

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
 Data File : VY015824.D  
 Acq On : 04 Oct 2023 13:50  
 Operator : SY/MD  
 Sample : 04703-05  
 Misc : 4.21g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E9066-OB-003

Quant Time: Oct 04 15:55:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

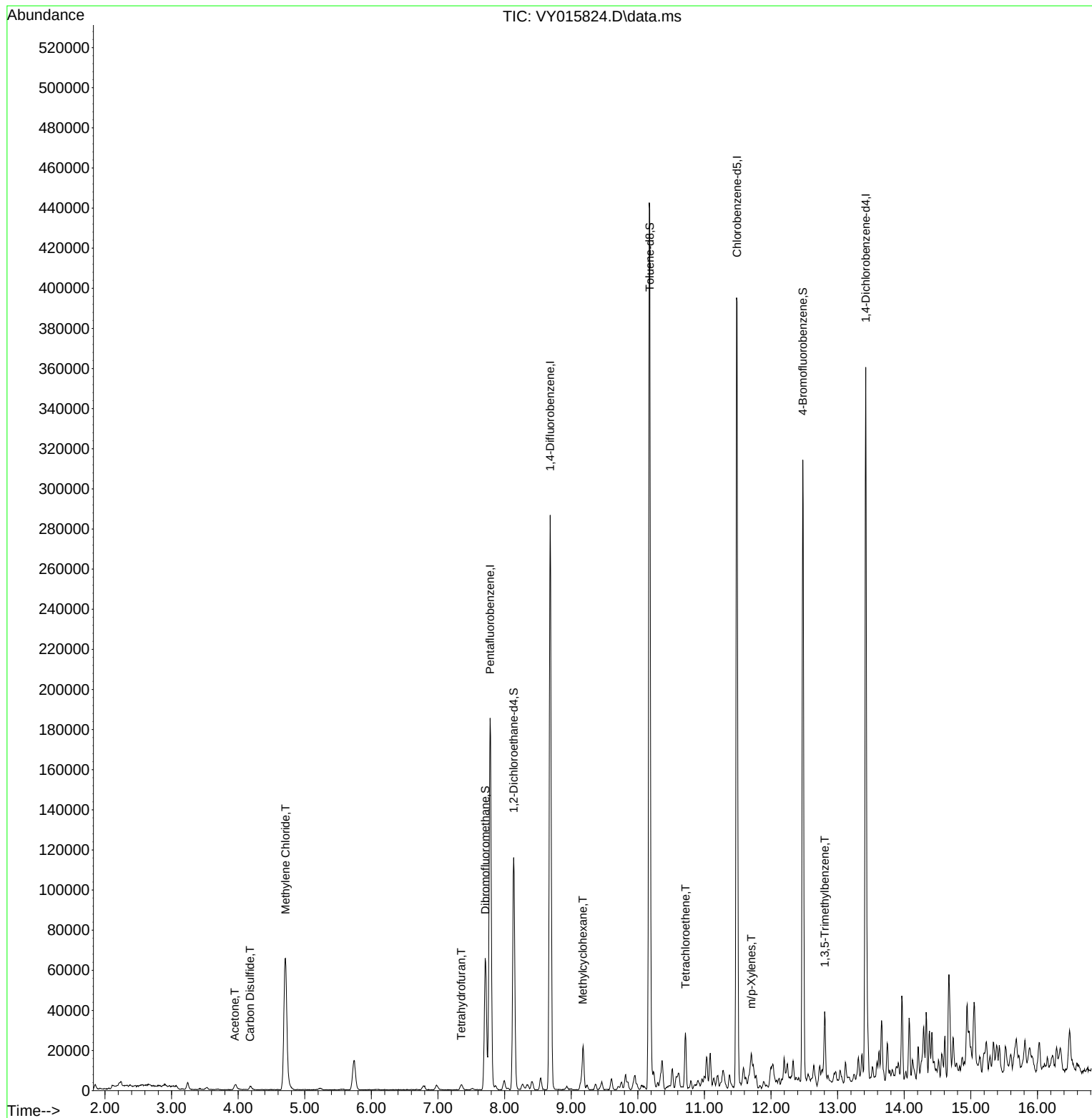
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 142389   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 245463   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 217919   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 88494    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 90961    | 58.060   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 116.120% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 46661    | 31.760   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 63.520%  |
| 50) Toluene-d8              | 10.179 | 98    | 290582   | 58.333   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 116.660% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 89814    | 45.943   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 91.880%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.948  | 43    | 5559     | 6.630    | ug/l # | 88       |
| 17) Carbon Disulfide        | 4.180  | 76    | 3558     | 1.462    | ug/l   | 96       |
| 20) Methylene Chloride      | 4.710  | 84    | 52174    | 26.102   | ug/l   | 90       |
| 29) Tetrahydrofuran         | 7.350  | 42    | 2069     | 3.089    | ug/l # | 92       |
| 39) Methylcyclohexane       | 9.173  | 83    | 8809     | 3.666    | ug/l   | 90       |
| 64) Tetrachloroethene       | 10.715 | 164   | 5337     | 2.855    | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.703 | 106   | 3458     | 1.094    | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.806 | 105   | 11420    | 2.055    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

