

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082324\  
 Data File : VX043094.D  
 Acq On : 23 Aug 2024 08:59  
 Operator : JC/MD  
 Sample : VX0823MBL01  
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 24 00:45:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082224W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 08:42:59 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.549  | 168  | 281859   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 539198   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 476566   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 206990   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 216509   | 46.731   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.460% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 174257   | 46.839   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.680% |
| 50) Toluene-d8              | 8.646  | 98    | 670358   | 49.968   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.940% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 220866   | 47.300   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 94.600% |

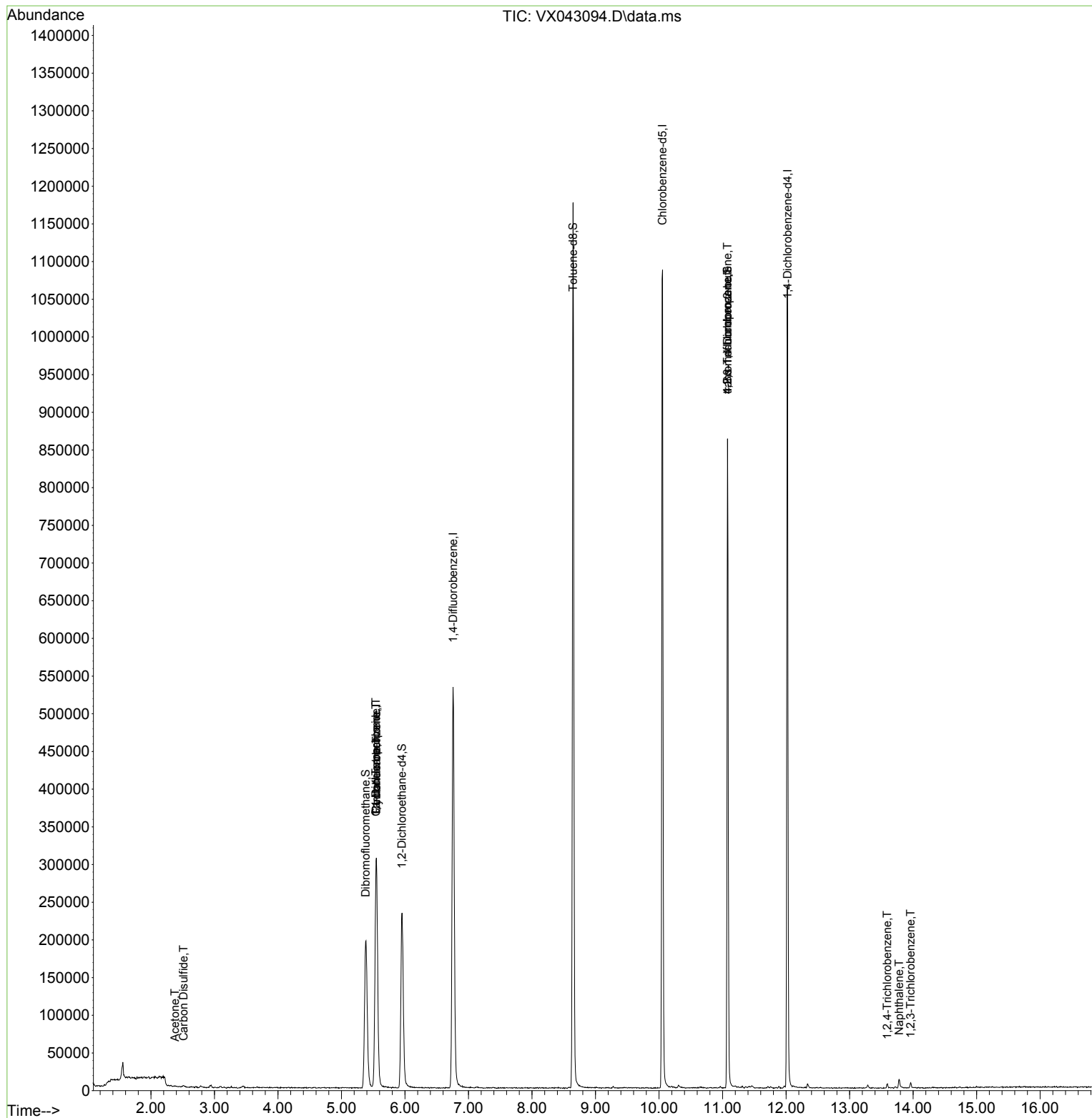
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 13) Acrolein                  | 2.239  | 56   | 737      | Below Cal | #      | 63     |
| 16) Acetone                   | 2.379  | 43   | 1448     | 0.712     | ug/l # | 86     |
| 17) Carbon Disulfide          | 2.513  | 76   | 2593     | 0.304     | ug/l # | 81     |
| 31) Cyclohexane               | 5.549  | 56   | 8289     | 1.435     | ug/l # | 29     |
| 36) 1,1-Dichloropropene       | 5.543  | 75   | 25138    | 5.333     | ug/l # | 51     |
| 38) Carbon Tetrachloride      | 5.543  | 117  | 30137    | 6.119     | ug/l # | 15     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75   | 124162   | 25.758    | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75   | 124162   | 59.703    | ug/l # | 5      |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 1396     | 0.370     | ug/l   | 96     |
| 95) Naphthalene               | 13.780 | 128  | 9854     | 0.668     | ug/l   | 99     |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 1731     | 0.437     | ug/l   | 91     |

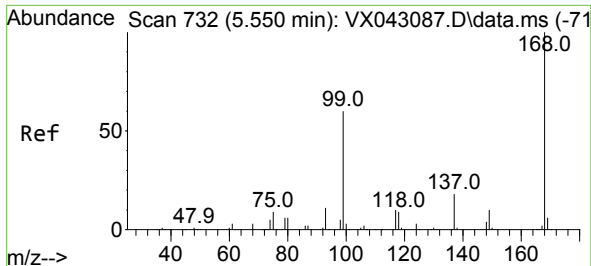
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082324\  
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Sample : VX0823MBL01  
Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Aug 24 00:45:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082224W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 23 08:42:59 2024  
Response via : Initial Calibration

