

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031524\  
 Data File : VY017677.D  
 Acq On : 15 Mar 2024 16:58  
 Operator : SY/MD  
 Sample : P1746-09RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 18 Sample Multiplier: 1

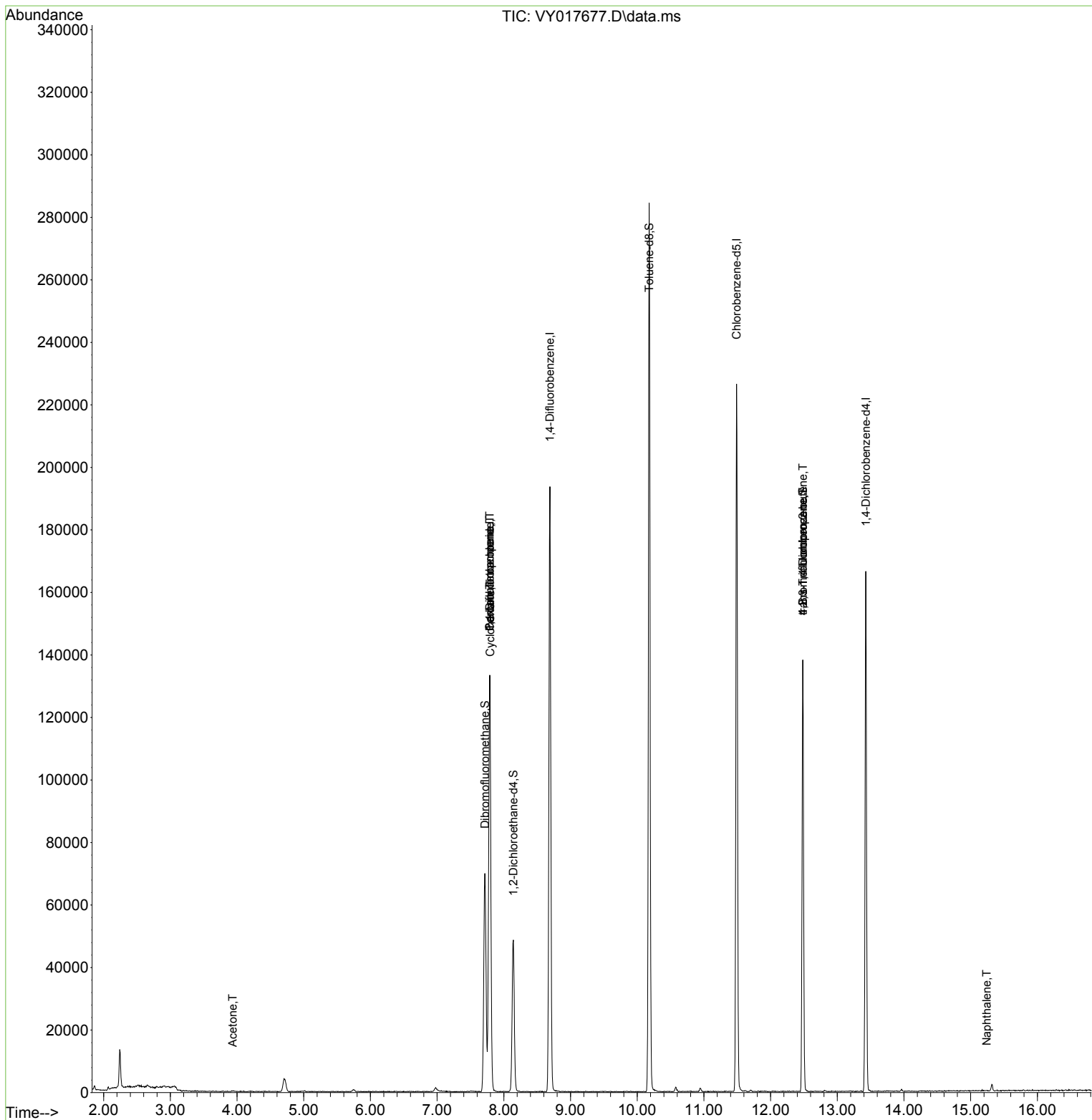
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-03-2.0-3.0RE

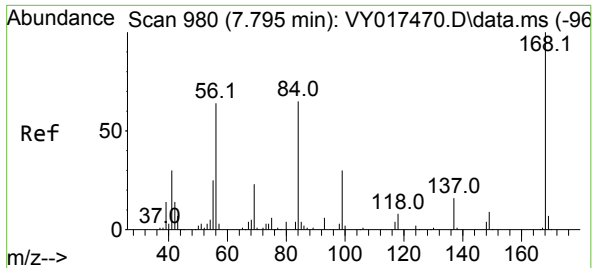
Quant Time: Mar 16 00:18:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 112207   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 176897   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 135873   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 43808    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 37132    | 34.918    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 69.840%  |
| 35) Dibromofluoromethane      | 7.715  | 113   | 51144    | 41.490    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 82.980%  |
| 50) Toluene-d8                | 10.178 | 98    | 195893   | 45.452    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 90.900%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 41784    | 30.849    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 61.700%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.936  | 43    | 215      | 1.042     | ug/l # | 36       |
| 20) Methylene Chloride        | 4.710  | 84    | 3790     | Below Cal | #      | 86       |
| 31) Cyclohexane               | 7.795  | 56    | 1743     | 1.007     | ug/l # | 4        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 7789     | 4.683     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10169    | 6.101     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 20404    | 49.020    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 20404    | 112.636   | ug/l # | 16       |
| 95) Naphthalene               | 15.239 | 128   | 89       | 3.974     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

