

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010324\  
 Data File : VX039589.D  
 Acq On : 03 Jan 2024 10:11  
 Operator : JC/MD  
 Sample : VX0103MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 04 03:26:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

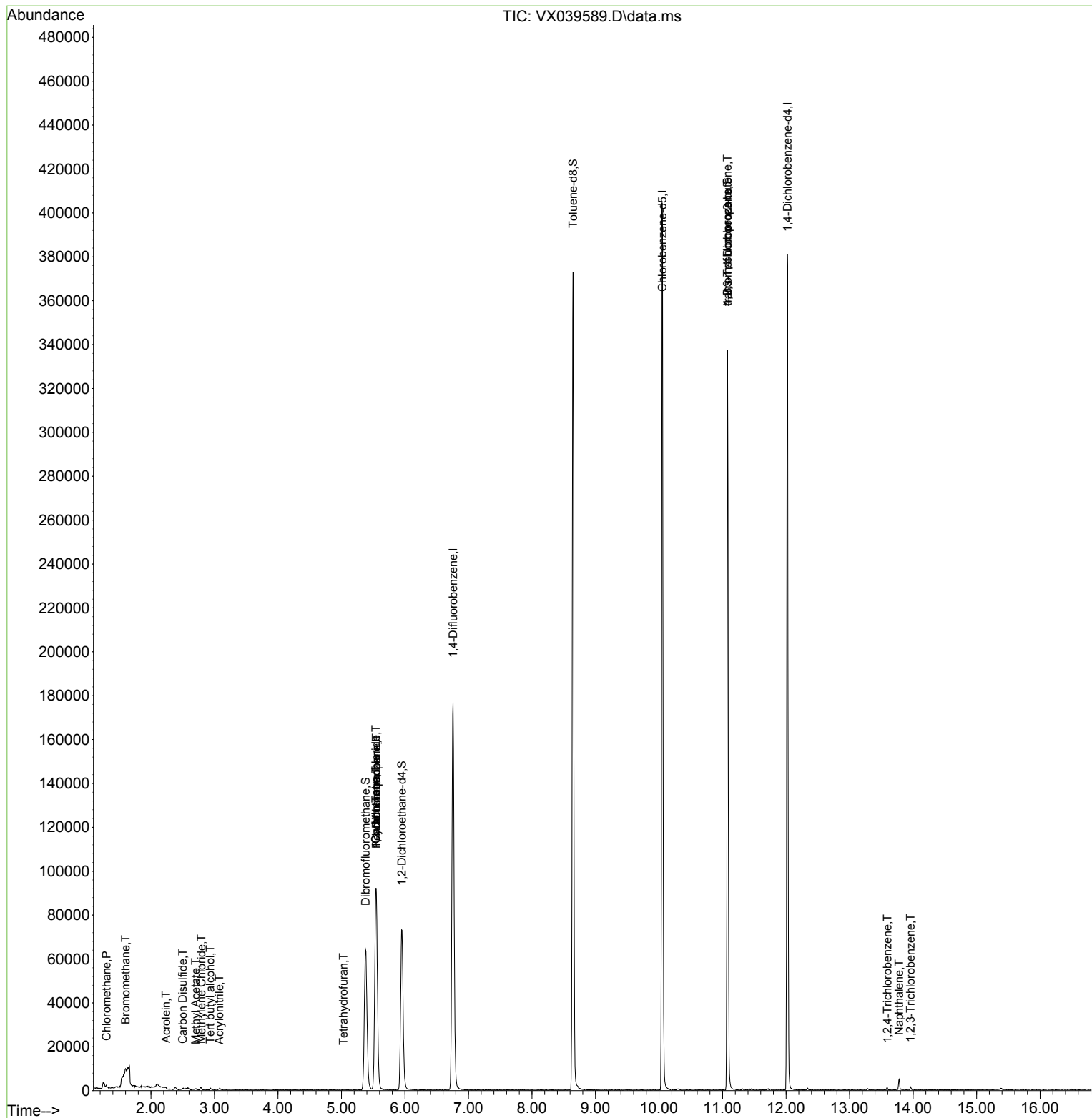
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 83377    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 174719   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 177125   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 73415    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 71898    | 47.072    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 94.140%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 57695    | 47.799    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.600%  |
| 50) Toluene-d8                | 8.647  | 98    | 219226   | 48.921    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 97.840%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 90448    | 48.919    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 97.840%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.301  | 50    | 716      | 0.551     | ug/l # | 84       |
| 5) Bromomethane               | 1.599  | 94    | 407      | 0.586     | ug/l   | 87       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 484      | 1.262     | ug/l # | 78       |
| 13) Acrolein                  | 2.239  | 56    | 177      | 0.578     | ug/l   | 91       |
| 15) Acrylonitrile             | 3.075  | 53    | 461      | 0.600     | ug/l # | 73       |
| 16) Acetone                   | 2.386  | 43    | 1260     | Below Cal |        | 90       |
| 17) Carbon Disulfide          | 2.502  | 76    | 986      | 0.314     | ug/l # | 76       |
| 18) Methyl Acetate            | 2.703  | 43    | 746      | 0.226     | ug/l   | 98       |
| 20) Methylene Chloride        | 2.794  | 84    | 592      | 0.465     | ug/l # | 76       |
| 29) Tetrahydrofuran           | 5.032  | 42    | 244      | 0.335     | ug/l # | 41       |
| 31) Cyclohexane               | 5.544  | 56    | 2241     | 1.136     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8149     | 4.278     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 9575     | 5.268     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 49475    | 26.048    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 49475    | 73.481    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 335      | 0.217     | ug/l   | 82       |
| 95) Naphthalene               | 13.780 | 128   | 3402     | 0.634     | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 493      | 0.331     | ug/l   | 81       |
| -----                         |        |       |          |           |        |          |

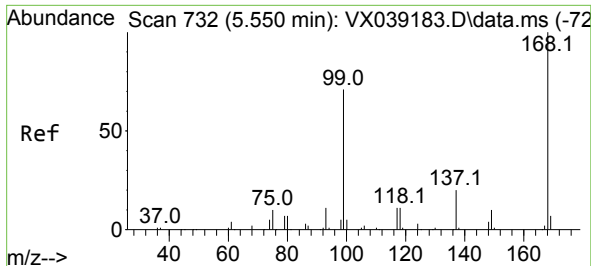
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0103MBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

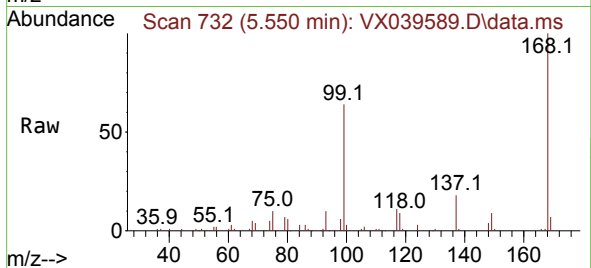
Quant Time: Jan 04 03:26:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration



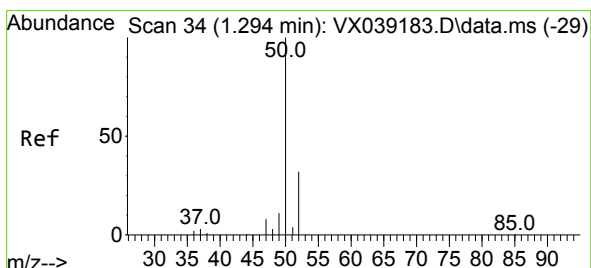
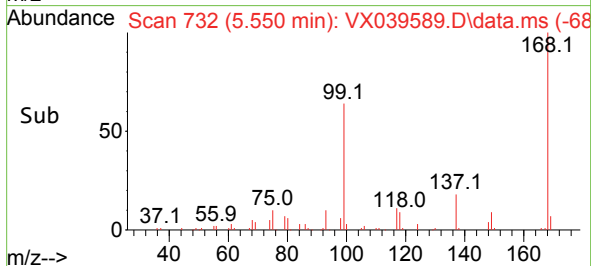
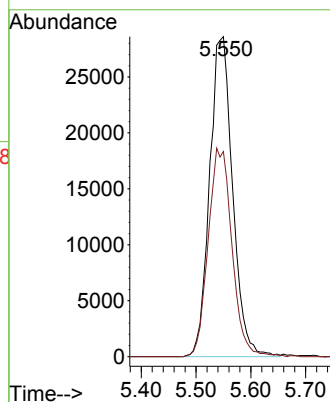