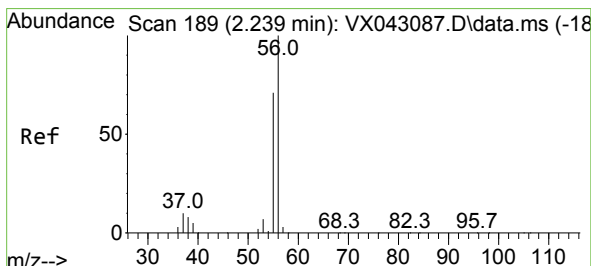
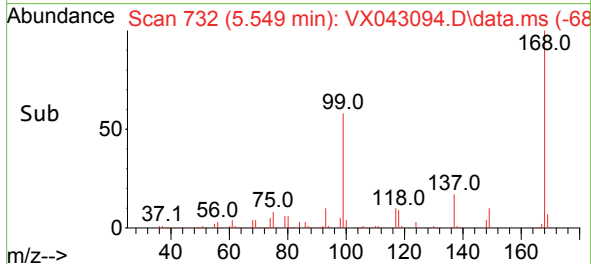
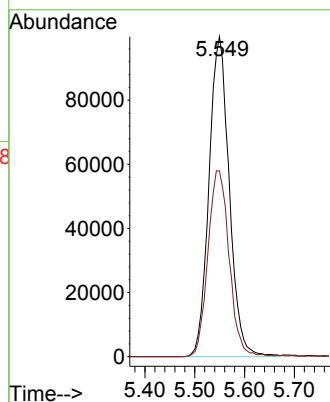
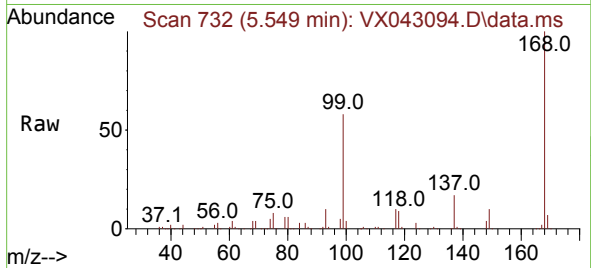




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

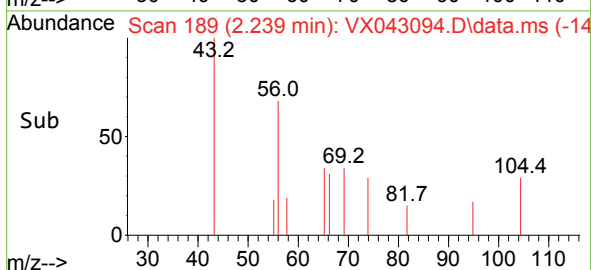
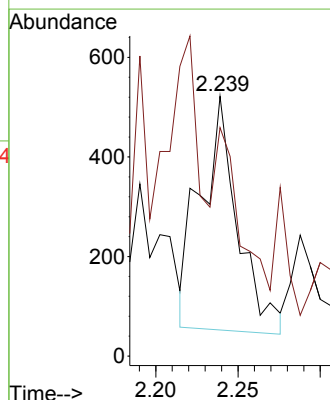
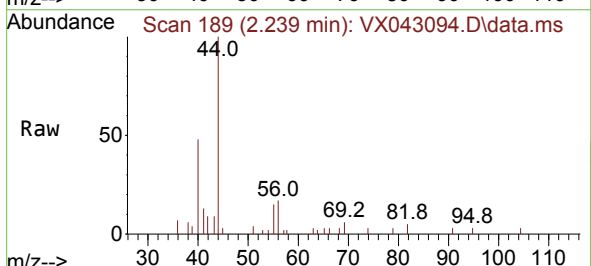
Instrument :  
MSVOA\_X  
ClientSampleId :

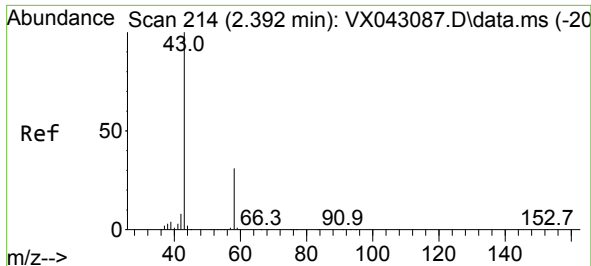
Tgt Ion:168 Resp: 281859  
Ion Ratio Lower Upper  
168 100  
99 58.0 56.6 85.0



#13  
Acrolein  
Concen: Below Cal  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

Tgt Ion: 56 Resp: 737  
Ion Ratio Lower Upper  
56 100  
55 41.0 57.1 85.7#

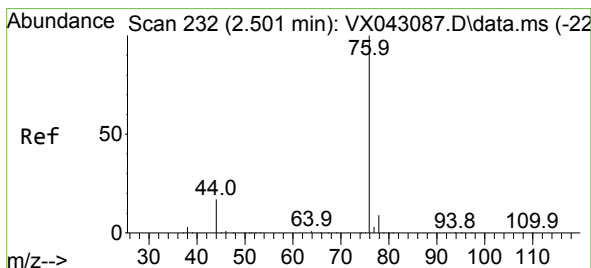
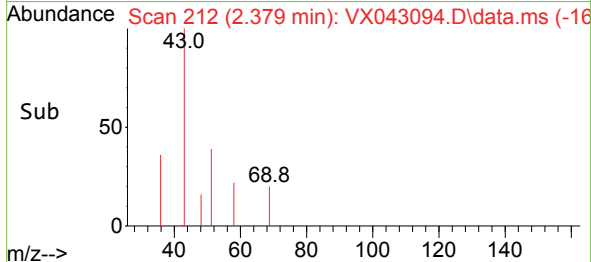
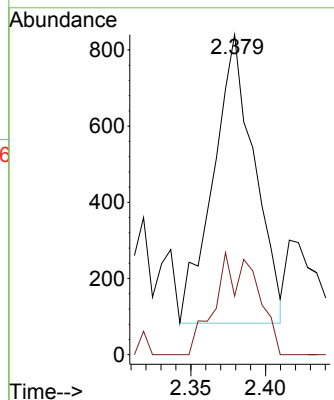
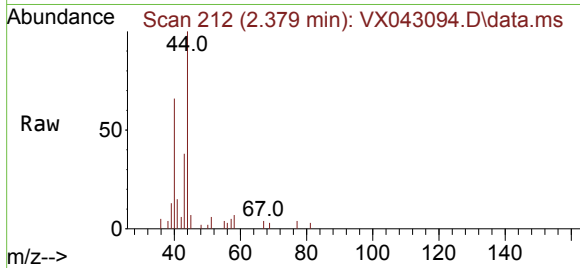