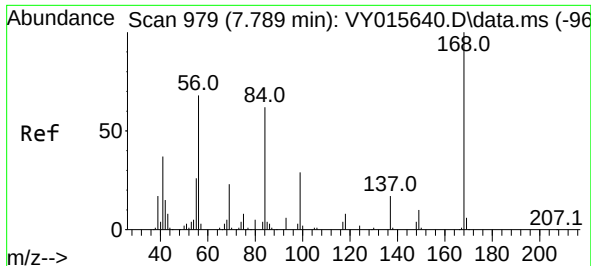
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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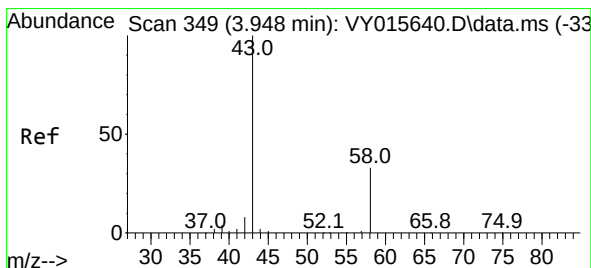
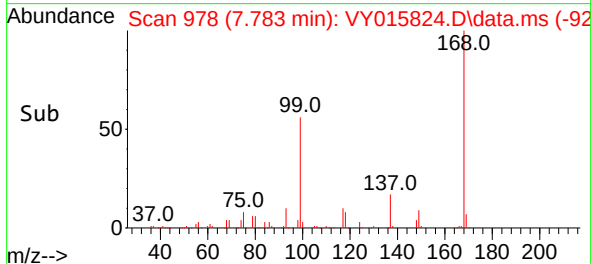
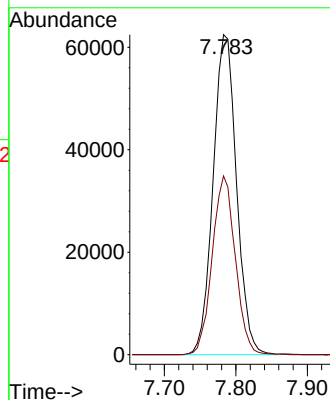
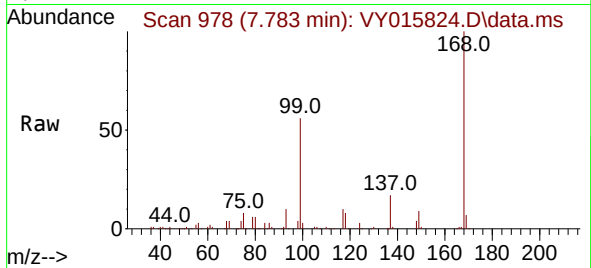




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

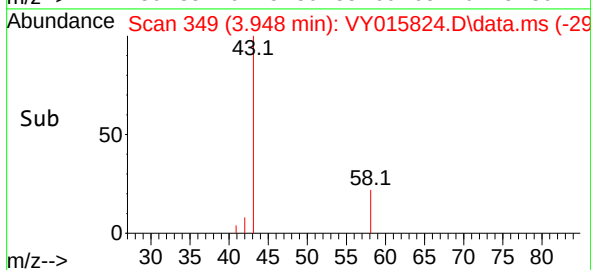
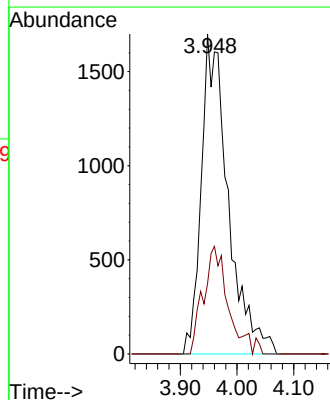
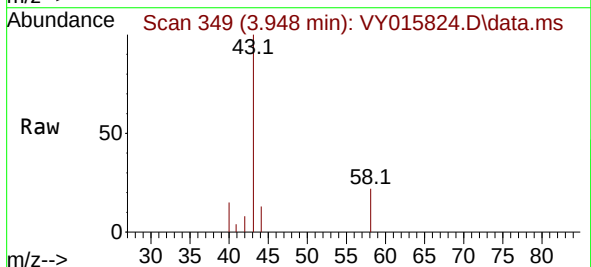
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E9066-OB-003

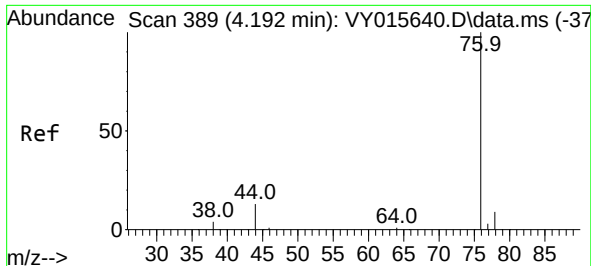
Tgt Ion:168 Resp: 142389  
Ion Ratio Lower Upper  
168 100  
99 55.8 43.4 65.0



#16  
Acetone  
Concen: 6.630 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

