

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040323\  
 Data File : VY013170.D  
 Acq On : 03 Apr 2023 13:01  
 Operator : KP/MD  
 Sample : 02163-01  
 Misc : 5.34g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1A

Quant Time: Apr 03 23:07:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y033023S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 03 13:40:57 2023  
 Response via : Initial Calibration

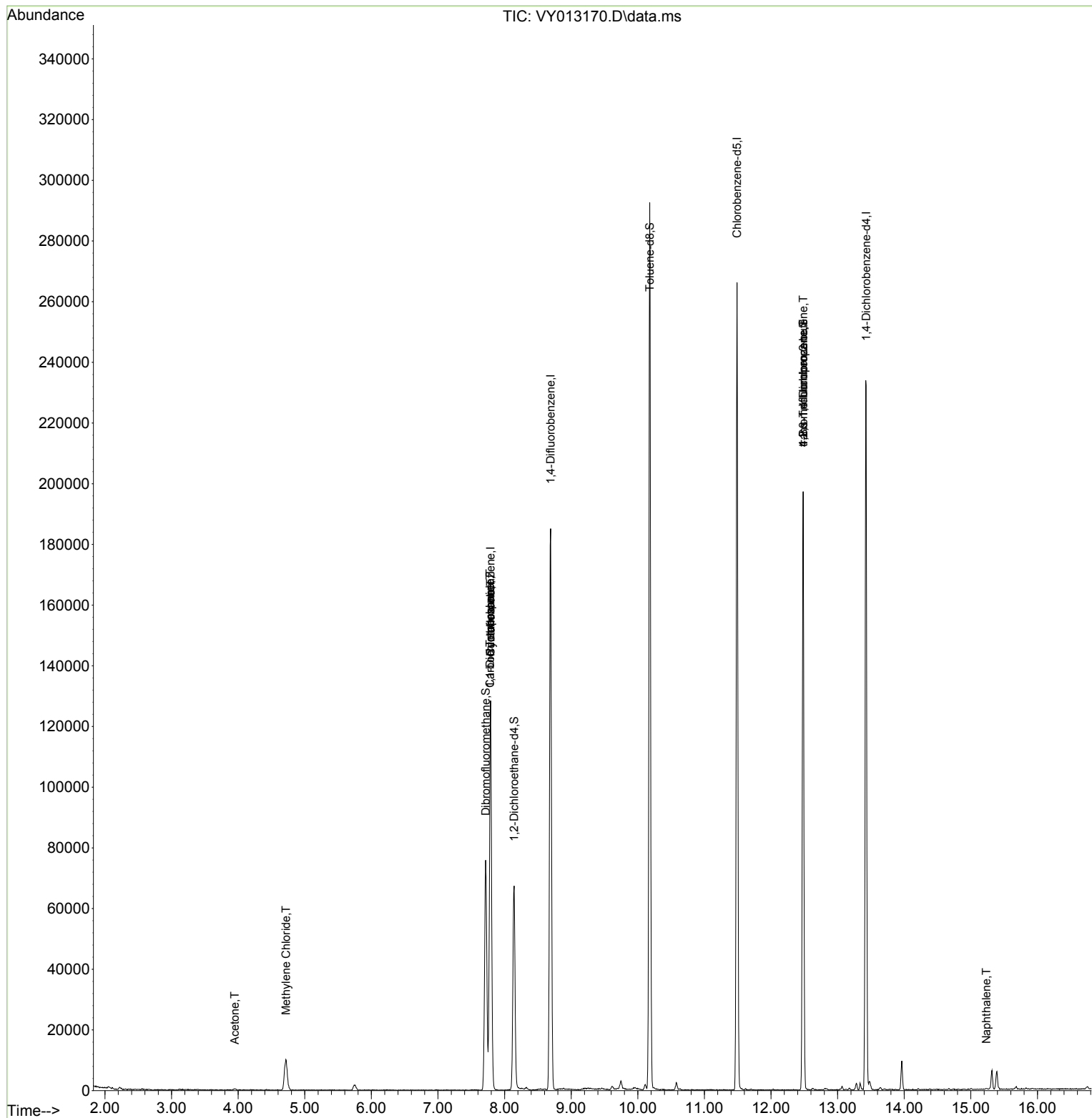
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 100442   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 161588   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 143224   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 63257    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 54050    | 50.073   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 100.140% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 52774    | 49.994   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 99.980%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 188395   | 47.275   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 94.560%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 56760    | 43.758   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 87.520%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.948     | 43    | 721      | 2.184    | ug/l #     | 85       |
| 20) Methylene Chloride        | 4.716     | 84    | 8068     | 1.916    | ug/l       | 86       |
| 31) Cyclohexane               | 7.789     | 56    | 2055     | 1.166    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 6833     | 4.300    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 9333     | 5.323    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 28988    | 40.792   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 28988    | 90.972   | ug/l #     | 13       |
| 95) Naphthalene               | 15.233    | 128   | 446      | 3.409    | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

