

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016484.D  
 Acq On : 24 Nov 2023 15:05  
 Operator : SY/MD  
 Sample : 05516-01  
 Misc : 4.25g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:46:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

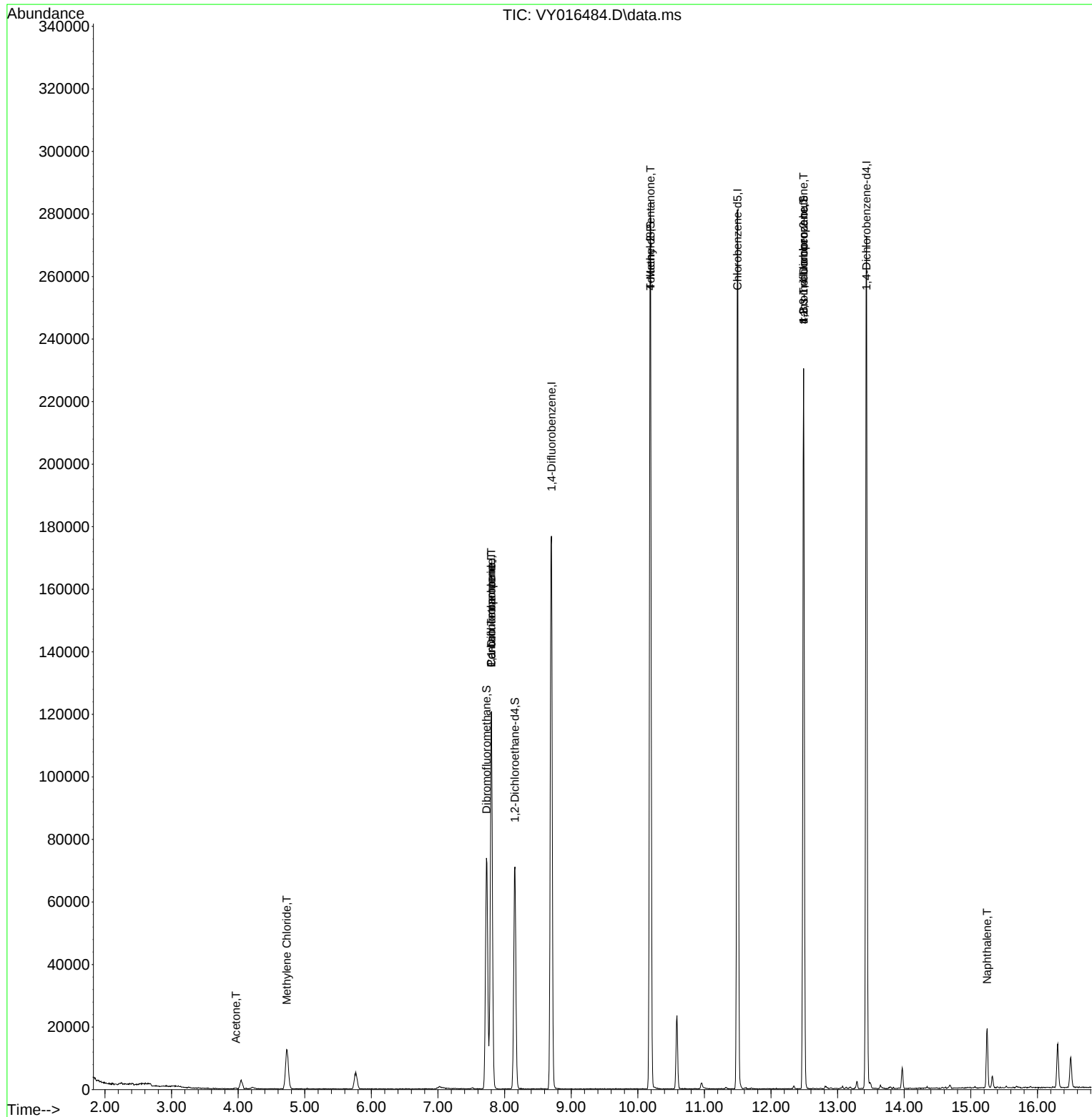
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 95838    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703     | 114   | 168431   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495    | 117   | 165033   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434    | 152   | 76250    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155     | 65    | 57242    | 65.351   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 130.700% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 54146    | 56.591   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 113.180% |          |
| 50) Toluene-d8                | 10.191    | 98    | 196350   | 50.606   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 101.220% |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 67967    | 53.935   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 107.860% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.966     | 43    | 458      | 3.161    | ug/l       | 100      |
| 20) Methylene Chloride        | 4.728     | 84    | 10658    | 7.451    | ug/l       | 88       |
| 36) 1,1-Dichloropropene       | 7.801     | 75    | 6793     | 4.089    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.801     | 117   | 9326     | 5.409    | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.191    | 43    | 691      | 1.053    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 33994    | 46.474   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 33994    | 100.876  | ug/l #     | 11       |
| 95) Naphthalene               | 15.245    | 128   | 16698    | 6.952    | ug/l       | 98       |
| -----                         |           |       |          |          |            |          |