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :

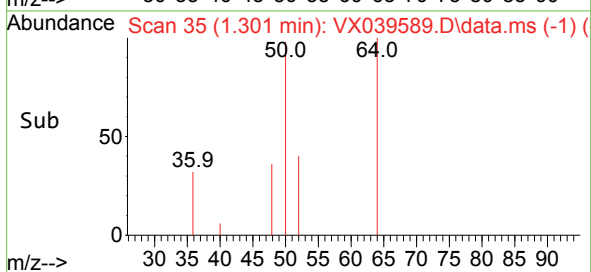
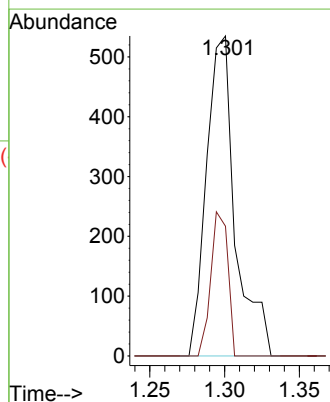
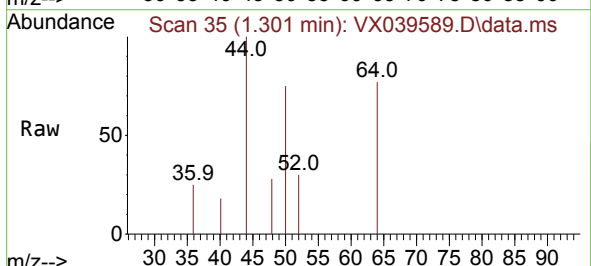


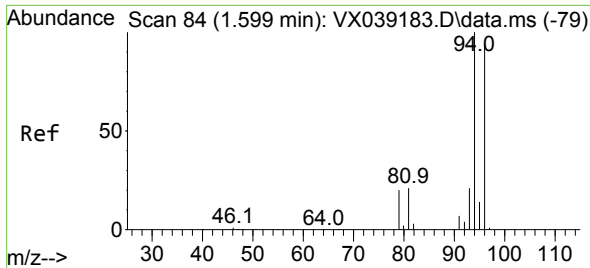
Tgt Ion:168 Resp: 83377  
Ion Ratio Lower Upper  
168 100  
99 64.1 56.6 85.0



#3  
Chloromethane  
Concen: 0.551 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

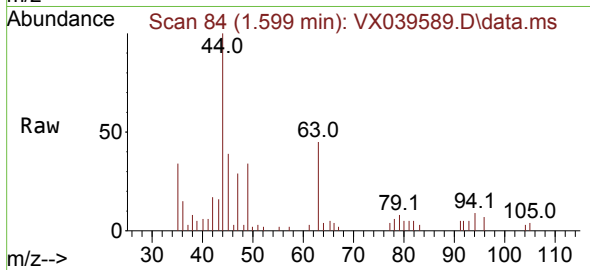
Tgt Ion: 50 Resp: 716  
Ion Ratio Lower Upper  
50 100  
52 40.6 25.5 38.3#



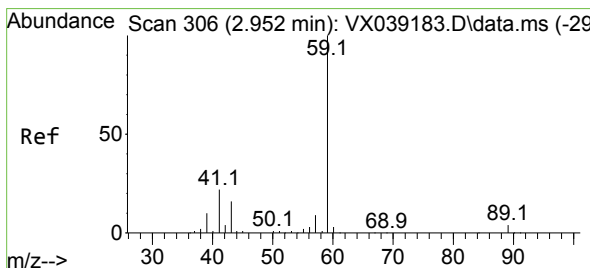
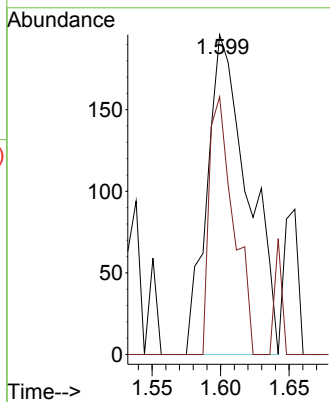
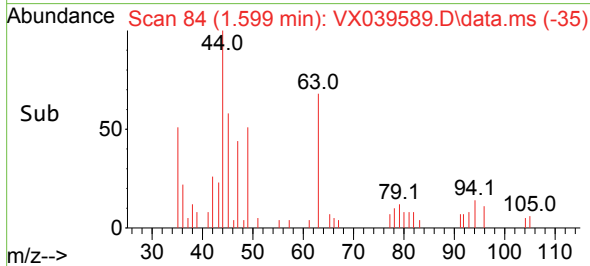


#5  
Bromomethane  
Concen: 0.586 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :

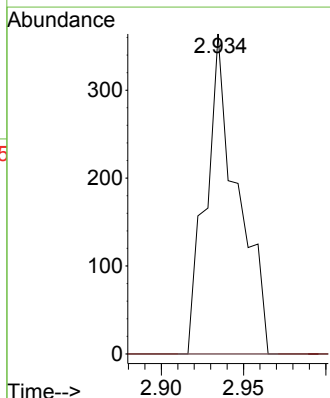
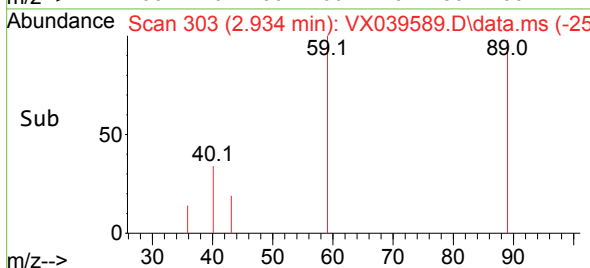
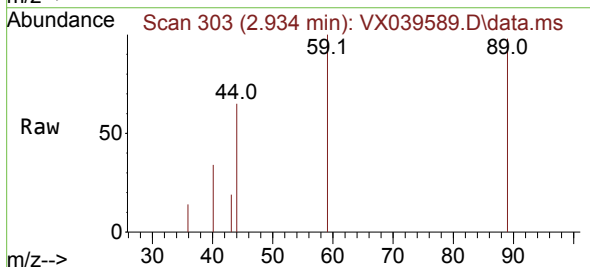


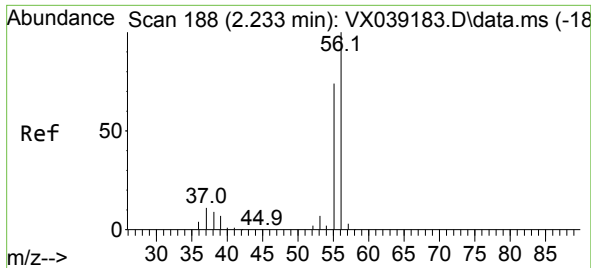
Tgt Ion: 94 Resp: 407  
Ion Ratio Lower Upper  
94 100  
96 80.6 74.6 111.8



#11  
Tert butyl alcohol  
Concen: 1.262 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.018 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 59 Resp: 484  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

