

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071521\  
 Data File : VX023309.D  
 Acq On : 15 Jul 2021 19:10  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 16 03:54:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

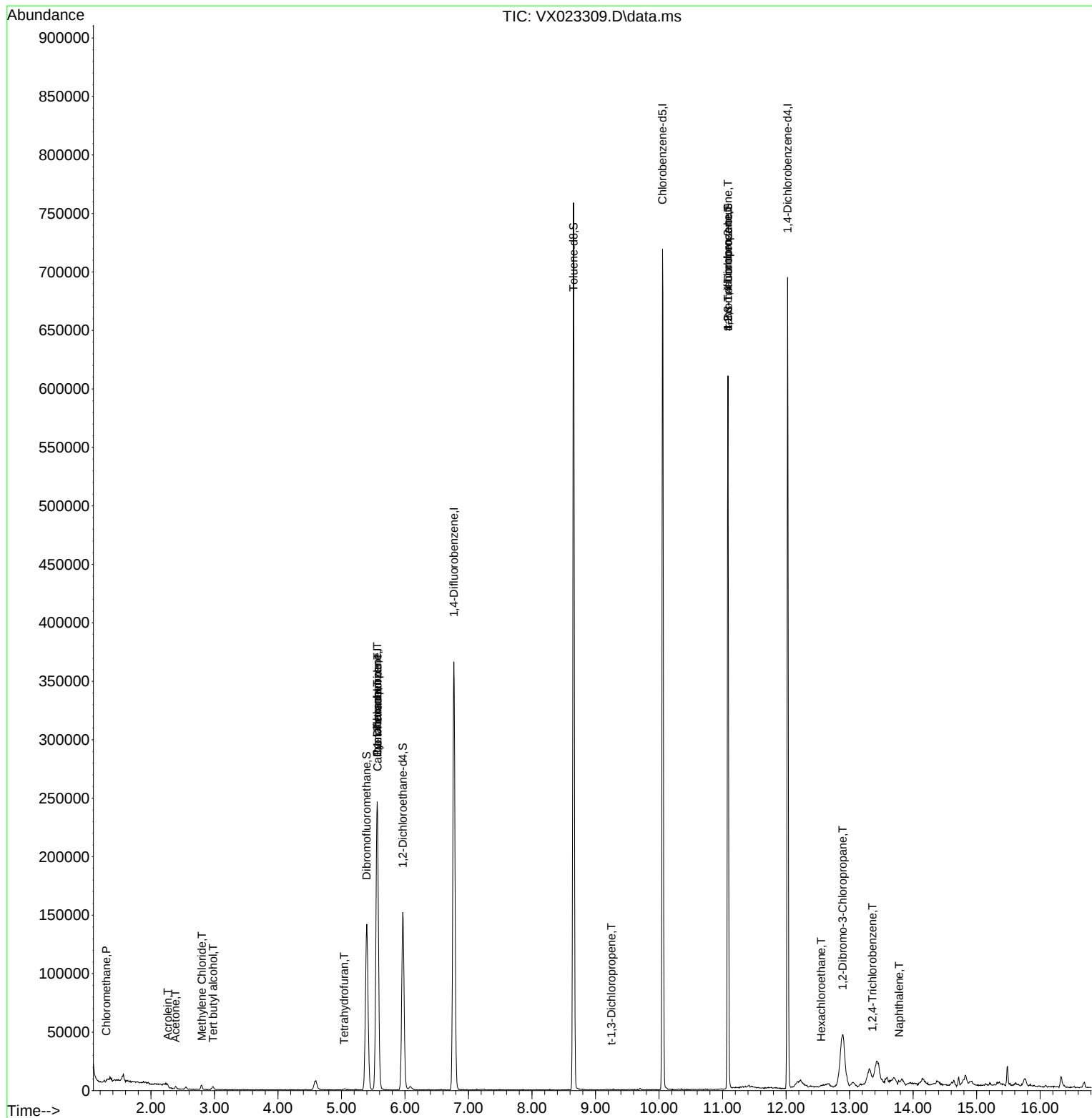
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 231375   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 376227   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 331053   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 140663   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 153346   | 49.313    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 98.620%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 120761   | 49.706    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 99.420%  |
| 50) Toluene-d8                | 8.653  | 98    | 440475   | 48.603    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 97.200%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 158796   | 45.387    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.780%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 517      | 0.249     | ug/l # | 42       |
| 5) Bromomethane               | 1.617  | 94    | 394      | Below Cal | #      | 37       |
| 11) Tert butyl alcohol        | 2.977  | 59    | 2126     | 3.250     | ug/l # | 87       |
| 13) Acrolein                  | 2.263  | 56    | 245      | 0.562     | ug/l # | 14       |
| 16) Acetone                   | 2.385  | 43    | 2495     | 2.028     | ug/l   | 91       |
| 20) Methylene Chloride        | 2.800  | 84    | 1903     | 0.718     | ug/l # | 80       |
| 29) Tetrahydrofuran           | 5.043  | 42    | 799      | 0.670     | ug/l # | 60       |
| 31) Cyclohexane               | 5.562  | 56    | 4785     | 1.285     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 17947    | 5.351     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.568  | 117   | 24932    | 7.122     | ug/l # | 16       |
| 53) t-1,3-Dichloropropene     | 9.250  | 75    | 18       | 2.741     | ug/l # | 44       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 81401    | 28.757    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 81401    | 77.411    | ug/l # | 12       |
| 90) Hexachloroethane          | 12.554 | 117   | 45       | 3.024     | ug/l # | 9        |
| 92) 1,2-Dibromo-3-Chloropr... | 12.890 | 75    | 1231     | 4.082     | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.359 | 180   | 1448     | 0.509     | ug/l # | 12       |
| 95) Naphthalene               | 13.780 | 128   | 1051     | 1.373     | ug/l # | 72       |
| -----                         |        |       |          |           |        |          |

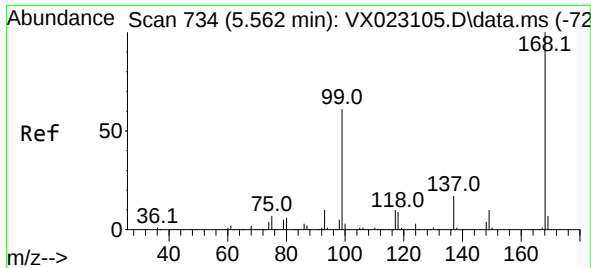
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071521\  
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ClientSampleId :

Quant Time: Jul 16 03:54:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

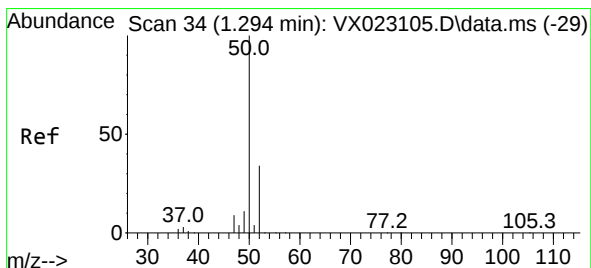
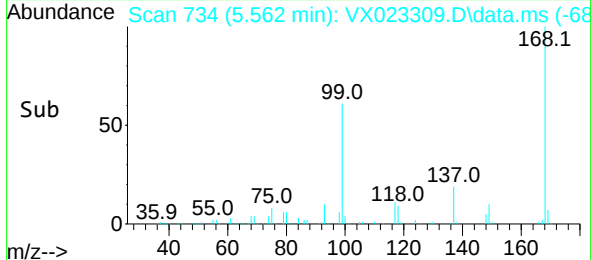
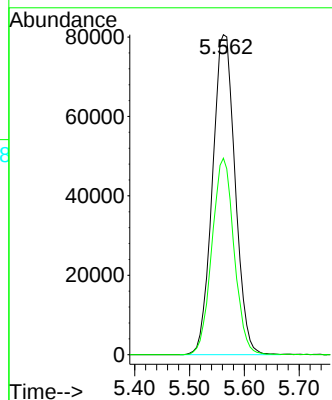
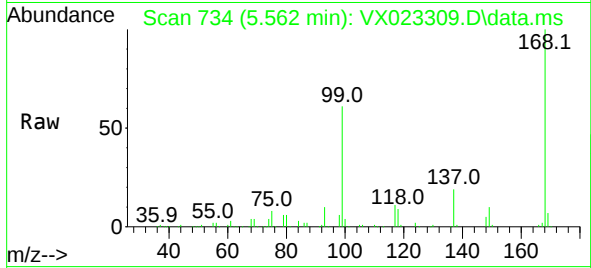




