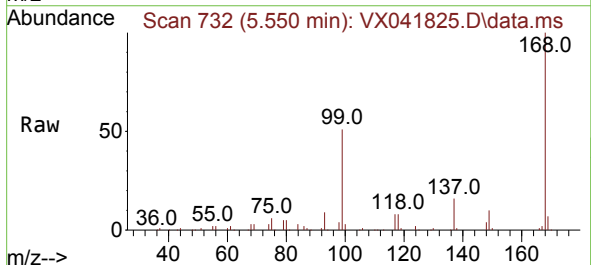


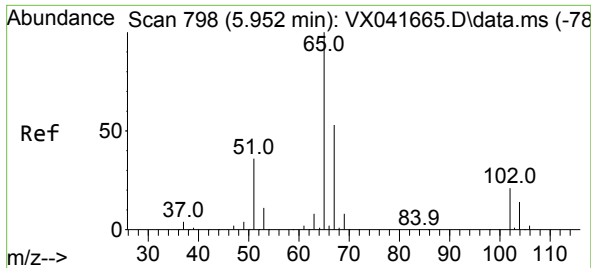
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1108   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 91.9  | 103.6 | 155.4# |
| 51       | 48.6  | 33.8  | 50.6   |
| 86       | 53.2  | 49.4  | 74.0   |



#31  
Cyclohexane  
Concen: 1.291 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.085 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2675  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 161.4 | 23.4  | 35.2# |
| 84       | 142.3 | 65.9  | 98.9# |

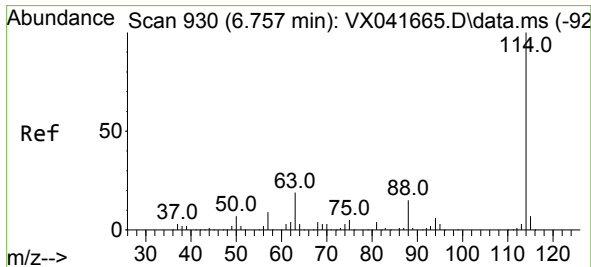
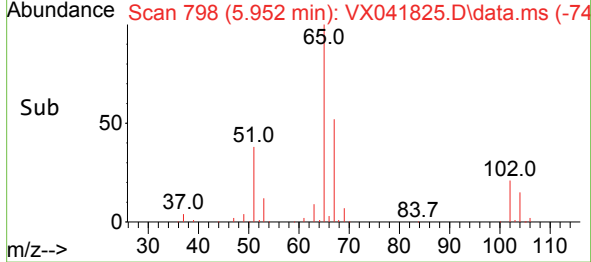
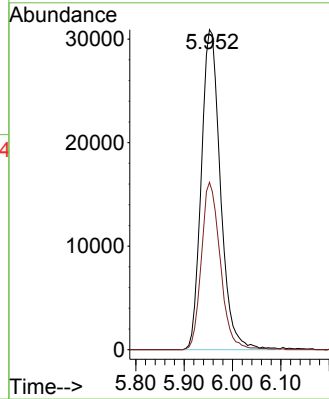
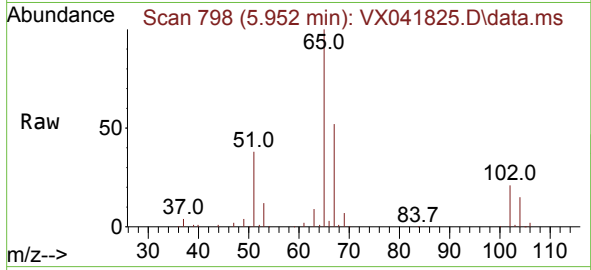




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.504 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. 0.000 min  
 Lab File: VX041825.D  
 Acq: 11 Jun 2024 13:10