Tgt Ion: 43 Resp: 5559  
Ion Ratio Lower Upper  
43 100  
58 22.0 22.7 34.1#

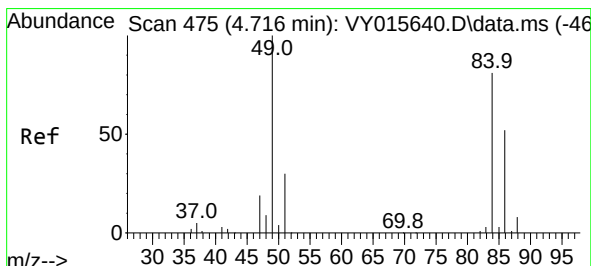
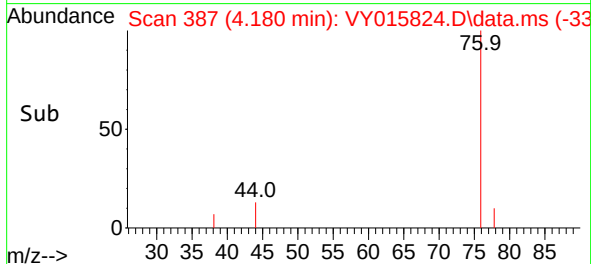
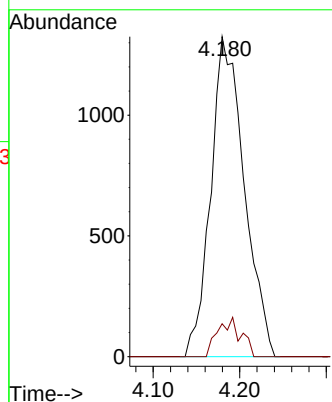
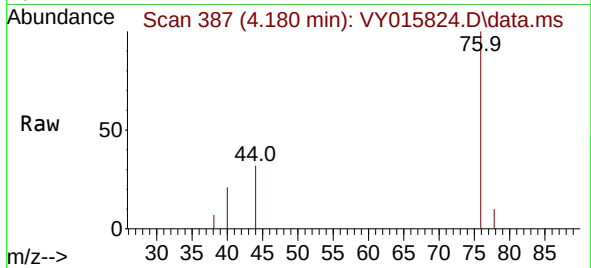




#17  
Carbon Disulfide  
Concen: 1.462 ug/l  
RT: 4.180 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

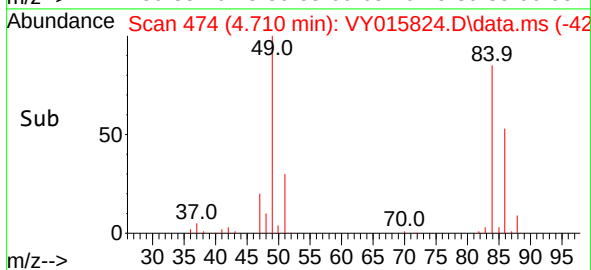
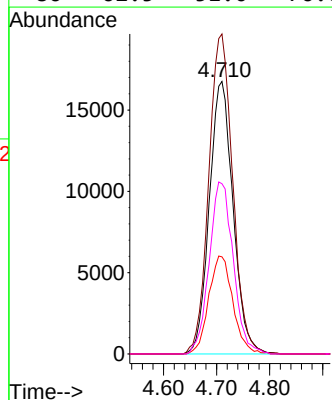
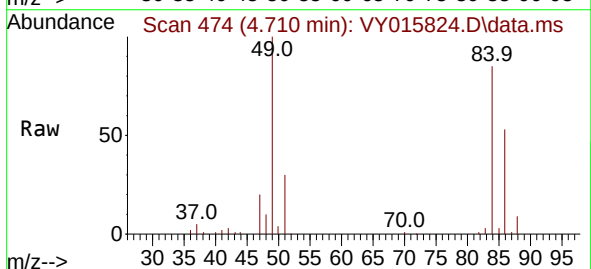
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E9066-OB-003

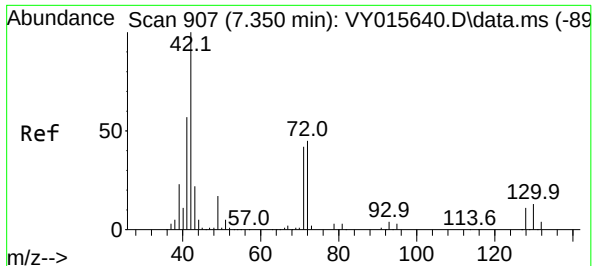
Tgt Ion: 76 Resp: 3558  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.0 10.4



#20  
Methylene Chloride  
Concen: 26.102 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

Tgt Ion: 84 Resp: 52174  
Ion Ratio Lower Upper  
84 100  
49 117.4 106.9 160.3  
51 35.7 33.2 49.8  
86 62.5 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.089 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY015824.D