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

Quant Time: Mar 16 00:18:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

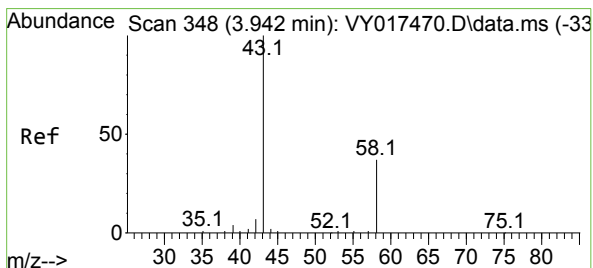
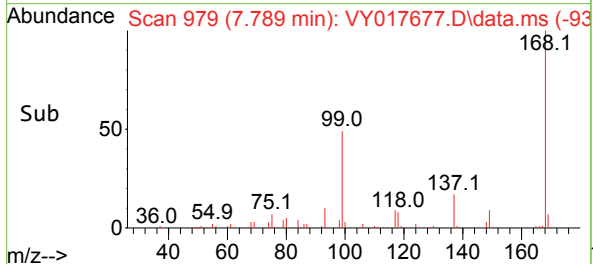
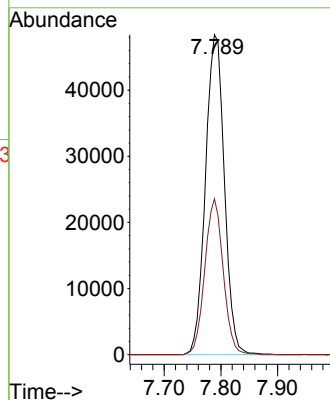
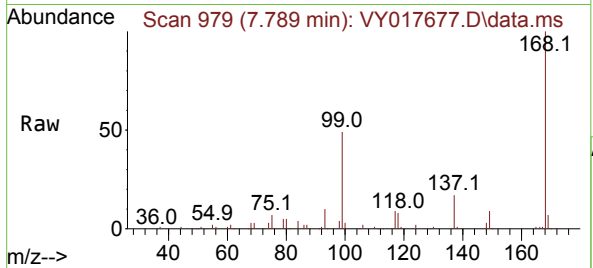




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

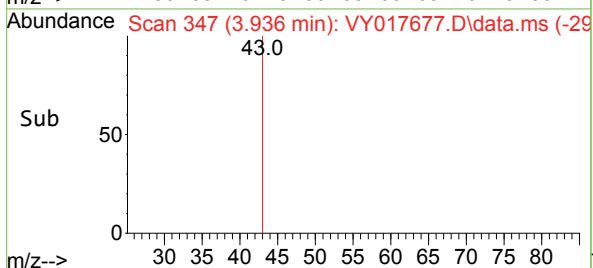
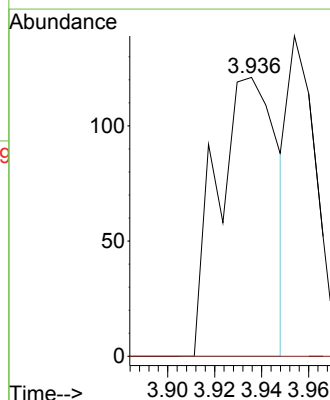
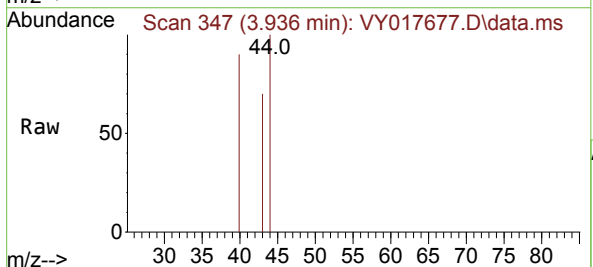
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-2.0-3.0RE

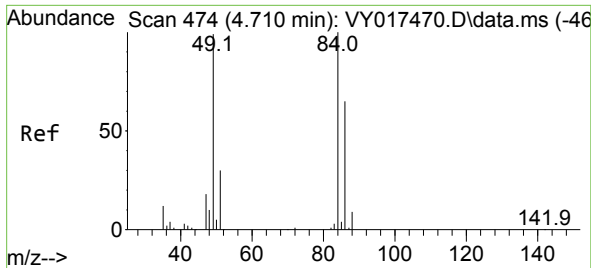
Tgt Ion:168 Resp: 112207  
Ion Ratio Lower Upper  
168 100  
99 48.7 39.1 58.7