#16  
Acetone  
Concen: 0.712 ug/l  
RT: 2.379 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

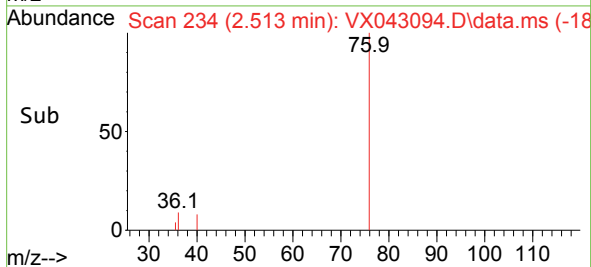
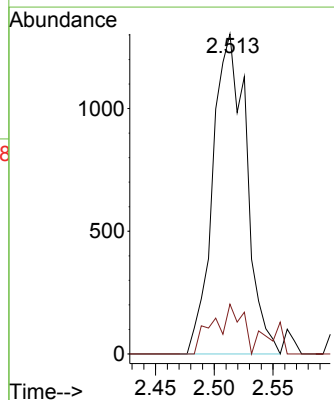
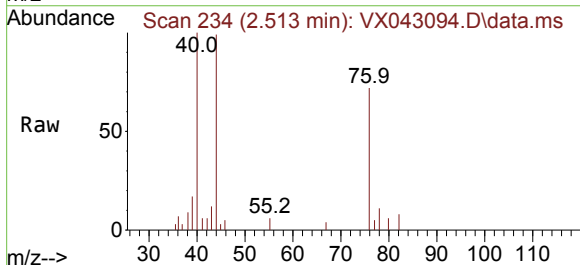
Instrument :  
MSVOA\_X  
ClientSampleId :

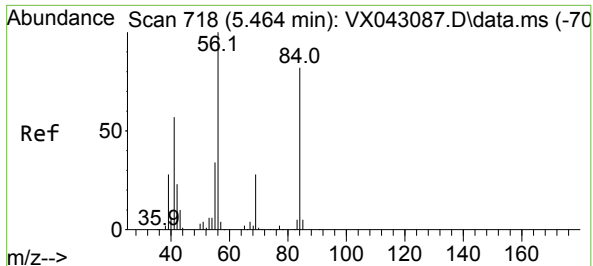
Tgt Ion: 43 Resp: 1448  
Ion Ratio Lower Upper  
43 100  
58 20.3 21.9 32.9#



#17  
Carbon Disulfide  
Concen: 0.304 ug/l  
RT: 2.513 min Scan# 234  
Delta R.T. 0.012 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

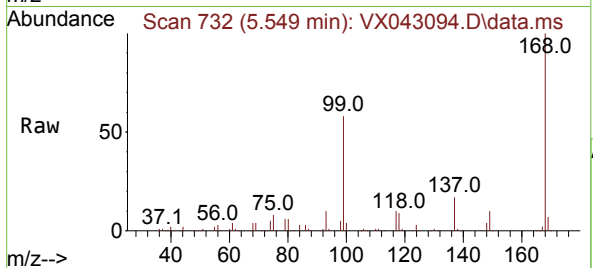
Tgt Ion: 76 Resp: 2593  
Ion Ratio Lower Upper  
76 100  
78 15.6 7.0 10.6#



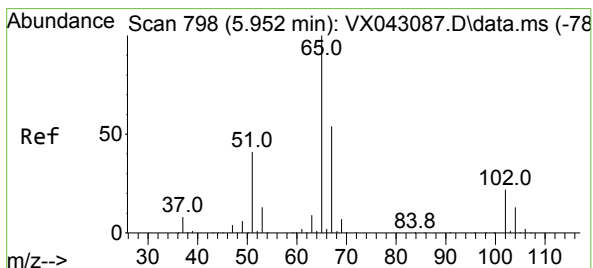
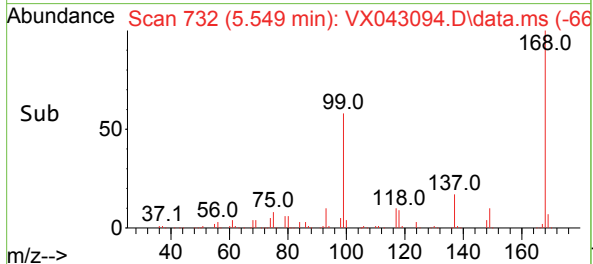
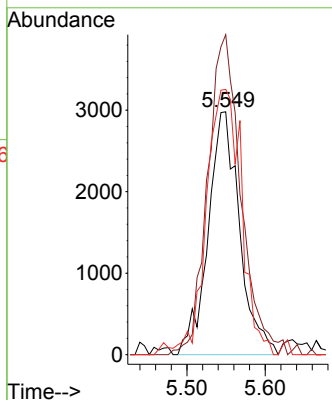


#31  
Cyclohexane  
Concen: 1.435 ug/l  
RT: 5.549 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

Instrument :  
MSVOA\_X  
ClientSampleId :