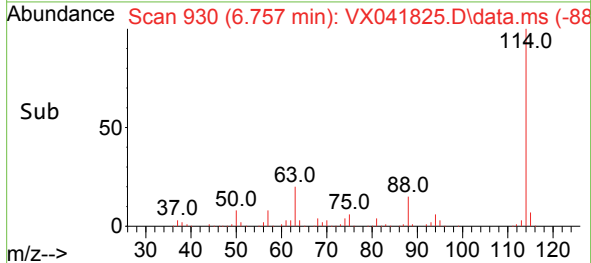
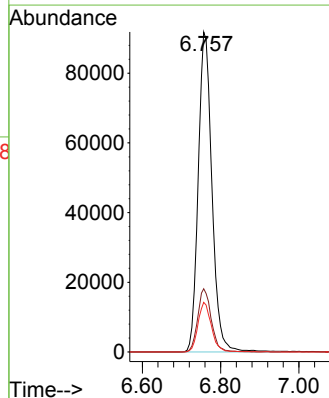
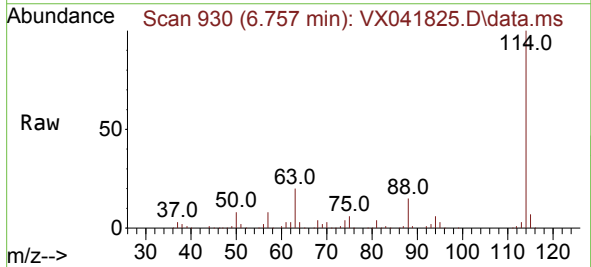
Instrument :  
 MSVOA\_X  
 ClientSampleId :

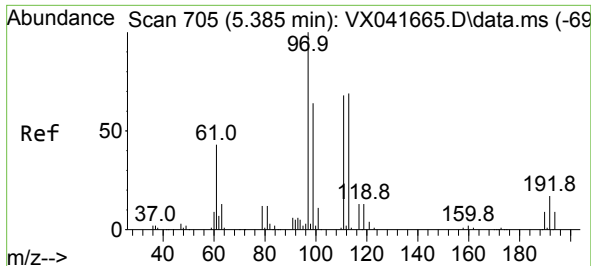
Tgt Ion: 65 Resp: 85137  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. 0.000 min  
 Lab File: VX041825.D  
 Acq: 11 Jun 2024 13:10

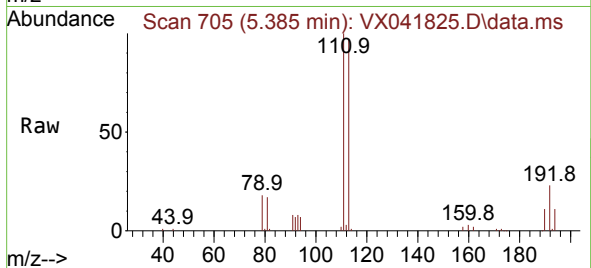
Tgt Ion: 114 Resp: 224112  
 Ion Ratio Lower Upper  
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 63 19.7 0.0 45.0  
 88 15.5 0.0 36.6



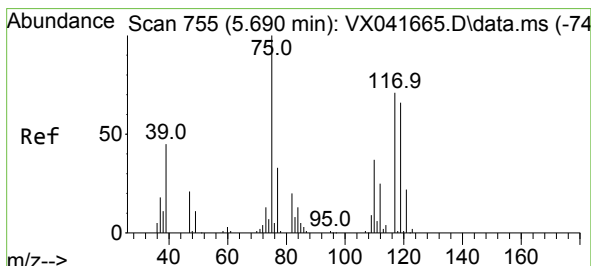
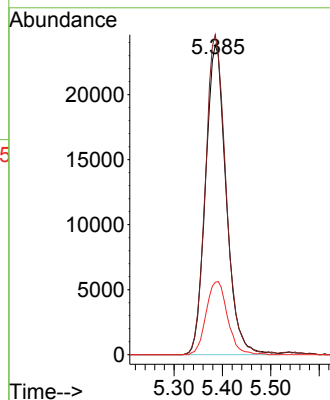
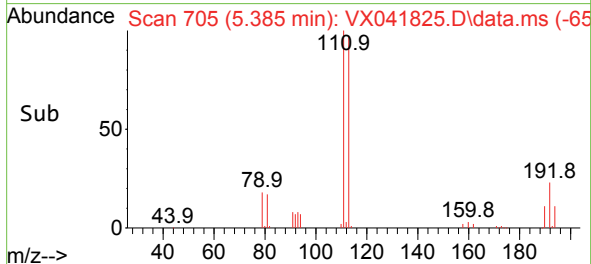


