

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
 Data File : VX039878.D  
 Acq On : 22 Jan 2024 13:07  
 Operator : JC/MD  
 Sample : P1184-12RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 23 00:15:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

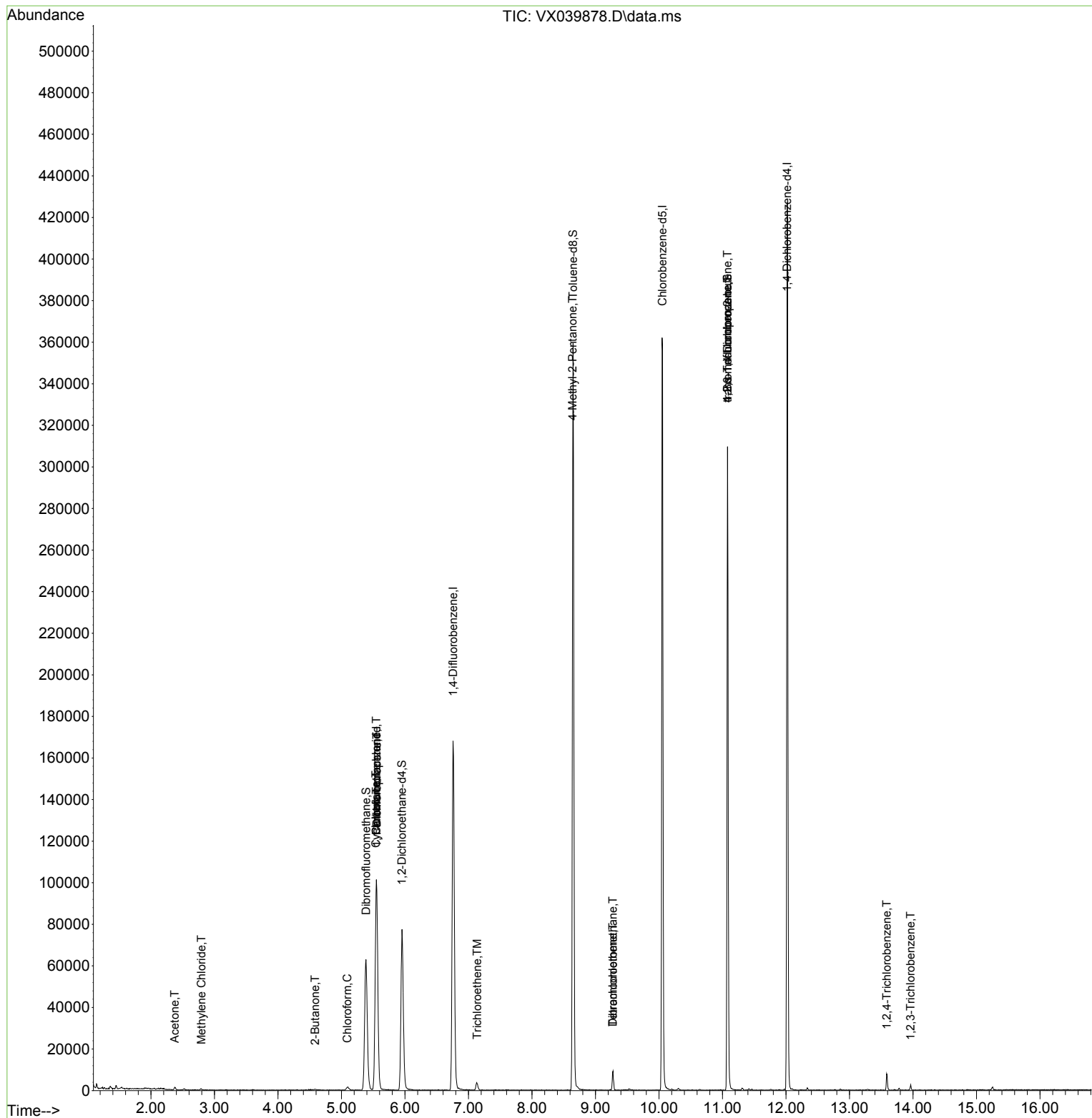
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 91097    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 166550   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 156064   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 79451    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 71156    | 46.629   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 93.260%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 54020    | 48.155   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 96.320%  |
| 50) Toluene-d8                | 8.647  | 98    | 204622   | 48.364   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.720%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 80113    | 48.422   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.840%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.374  | 43    | 1351     | 1.574    | ug/l   | 94       |
| 20) Methylene Chloride        | 2.794  | 84    | 313      | 0.241    | ug/l # | 57       |
| 25) 2-Butanone                | 4.587  | 43    | 388      | 0.315    | ug/l # | 51       |
| 30) Chloroform                | 5.093  | 83    | 1928     | 0.862    | ug/l   | 85       |
| 31) Cyclohexane               | 5.544  | 56    | 2469     | 1.226    | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 8145     | 4.665    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 9928     | 6.208    | ug/l # | 15       |
| 44) Trichloroethene           | 7.135  | 130   | 1338     | 1.104    | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 971      | 0.413    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 1511     | 1.274    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 1306     | 1.287    | ug/l # | 83       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 45329    | 22.006   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 45329    | 63.861   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180   | 1962     | 1.203    | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 631      | 0.383    | ug/l   | 86       |
| -----                         |        |       |          |          |        |          |

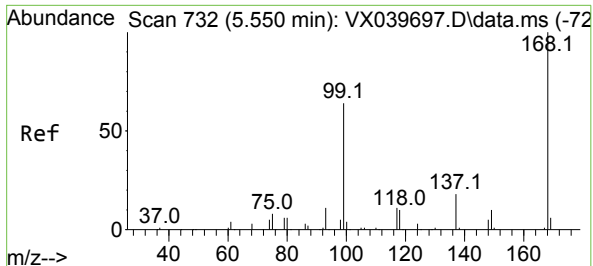
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
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Sample : P1184-12RE  
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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 23 00:15:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration



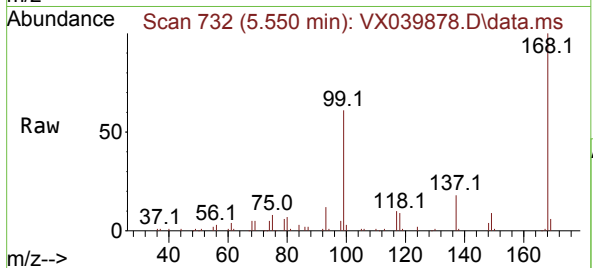


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

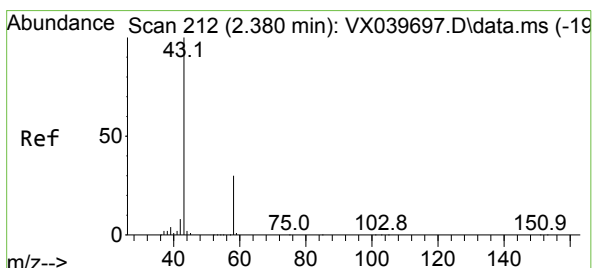
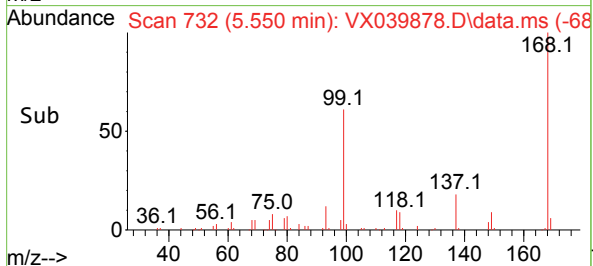
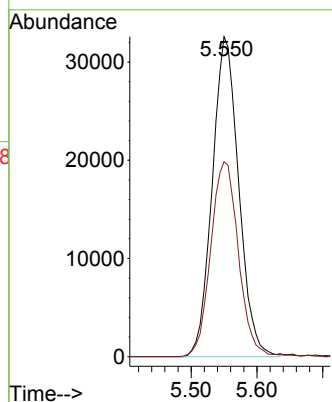
Instrument :