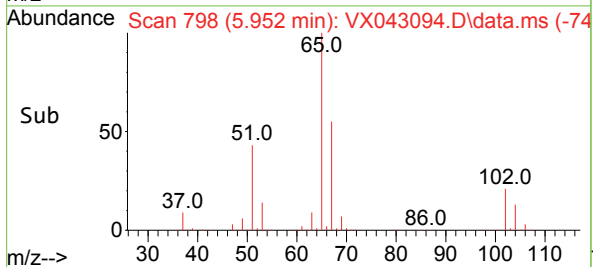
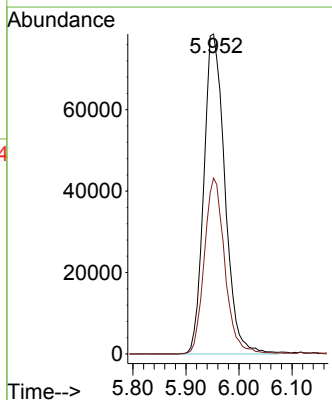
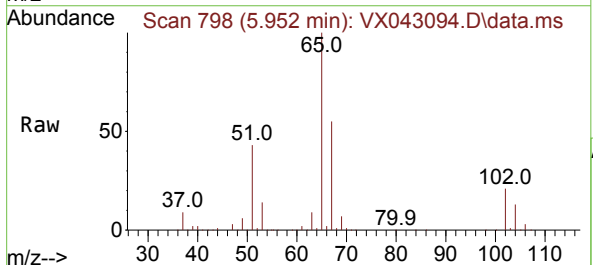


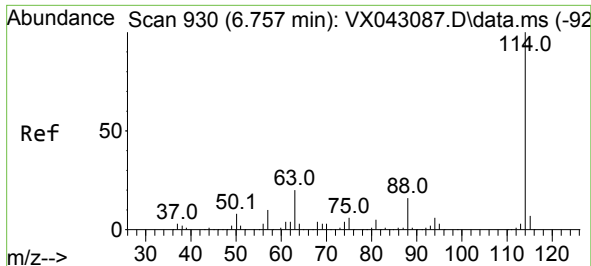
Tgt Ion: 56 Resp: 8289  
Ion Ratio Lower Upper  
56 100  
69 129.8 23.4 35.2#  
84 109.2 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 46.731 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

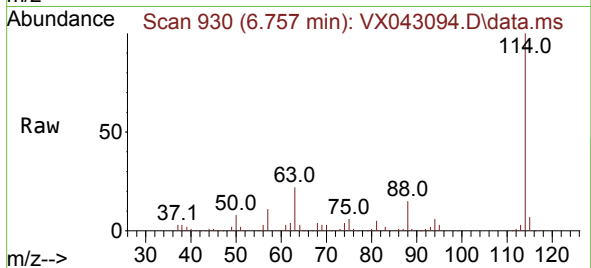
Tgt Ion: 65 Resp: 216509  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 100.2



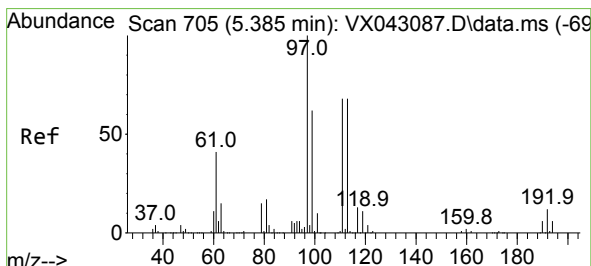
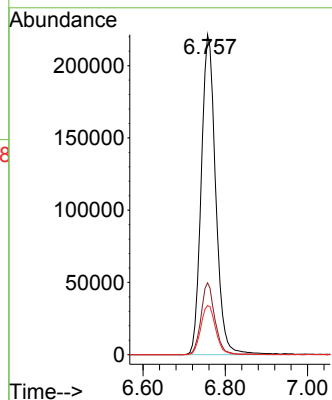
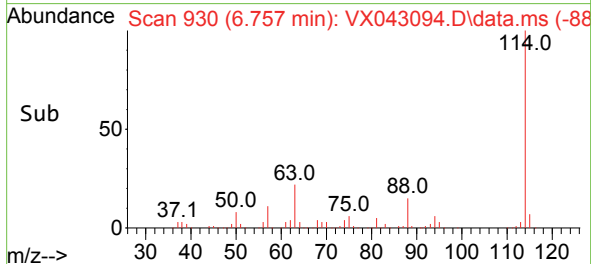


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

Instrument :  
MSVOA\_X  
ClientSampleId :

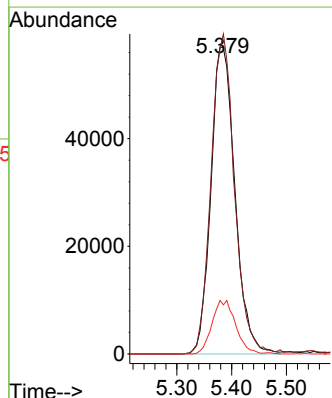
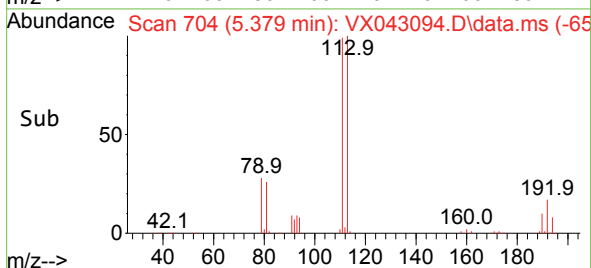
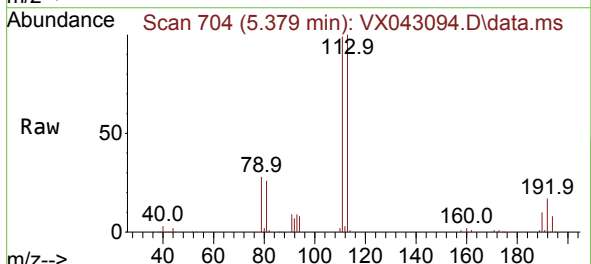


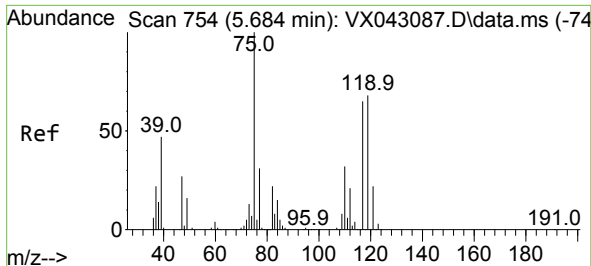
Tgt Ion:114 Resp: 539198  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 45.0  
88 15.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.839 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