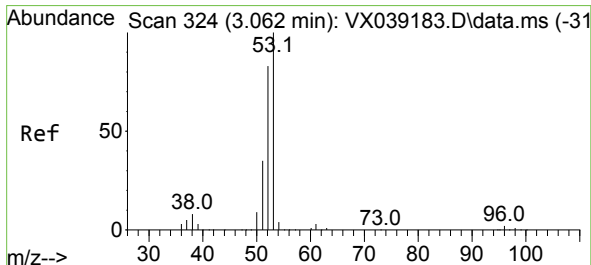
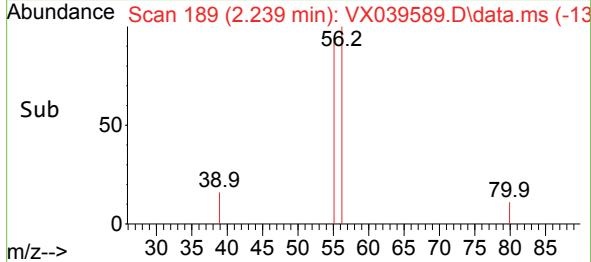
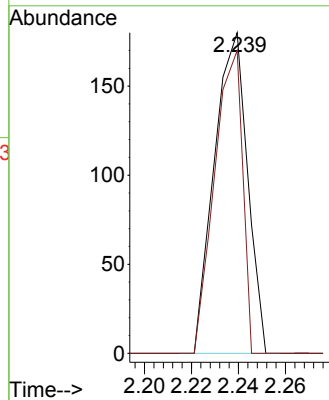
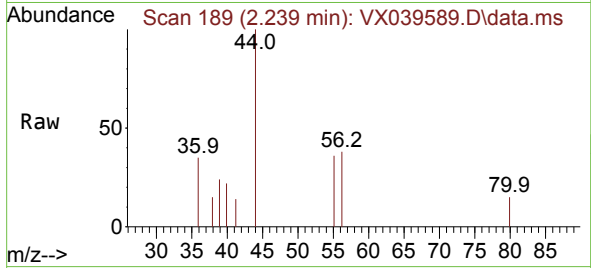




#13  
Acrolein  
Concen: 0.578 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

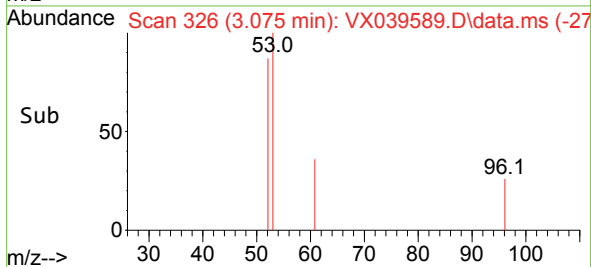
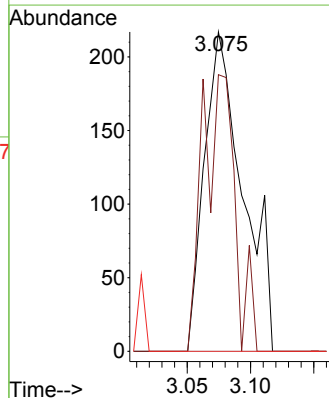
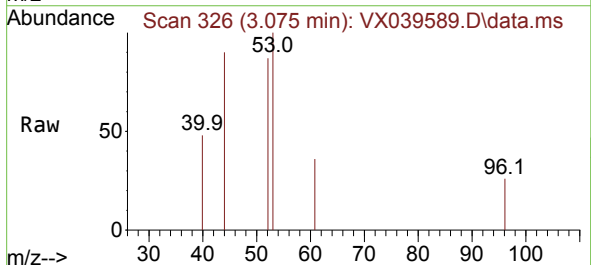
Instrument :  
MSVOA\_X  
ClientSampleId :

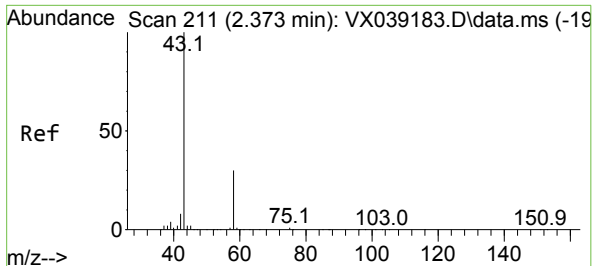
Tgt Ion: 56 Resp: 177  
Ion Ratio Lower Upper  
56 100  
55 79.1 57.1 85.7



#15  
Acrylonitrile  
Concen: 0.600 ug/l  
RT: 3.075 min Scan# 326  
Delta R.T. 0.013 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 53 Resp: 461  
Ion Ratio Lower Upper  
53 100  
52 72.2 66.0 99.0  
51 0.0 29.8 44.6#

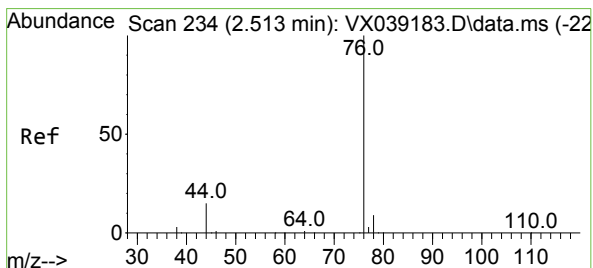
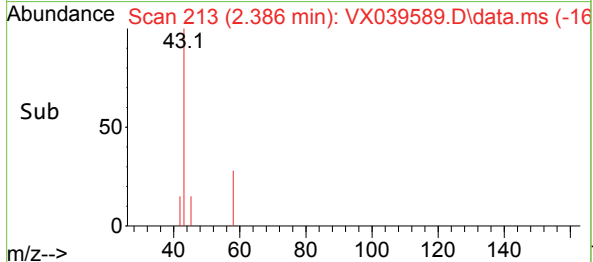
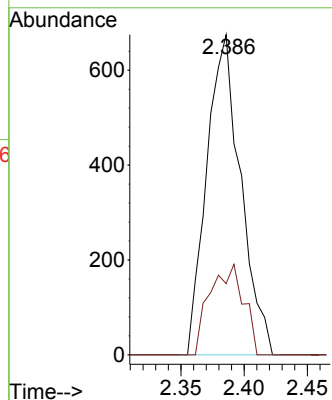
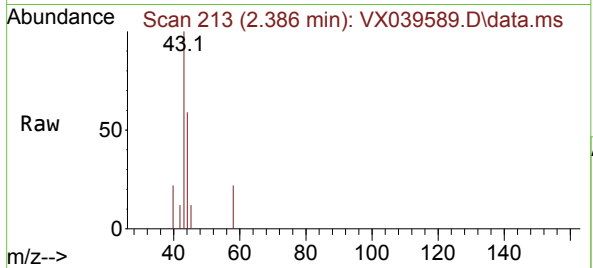




#16  
Acetone  
Concen: Below Cal  
RT: 2.386 min Scan# 211  
Delta R.T. 0.013 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

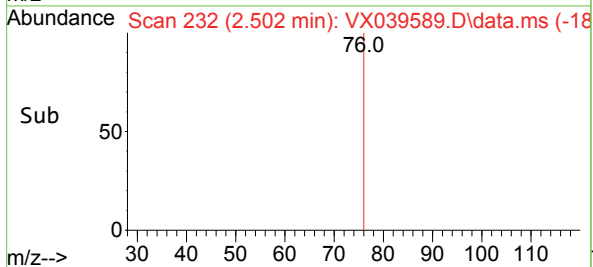
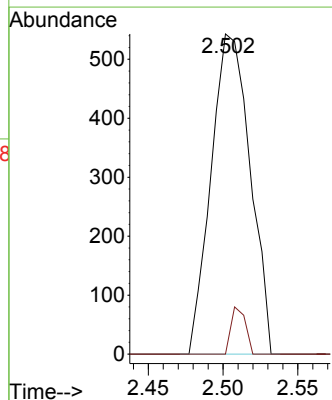
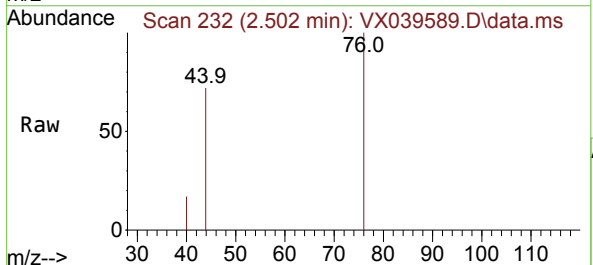
Instrument :  
MSVOA\_X  
ClientSampleId :