#35  
Dibromofluoromethane  
Concen: 45.721 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Instrument :  
MSVOA\_X  
ClientSampleId :

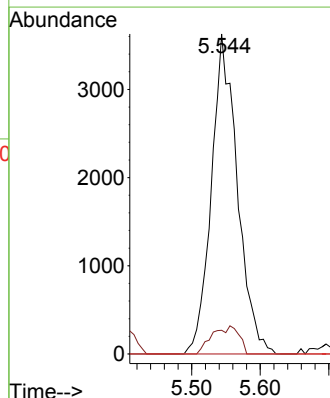
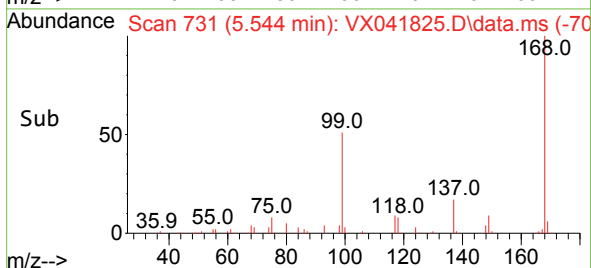
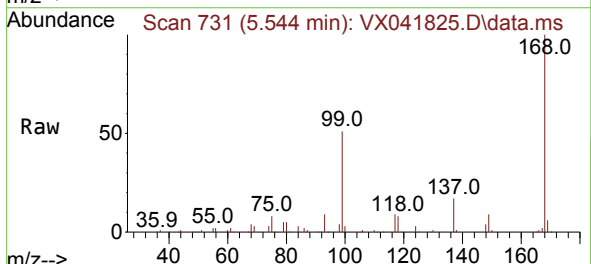


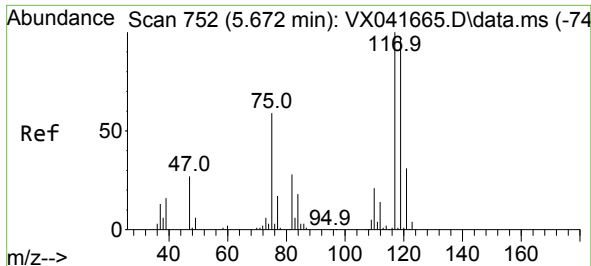
Tgt Ion:113 Resp: 70844  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.9 124.3  
192 24.3 13.3 19.9#



#36  
1,1-Dichloropropene  
Concen: 5.093 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

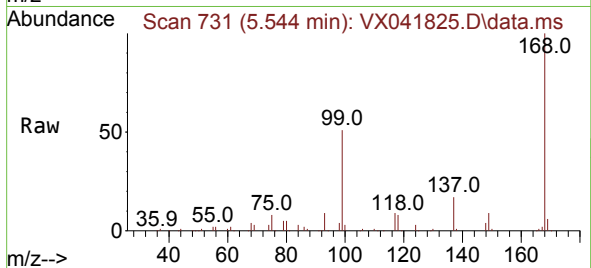
Tgt Ion: 75 Resp: 9555  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.0 50.9#  
77 0.0 24.7 37.1#