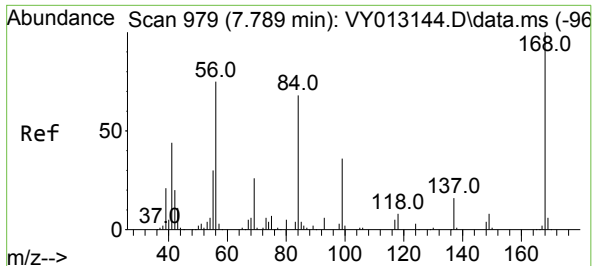
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

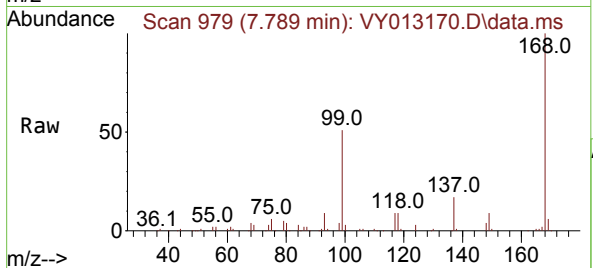
Quant Time: Apr 03 23:07:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y033023S.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 03 13:40:57 2023  
Response via : Initial Calibration



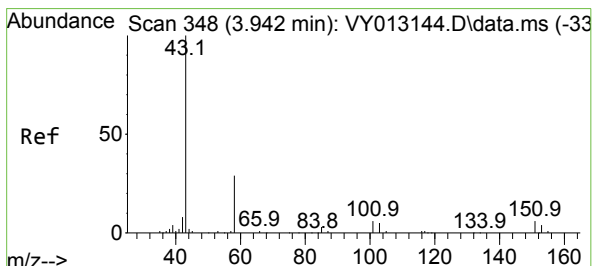
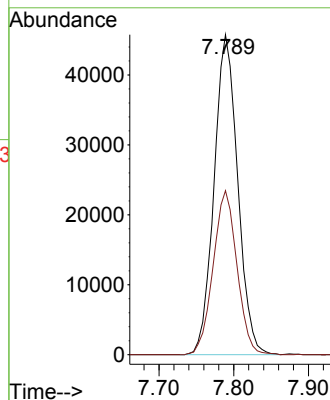
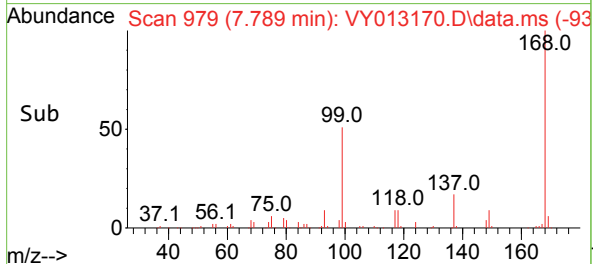


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

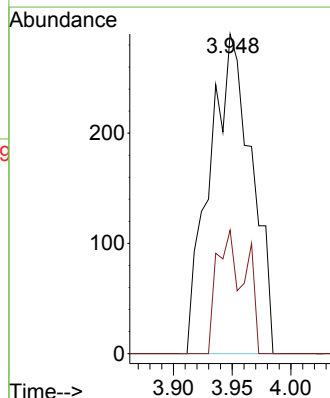
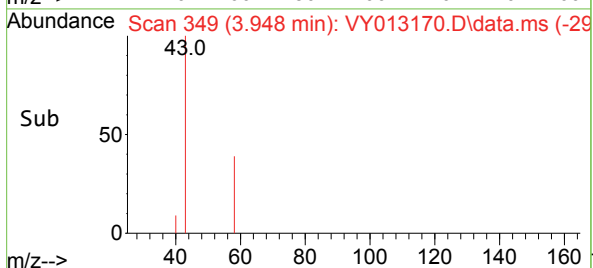
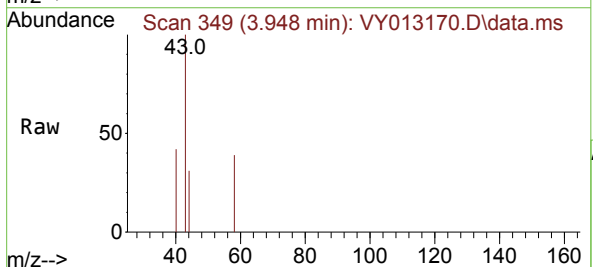


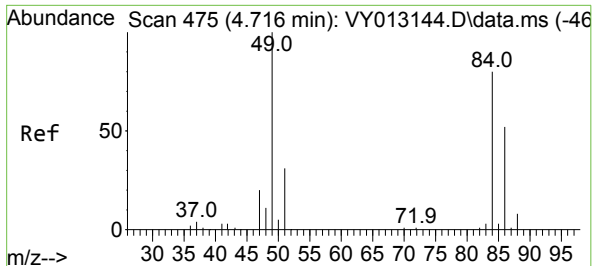
Tgt Ion:168 Resp: 100442  
Ion Ratio Lower Upper  
168 100  
99 51.3 41.7 62.5