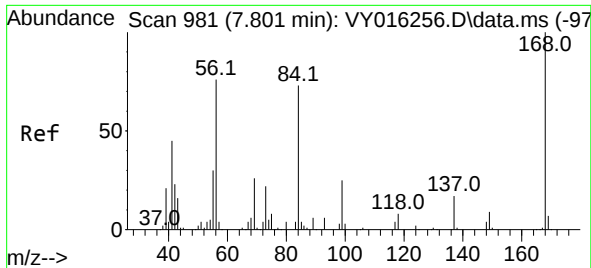
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05516-01  
Misc : 4.25g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

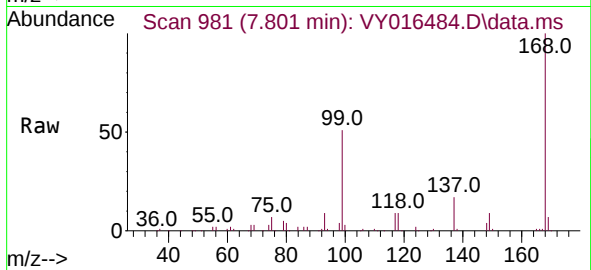
Quant Time: Nov 27 04:46:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



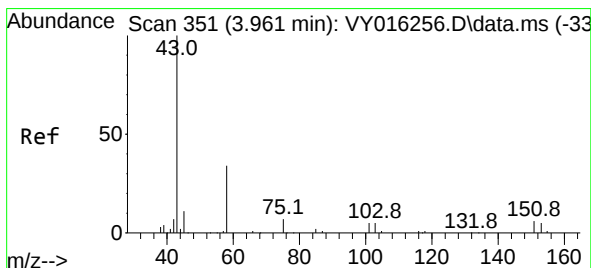
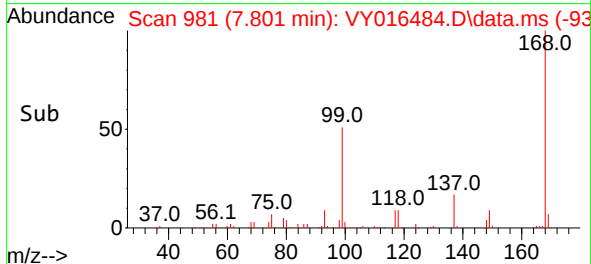
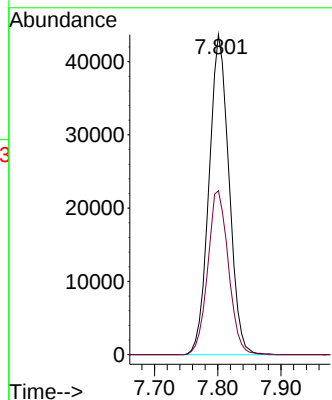