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

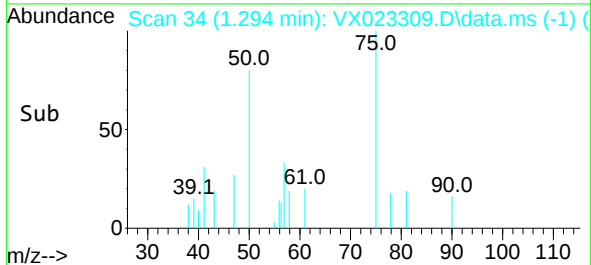
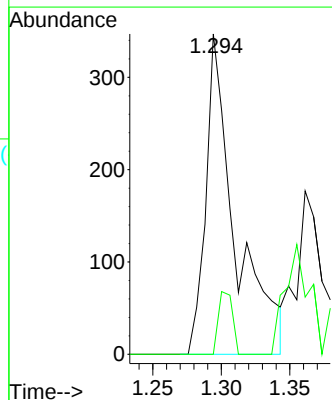
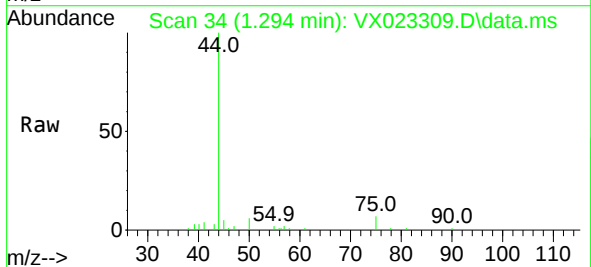
Instrument :  
MSVOA\_X  
ClientSampled :

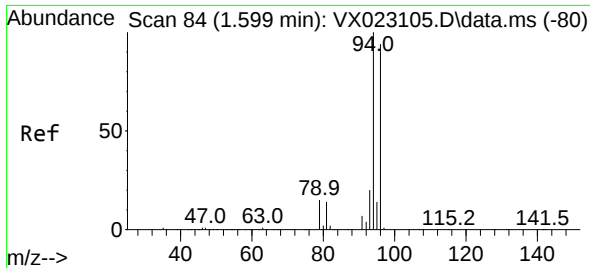
Tgt Ion:168 Resp: 231375  
Ion Ratio Lower Upper  
168 100  
99 61.4 45.8 68.6



#3  
Chloromethane  
Concen: 0.249 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 50 Resp: 517  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

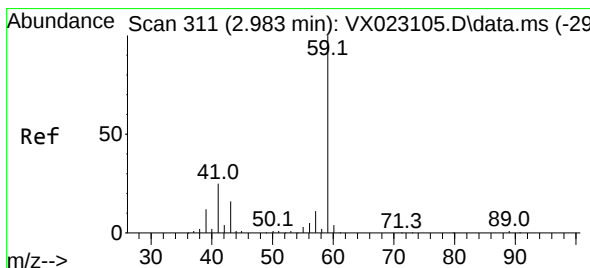
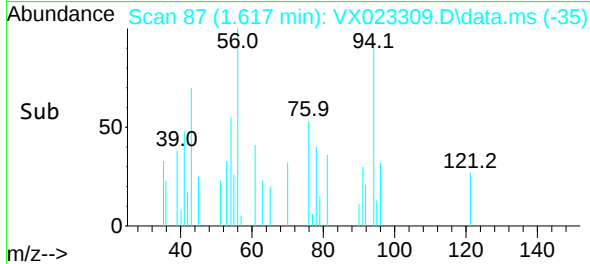
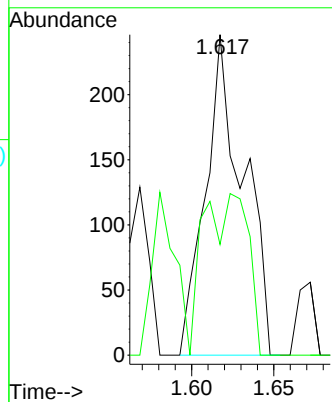
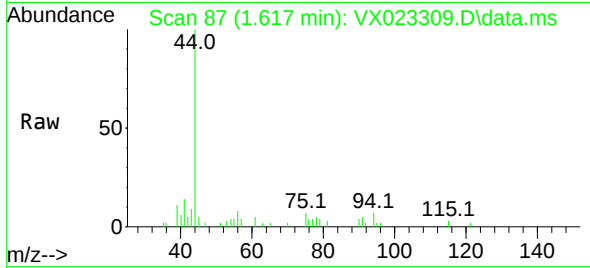




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 87  
Delta R.T. 0.018 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

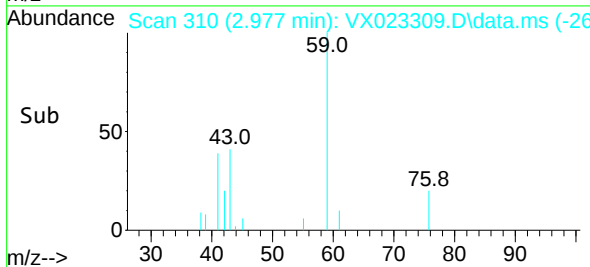
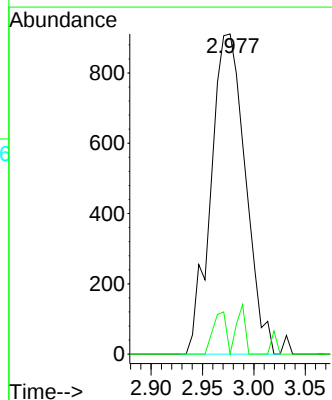
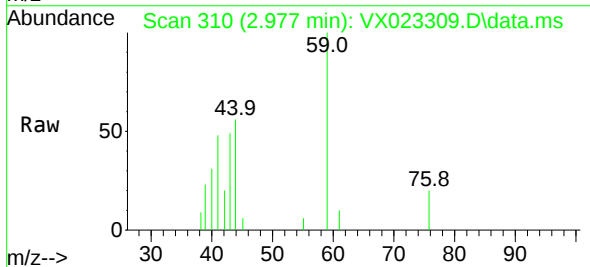
Instrument :  
MSVOA\_X  
ClientSampled :

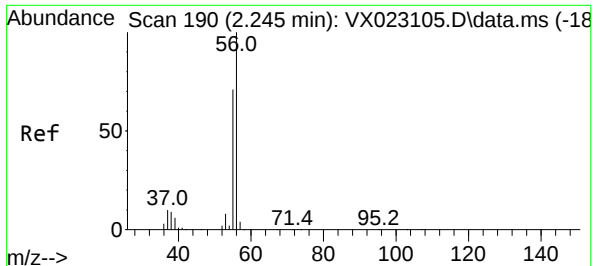
Tgt Ion: 94 Resp: 394  
Ion Ratio Lower Upper  
94 100  
96 34.6 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 3.250 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. -0.006 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 59 Resp: 2126  
Ion Ratio Lower Upper  
59 100  
57 5.0 7.8 11.8#