Acq: 04 Oct 2023 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

E9066-OB-003

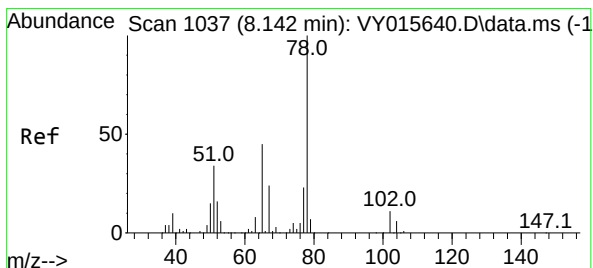
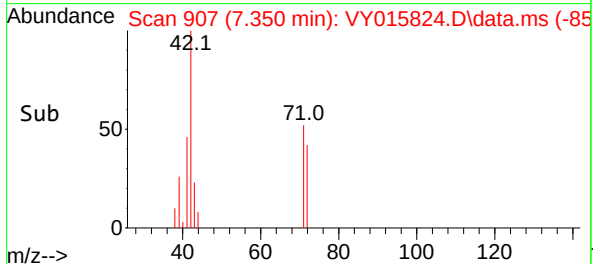
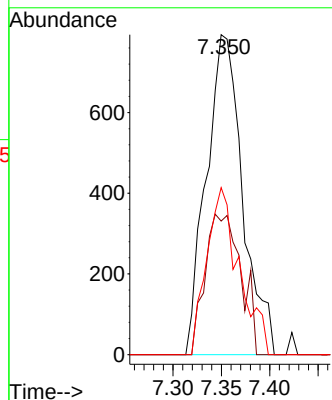
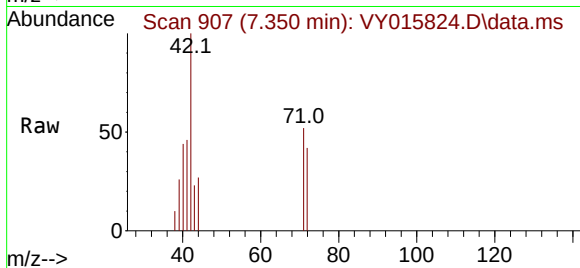
Tgt Ion: 42 Resp: 2069

Ion Ratio Lower Upper

42 100

72 43.2 32.8 49.2

71 46.7 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 58.060 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015824.D

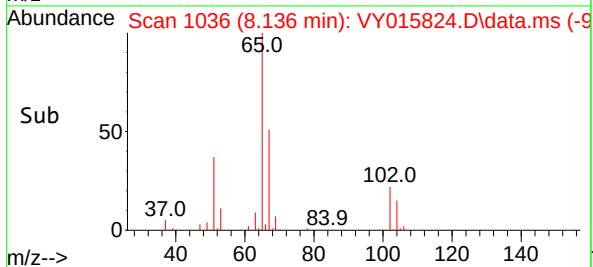
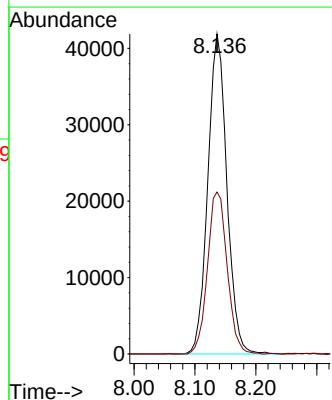
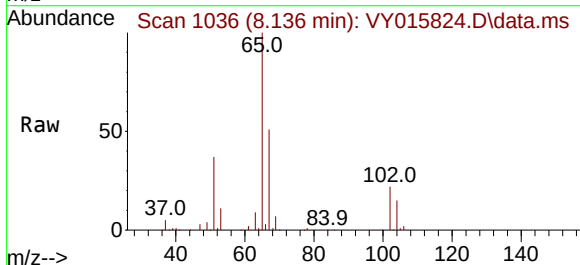
Acq: 04 Oct 2023 13:50