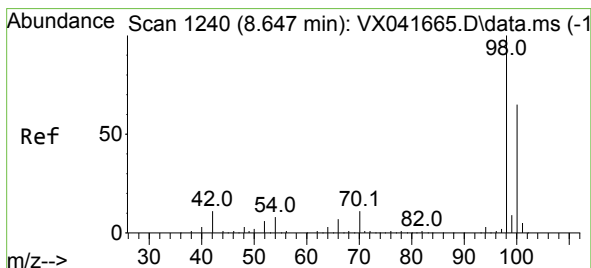
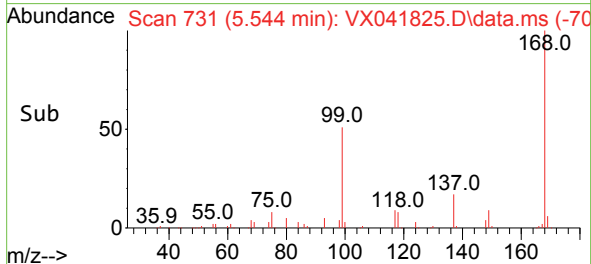
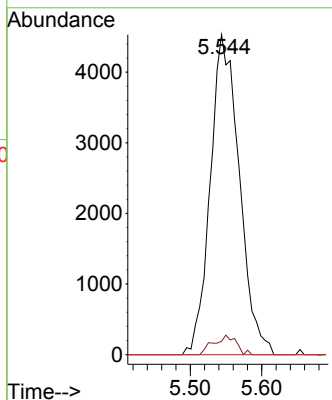


#38  
Carbon Tetrachloride  
Concen: 5.997 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Instrument :  
MSVOA\_X  
ClientSampleId :

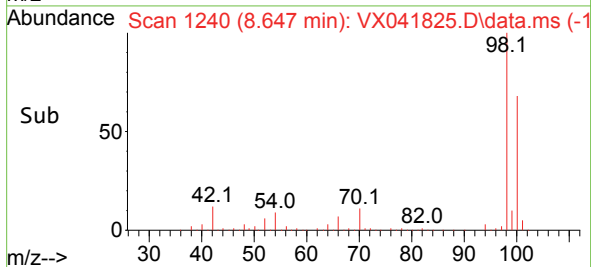
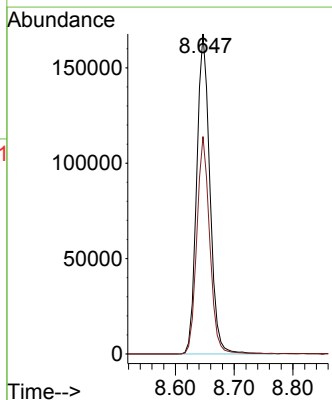
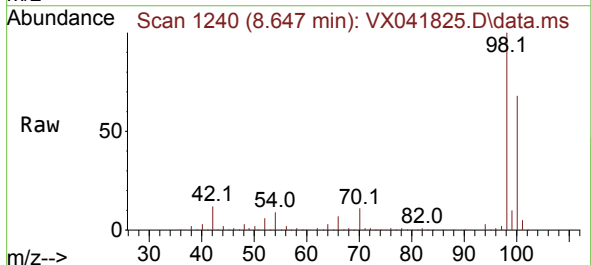


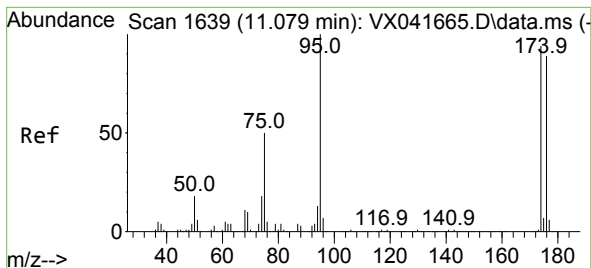
Tgt Ion:117 Resp: 12784  
Ion Ratio Lower Upper  
117 100  
119 4.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 48.300 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Tgt Ion: 98 Resp: 261502  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7