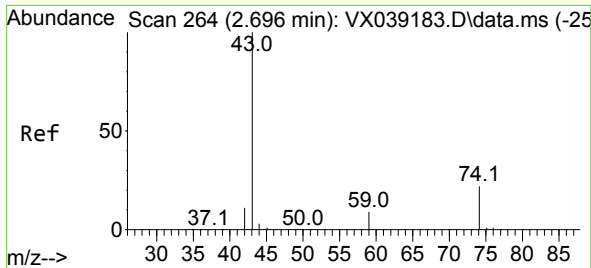
Tgt Ion: 43 Resp: 1260  
Ion Ratio Lower Upper  
43 100  
58 22.2 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.314 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.012 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 76 Resp: 986  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#

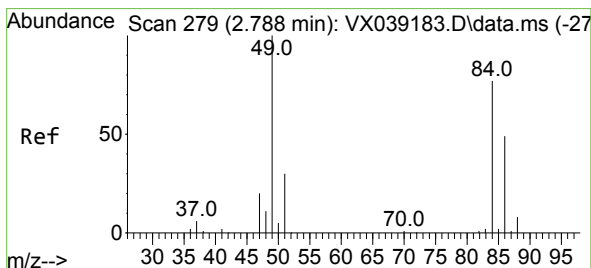
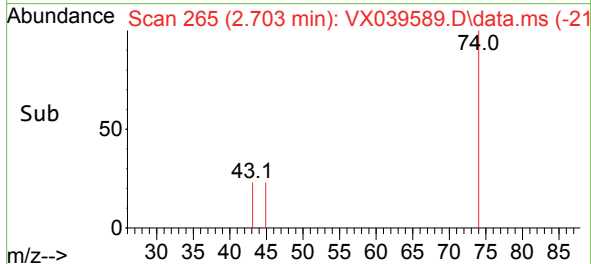
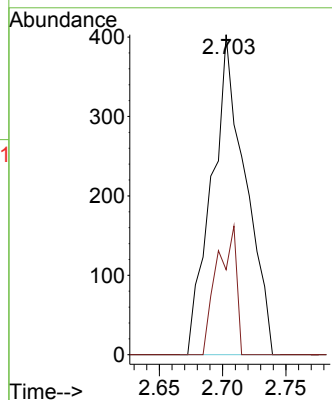
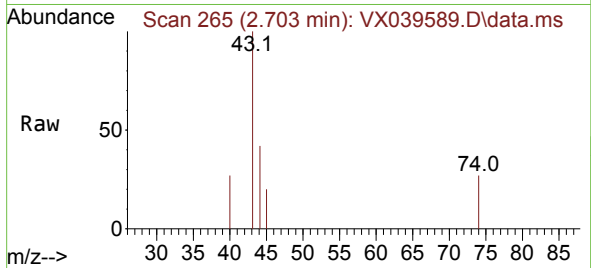




#18  
Methyl Acetate  
Concen: 0.226 ug/l  
RT: 2.703 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

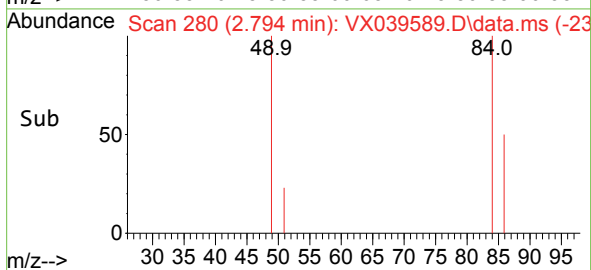
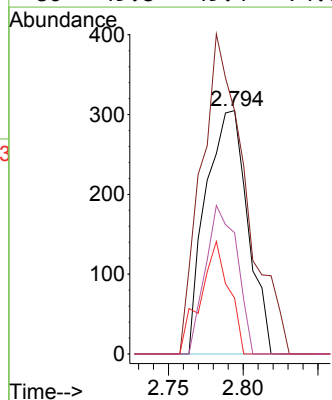
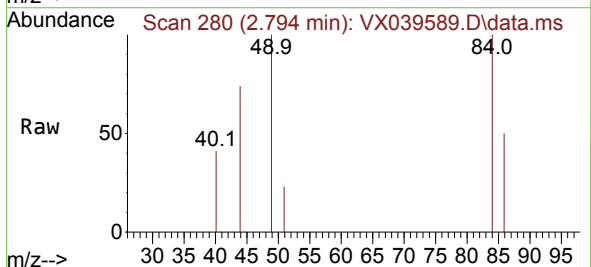
Instrument :  
MSVOA\_X  
ClientSampleId :

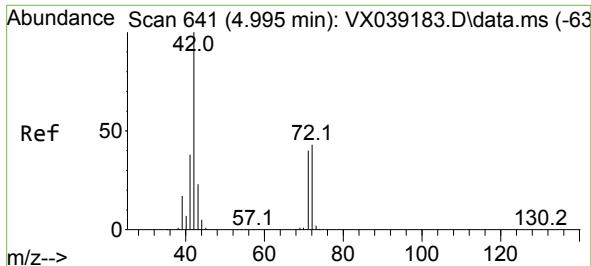
Tgt Ion: 43 Resp: 746  
Ion Ratio Lower Upper  
43 100  
74 23.2 17.8 26.8



#20  
Methylene Chloride  
Concen: 0.465 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

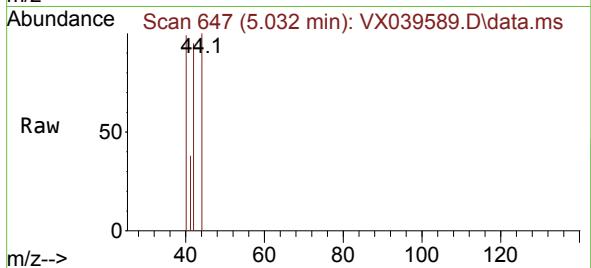
Tgt Ion: 84 Resp: 592  
Ion Ratio Lower Upper  
84 100  
49 100.0 103.6 155.4#  
51 23.0 33.8 50.6#  
86 49.8 49.4 74.0



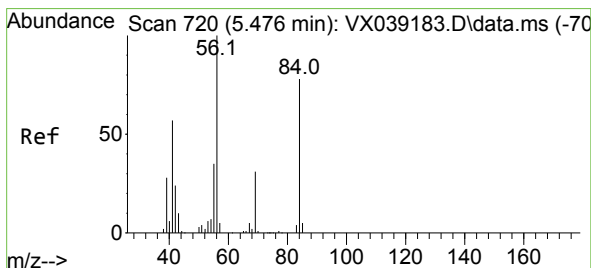
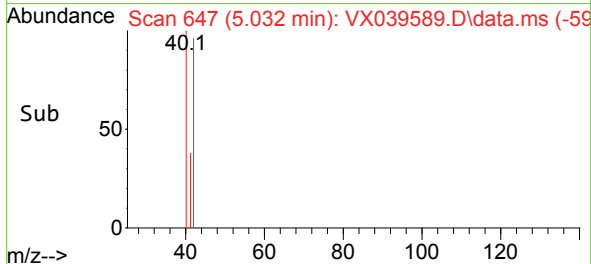
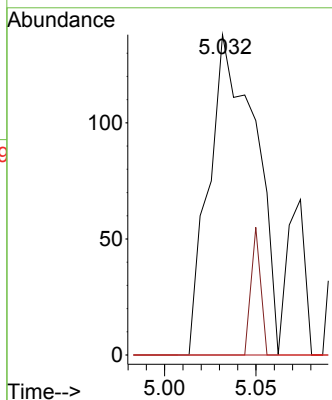


#29  
Tetrahydrofuran  
Concen: 0.335 ug/l  
RT: 5.032 min Scan# 641  
Delta R.T. 0.037 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Instrument :  
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ClientSampleId :