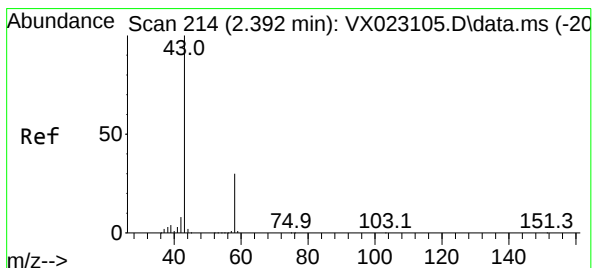
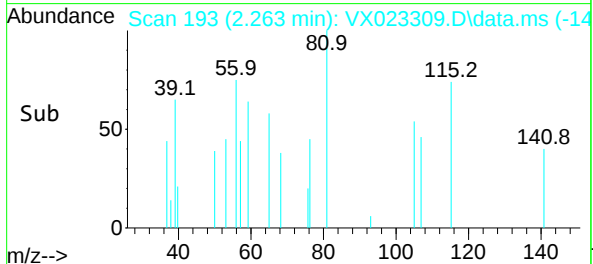
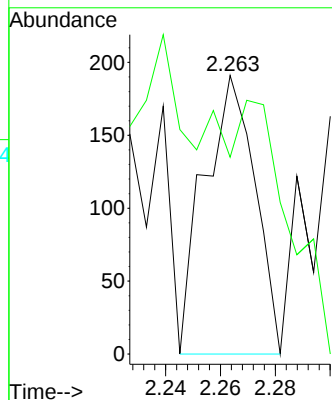
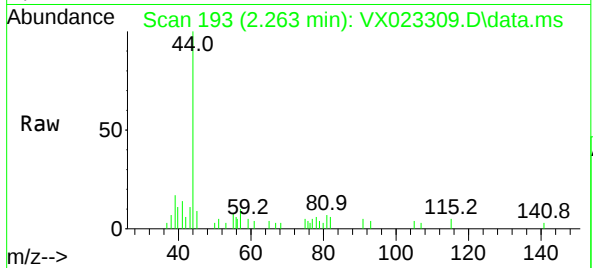




#13  
Acrolein  
Concen: 0.562 ug/l  
RT: 2.263 min Scan# 193  
Delta R.T. 0.018 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

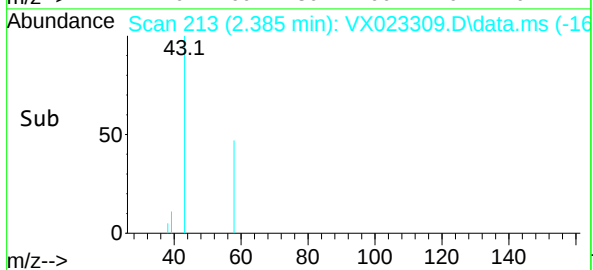
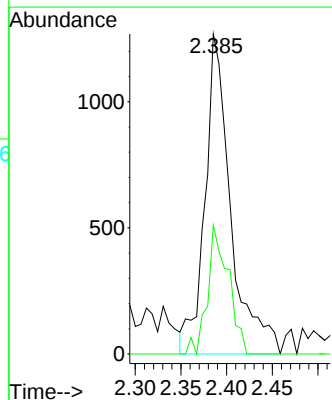
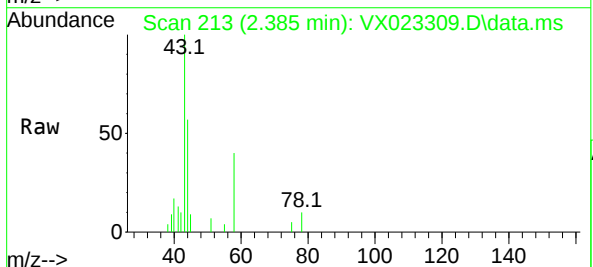
Instrument :  
MSVOA\_X  
ClientSampled :

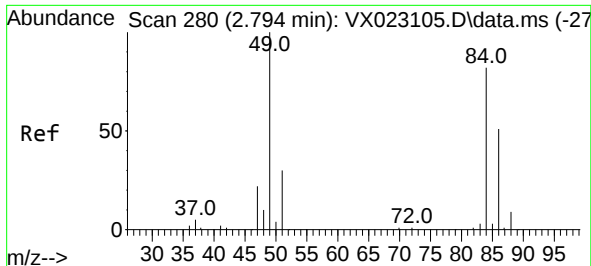
Tgt Ion: 56 Resp: 245  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 2.028 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. -0.007 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 43 Resp: 2495  
Ion Ratio Lower Upper  
43 100  
58 40.2 27.8 41.8





#20

Methylene Chloride

Concen: 0.718 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX023309.D

Acq: 15 Jul 2021 19:10

Tgt Ion: 84 Resp: 1903

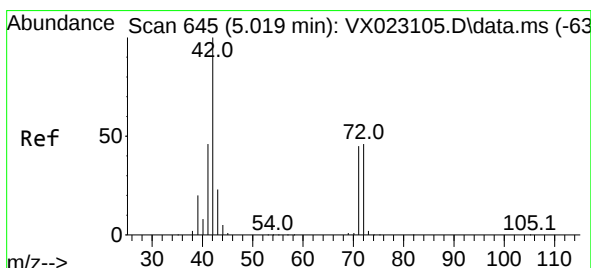
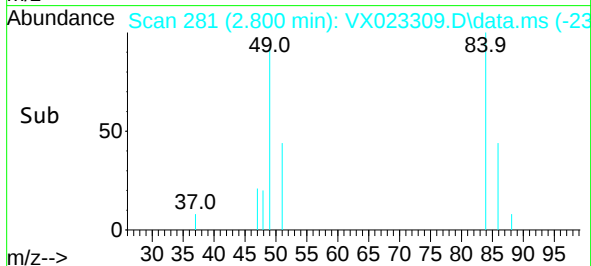
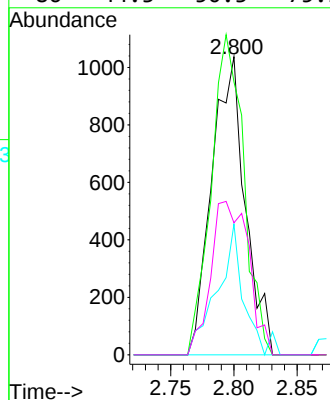
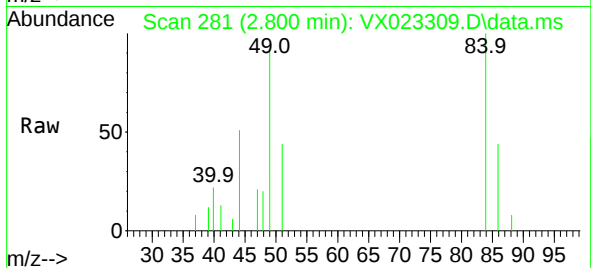
Ion Ratio Lower Upper

84 100

49 91.6 88.6 132.8

51 43.9 27.0 40.6#

86 44.3 50.3 75.5#



#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 5.043 min Scan# 649

Delta R.T. 0.024 min

Lab File: VX023309.D

Acq: 15 Jul 2021 19:10

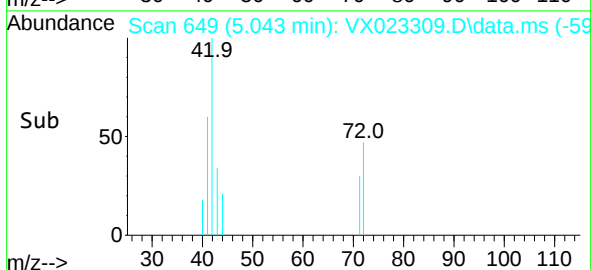
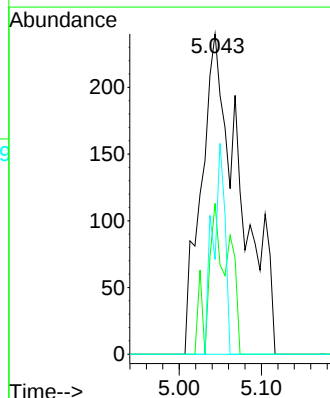
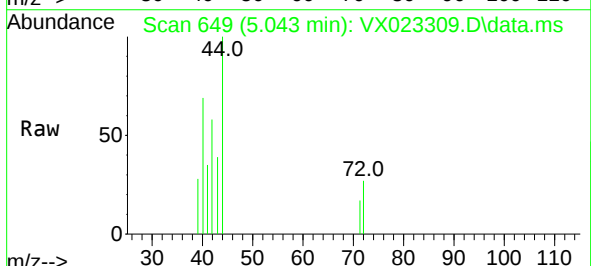
Tgt Ion: 42 Resp: 799