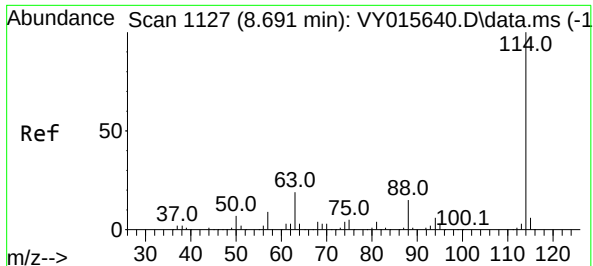
Tgt Ion: 65 Resp: 90961

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015824.D

Acq: 04 Oct 2023 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

E9066-OB-003

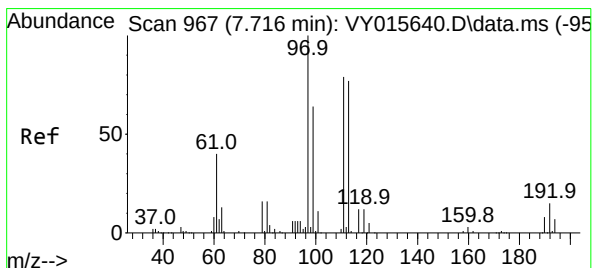
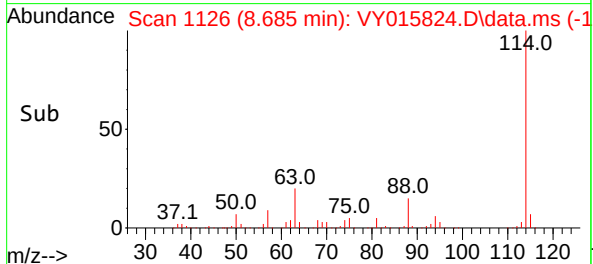
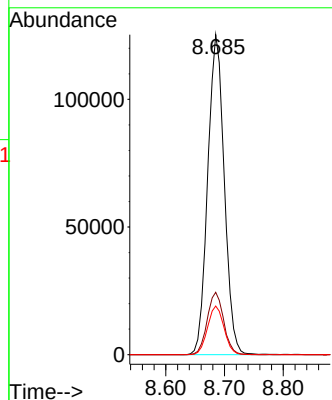
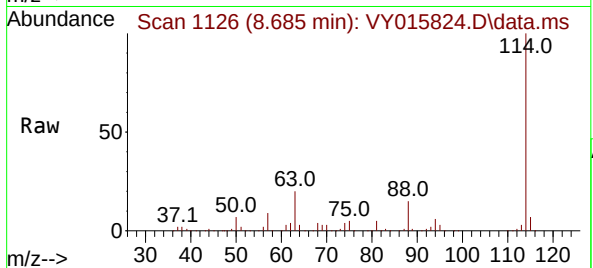
Tgt Ion:114 Resp: 245463

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 31.760 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.007 min

Lab File: VY015824.D

Acq: 04 Oct 2023 13:50

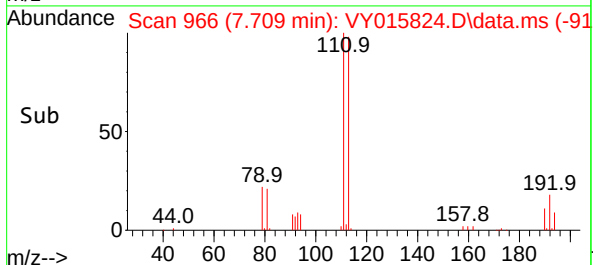
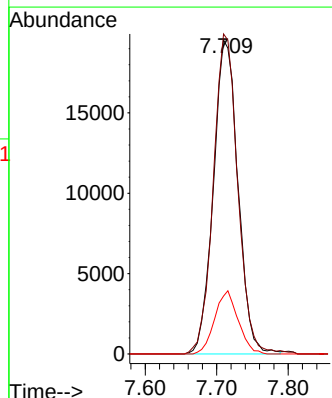
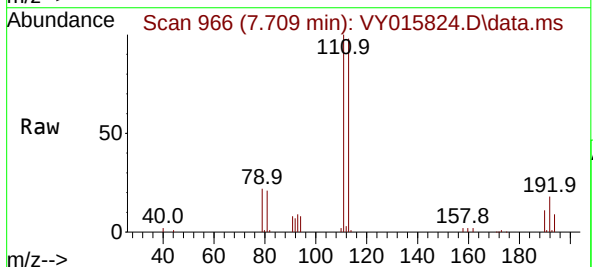
Tgt Ion:113 Resp: 46661

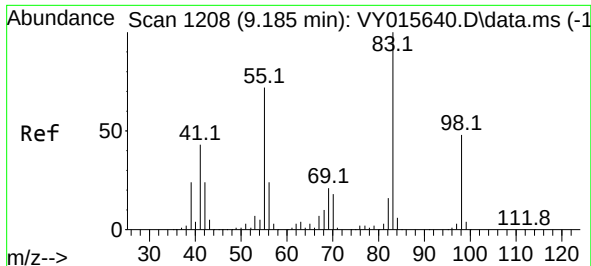
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 19.2 16.9 25.3





#39

Methylcyclohexane

Concen: 3.666 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015824.D

Acq: 04 Oct 2023 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

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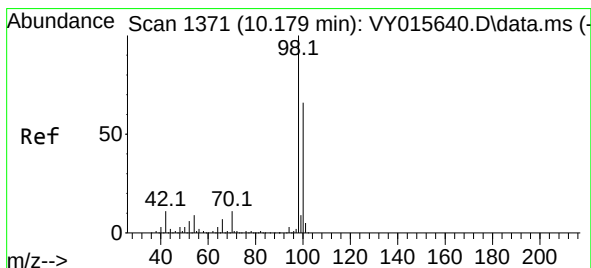
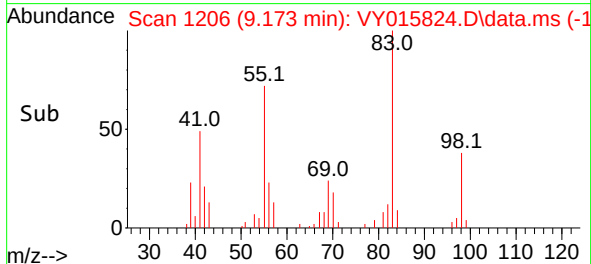
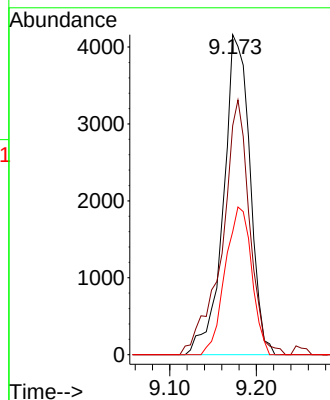
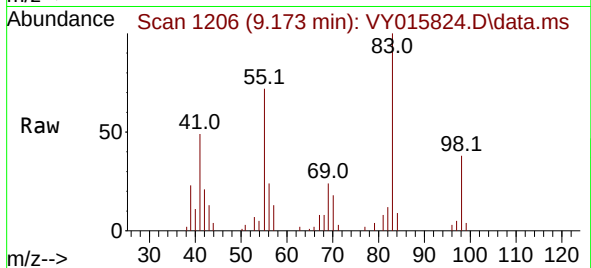
Tgt Ion: 83 Resp: 8809