#16  
Acetone  
Concen: 2.184 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Tgt Ion: 43 Resp: 721  
Ion Ratio Lower Upper  
43 100  
58 38.6 24.2 36.2#





#20

Methylene Chloride

Concen: 1.916 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013170.D

Acq: 03 Apr 2023 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1A

Tgt Ion: 84 Resp: 8068

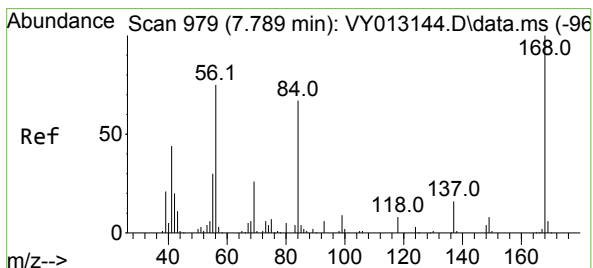
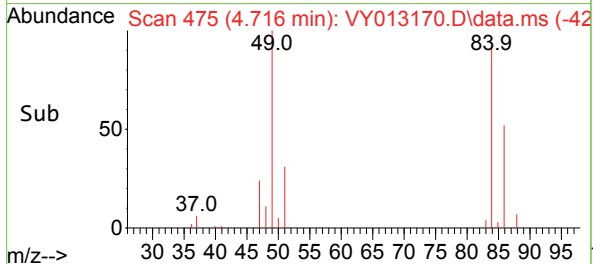
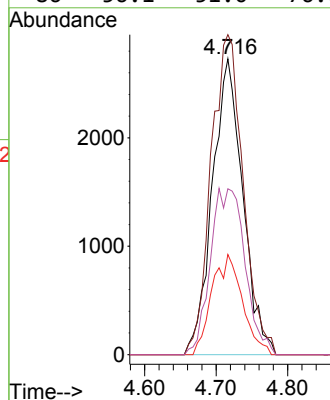
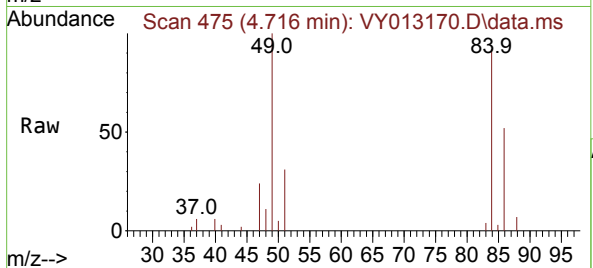
Ion Ratio Lower Upper

84 100

49 108.2 102.6 154.0

51 33.8 31.9 47.9

86 56.1 51.0 76.6



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013170.D

Acq: 03 Apr 2023 13:01

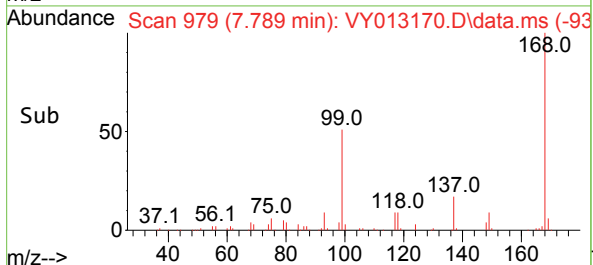
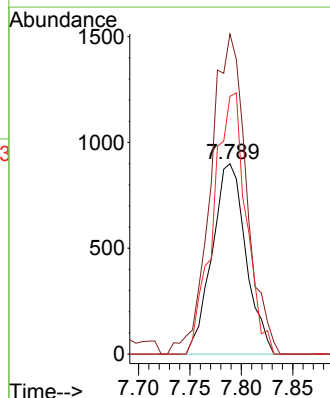
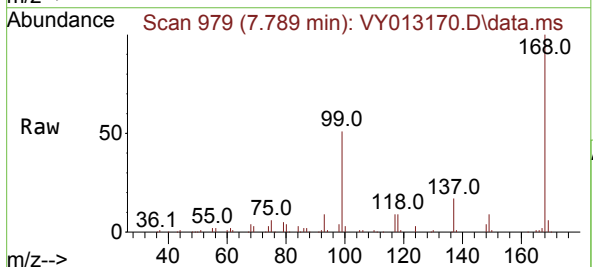
Tgt Ion: 56 Resp: 2055

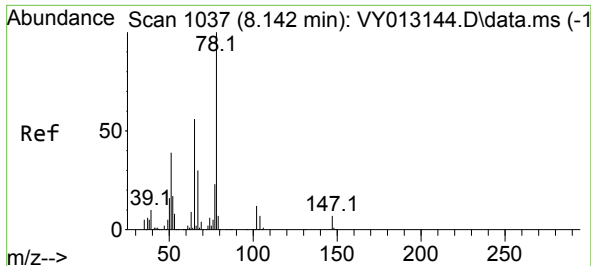
Ion Ratio Lower Upper

56 100

69 168.1 25.7 38.5#

84 135.3 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 50.073 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY013170.D