MSVOA\_X

ClientSampleId :

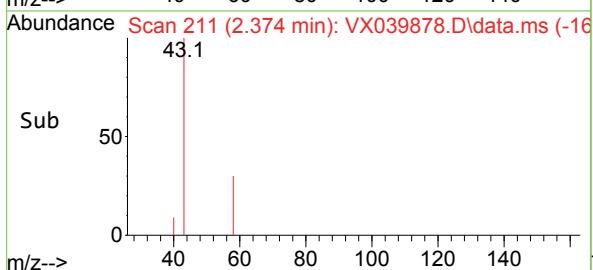
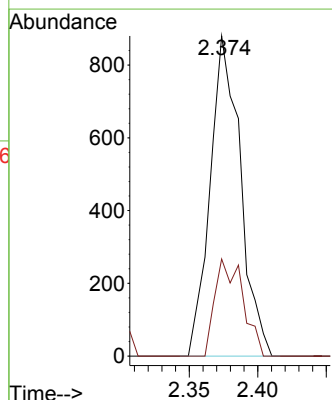
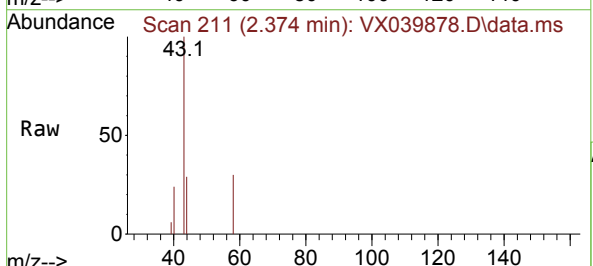


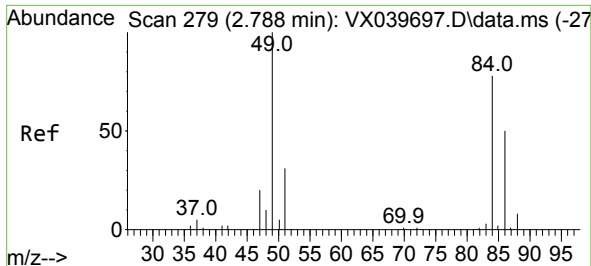
Tgt Ion:168 Resp: 91097  
Ion Ratio Lower Upper  
168 100  
99 60.9 56.6 85.0



#16  
Acetone  
Concen: 1.574 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

Tgt Ion: 43 Resp: 1351  
Ion Ratio Lower Upper  
43 100  
58 30.3 21.9 32.9





#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

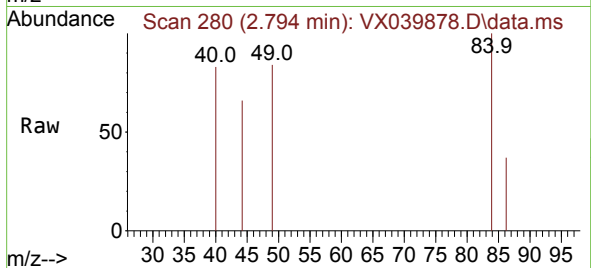
Lab File: VX039878.D

Acq: 22 Jan 2024 13:07

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 313

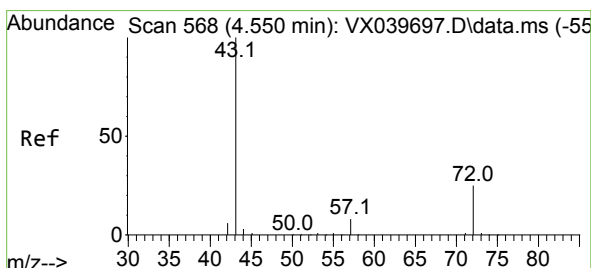
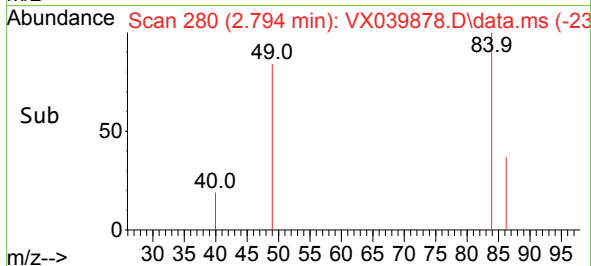
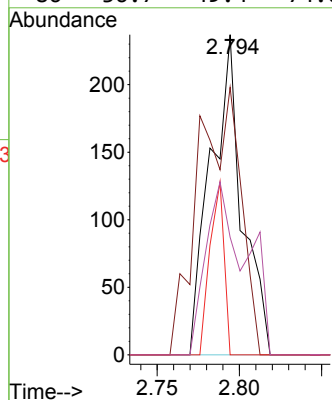
Ion Ratio Lower Upper

84 100

49 83.5 103.6 155.4#

51 0.0 33.8 50.6#

86 36.7 49.4 74.0#



#25

2-Butanone

Concen: 0.315 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.037 min

Lab File: VX039878.D

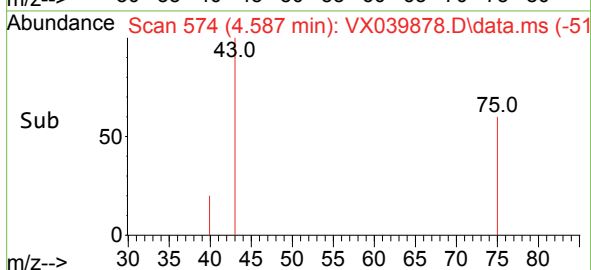
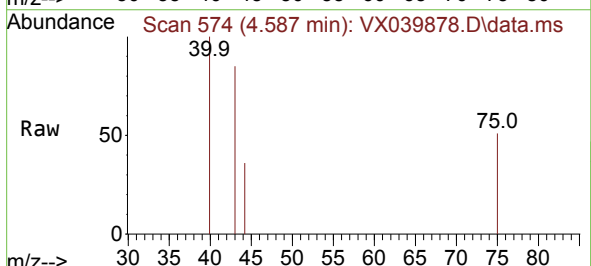
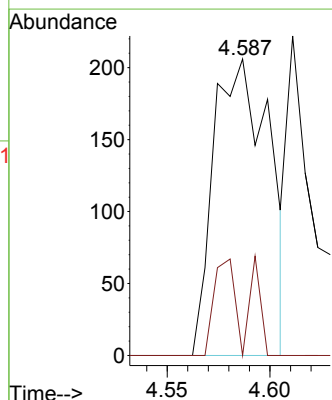
Acq: 22 Jan 2024 13:07