#16  
Acetone  
Concen: 1.042 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

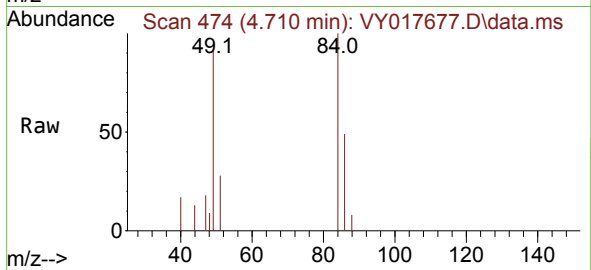
Tgt Ion: 43 Resp: 215  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



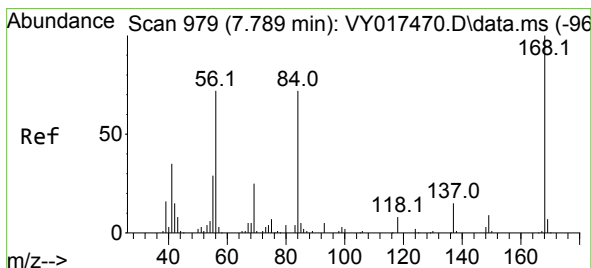
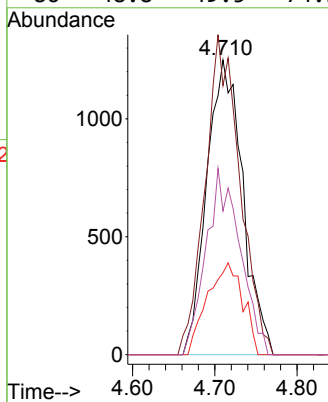
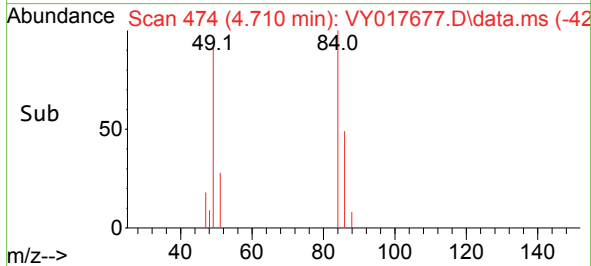


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

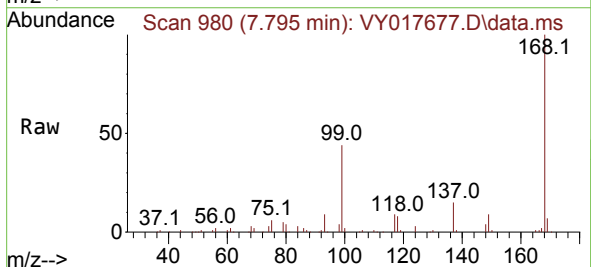
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-2.0-3.0RE



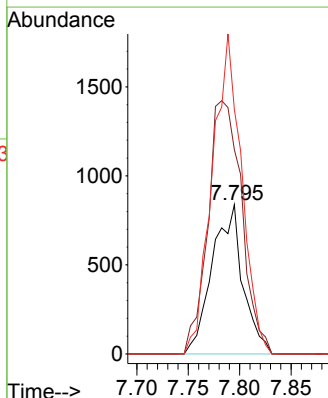
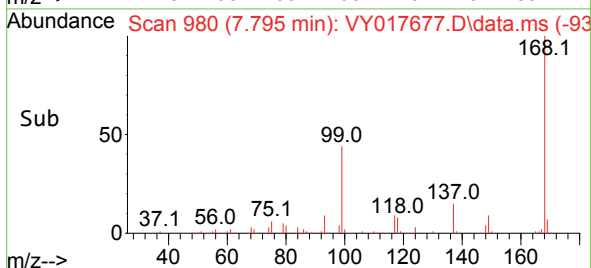
Tgt Ion: 84 Resp: 3790  
Ion Ratio Lower Upper  
84 100  
49 91.4 84.4 126.6  
51 27.8 26.0 39.0  
86 48.8 49.5 74.3#

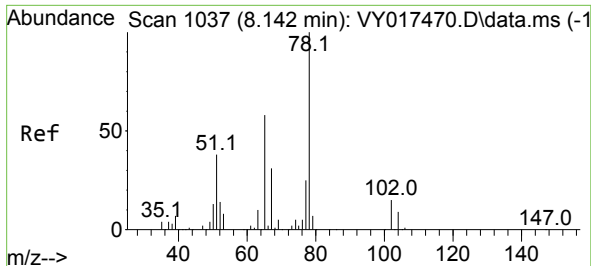


#31  
Cyclohexane  
Concen: 1.007 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58



Tgt Ion: 56 Resp: 1743  
Ion Ratio Lower Upper  
56 100  
69 136.9 28.7 43.1#  
84 163.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 34.918 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY017677.D