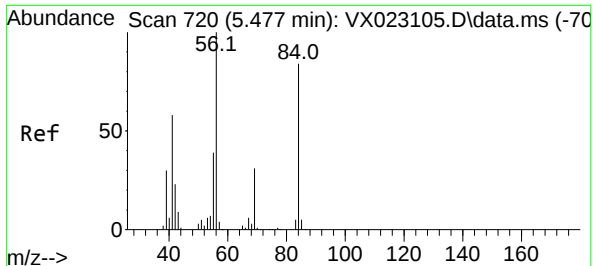
Ion Ratio Lower Upper

42 100

72 24.5 41.7 62.5#

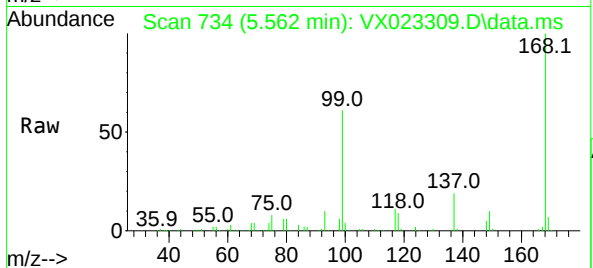
71 20.0 38.4 57.6#



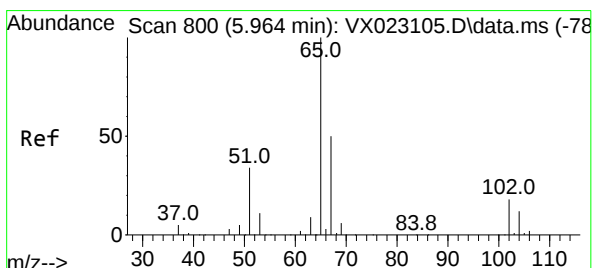
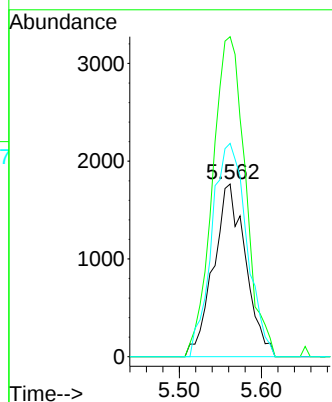
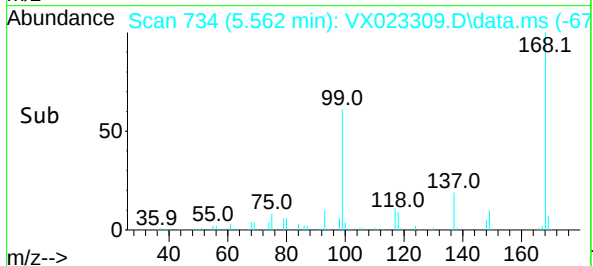


#31  
Cyclohexane  
Concen: 1.285 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

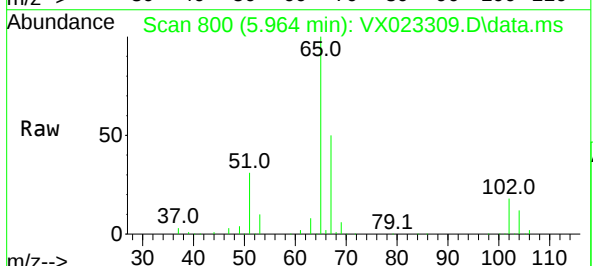
Instrument :  
MSVOA\_X  
ClientSampleId :



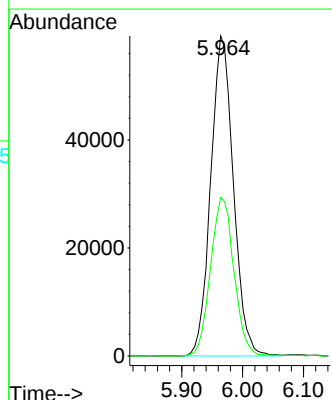
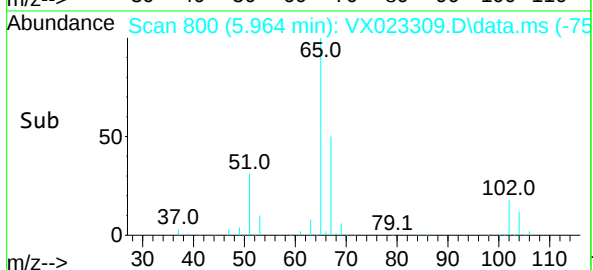
Tgt Ion: 56 Resp: 4785  
Ion Ratio Lower Upper  
56 100  
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84 123.5 71.4 107.0#

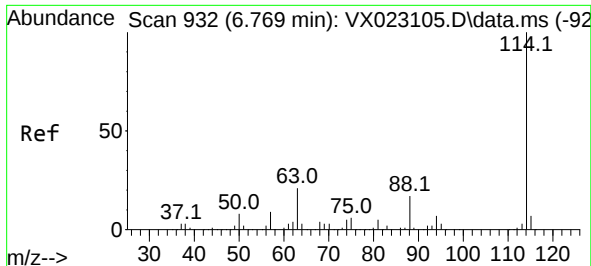


#33  
1,2-Dichloroethane-d4  
Concen: 49.313 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10



Tgt Ion: 65 Resp: 153346  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.4

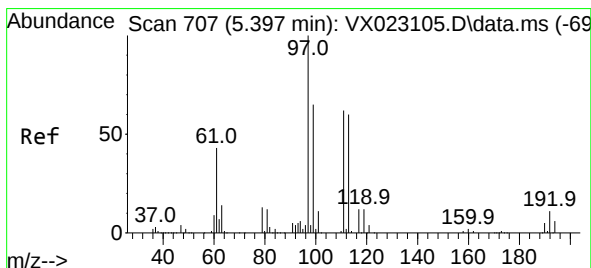
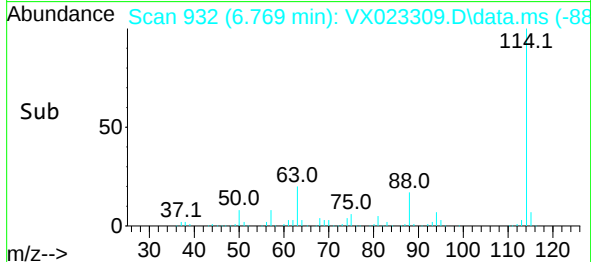
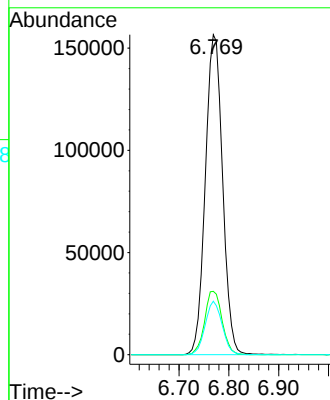
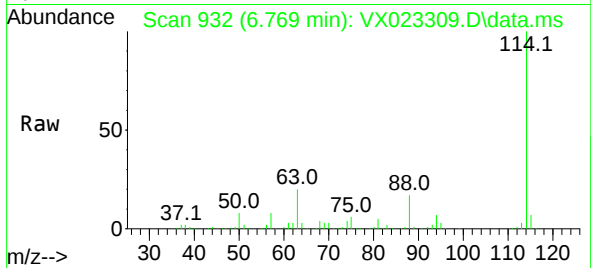