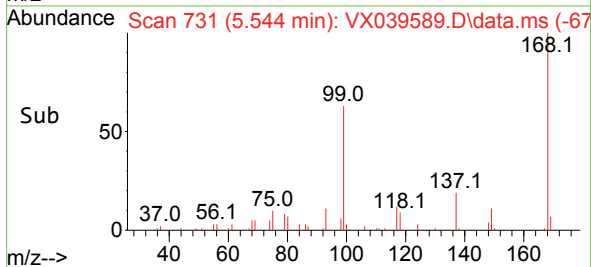
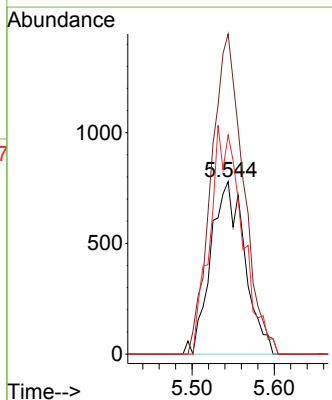
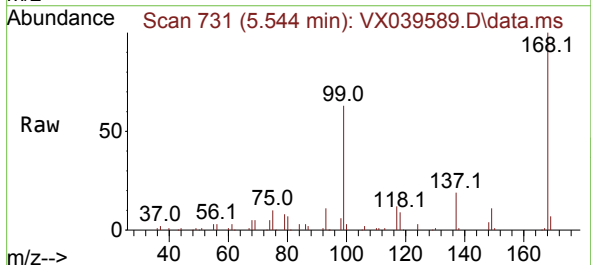


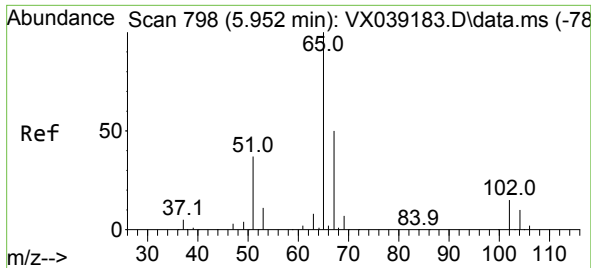
Tgt Ion: 42 Resp: 244  
Ion Ratio Lower Upper  
42 100  
72 8.2 34.2 51.4#  
71 0.0 32.2 48.2#



#31  
Cyclohexane  
Concen: 1.136 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.067 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 56 Resp: 2241  
Ion Ratio Lower Upper  
56 100  
69 185.6 23.4 35.2#  
84 127.0 65.9 98.9#

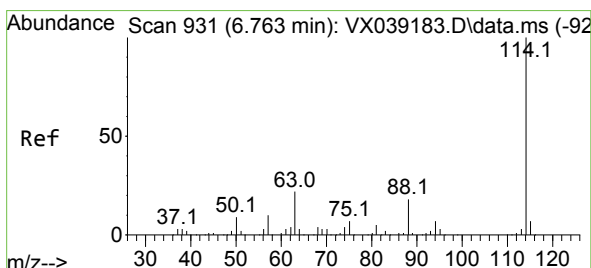
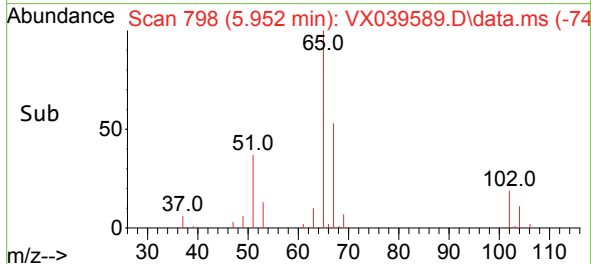
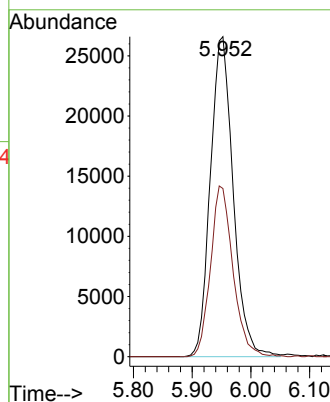
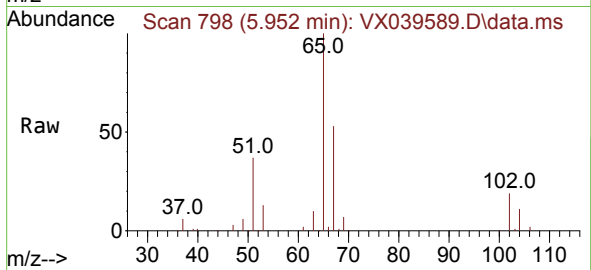




#33  
1,2-Dichloroethane-d4  
Concen: 47.072 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

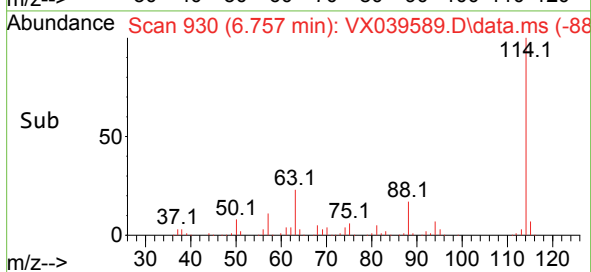
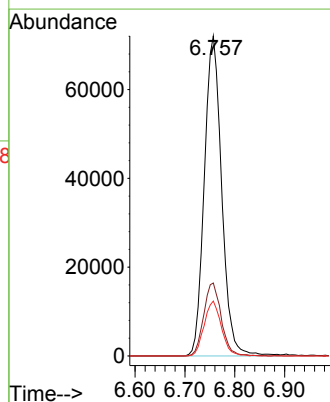
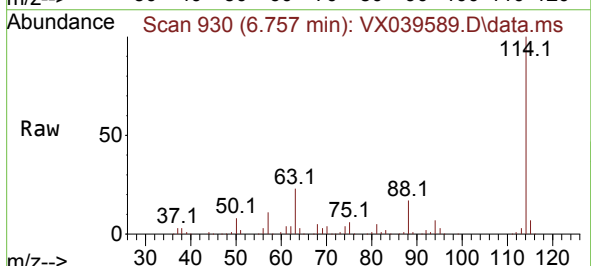
Instrument :  
MSVOA\_X  
ClientSampleId :

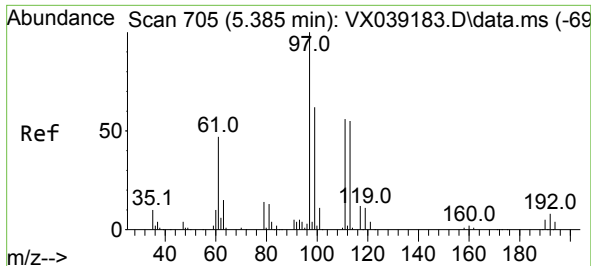
Tgt Ion: 65 Resp: 71898  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

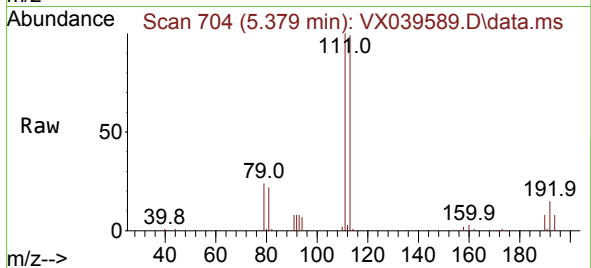
Tgt Ion: 114 Resp: 174719  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 45.0  
88 17.1 0.0 36.6