Acq: 15 Mar 2024 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

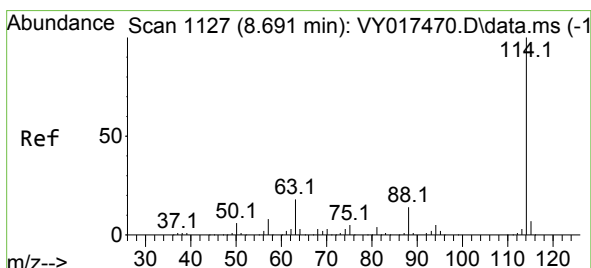
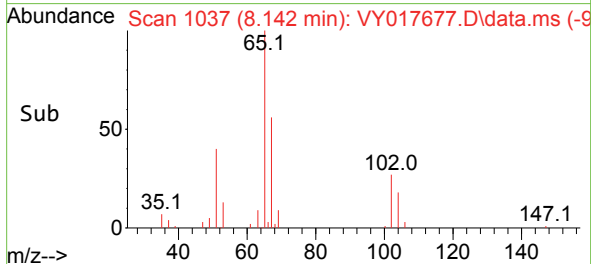
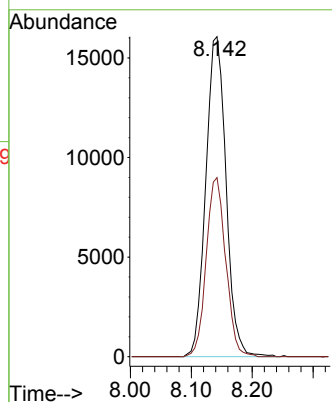
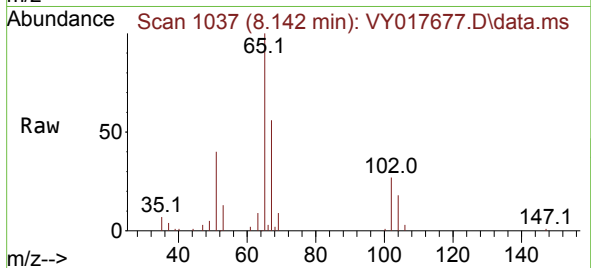
SB-03-2.0-3.0RE

Tgt Ion: 65 Resp: 37132

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017677.D

Acq: 15 Mar 2024 16:58

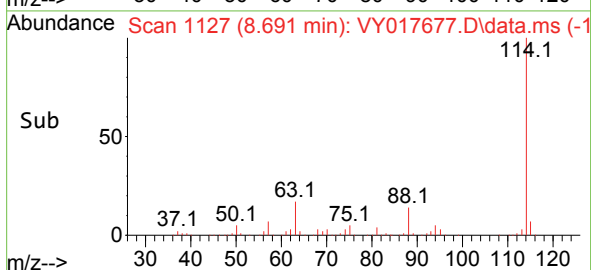
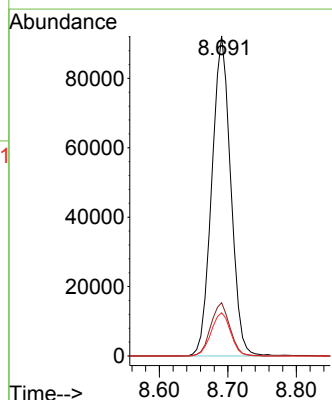
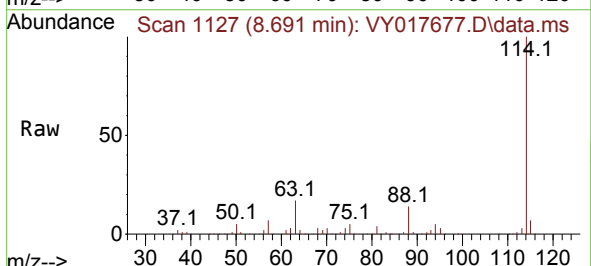
Tgt Ion: 114 Resp: 176897

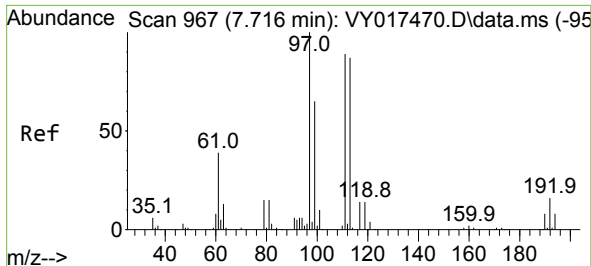
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 13.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 41.490 ug/l

RT: 7.715 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY017677.D

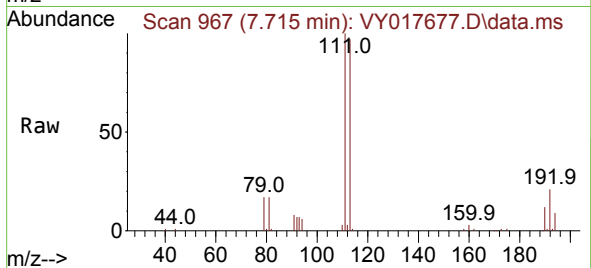
Acq: 15 Mar 2024 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