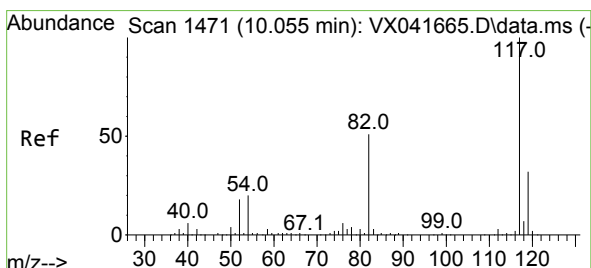
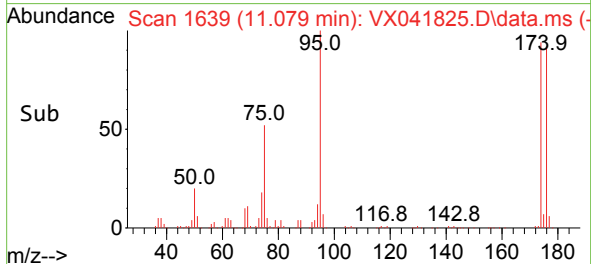
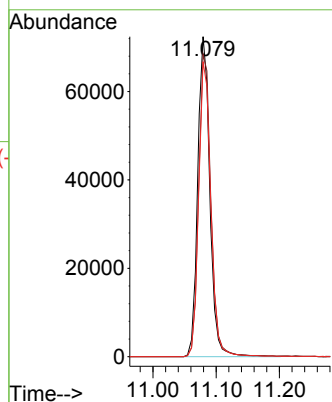
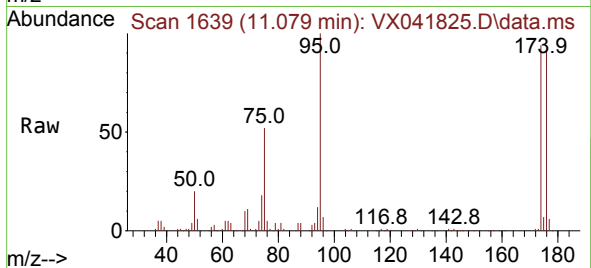




#62  
4-Bromofluorobenzene  
Concen: 48.268 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

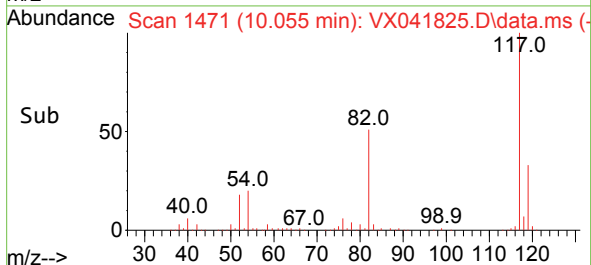
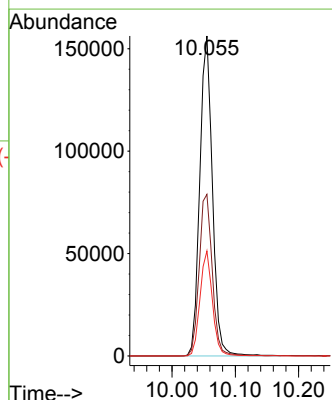
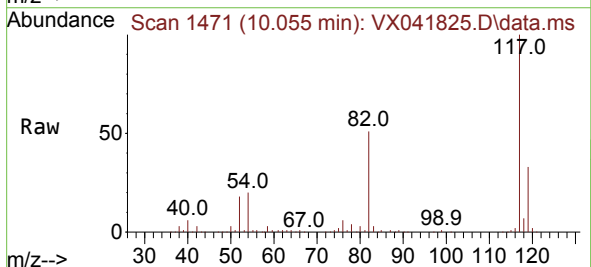
Instrument :  
MSVOA\_X  
ClientSampleId :

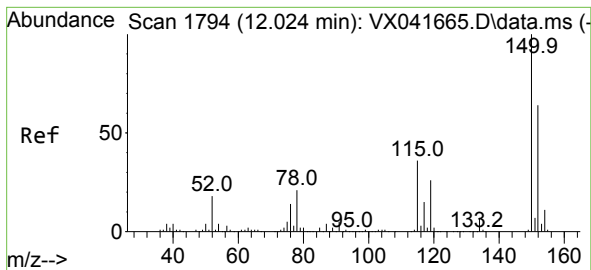
Tgt Ion: 95 Resp: 96451  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 135.6  
176 92.5 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Tgt Ion: 117 Resp: 217742  
Ion Ratio Lower Upper  
117 100  
82 50.5 46.2 69.4  
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX041825.D