Acq: 03 Apr 2023 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

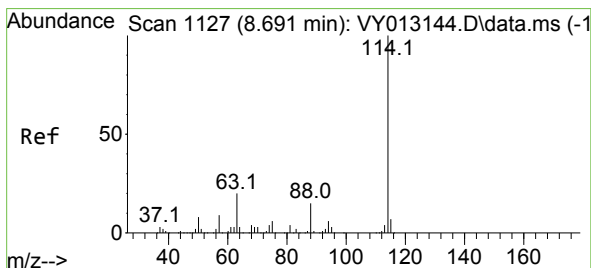
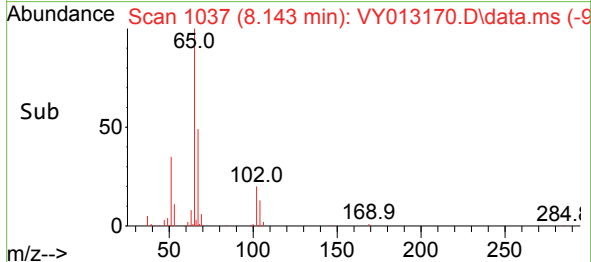
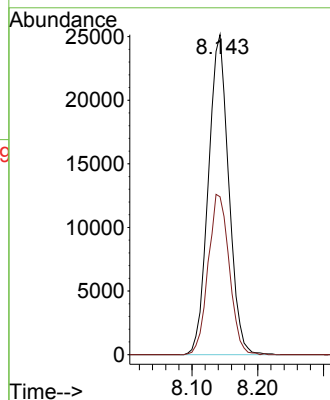
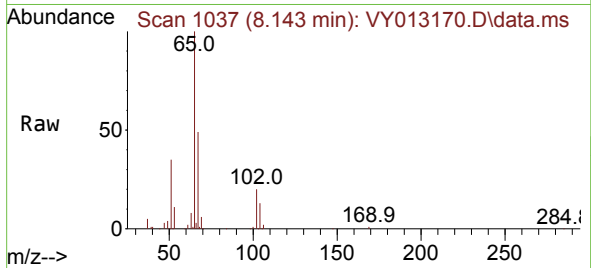
SB-1A

Tgt Ion: 65 Resp: 54050

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013170.D

Acq: 03 Apr 2023 13:01

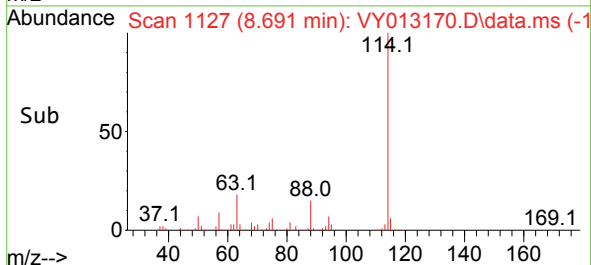
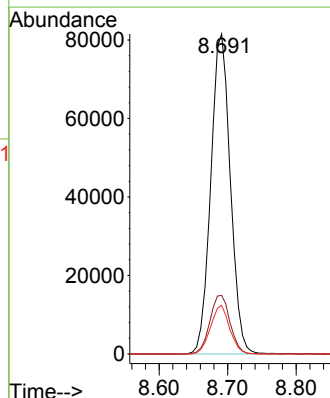
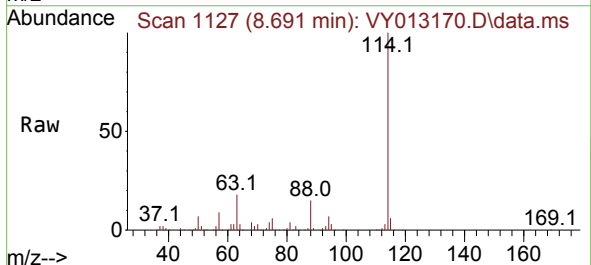
Tgt Ion: 114 Resp: 161588

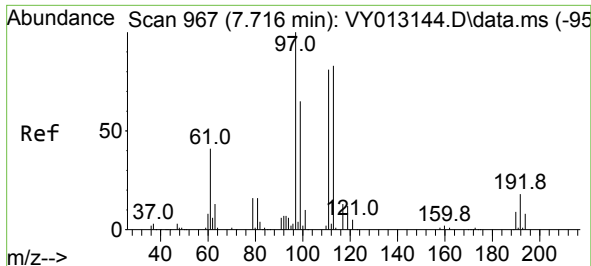
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