SB-03-2.0-3.0RE



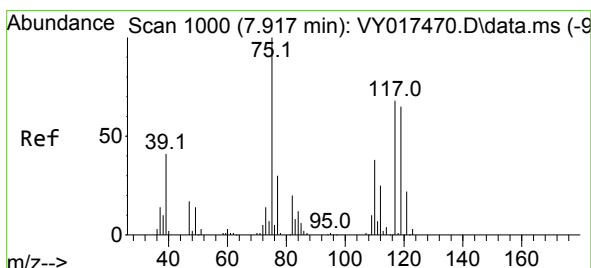
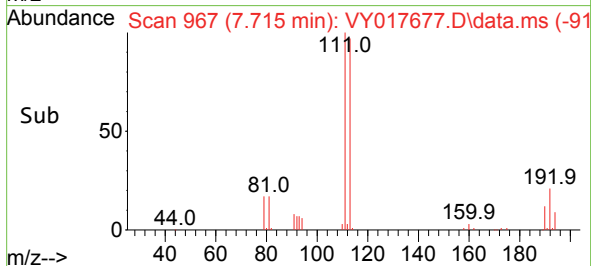
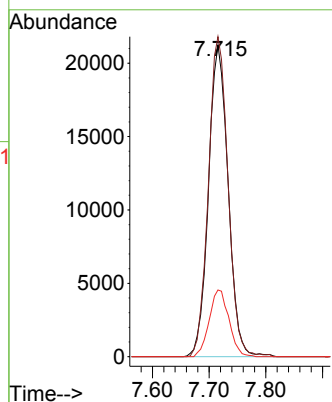
Tgt Ion:113 Resp: 51144

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 21.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY017677.D

Acq: 15 Mar 2024 16:58

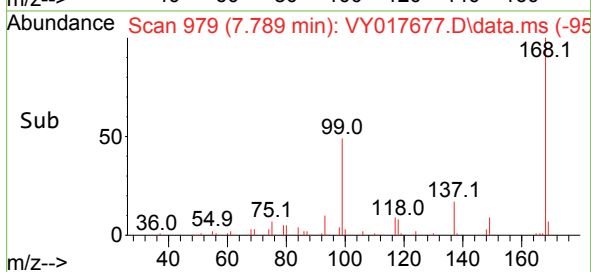
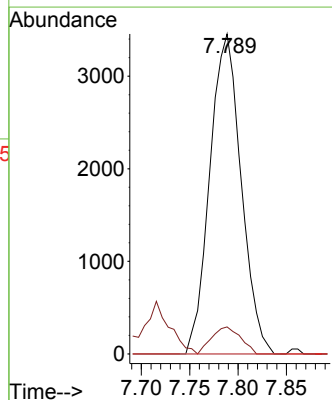
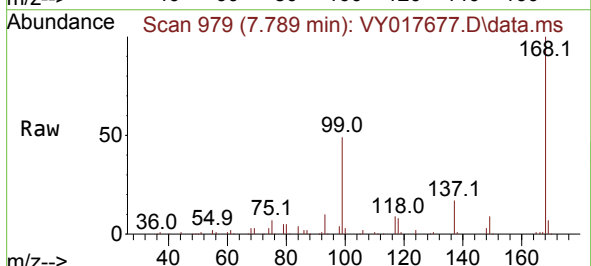
Tgt Ion: 75 Resp: 7789