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

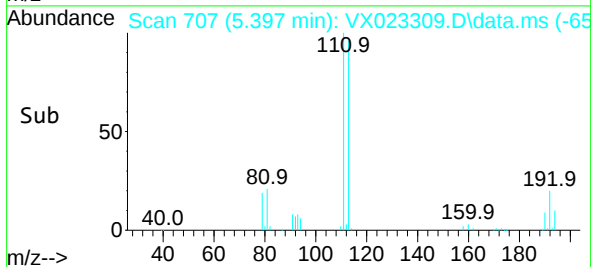
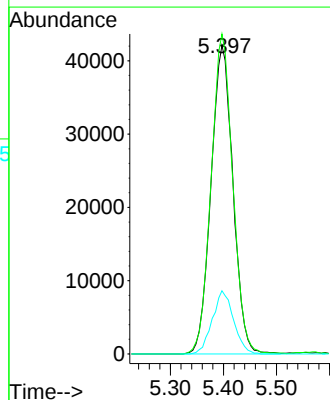
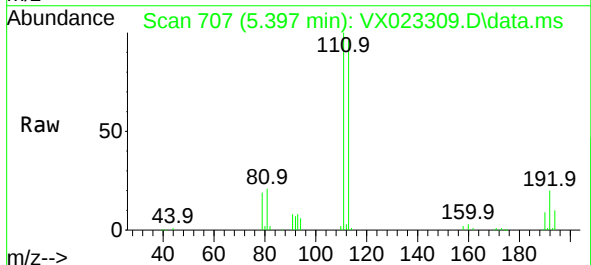
Instrument :  
MSVOA\_X  
ClientSampled :

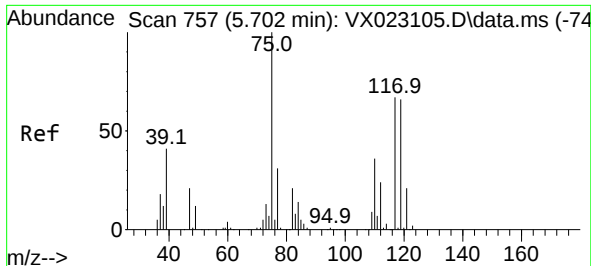
Tgt Ion:114 Resp: 376227  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 40.8  
88 16.7 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.706 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

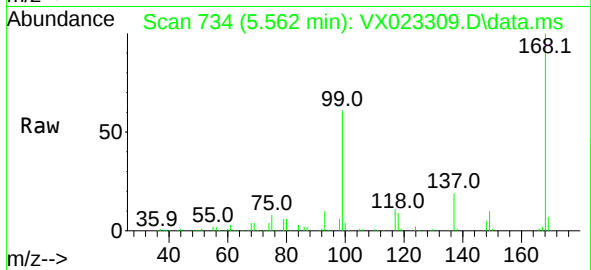
Tgt Ion:113 Resp: 120761  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.9 122.9  
192 19.8 16.7 25.1



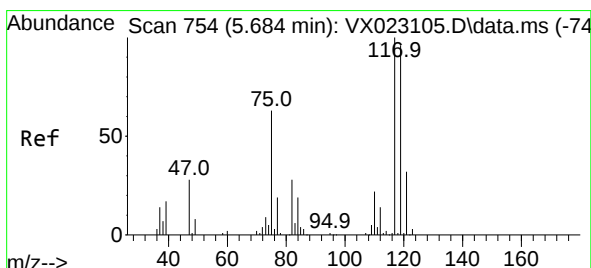
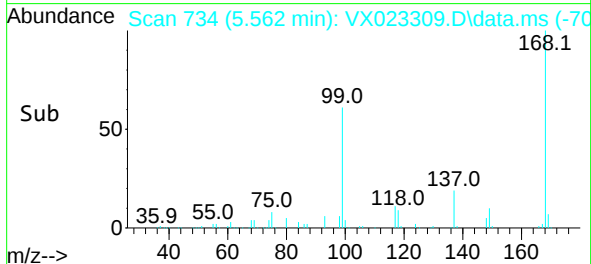
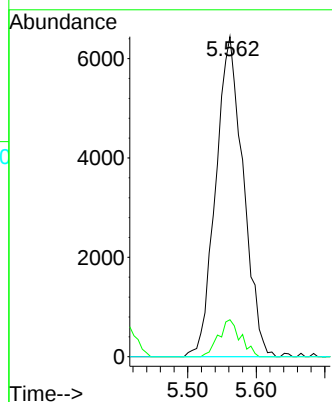


#36  
1,1-Dichloropropene  
Concen: 5.351 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Instrument :  
MSVOA\_X  
ClientSampled :

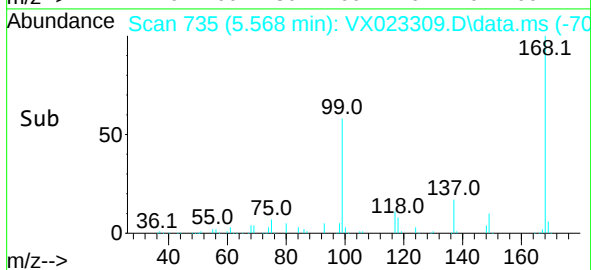
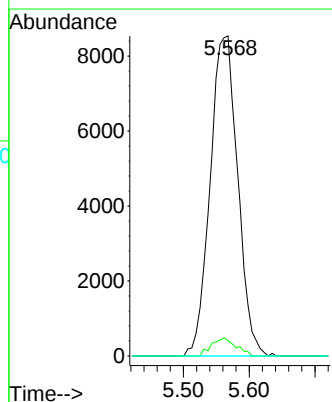
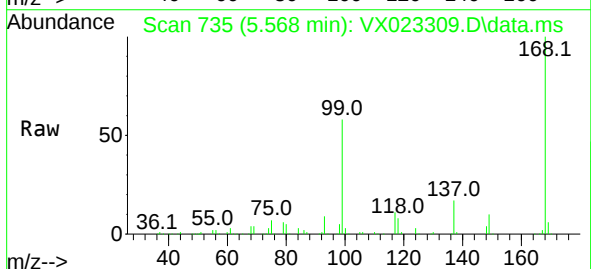


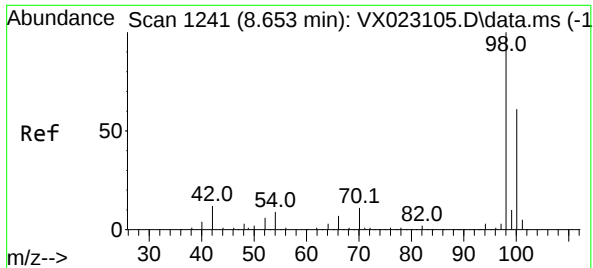
Tgt Ion: 75 Resp: 17947  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 7.122 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.116 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 117 Resp: 24932  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.2 114.2#  
121 0.0 24.8 37.2#

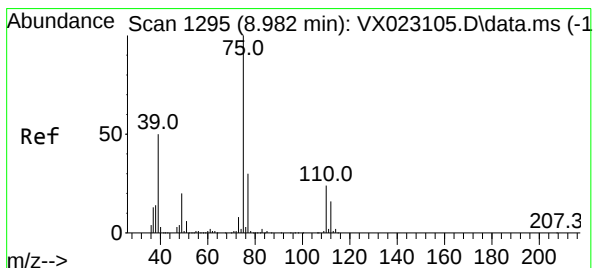
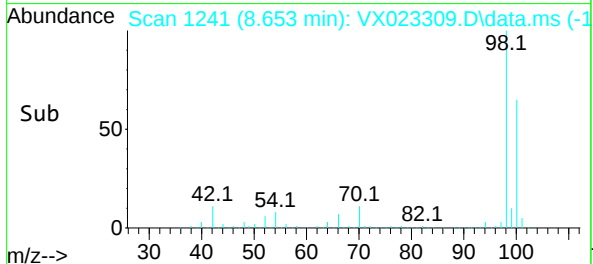
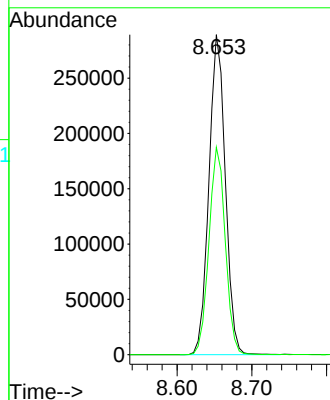
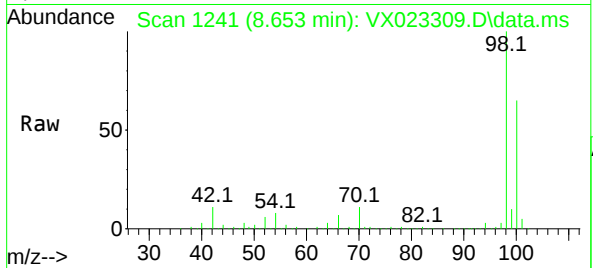