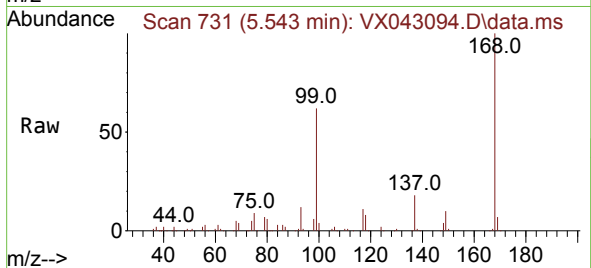
Tgt Ion:113 Resp: 174257  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.9 124.3  
192 17.1 13.3 19.9



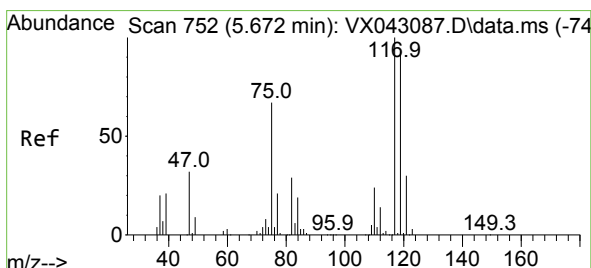
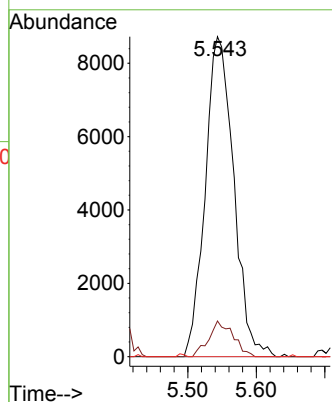
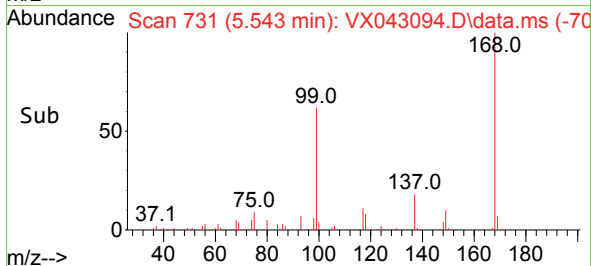


#36  
1,1-Dichloropropene  
Concen: 5.333 ug/l  
RT: 5.543 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

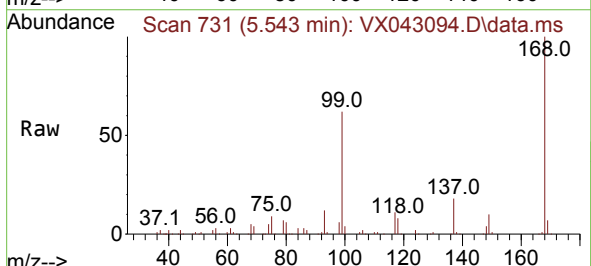
Instrument :  
MSVOA\_X  
ClientSampleId :



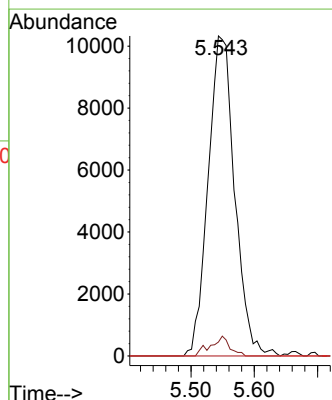
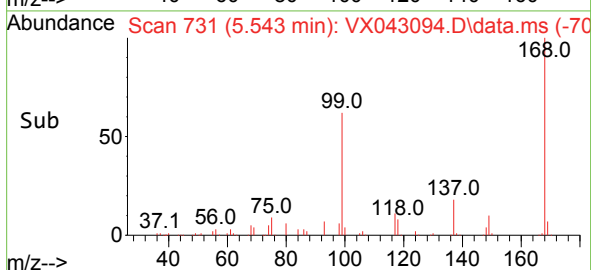
Tgt Ion: 75 Resp: 25138  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#

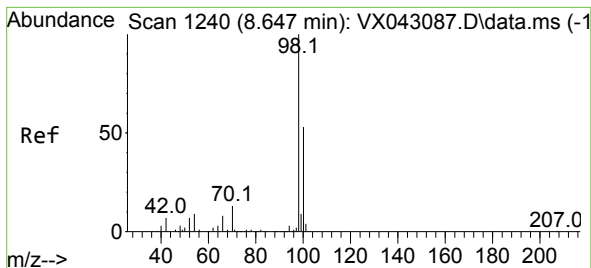


#38  
Carbon Tetrachloride  
Concen: 6.119 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59



Tgt Ion: 117 Resp: 30137  
Ion Ratio Lower Upper  
117 100  
119 4.3 78.2 117.2#  
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.968 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043094.D

Acq: 23 Aug 2024 08:59

Instrument :