88 15.2 0.0 28.6

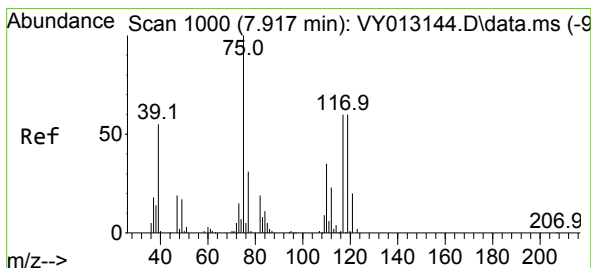
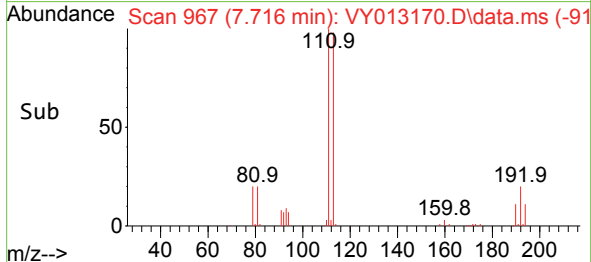
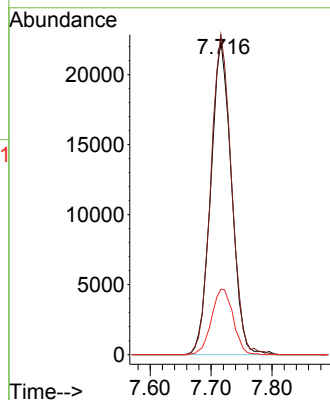
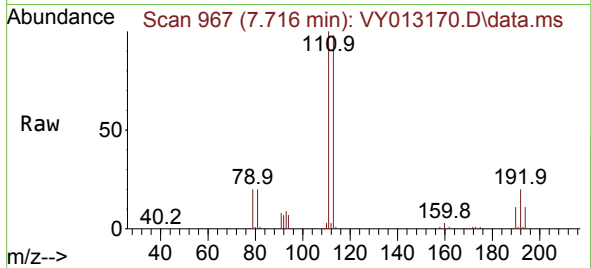




#35  
Dibromofluoromethane  
Concen: 49.994 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

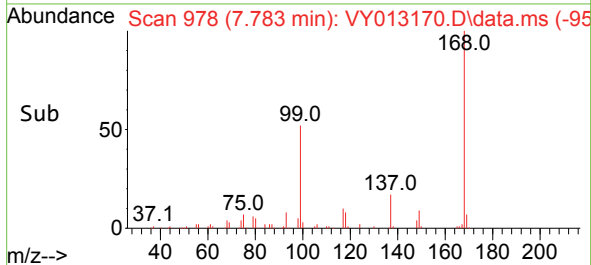
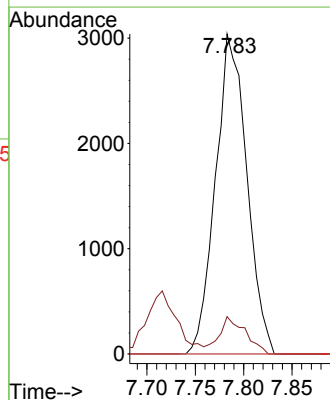
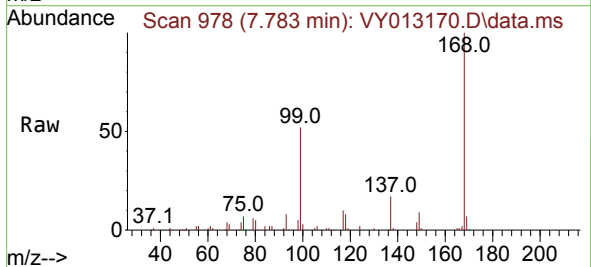
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

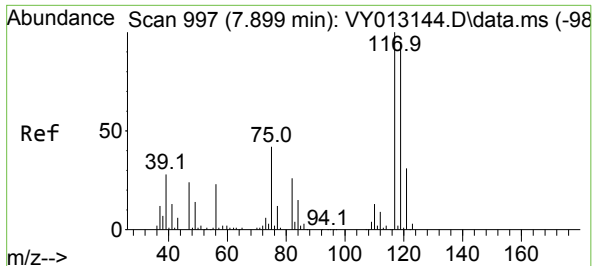
Tgt Ion:113 Resp: 52774  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.2 123.2  
192 21.9 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 4.300 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

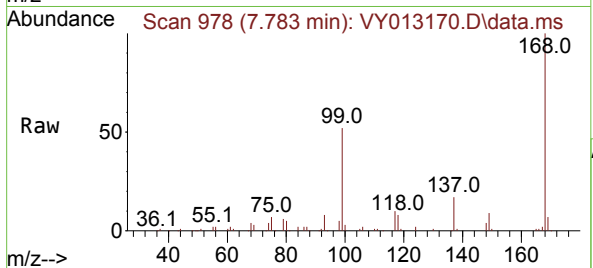
Tgt Ion: 75 Resp: 6833  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.8 53.3#  
77 0.0 25.0 37.4#