#50  
Toluene-d8  
Concen: 48.603 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

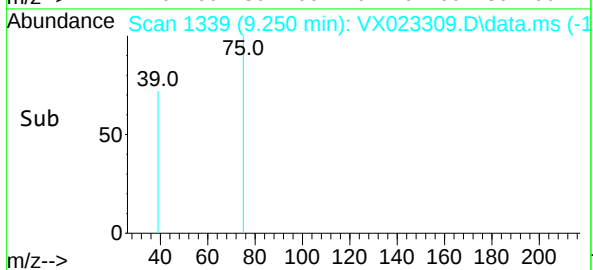
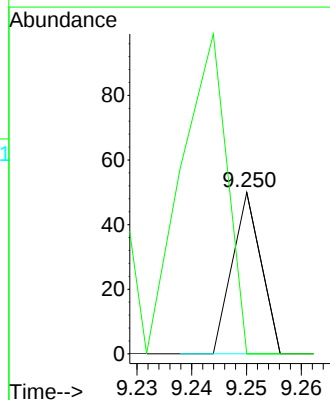
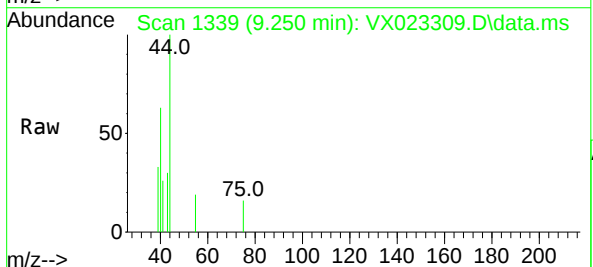
Instrument :  
MSVOA\_X  
ClientSampled :

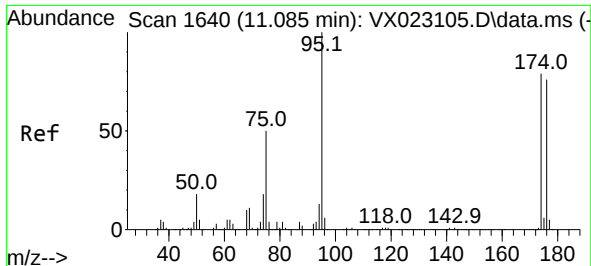
Tgt Ion: 98 Resp: 440475  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9



#53  
t-1,3-Dichloropropene  
Concen: 2.741 ug/l  
RT: 9.250 min Scan# 1339  
Delta R.T. 0.268 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 75 Resp: 18  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#

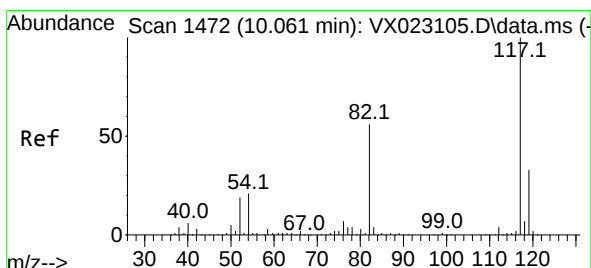
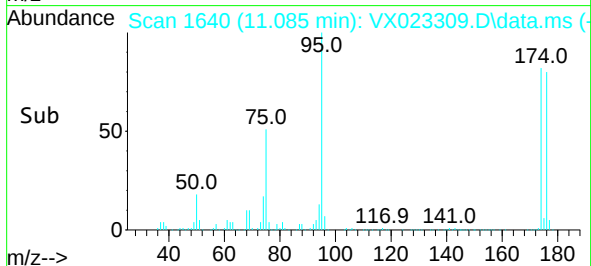
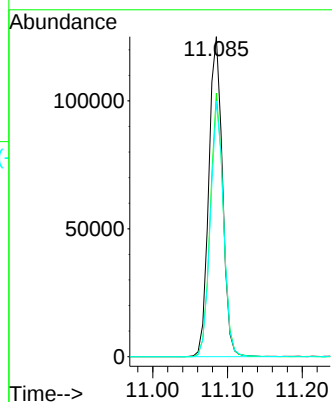
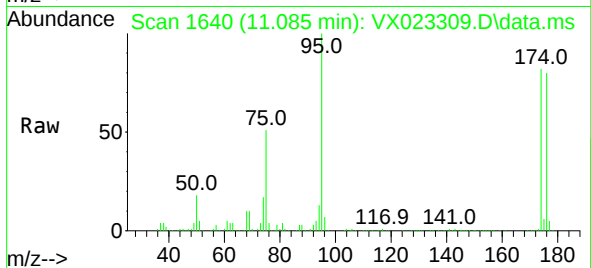




#62  
4-Bromofluorobenzene  
Concen: 45.387 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

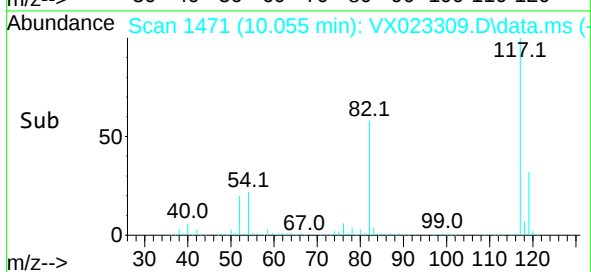
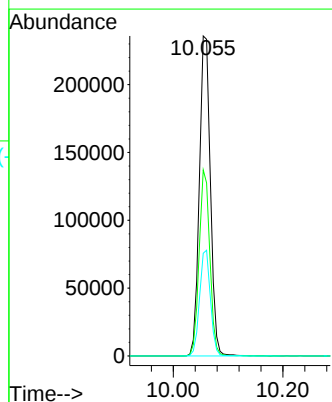
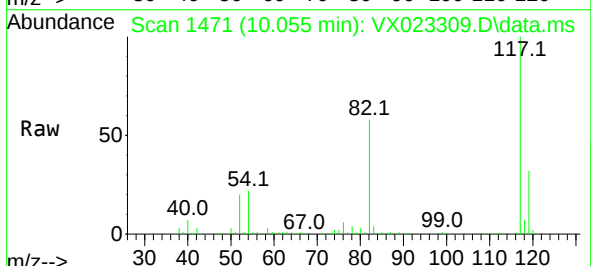
Instrument :  
MSVOA\_X  
ClientSampled :

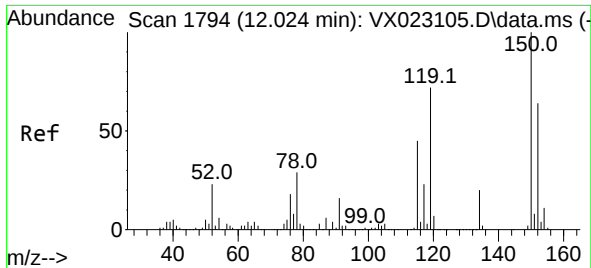
Tgt Ion: 95 Resp: 158796  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 154.6  
176 76.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

Tgt Ion: 117 Resp: 331053  
Ion Ratio Lower Upper  
117 100  
82 58.1 47.4 71.2  
119 32.1 26.6 39.8