MSVOA\_X

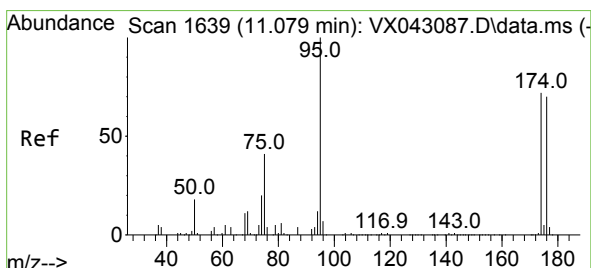
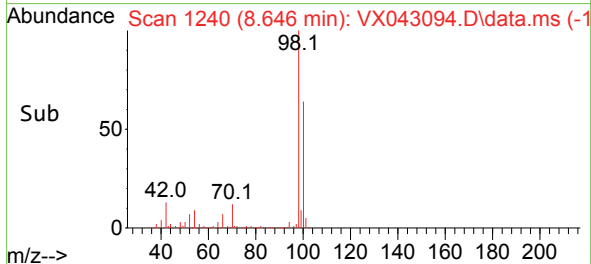
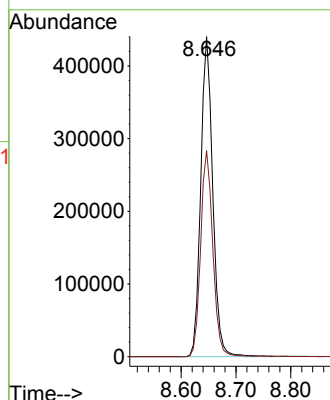
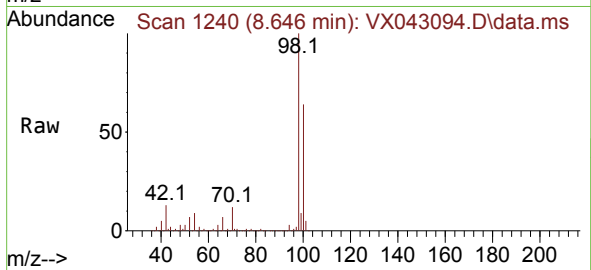
ClientSampleId :

Tgt Ion: 98 Resp: 670358

Ion Ratio Lower Upper

98 100

100 65.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 47.300 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043094.D

Acq: 23 Aug 2024 08:59

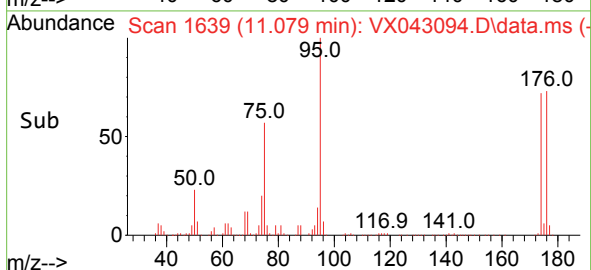
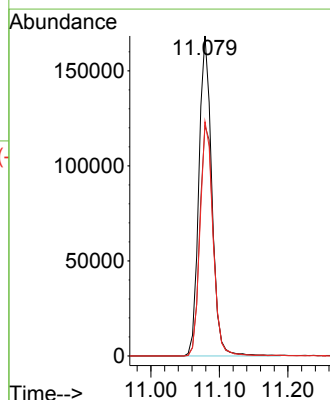
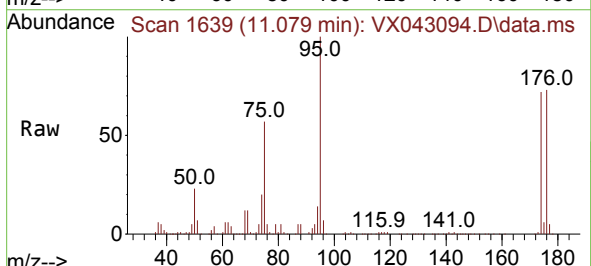
Tgt Ion: 95 Resp: 220866

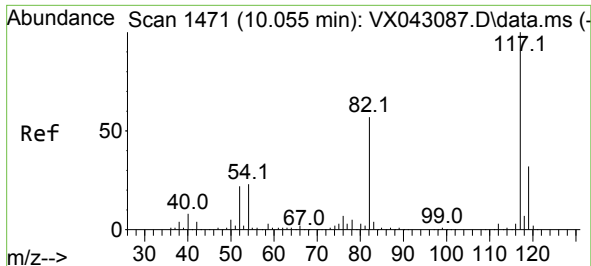
Ion Ratio Lower Upper

95 100

174 75.4 0.0 135.6

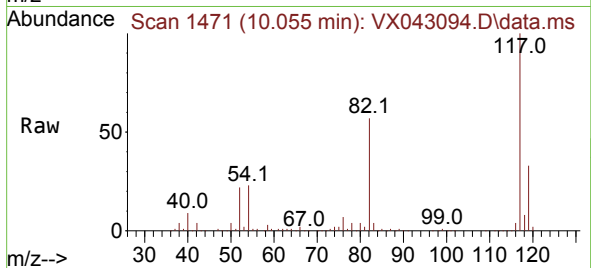
176 73.3 0.0 131.0



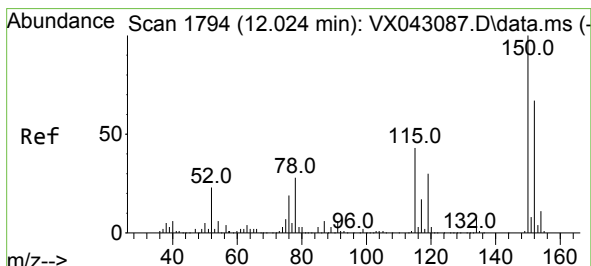
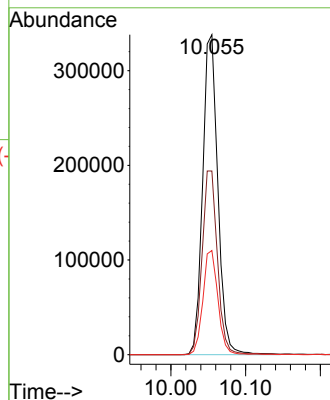
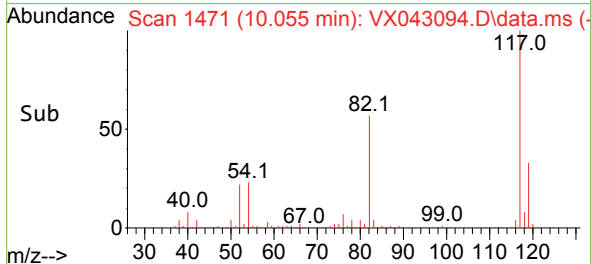


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

Instrument :  
MSVOA\_X  
ClientSampleId :