Ion Ratio Lower Upper

83 100

55 71.6 63.0 94.4

98 38.4 37.4 56.2



#50

Toluene-d8

Concen: 58.333 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015824.D

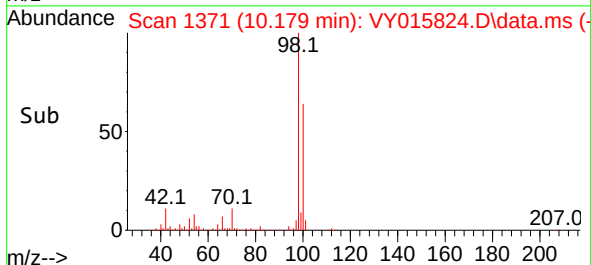
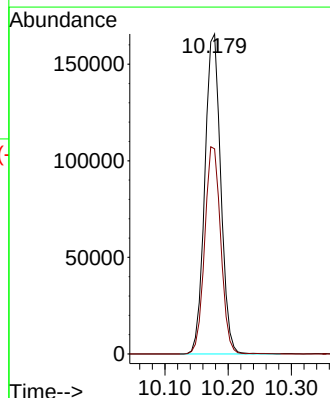
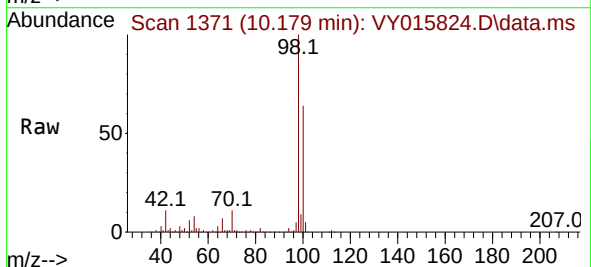
Acq: 04 Oct 2023 13:50

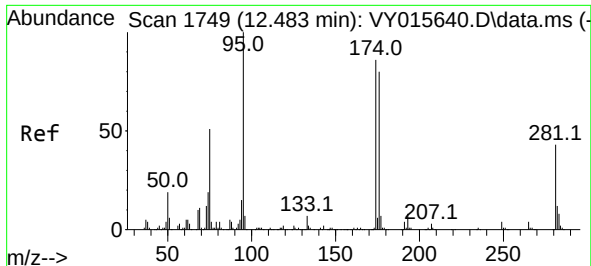
Tgt Ion: 98 Resp: 290582

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

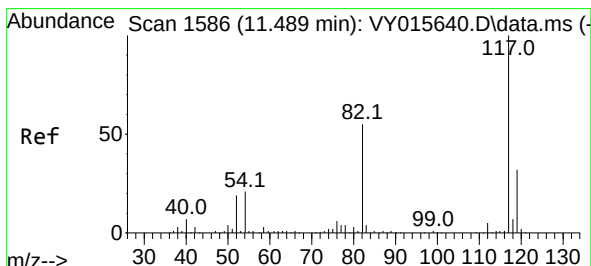
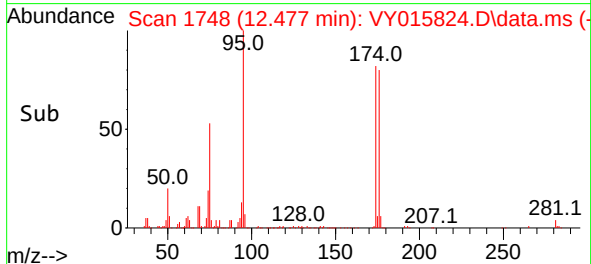
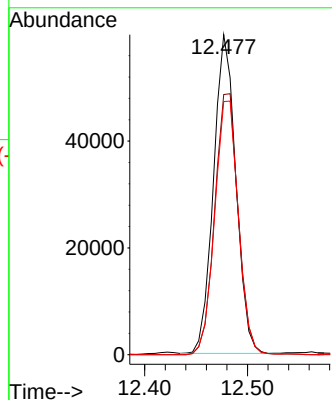
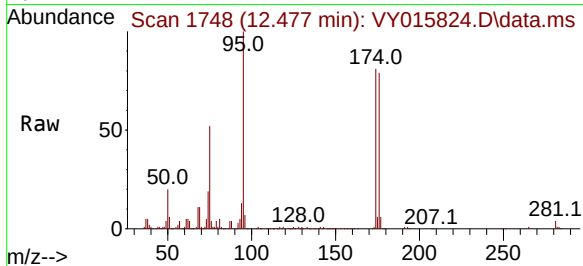