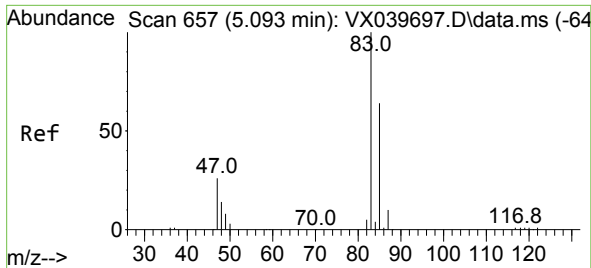
Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

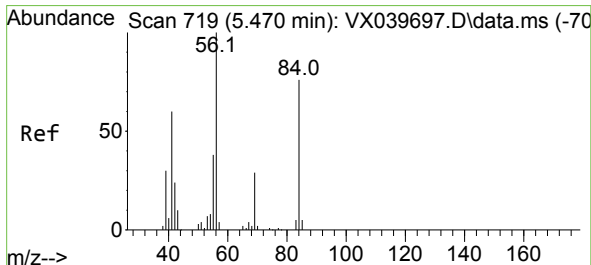
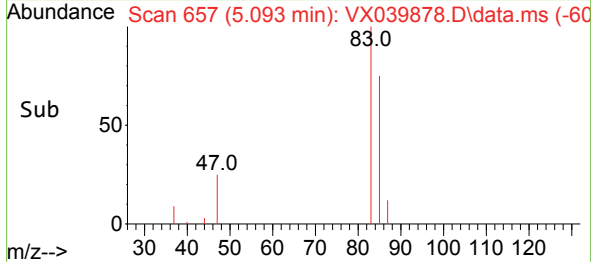
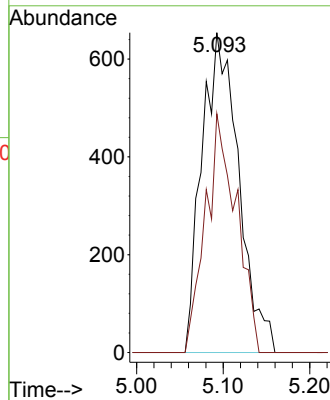
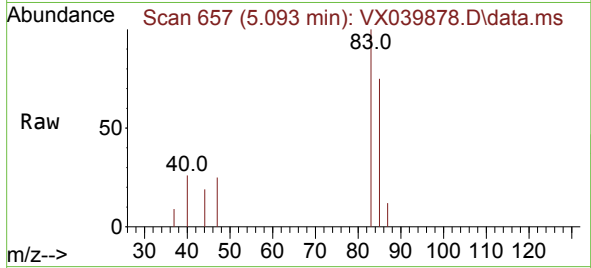




#30  
Chloroform  
Concen: 0.862 ug/l  
RT: 5.093 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

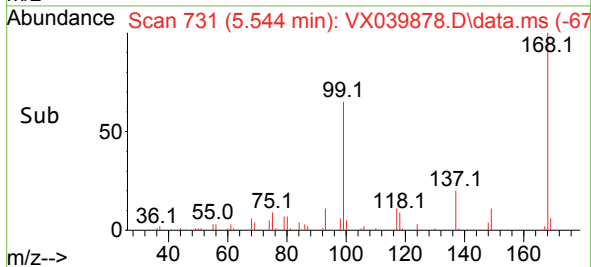
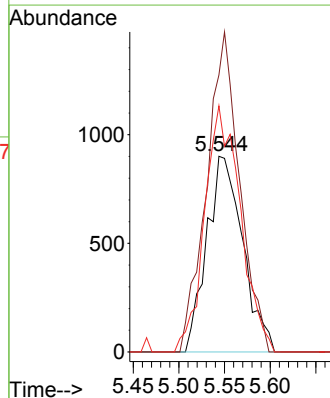
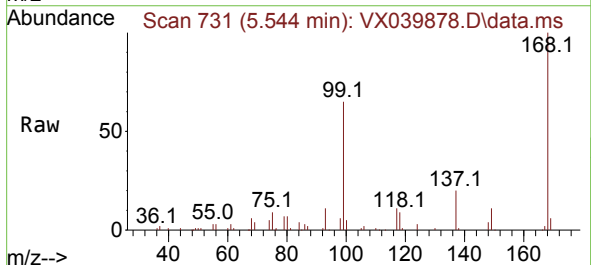
Instrument :  
MSVOA\_X  
ClientSampleId :

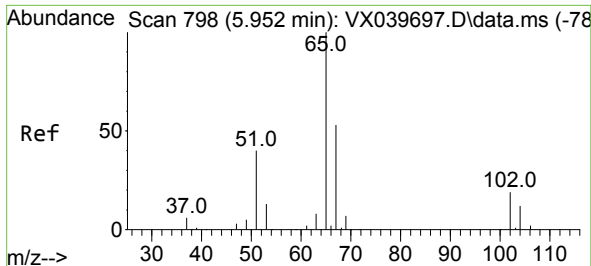
Tgt Ion: 83 Resp: 1928  
Ion Ratio Lower Upper  
83 100  
85 74.6 50.3 75.5



#31  
Cyclohexane  
Concen: 1.226 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

Tgt Ion: 56 Resp: 2469  
Ion Ratio Lower Upper  
56 100  
69 141.5 23.4 35.2#  
84 125.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.629 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039878.D

Acq: 22 Jan 2024 13:07

Instrument :

MSVOA\_X

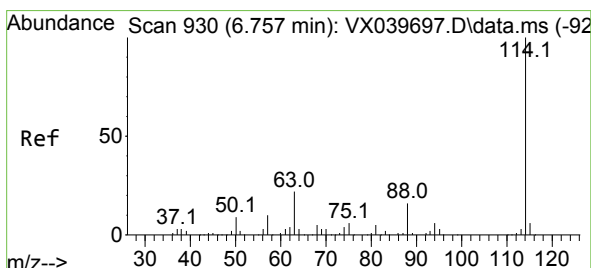
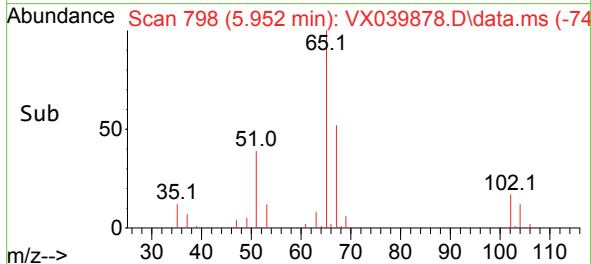
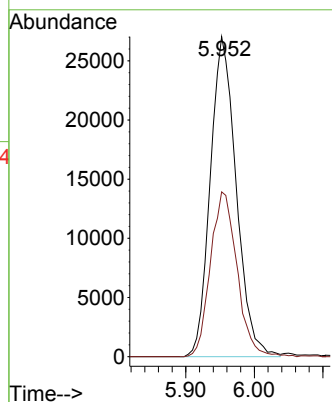
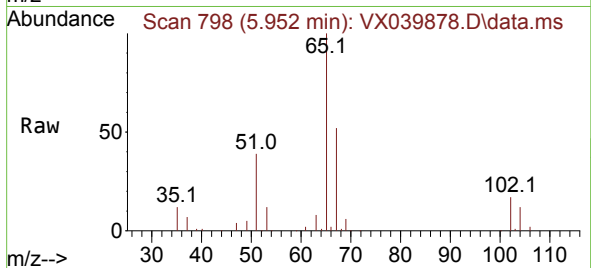
ClientSampleId :