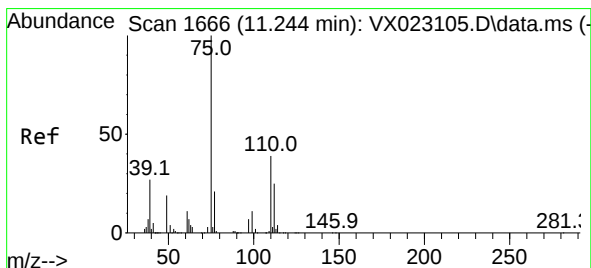
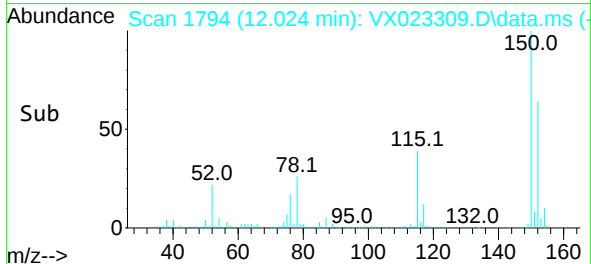
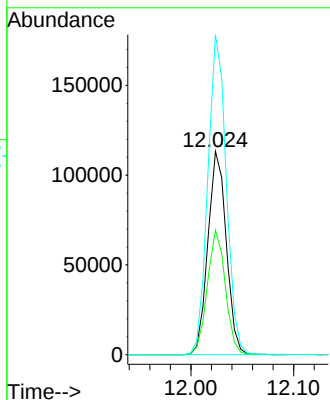
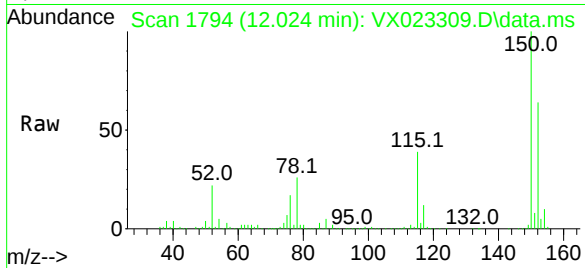




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. -0.000 min  
 Lab File: VX023309.D  
 Acq: 15 Jul 2021 19:10

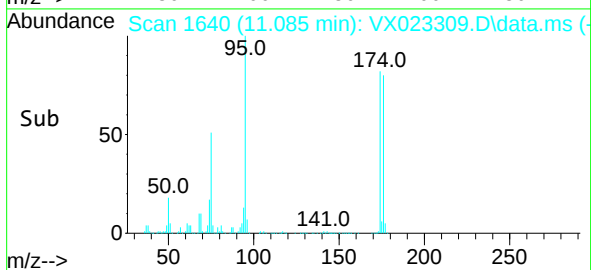
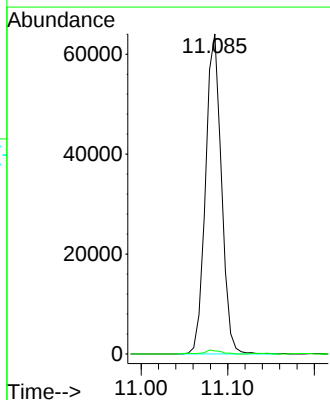
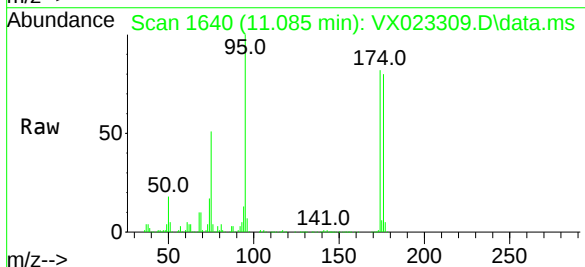
Instrument :  
 MSVOA\_X  
 ClientSampled :

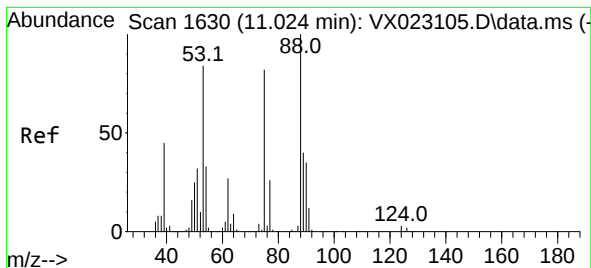
Tgt Ion:152 Resp: 140663  
 Ion Ratio Lower Upper  
 152 100  
 115 60.3 41.1 123.3  
 150 157.6 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 28.757 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023309.D  
 Acq: 15 Jul 2021 19:10

Tgt Ion: 75 Resp: 81401  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#

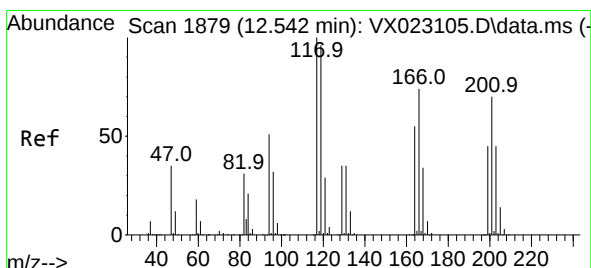
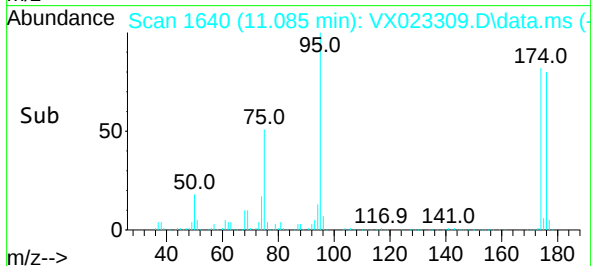
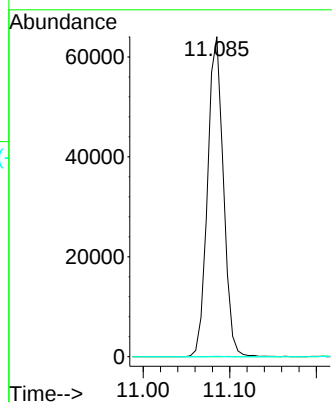
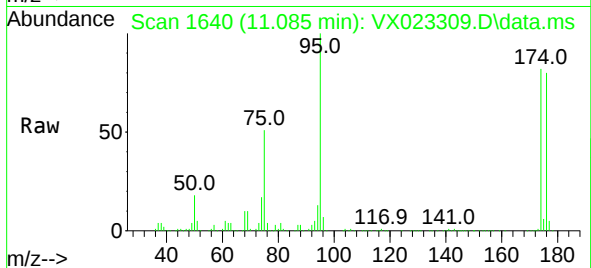




#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.411 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

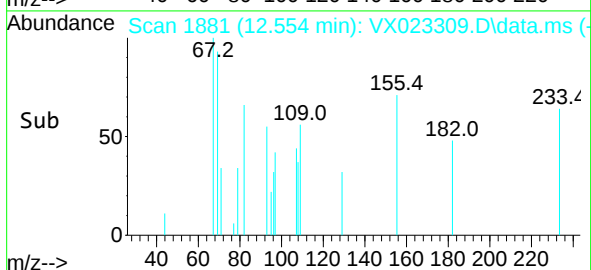
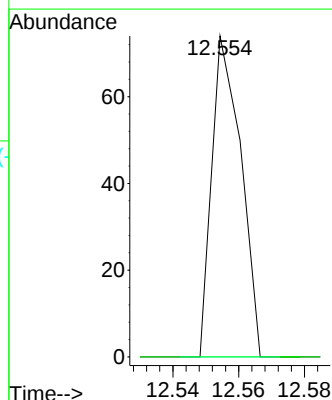
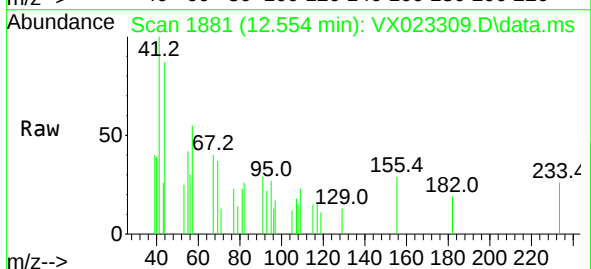
Instrument :  
MSVOA\_X  
ClientSampleId :