#62  
4-Bromofluorobenzene  
Concen: 45.943 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

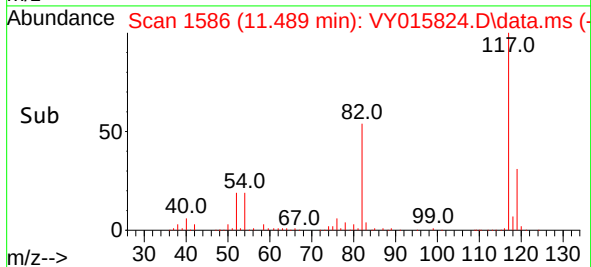
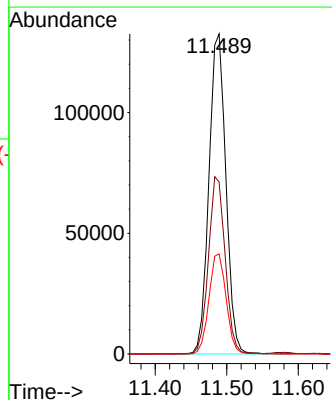
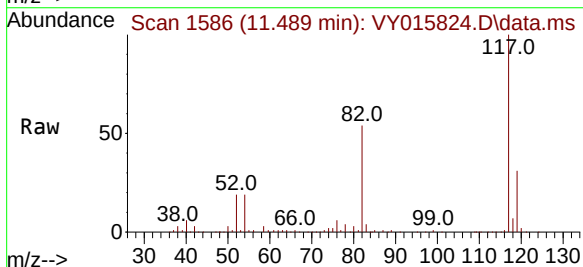
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E9066-OB-003

Tgt Ion: 95 Resp: 89814  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 178.2  
176 84.7 0.0 173.8

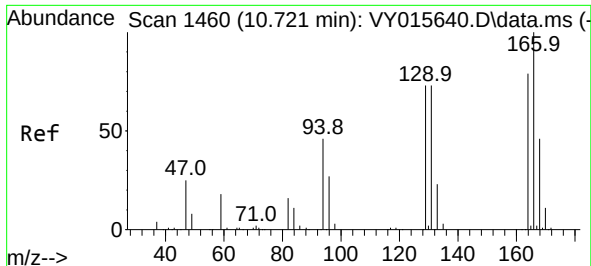


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

Tgt Ion: 117 Resp: 217919  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.4 65.0  
119 31.2 26.3 39.5



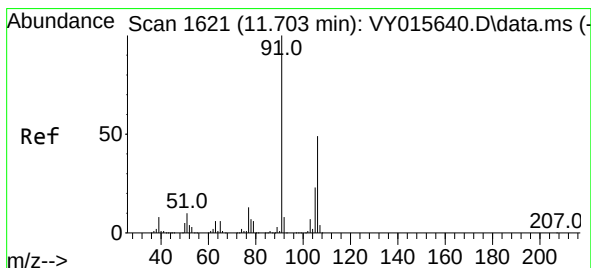
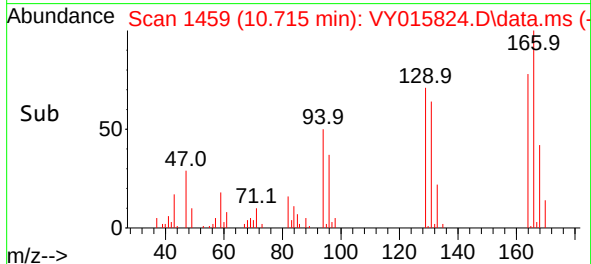
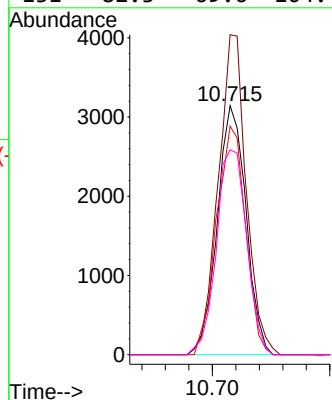
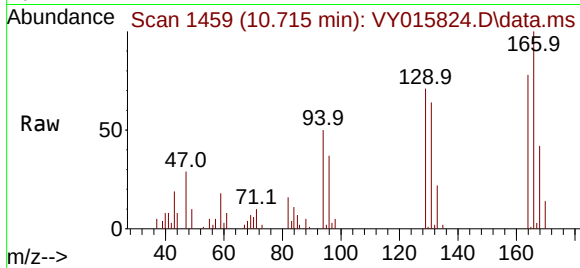




#64  
Tetrachloroethene  
Concen: 2.855 ug/l  
RT: 10.715 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