Tgt Ion: 65 Resp: 71156

Ion Ratio Lower Upper

65 100

67 52.7 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: VX039878.D

Acq: 22 Jan 2024 13:07

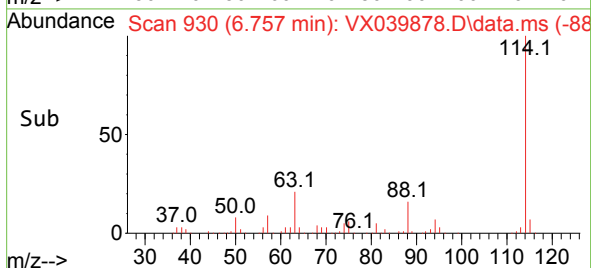
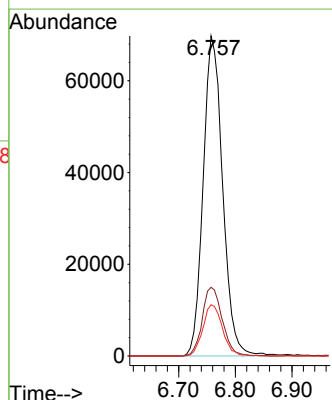
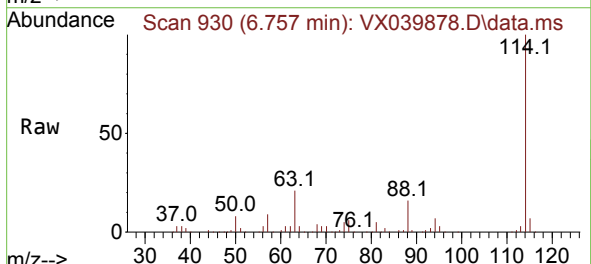
Tgt Ion: 114 Resp: 166550

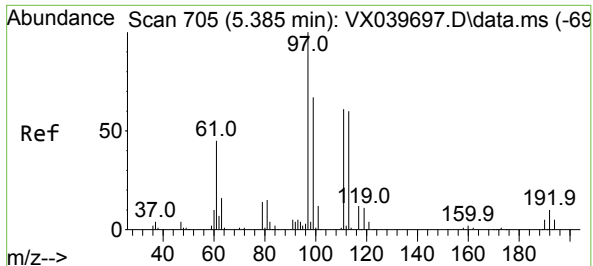
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.155 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

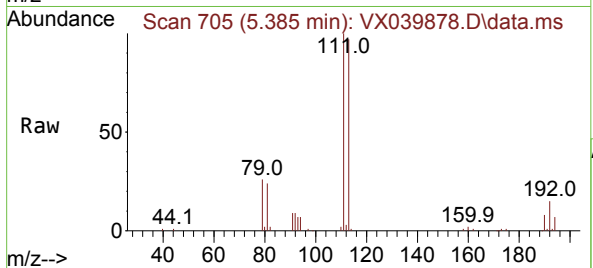
Lab File: VX039878.D

Acq: 22 Jan 2024 13:07

Instrument :

MSVOA\_X

ClientSampleId :



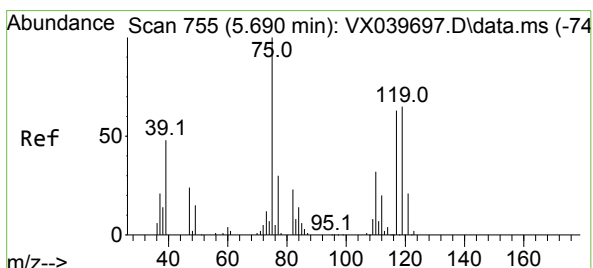
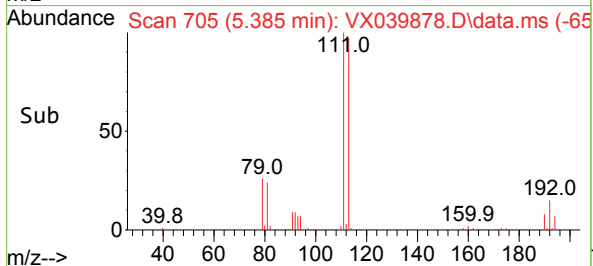
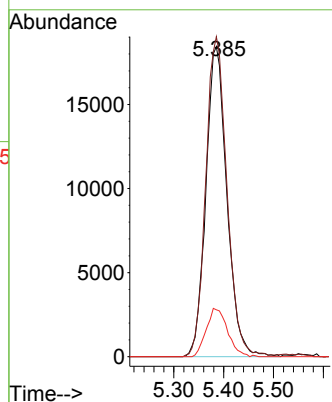
Tgt Ion:113 Resp: 54020

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

192 15.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX039878.D

Acq: 22 Jan 2024 13:07

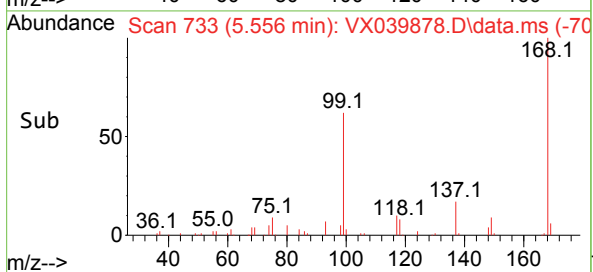
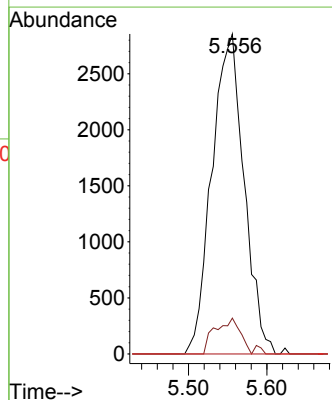
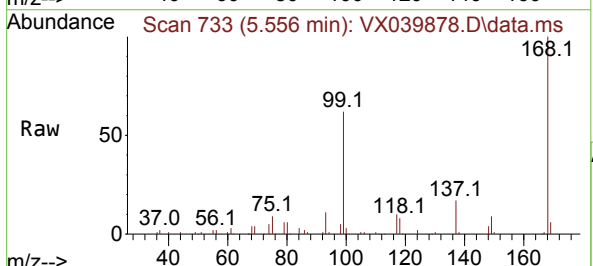
Tgt Ion: 75 Resp: 8145

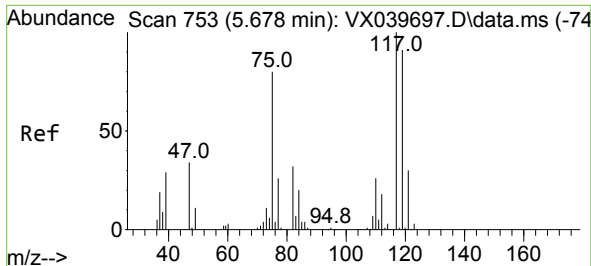
Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