Acq: 11 Jun 2024 13:10

Instrument :

MSVOA\_X

ClientSampleId :

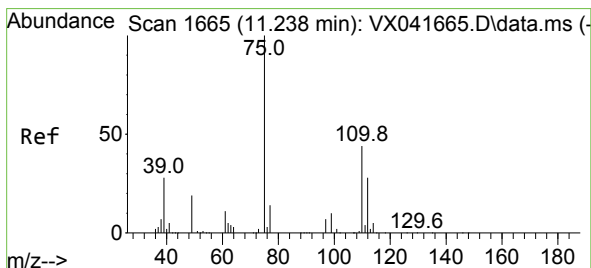
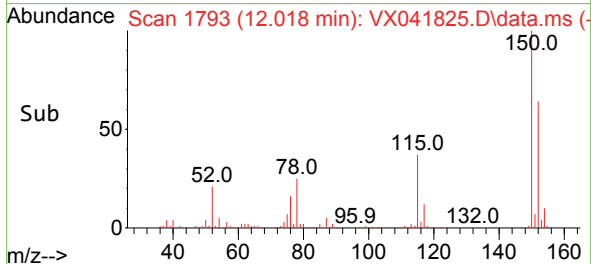
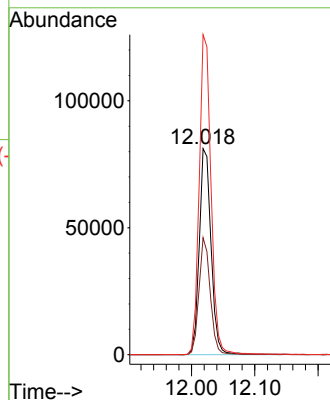
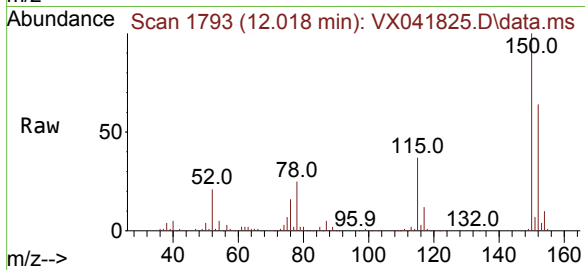
Tgt Ion:152 Resp: 105813

Ion Ratio Lower Upper

152 100

115 54.2 43.3 129.9

150 155.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.340 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041825.D

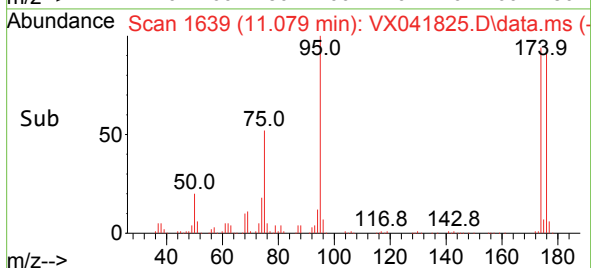
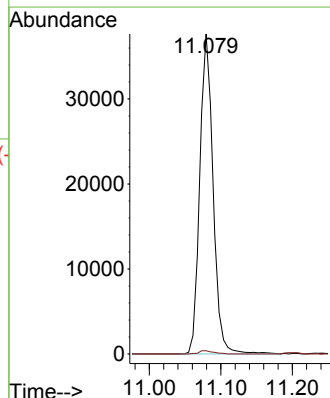
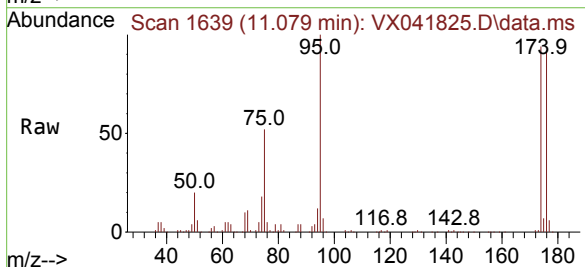
Acq: 11 Jun 2024 13:10