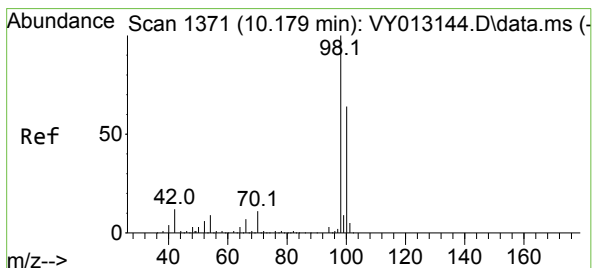
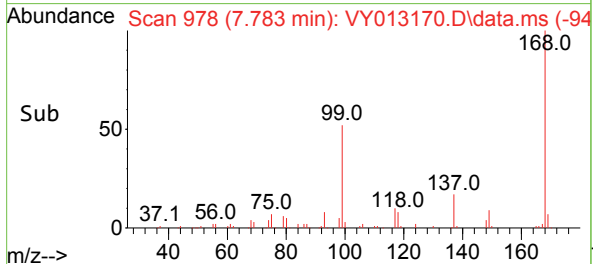
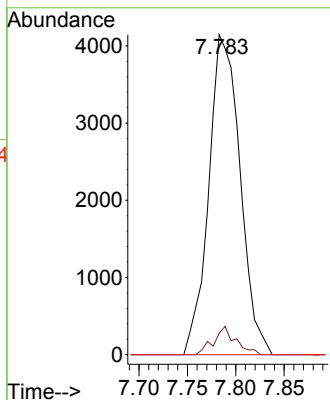


#38  
Carbon Tetrachloride  
Concen: 5.323 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

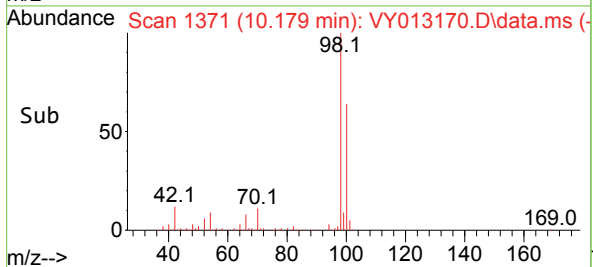
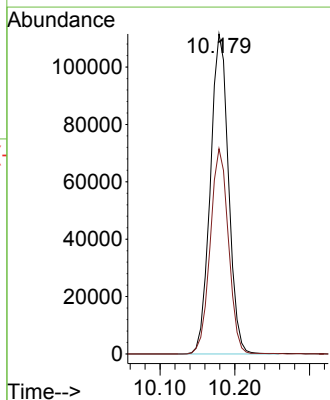
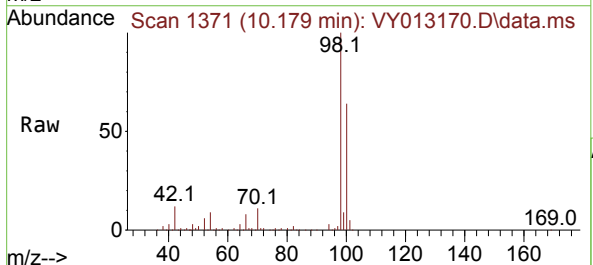


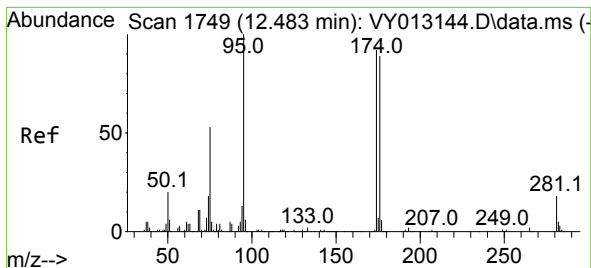
Tgt Ion:117 Resp: 9333  
Ion Ratio Lower Upper  
117 100  
119 6.7 77.2 115.8#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 47.275 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Tgt Ion: 98 Resp: 188395  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.9 76.3

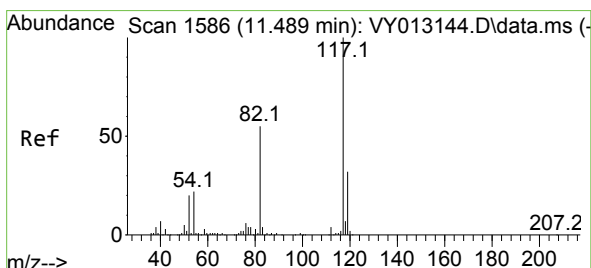
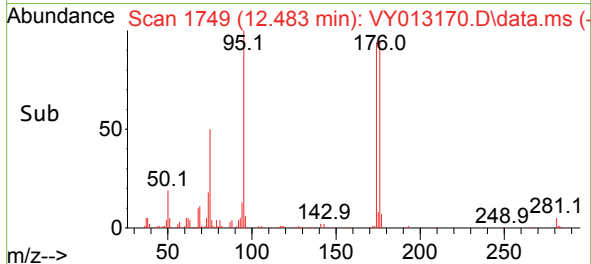
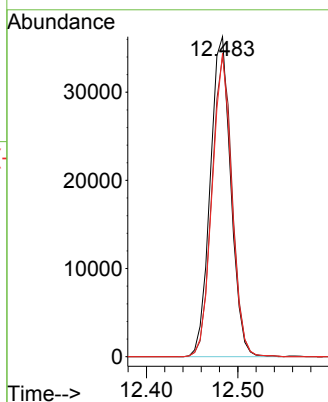
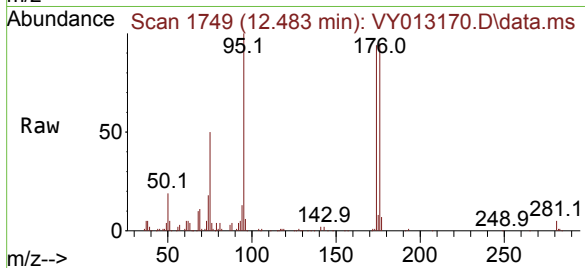