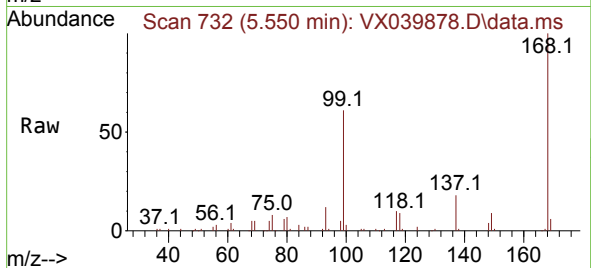
77 0.0 24.7 37.1#



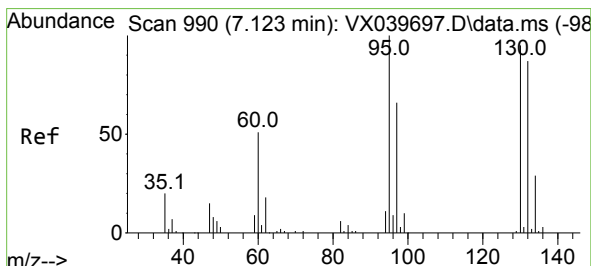
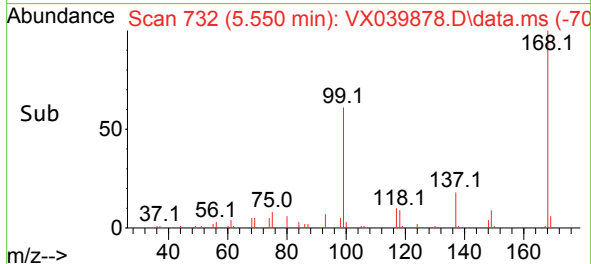
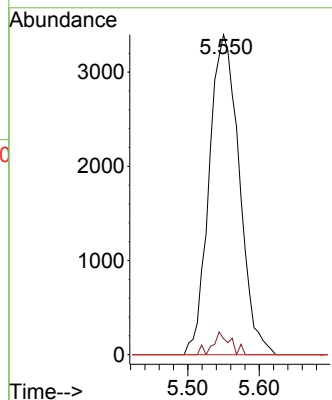


#38  
Carbon Tetrachloride  
Concen: 6.208 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

Instrument :  
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ClientSampleId :

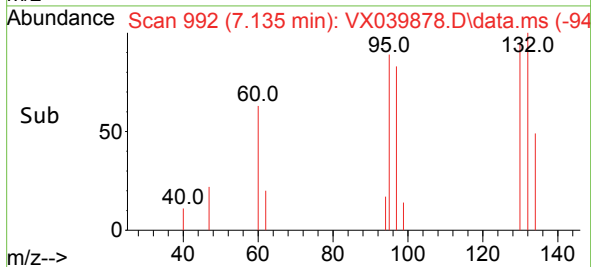
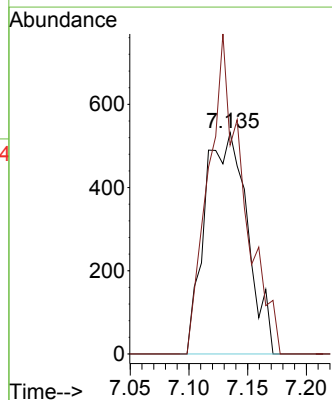
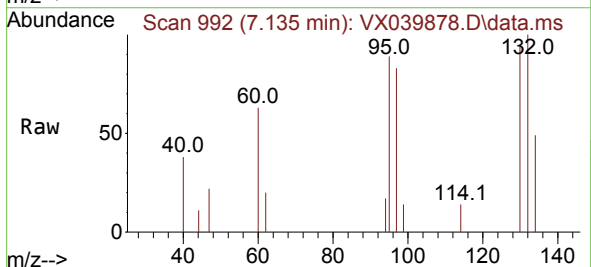


Tgt Ion:117 Resp: 9928  
Ion Ratio Lower Upper  
117 100  
119 5.0 78.2 117.2#  
121 0.0 24.4 36.6#

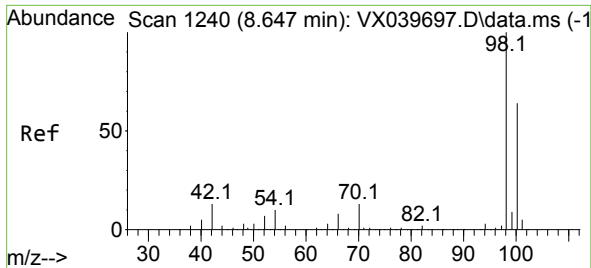


#44  
Trichloroethene  
Concen: 1.104 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

Tgt Ion:130 Resp: 1338  
Ion Ratio Lower Upper  
130 100  
95 94.4 0.0 204.4



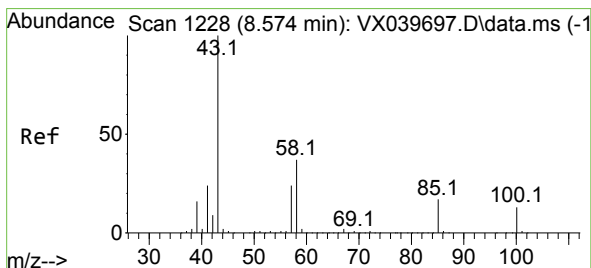
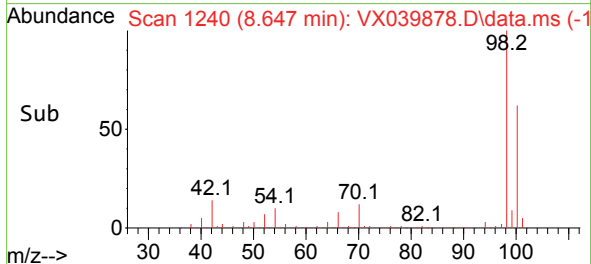
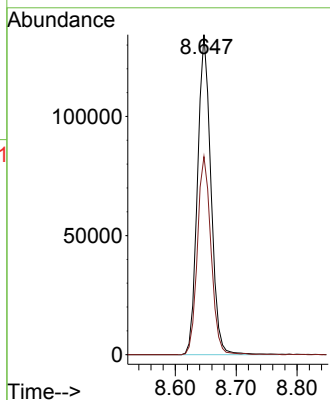
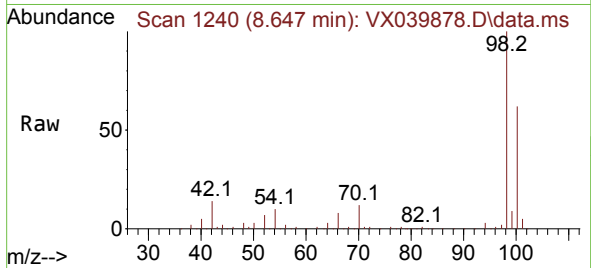




#50  
Toluene-d8  
Concen: 48.364 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