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

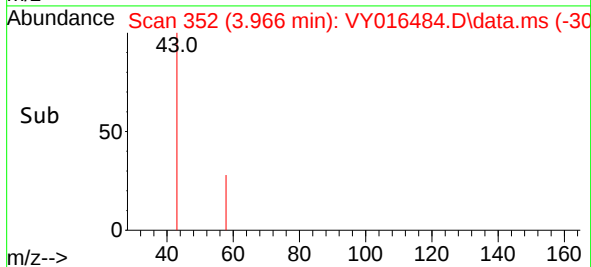
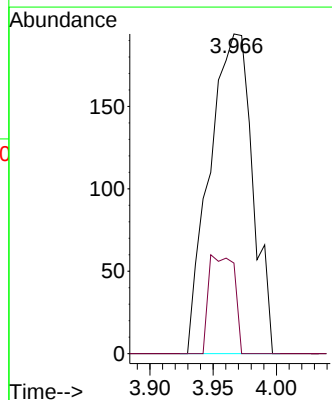
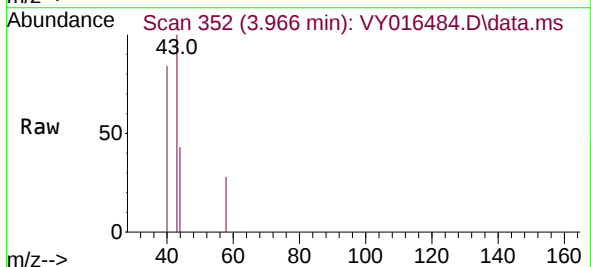


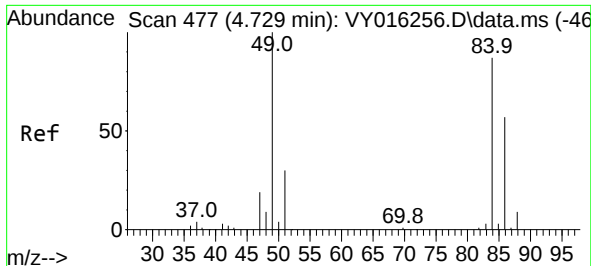
Tgt Ion:168 Resp: 95838  
Ion Ratio Lower Upper  
168 100  
99 51.3 43.4 65.0



#16  
Acetone  
Concen: 3.161 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

Tgt Ion: 43 Resp: 458  
Ion Ratio Lower Upper  
43 100  
58 28.4 22.7 34.1





#20

Methylene Chloride

Concen: 7.451 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 84 Resp: 10658

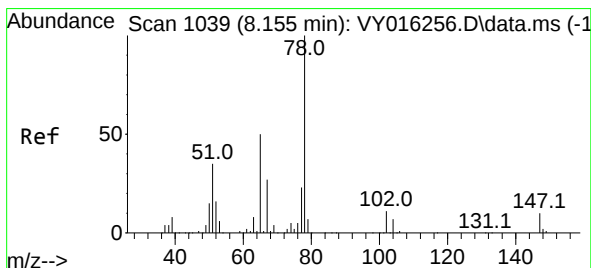
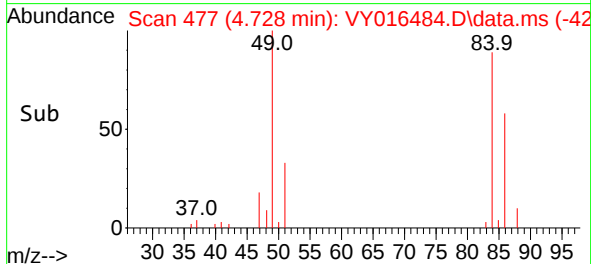
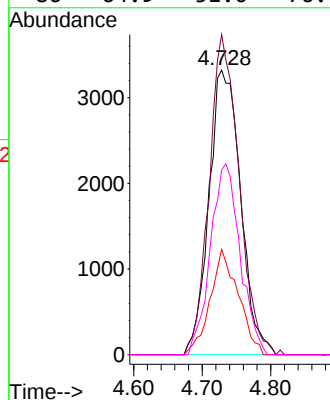
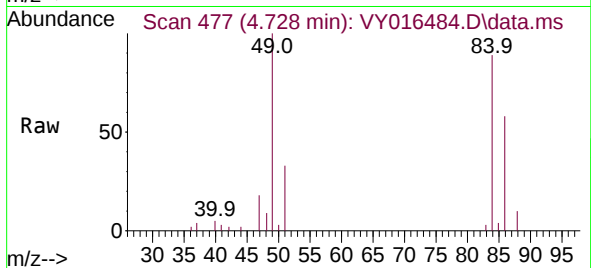
Ion Ratio Lower Upper