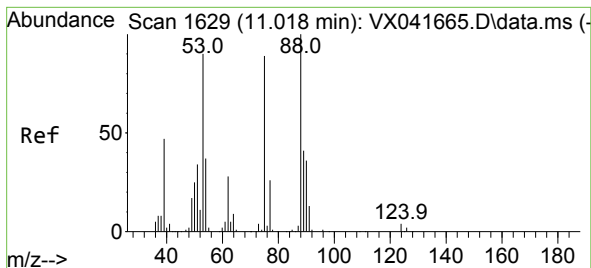
Tgt Ion: 75 Resp: 48630

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

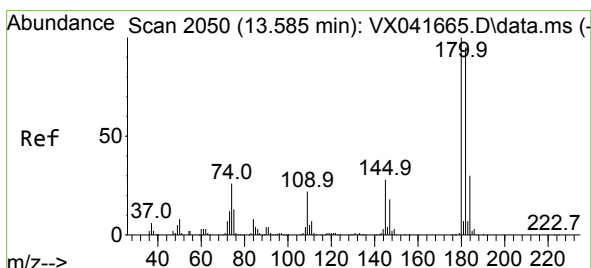
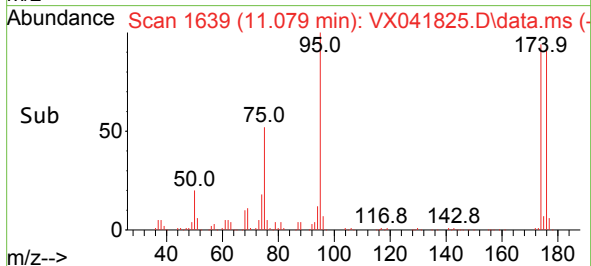
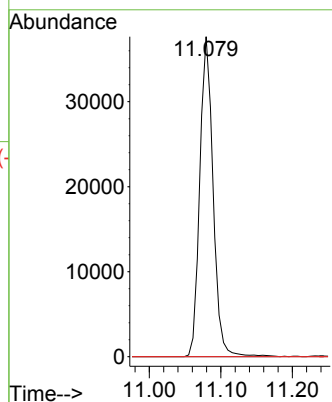
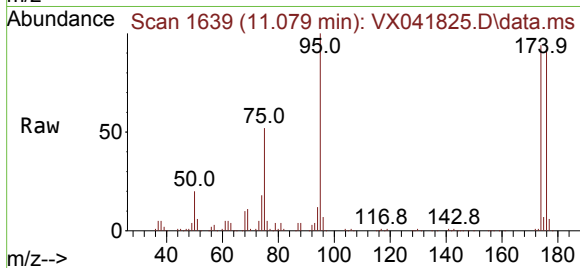




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.791 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

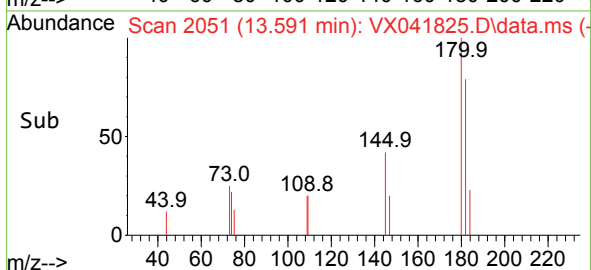
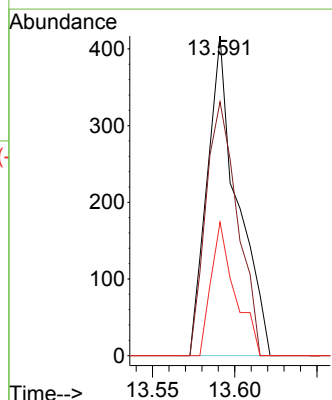
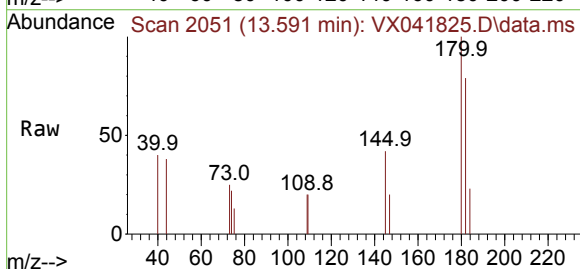
Instrument :  
MSVOA\_X  
ClientSampleId :