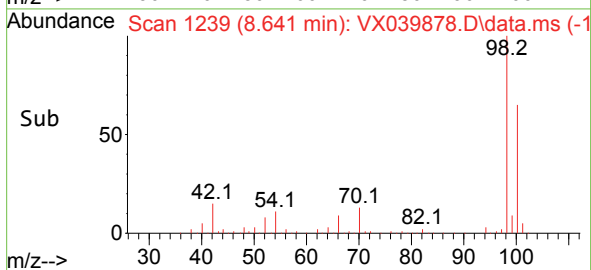
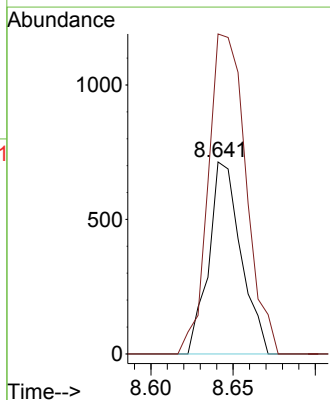
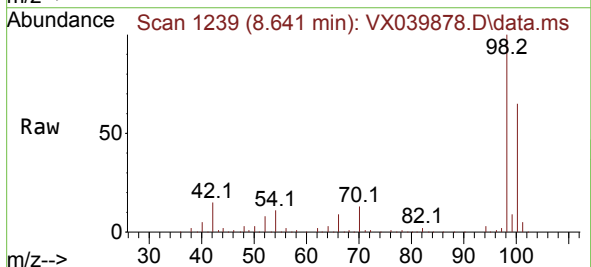
Instrument :  
MSVOA\_X  
ClientSampleId :

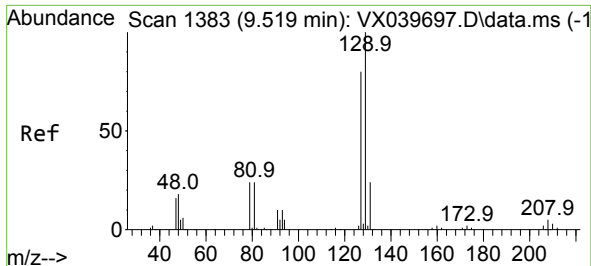
Tgt Ion: 98 Resp: 204622  
Ion Ratio Lower Upper  
98 100  
100 63.0 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.413 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

Tgt Ion: 43 Resp: 971  
Ion Ratio Lower Upper  
43 100  
58 195.3 30.4 45.6#

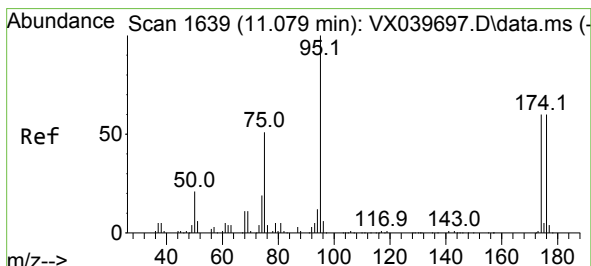
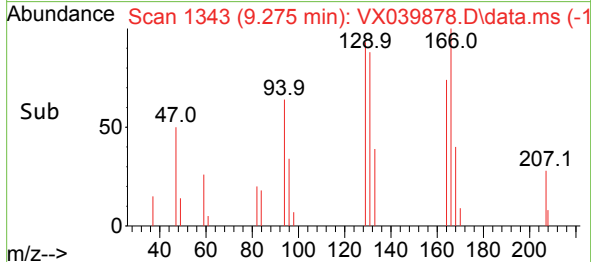
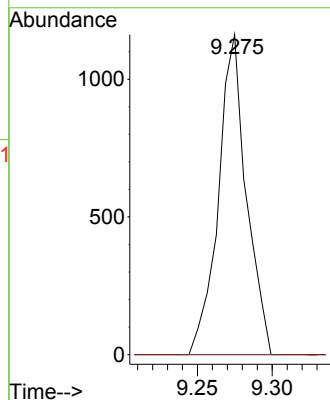
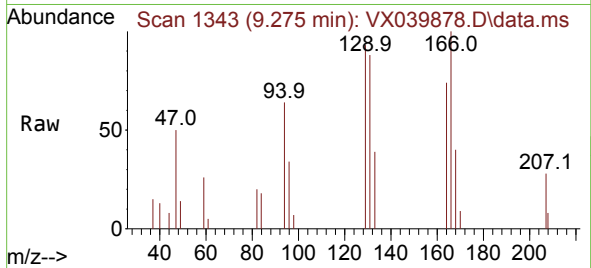




#60  
Dibromochloromethane  
Concen: 1.274 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

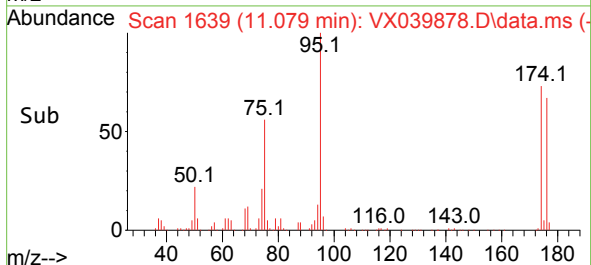
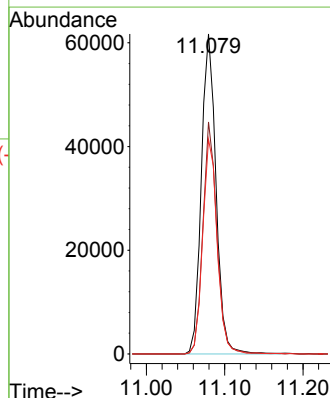
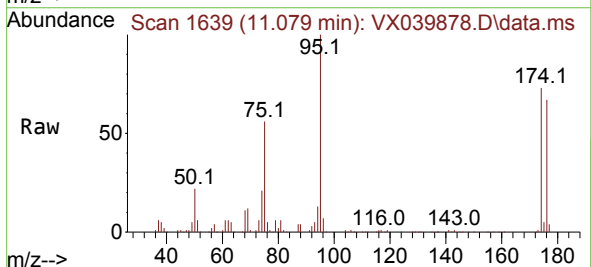
Instrument :  
MSVOA\_X  
ClientSampleId :

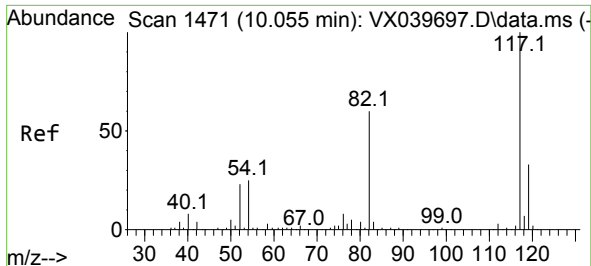
Tgt Ion:129 Resp: 1511  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 48.422 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

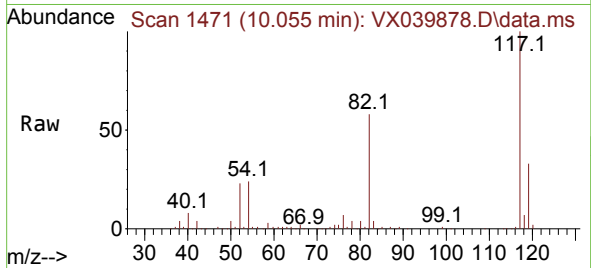
Tgt Ion: 95 Resp: 80113  
Ion Ratio Lower Upper  
95 100  
174 69.4 0.0 135.6  
176 66.6 0.0 131.0