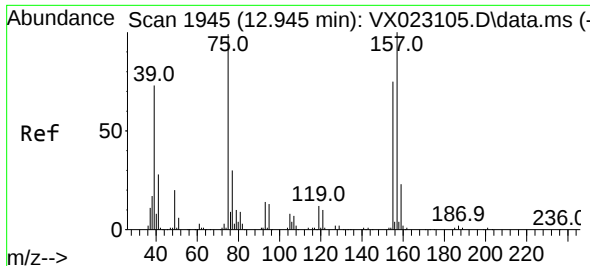
Tgt Ion: 75 Resp: 81401  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.1 37.9 56.9#



#90  
Hexachloroethane  
Concen: 3.024 ug/l  
RT: 12.554 min Scan# 1881  
Delta R.T. 0.012 min  
Lab File: VX023309.D  
Acq: 15 Jul 2021 19:10

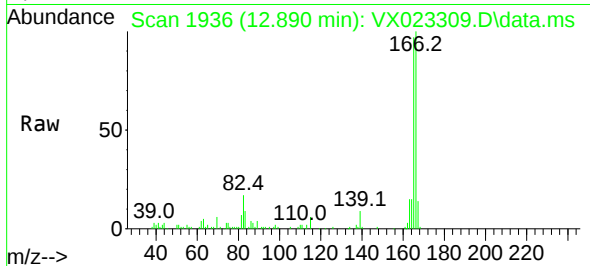
Tgt Ion: 117 Resp: 45  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.4 121.2#



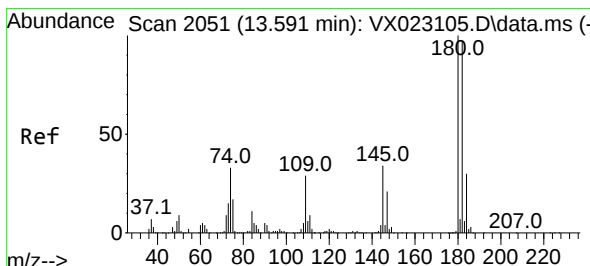
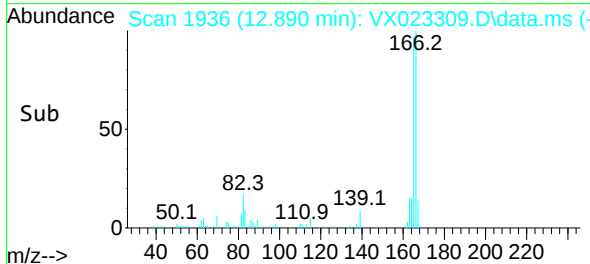
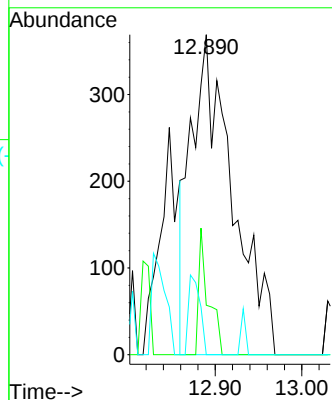


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.082 ug/l  
 RT: 12.890 min Scan# 1936  
 Delta R.T. -0.055 min  
 Lab File: VX023309.D  
 Acq: 15 Jul 2021 19:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :

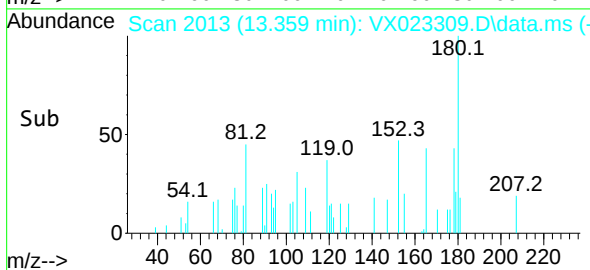
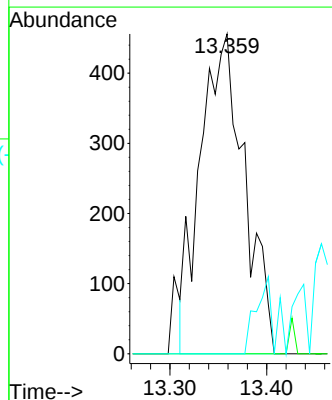
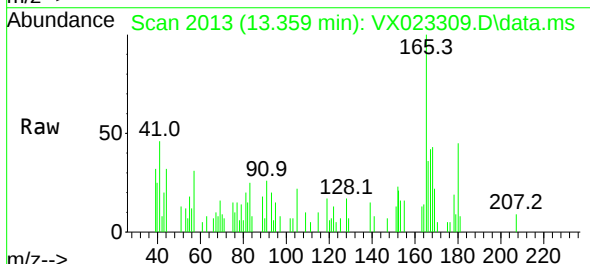


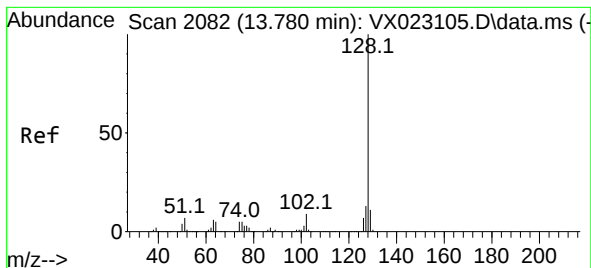
Tgt Ion: 75 Resp: 1231  
 Ion Ratio Lower Upper  
 75 100  
 155 9.2 45.3 135.9#  
 157 5.2 57.7 173.1#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.509 ug/l  
 RT: 13.359 min Scan# 2013  
 Delta R.T. -0.232 min  
 Lab File: VX023309.D  
 Acq: 15 Jul 2021 19:10

Tgt Ion: 180 Resp: 1448  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 47.7 143.1#  
 145 0.0 15.0 45.0#





#95

Naphthalene

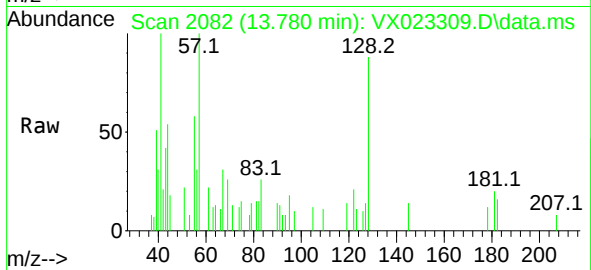
Concen: 1.373 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX023309.D

Acq: 15 Jul 2021 19:10



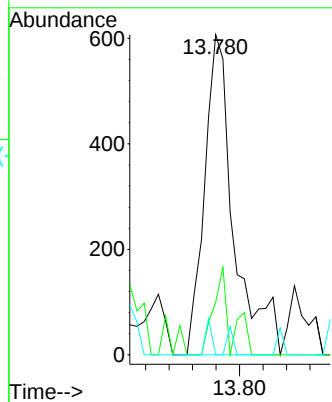
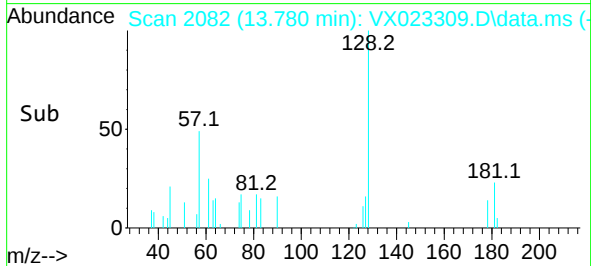
Tgt Ion:128 Resp: 1051

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 2.4 8.8 13.2#



Instrument :  
MSVOA\_X  
ClientSampleId :