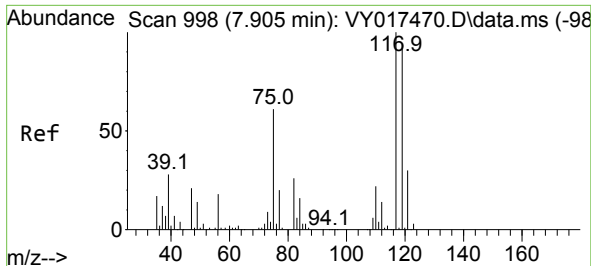
Ion Ratio Lower Upper

75 100

110 7.8 19.0 57.0#

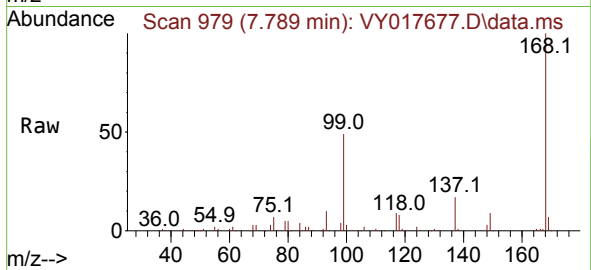
77 0.0 25.3 37.9#



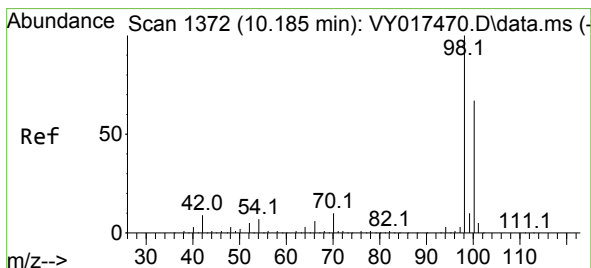
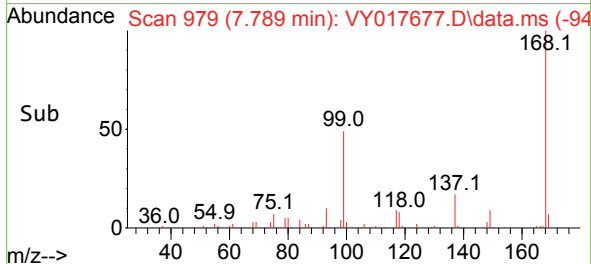
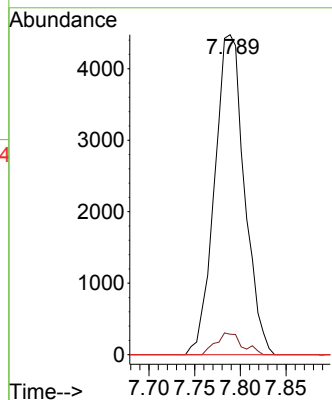


#38  
Carbon Tetrachloride  
Concen: 6.101 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-2.0-3.0RE

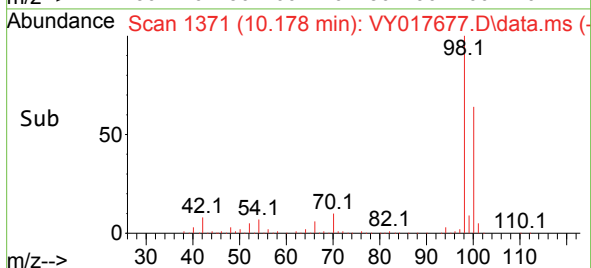
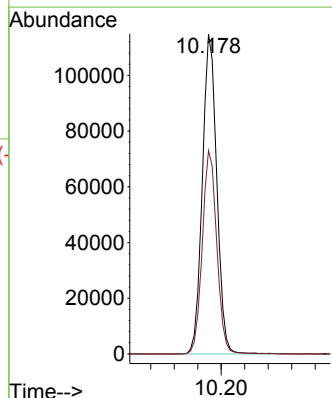
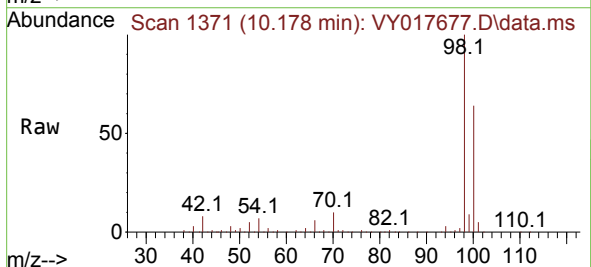


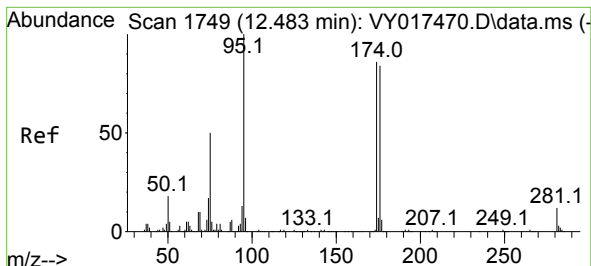
Tgt Ion:117 Resp: 10169  
Ion Ratio Lower Upper  
117 100  
119 6.4 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 45.452 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

Tgt Ion: 98 Resp: 195893  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0

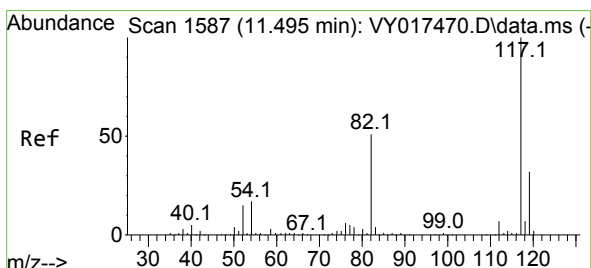
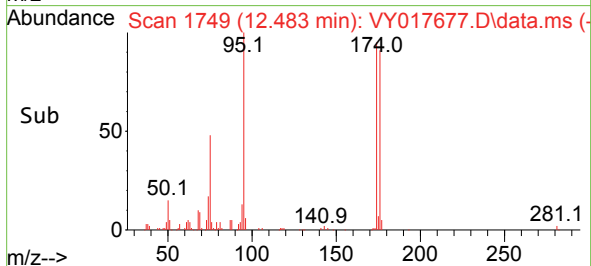
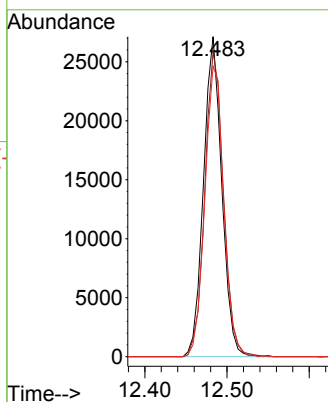
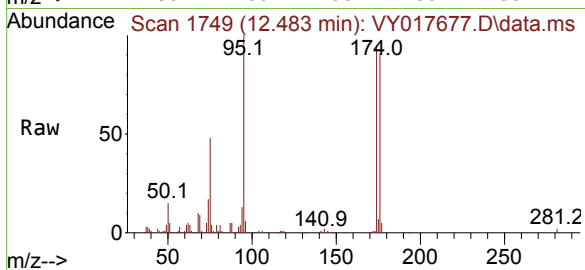