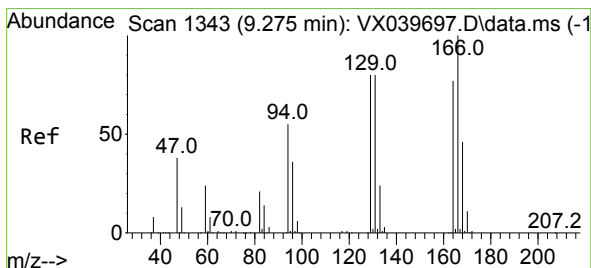
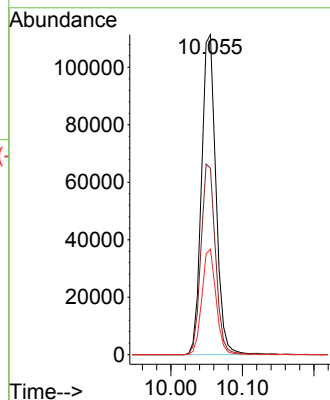
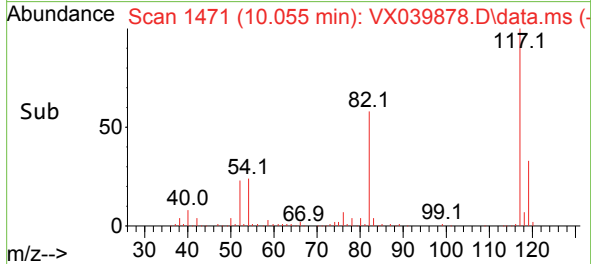


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07

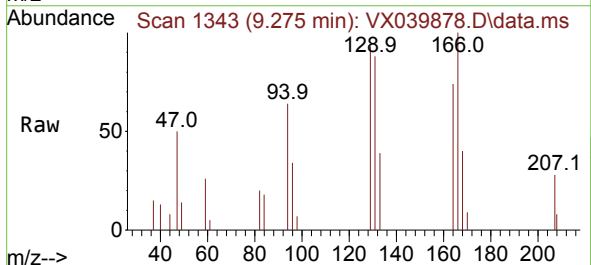
Instrument :  
MSVOA\_X  
ClientSampleId :



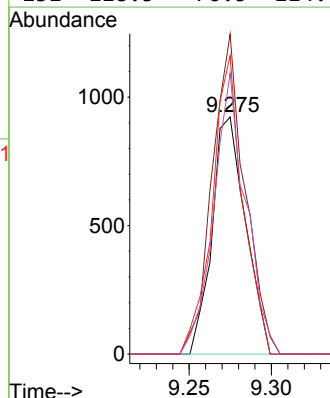
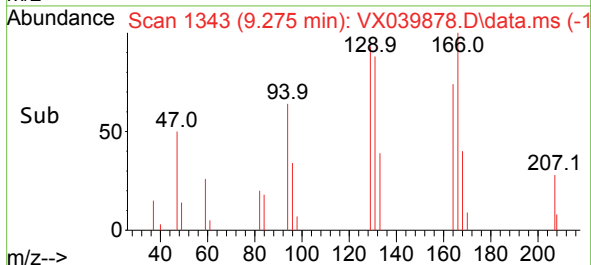
Tgt Ion:117 Resp: 156064  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.2 69.4  
119 33.0 25.5 38.3

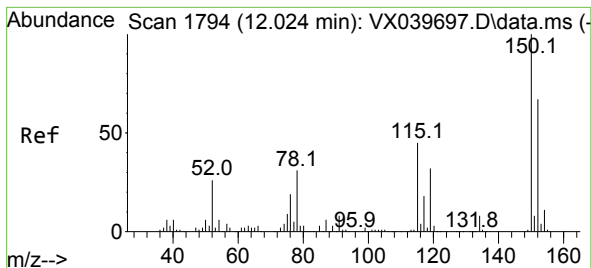


#64  
Tetrachloroethene  
Concen: 1.287 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX039878.D  
Acq: 22 Jan 2024 13:07



Tgt Ion:164 Resp: 1306  
Ion Ratio Lower Upper  
164 100  
166 135.0 102.7 154.1  
129 125.9 80.4 120.6#  
131 118.5 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: VX039878.D

Acq: 22 Jan 2024 13:07

Instrument :

MSVOA\_X

ClientSampleId :

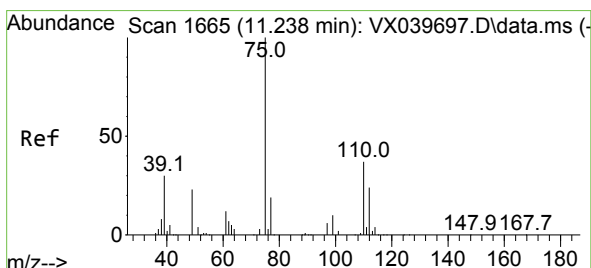
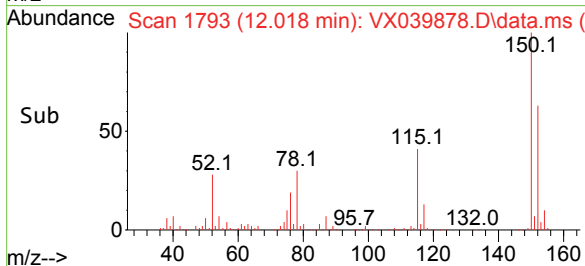
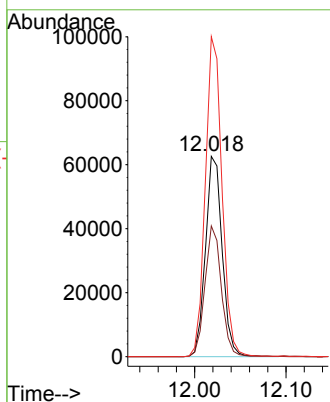
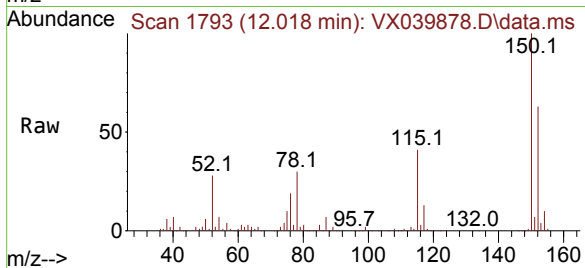
Tgt Ion:152 Resp: 79451