#62  
4-Bromofluorobenzene  
Concen: 43.758 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

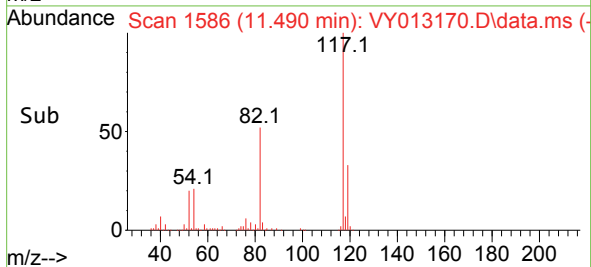
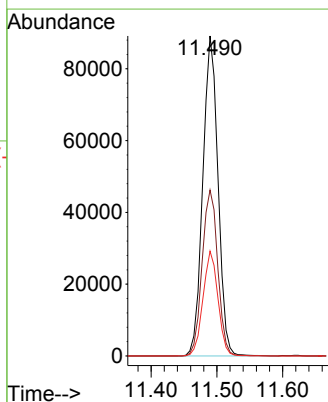
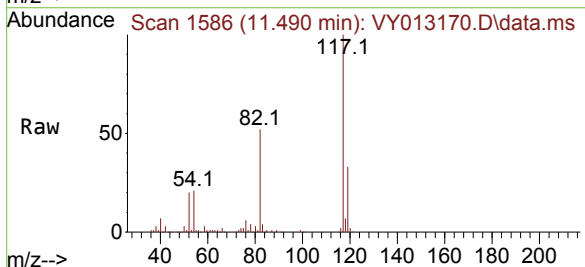
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

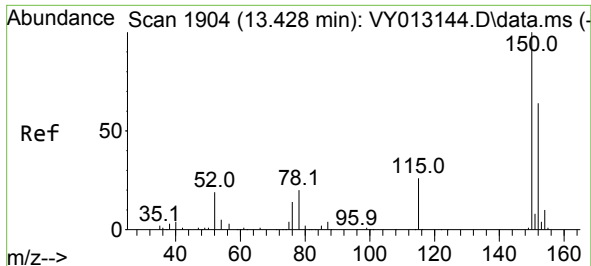
Tgt Ion: 95 Resp: 56760  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 176.6  
176 90.5 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Tgt Ion: 117 Resp: 143224  
Ion Ratio Lower Upper  
117 100  
82 51.8 45.4 68.0  
119 32.7 25.6 38.4

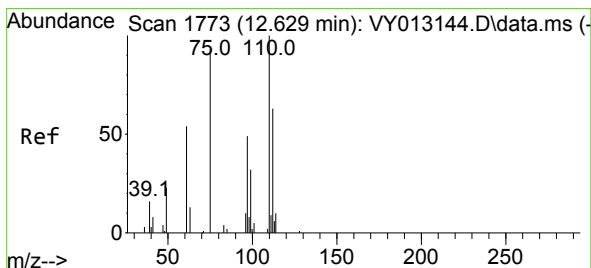
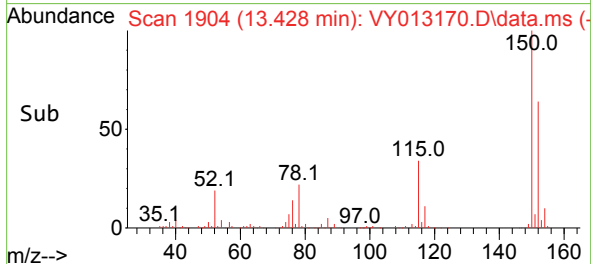
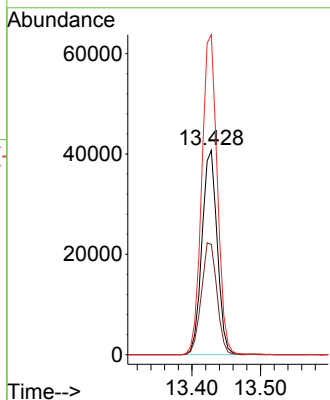
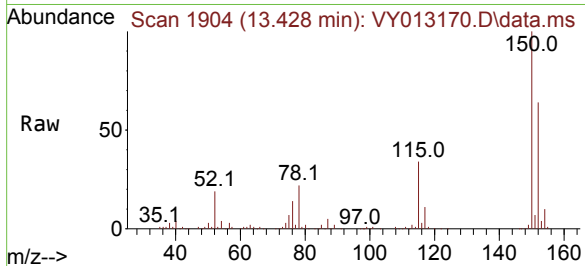