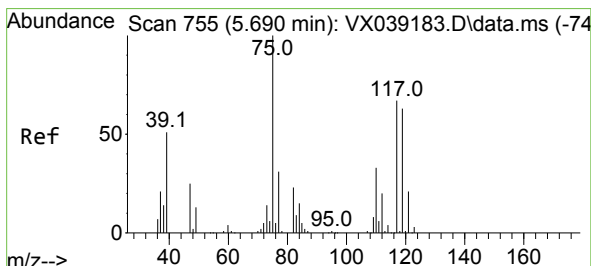
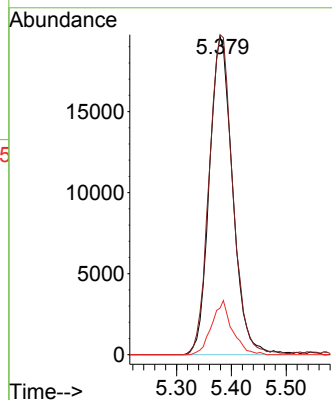
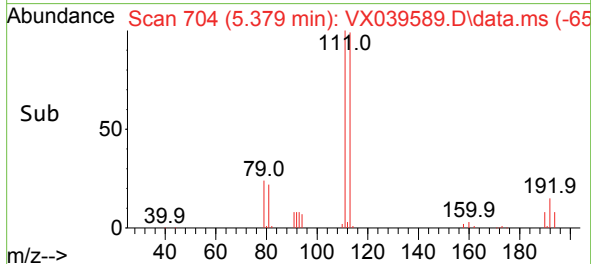


#35  
Dibromofluoromethane  
Concen: 47.799 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :

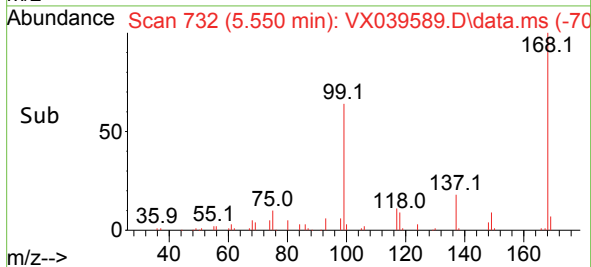
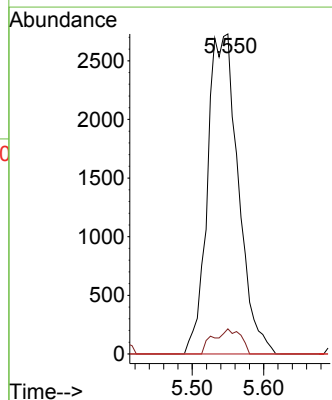
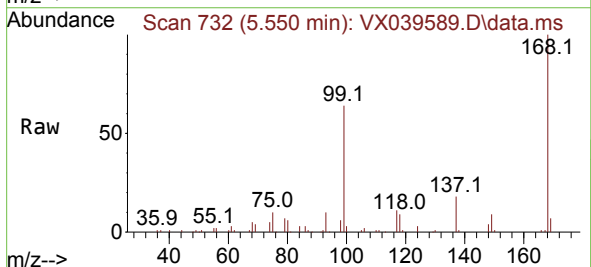


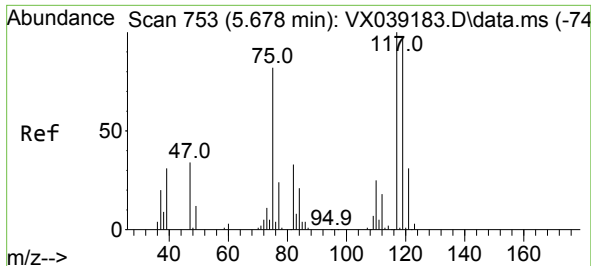
Tgt Ion:113 Resp: 57695  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 15.0 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.278 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

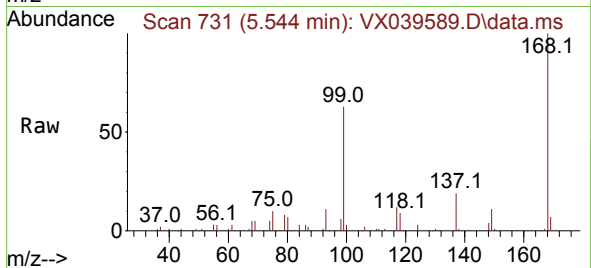
Tgt Ion: 75 Resp: 8149  
Ion Ratio Lower Upper  
75 100  
110 6.9 17.0 50.9#  
77 0.0 24.7 37.1#



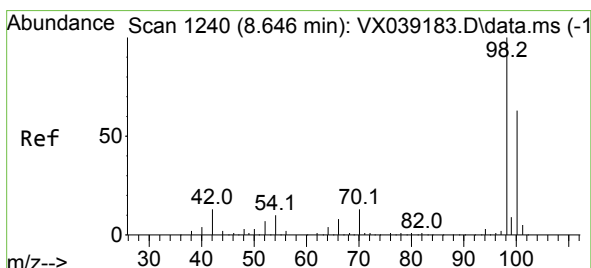
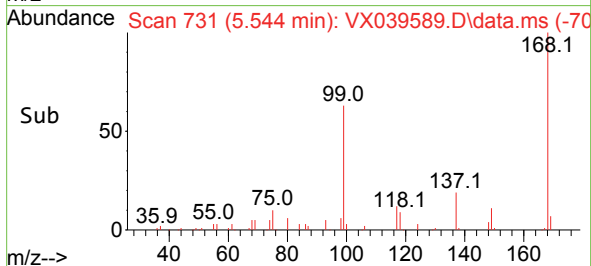
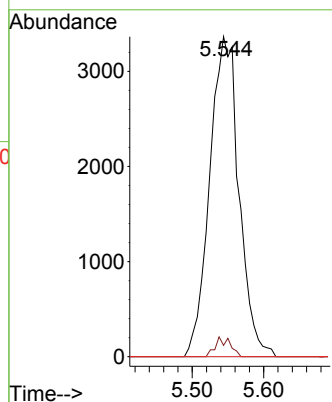


#38  
Carbon Tetrachloride  
Concen: 5.268 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :

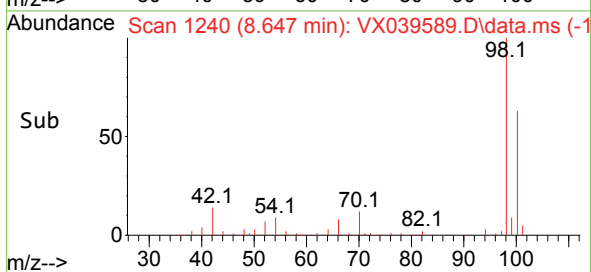
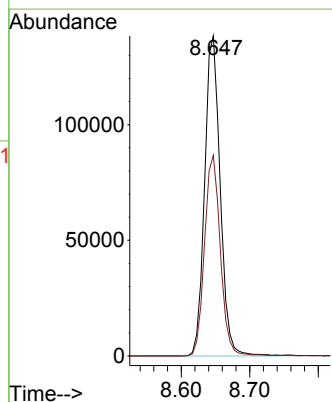
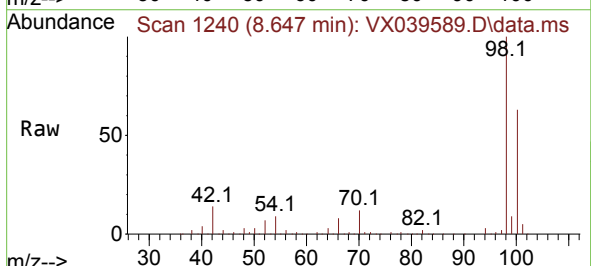


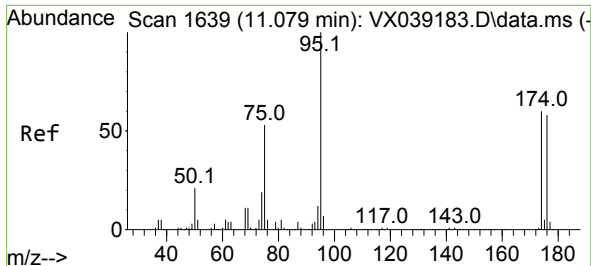
Tgt Ion:117 Resp: 9575  
Ion Ratio Lower Upper  
117 100  
119 3.6 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 48.921 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 98 Resp: 219226  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7