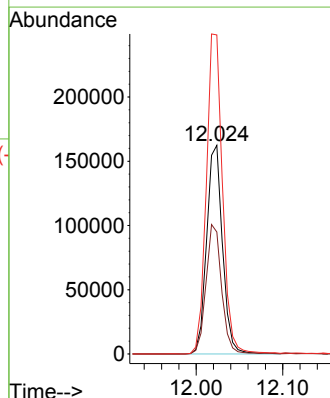
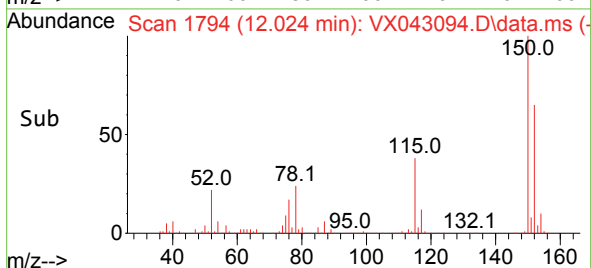
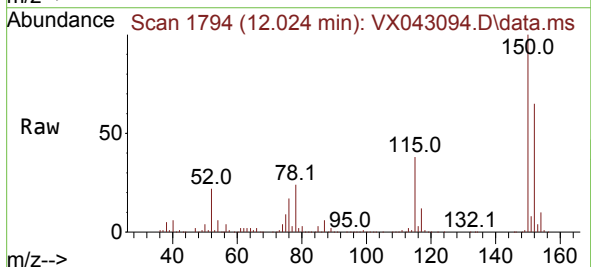


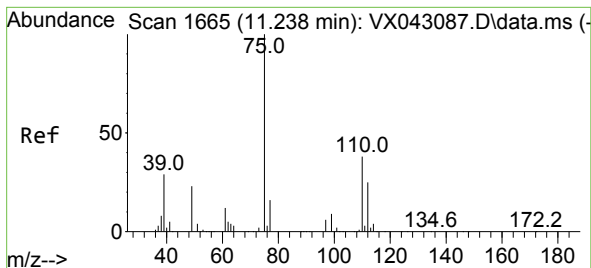
Tgt Ion:117 Resp: 476566  
Ion Ratio Lower Upper  
117 100  
82 57.4 46.2 69.4  
119 32.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX043094.D  
Acq: 23 Aug 2024 08:59

Tgt Ion:152 Resp: 206990  
Ion Ratio Lower Upper  
152 100  
115 61.2 43.3 129.9  
150 157.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.758 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043094.D

Acq: 23 Aug 2024 08:59

Instrument :

MSVOA\_X

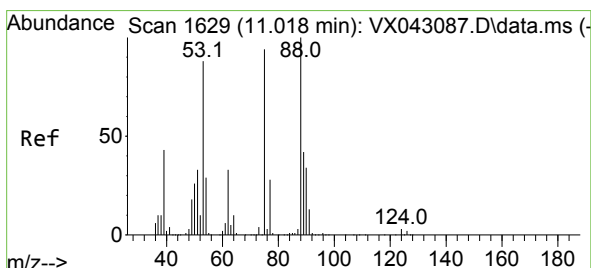
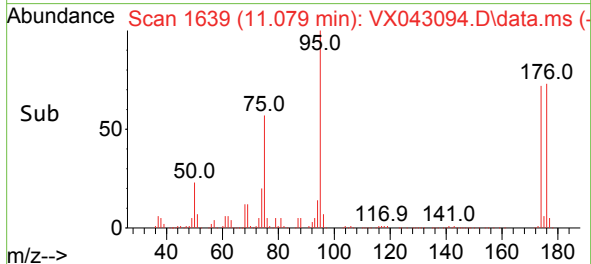
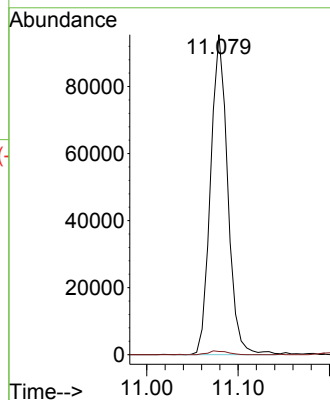
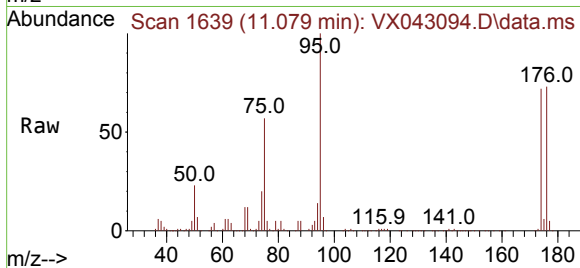
ClientSampleId :

Tgt Ion: 75 Resp: 124162

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.703 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043094.D

Acq: 23 Aug 2024 08:59

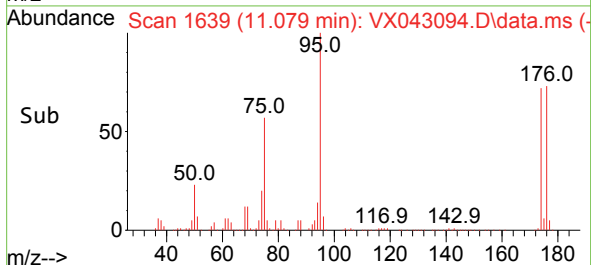
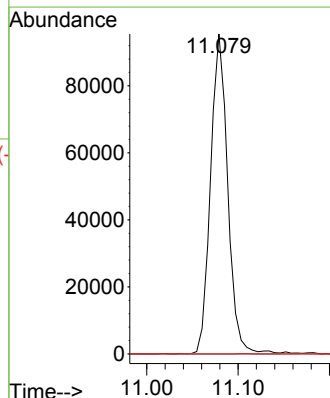
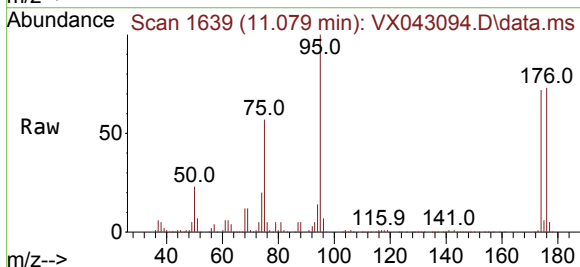
Tgt Ion: 75 Resp: 124162