Ion Ratio Lower Upper

152 100

115 64.0 43.3 129.9

150 158.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039878.D

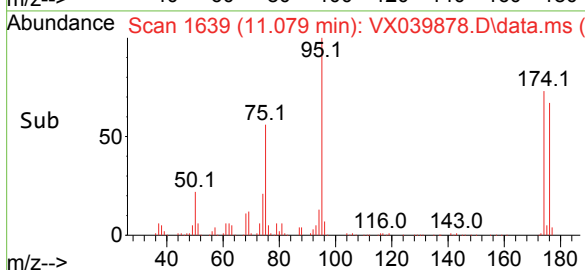
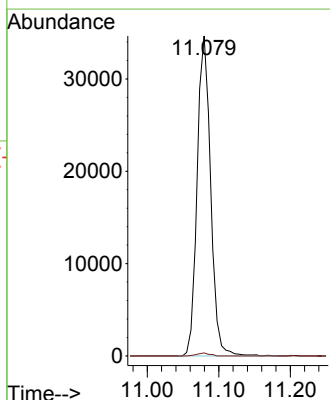
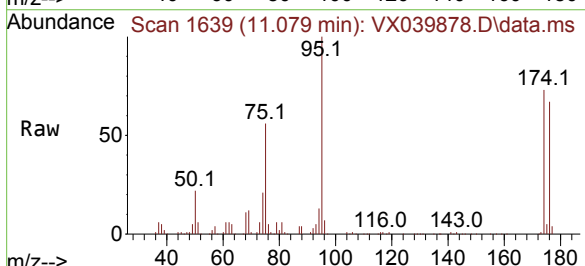
Acq: 22 Jan 2024 13:07

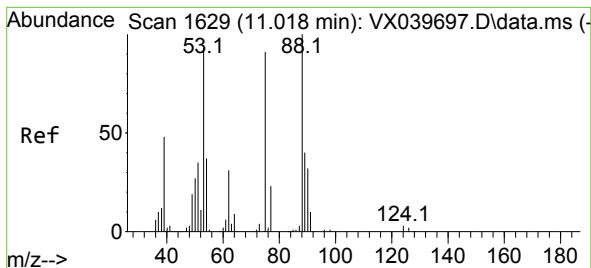
Tgt Ion: 75 Resp: 45329

Ion Ratio Lower Upper

75 100

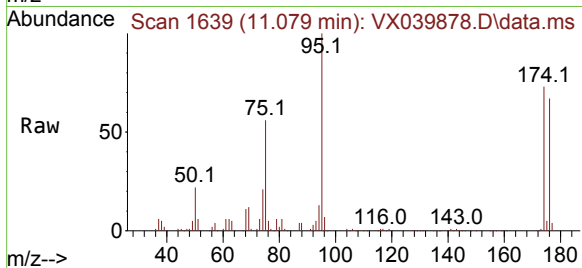
77 0.9 19.1 57.5#



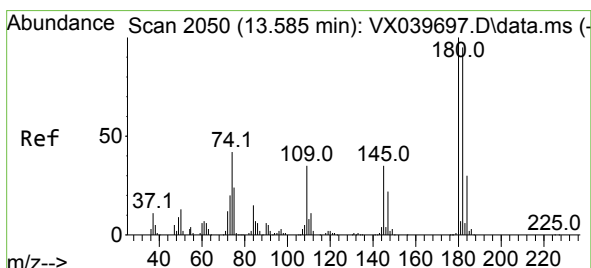
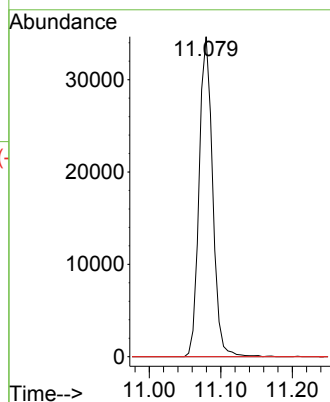
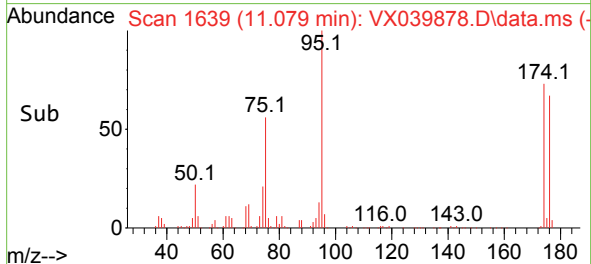


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.861 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.061 min  
 Lab File: VX039878.D  
 Acq: 22 Jan 2024 13:07

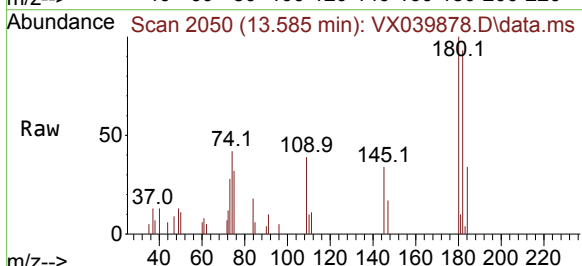
Instrument :  
 MSVOA\_X  
 ClientSampleId :



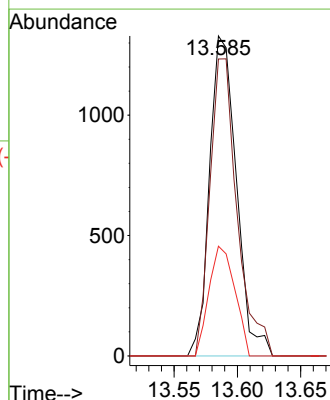
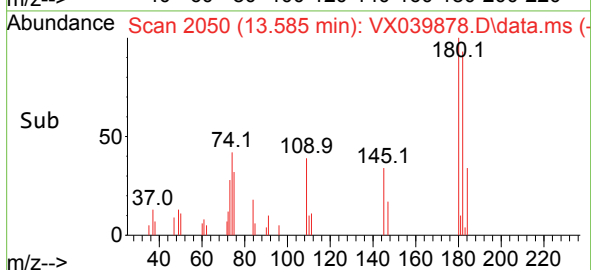
Tgt Ion: 75 Resp: 45329  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

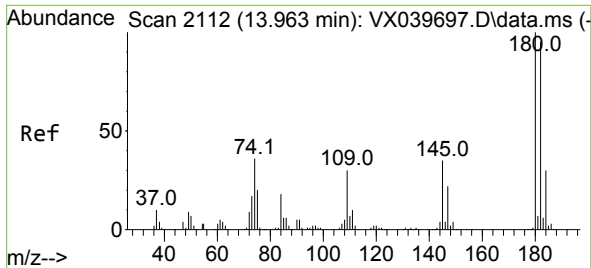


#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.203 ug/l  
 RT: 13.585 min Scan# 2050  
 Delta R.T. 0.000 min  
 Lab File: VX039878.D  
 Acq: 22 Jan 2024 13:07



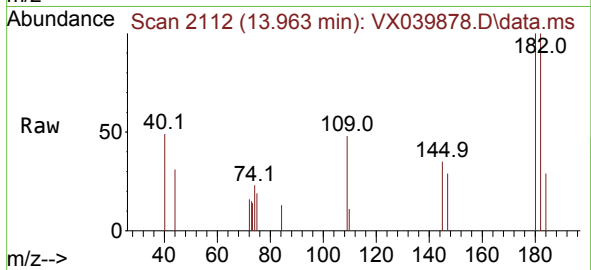
Tgt Ion: 180 Resp: 1962  
 Ion Ratio Lower Upper  
 180 100  
 182 93.9 48.3 144.8  
 145 33.1 18.0 54.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.383 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VX039878.D  
 Acq: 22 Jan 2024 13:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 631   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 106.5 | 46.9  | 140.6 |
| 145      | 27.4  | 17.8  | 53.5  |