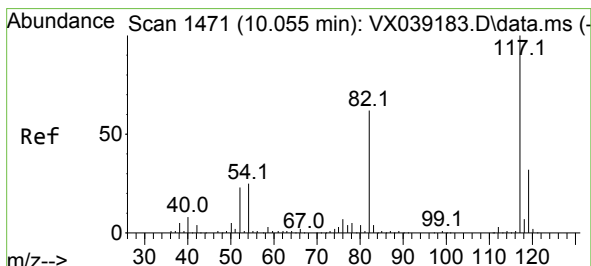
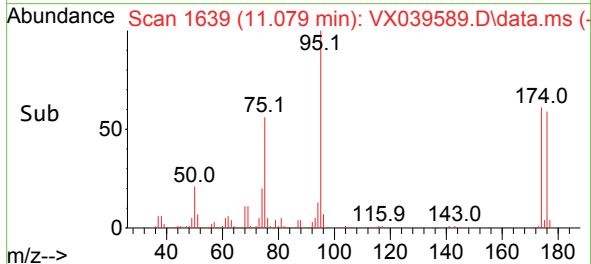
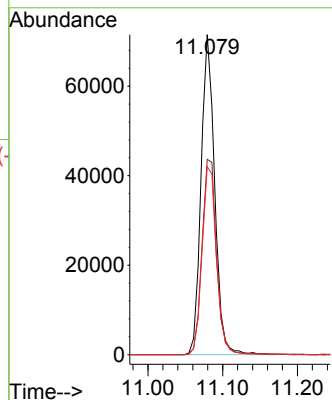
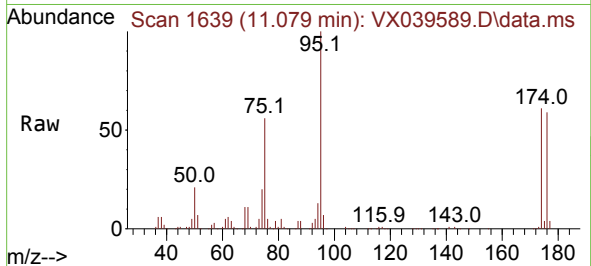




#62  
4-Bromofluorobenzene  
Concen: 48.919 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

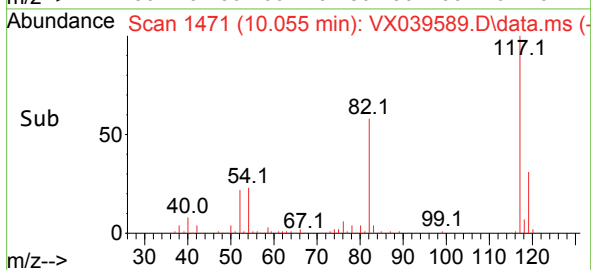
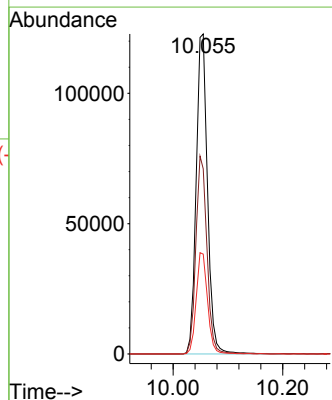
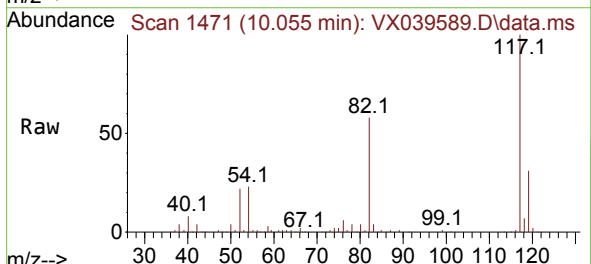
Instrument :  
MSVOA\_X  
ClientSampleId :

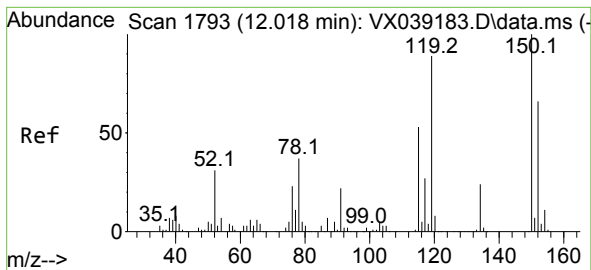
Tgt Ion: 95 Resp: 90448  
Ion Ratio Lower Upper  
95 100  
174 65.4 0.0 135.6  
176 62.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 117 Resp: 177125  
Ion Ratio Lower Upper  
117 100  
82 57.9 46.2 69.4  
119 31.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039589.D

Acq: 03 Jan 2024 10:11

Instrument :

MSVOA\_X

ClientSampleId :

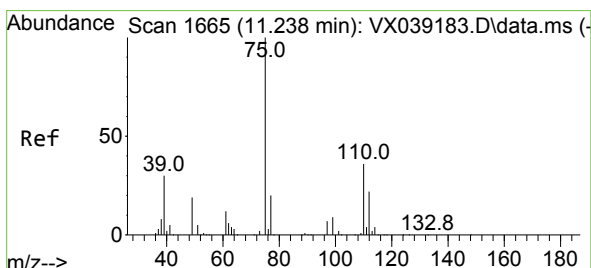
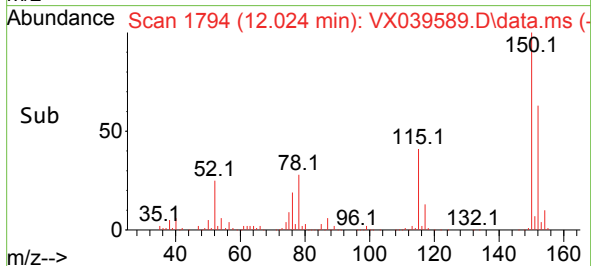
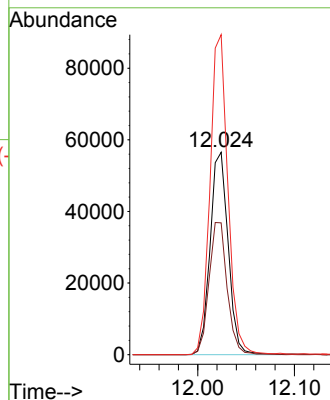
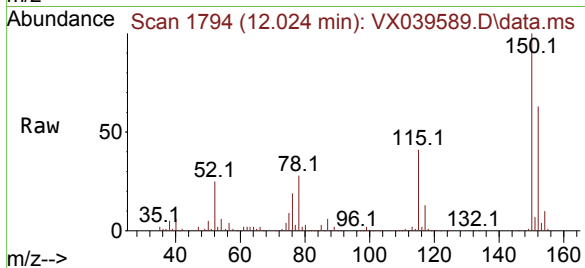
Tgt Ion:152 Resp: 73415

Ion Ratio Lower Upper

152 100

115 65.9 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.048 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039589.D

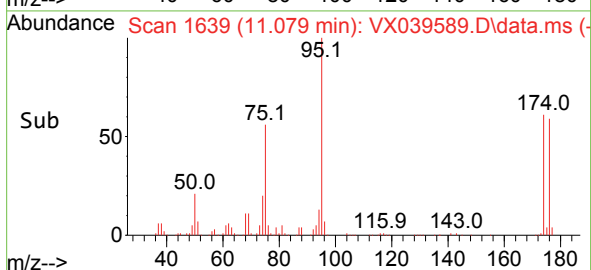
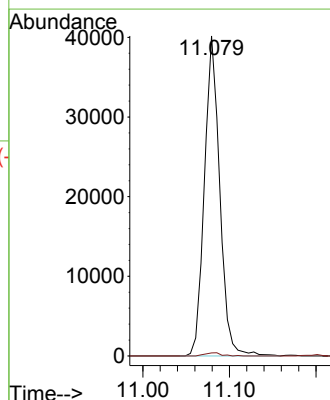
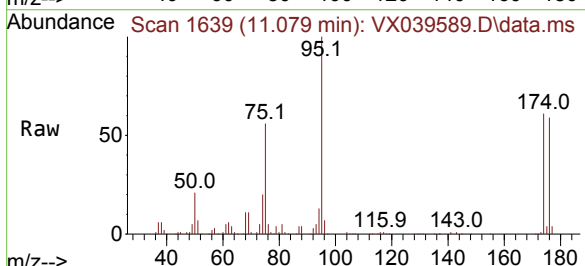
Acq: 03 Jan 2024 10:11