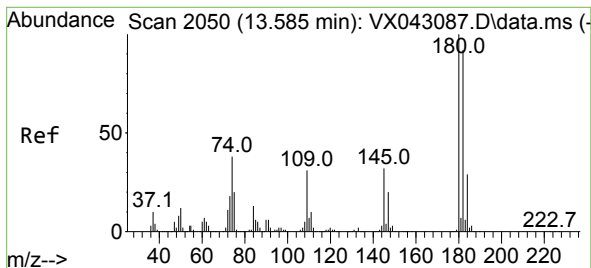
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.370 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043094.D

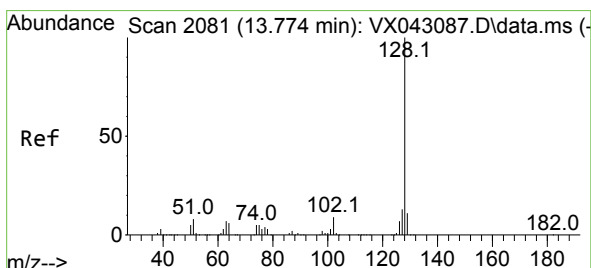
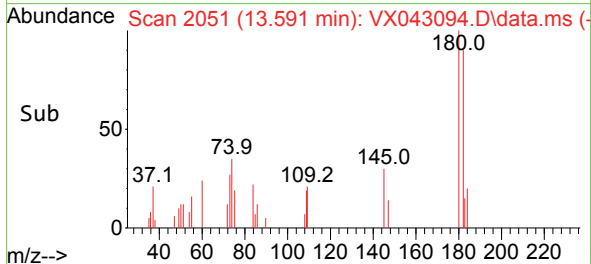
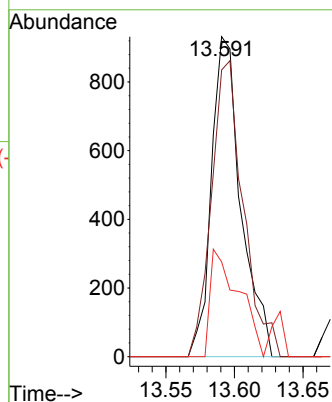
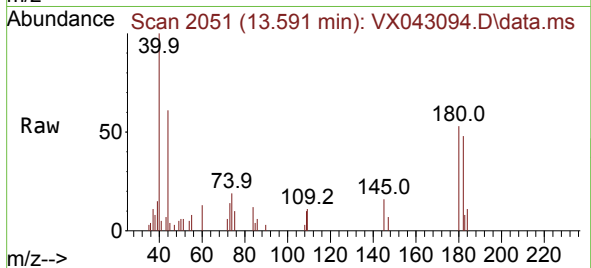
Acq: 23 Aug 2024 08:59

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 1396       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 99.8  | 48.3 144.8 |
| 145         | 32.5  | 18.0 54.0  |



#95

Naphthalene

Concen: 0.668 ug/l

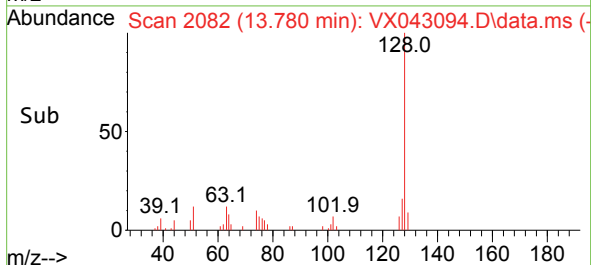
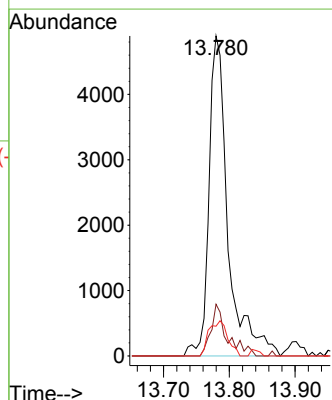
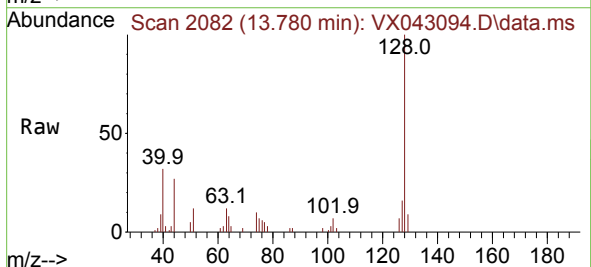
RT: 13.780 min Scan# 2082

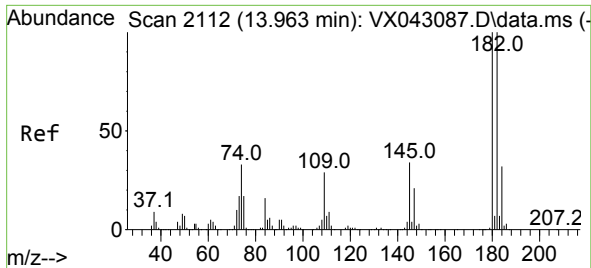
Delta R.T. 0.006 min

Lab File: VX043094.D

Acq: 23 Aug 2024 08:59

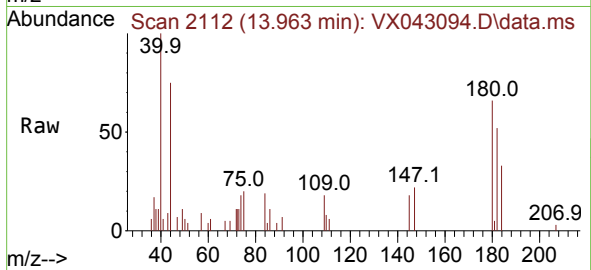
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 9854      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.7  | 10.3 15.5 |
| 129         | 10.9  | 8.8 13.2  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.437 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VX043094.D  
 Acq: 23 Aug 2024 08:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1731  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 82.7  | 46.9  | 140.6 |
| 145       | 35.0  | 17.8  | 53.5  |