#62  
4-Bromofluorobenzene  
Concen: 30.849 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

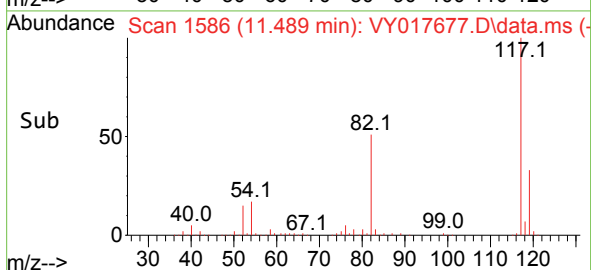
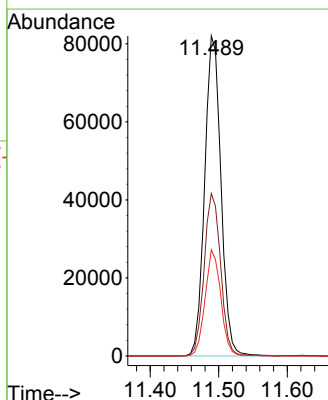
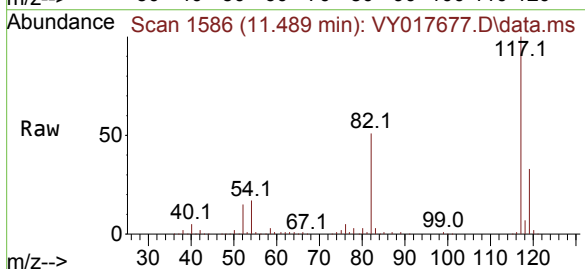
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-2.0-3.0RE

Tgt Ion: 95 Resp: 41784  
Ion Ratio Lower Upper  
95 100  
174 97.5 0.0 175.6  
176 94.1 0.0 171.4

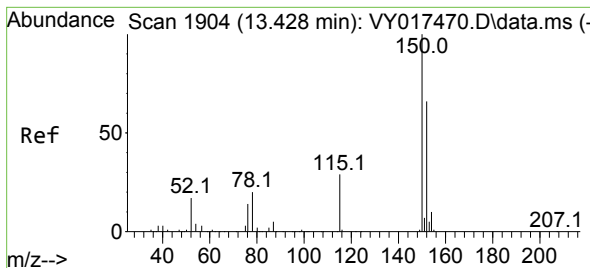


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

Tgt Ion: 117 Resp: 135873  
Ion Ratio Lower Upper  
117 100  
82 50.8 42.4 63.6  
119 33.2 25.9 38.9



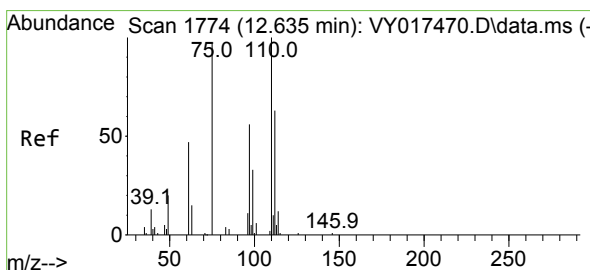
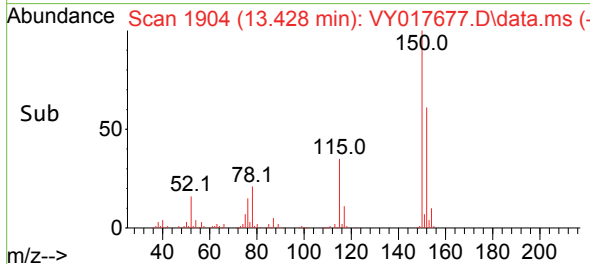
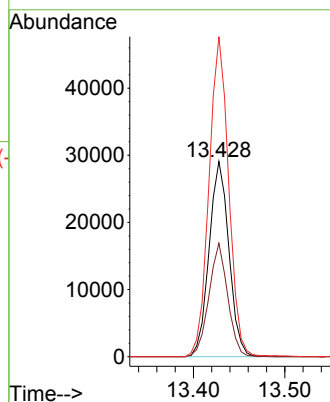
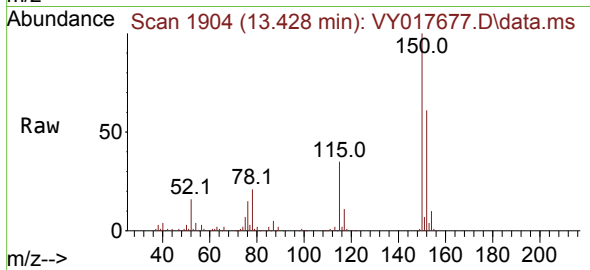