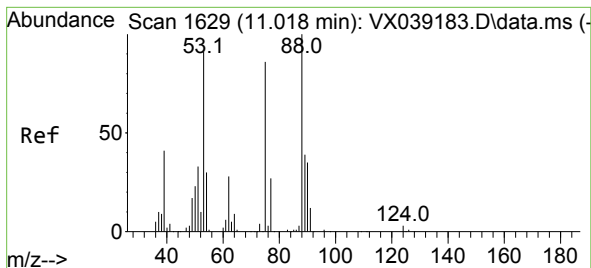
Tgt Ion: 75 Resp: 49475

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

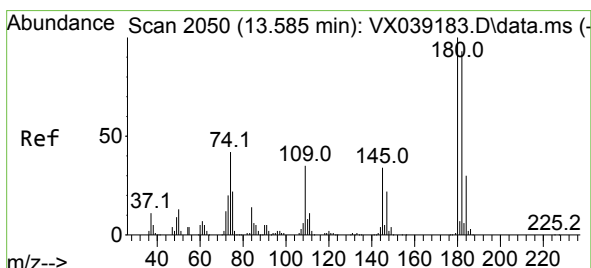
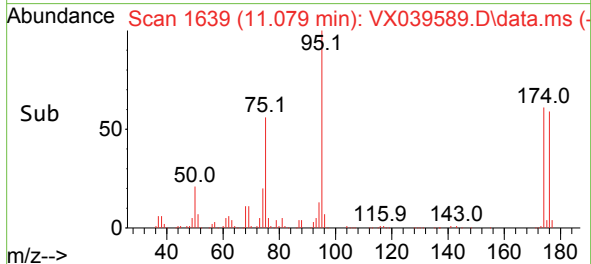
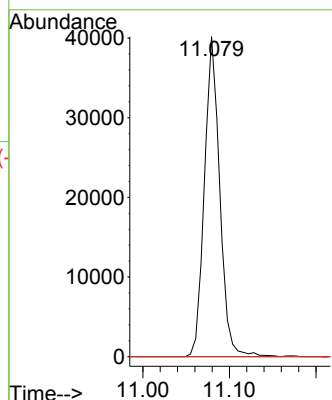
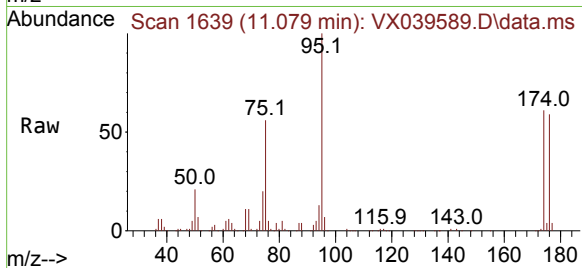




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.481 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

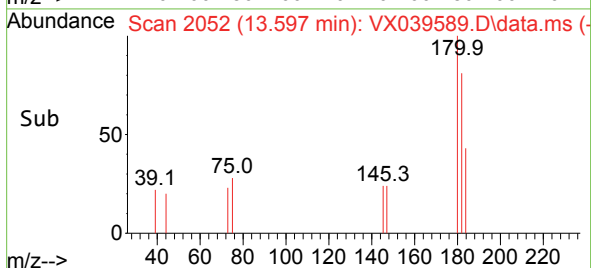
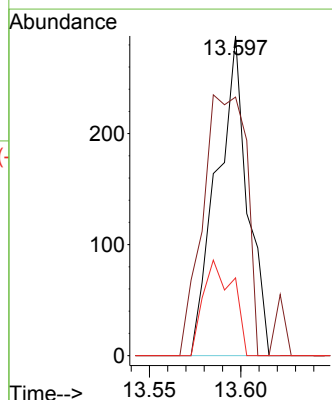
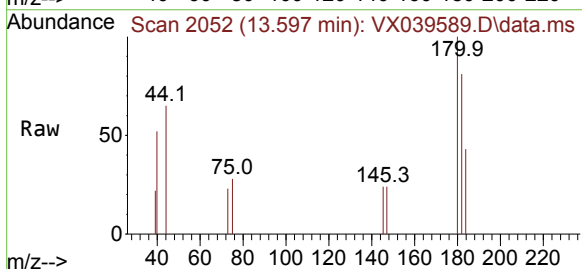
Instrument :  
MSVOA\_X  
ClientSampleId :

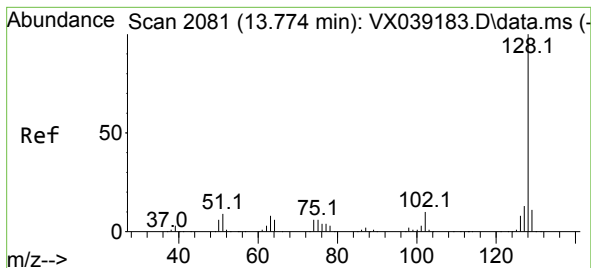
Tgt Ion: 75 Resp: 49475  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.217 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.013 min  
Lab File: VX039589.D  
Acq: 03 Jan 2024 10:11

Tgt Ion: 180 Resp: 335  
Ion Ratio Lower Upper  
180 100  
182 116.7 48.3 144.8  
145 29.3 18.0 54.0





#95

Naphthalene

Concen: 0.634 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

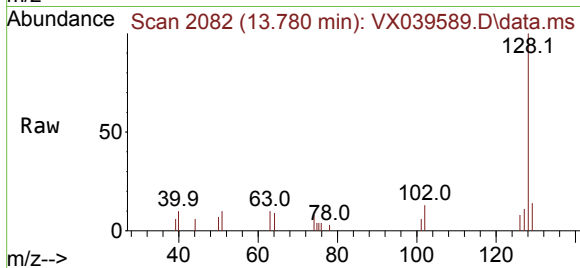
Lab File: VX039589.D

Acq: 03 Jan 2024 10:11

Instrument :

MSVOA\_X

ClientSampleId :



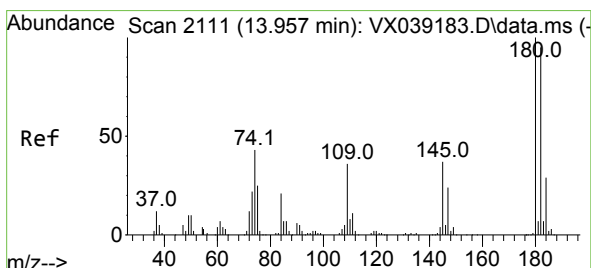
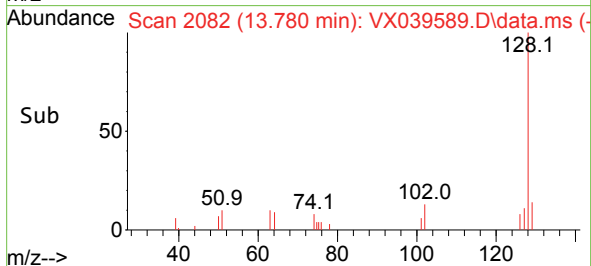
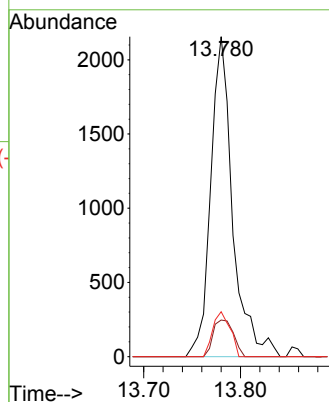
Tgt Ion:128 Resp: 3402

Ion Ratio Lower Upper

128 100

127 10.6 10.3 15.5

129 11.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.331 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039589.D

Acq: 03 Jan 2024 10:11

Tgt Ion:180 Resp: 493

Ion Ratio Lower Upper

180 100

182 77.3 46.9 140.6

145 50.1 17.8 53.5