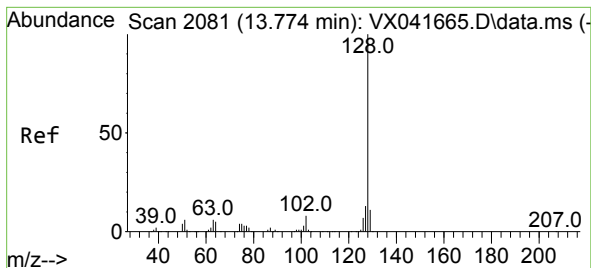
Tgt Ion: 75 Resp: 48630  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.229 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX041825.D  
Acq: 11 Jun 2024 13:10

Tgt Ion: 180 Resp: 532  
Ion Ratio Lower Upper  
180 100  
182 83.3 48.3 144.8  
145 32.9 18.0 54.0





#95

Naphthalene

Concen: 0.370 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041825.D

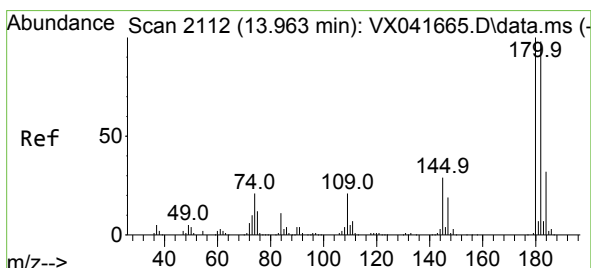
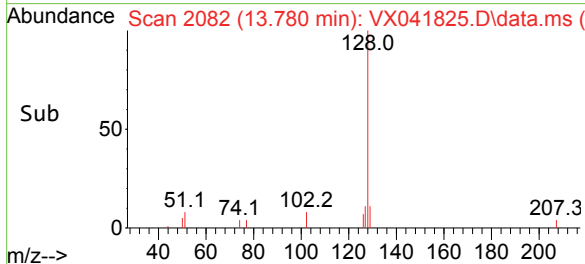
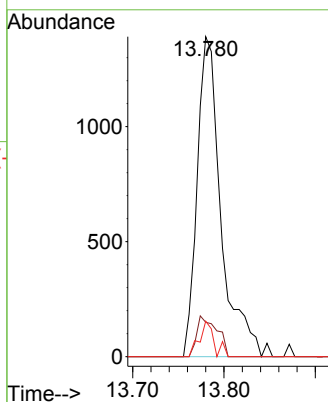
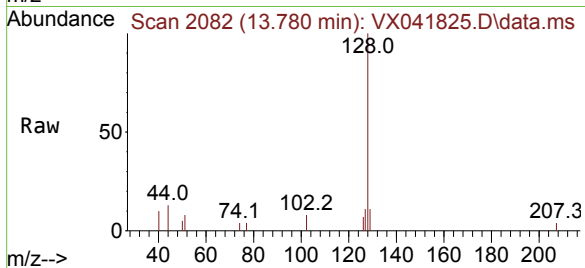
Acq: 11 Jun 2024 13:10

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 2536      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 10.8  | 10.3 15.5 |
| 129         | 6.8   | 8.8 13.2# |



#96

1,2,3-Trichlorobenzene

Concen: 0.295 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041825.D

Acq: 11 Jun 2024 13:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 705        |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 86.1  | 46.9 140.6 |
| 145         | 13.5  | 17.8 53.5# |