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY017677.D  
 Acq: 15 Mar 2024 16:58

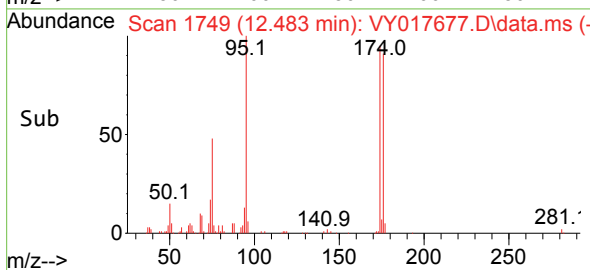
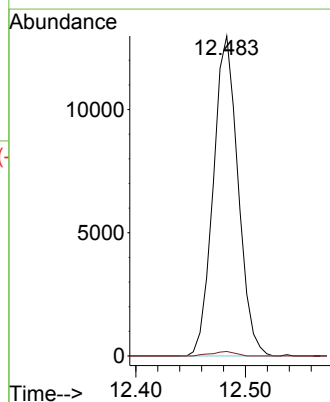
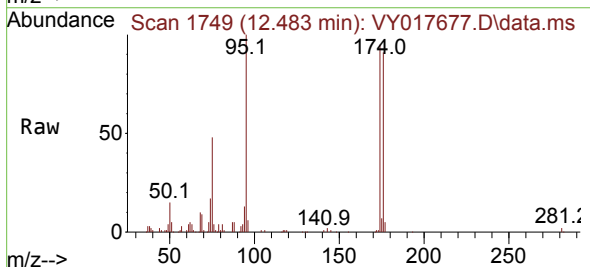
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-03-2.0-3.0RE

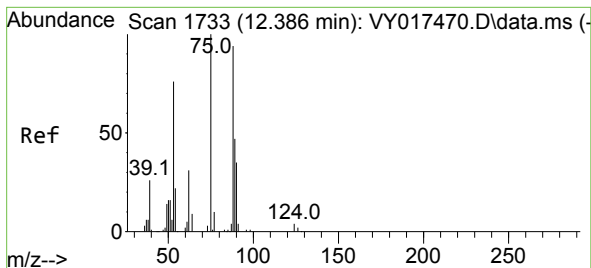
Tgt Ion:152 Resp: 43808  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.2 84.7  
 150 162.3 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 49.020 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY017677.D  
 Acq: 15 Mar 2024 16:58

Tgt Ion: 75 Resp: 20404  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

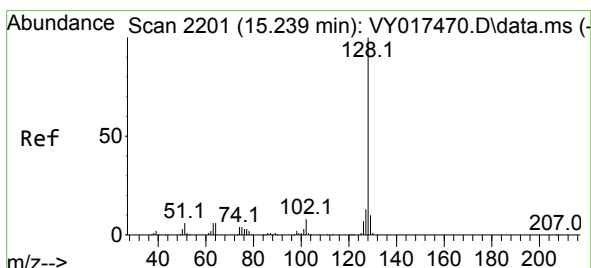
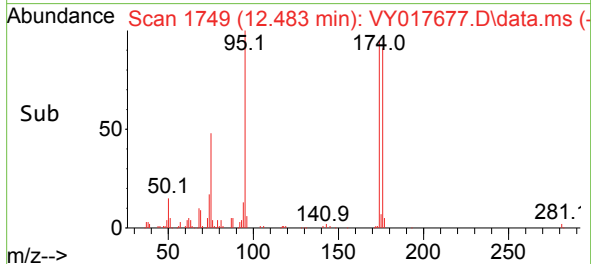
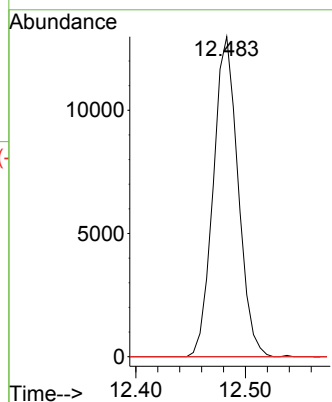
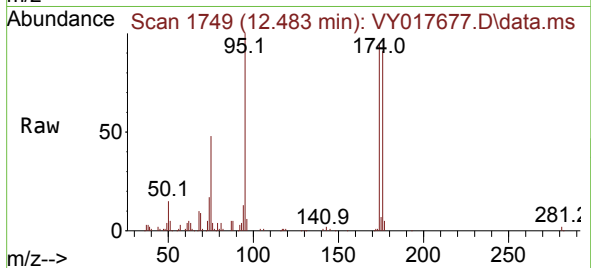




#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.636 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-2.0-3.0RE

Tgt Ion: 75 Resp: 20404  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#



#95  
Naphthalene  
Concen: 3.974 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY017677.D  
Acq: 15 Mar 2024 16:58

Tgt Ion:128 Resp: 89  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 13.0#