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY013170.D  
 Acq: 03 Apr 2023 13:01

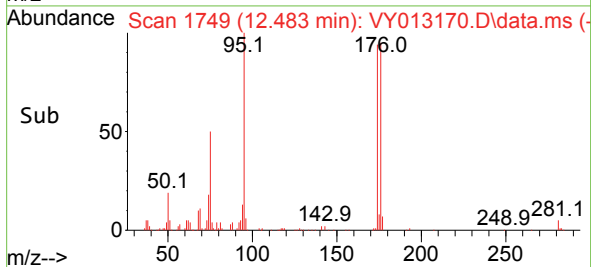
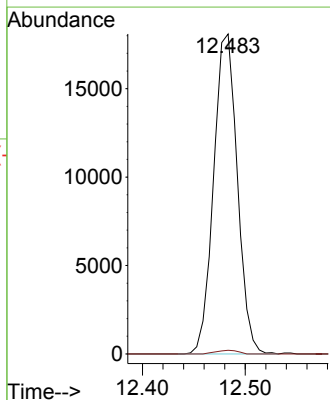
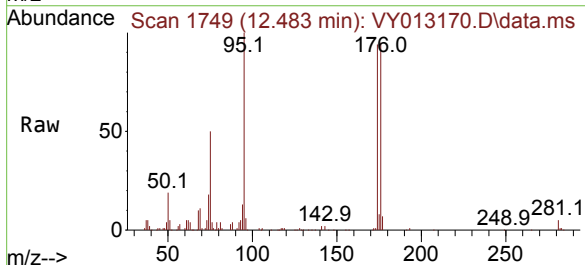
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1A

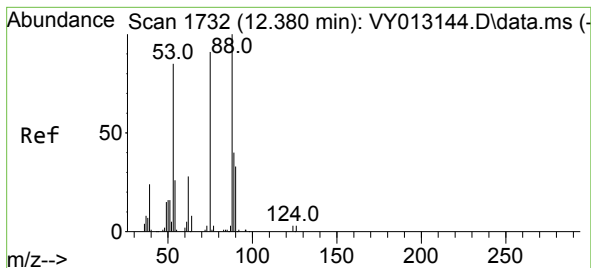
Tgt Ion:152 Resp: 63257  
 Ion Ratio Lower Upper  
 152 100  
 115 55.8 27.1 81.3  
 150 158.9 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 40.792 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY013170.D  
 Acq: 03 Apr 2023 13:01

Tgt Ion: 75 Resp: 28988  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#

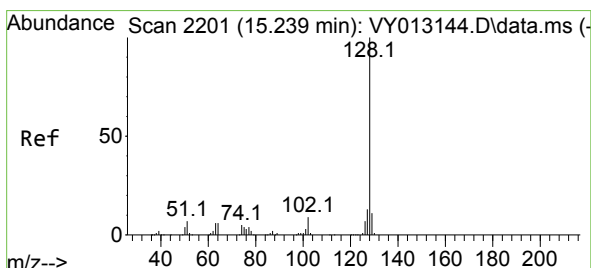
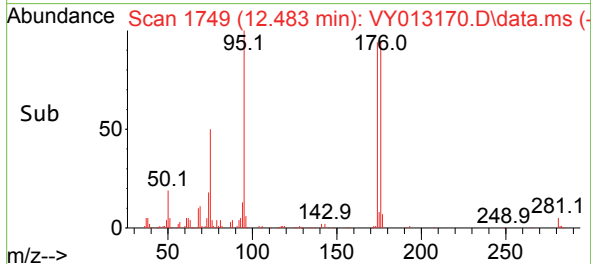
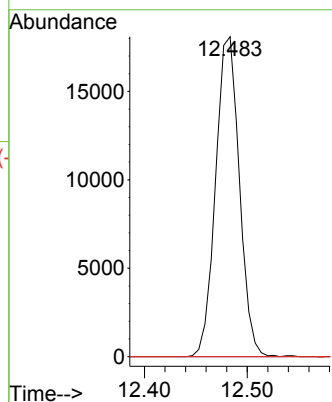
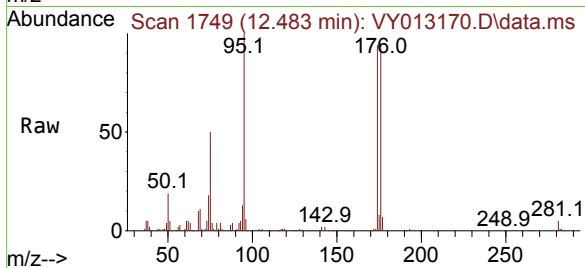




#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.972 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1A

Tgt Ion: 75 Resp: 28988  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.0 36.6 55.0#



#95  
Naphthalene  
Concen: 3.409 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.006 min  
Lab File: VY013170.D  
Acq: 03 Apr 2023 13:01

Tgt Ion:128 Resp: 446  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#