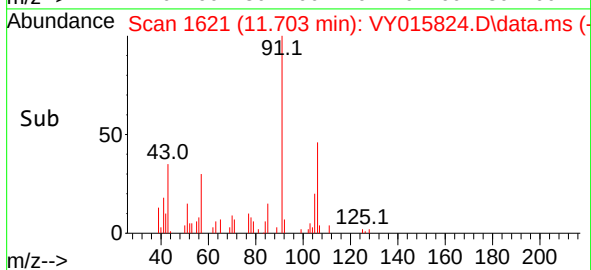
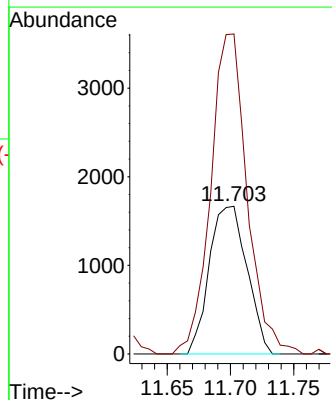
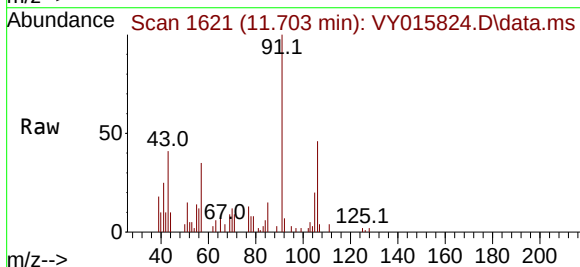
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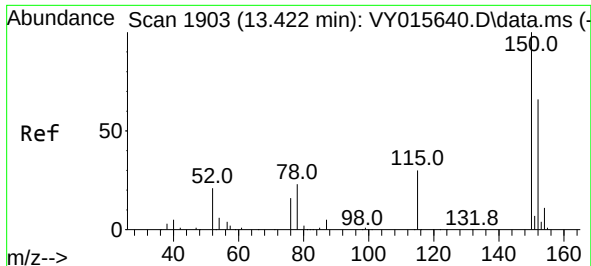
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Ion Ratio Lower Upper  
164 100  
166 128.5 103.0 154.6  
129 91.8 77.2 115.8  
131 82.3 69.6 104.4



#68  
m/p-Xylenes  
Concen: 1.094 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY015824.D  
Acq: 04 Oct 2023 13:50

Tgt Ion:106 Resp: 3458  
Ion Ratio Lower Upper  
106 100  
91 209.2 166.1 249.1

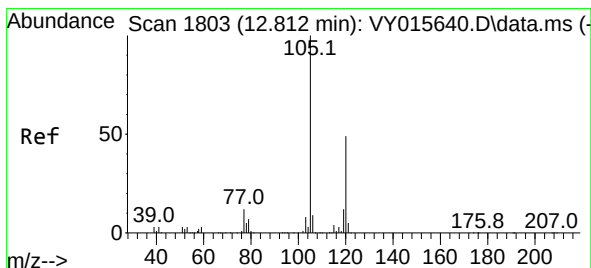
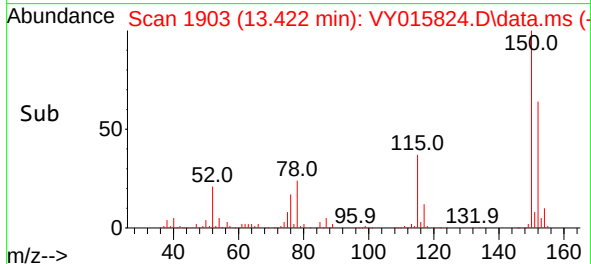
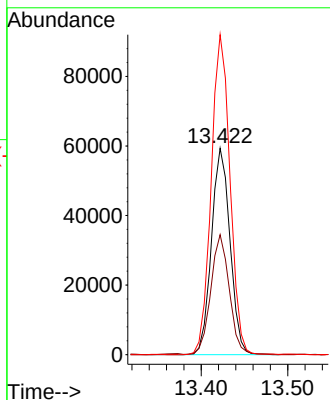
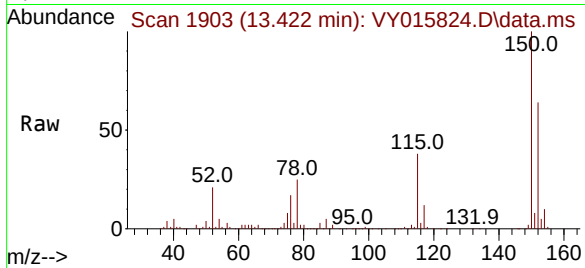




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY015824.D  
 Acq: 04 Oct 2023 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E9066-OB-003

Tgt Ion:152 Resp: 88494  
 Ion Ratio Lower Upper  
 152 100  
 115 58.0 28.8 86.5  
 150 156.5 0.0 348.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.055 ug/l  
 RT: 12.806 min Scan# 1802  
 Delta R.T. -0.006 min  
 Lab File: VY015824.D  
 Acq: 04 Oct 2023 13:50

Tgt Ion:105 Resp: 11420  
 Ion Ratio Lower Upper  
 105 100  
 120 50.4 23.9 71.7