84 100

49 112.4 106.9 160.3

51 37.0 33.2 49.8

86 64.9 51.0 76.6



#33

1,2-Dichloroethane-d4

Concen: 65.351 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016484.D

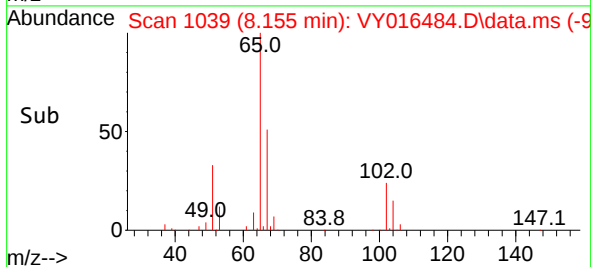
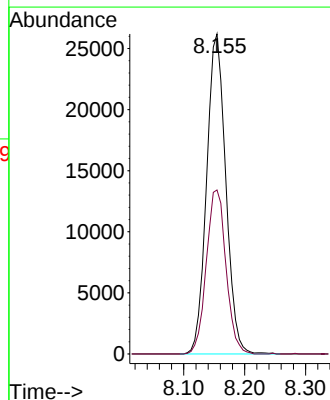
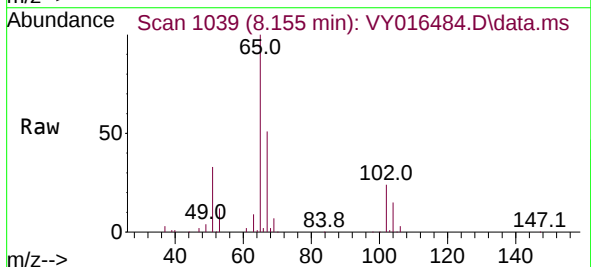
Acq: 24 Nov 2023 15:05

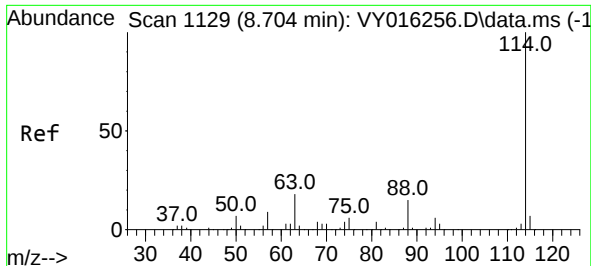
Tgt Ion: 65 Resp: 57242

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA\_Y

ClientSampleId :

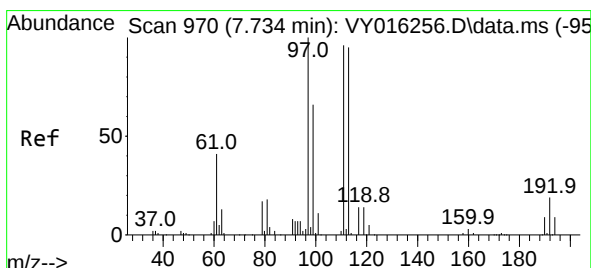
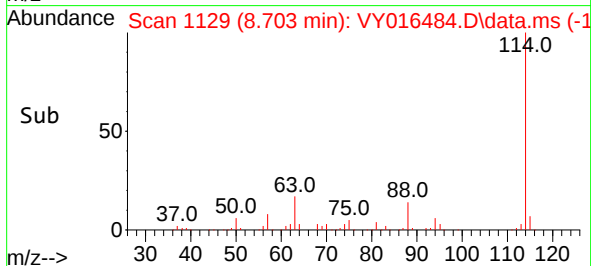
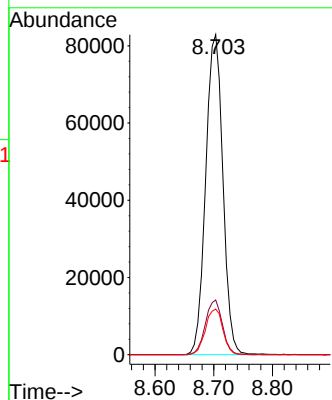
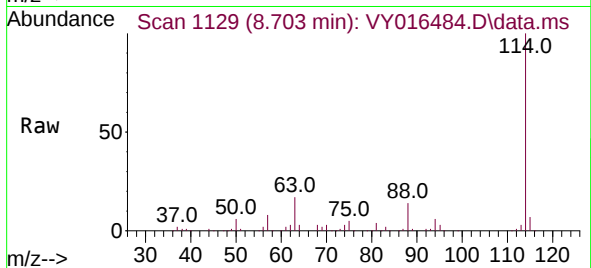
Tgt Ion:114 Resp: 168431

Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.591 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

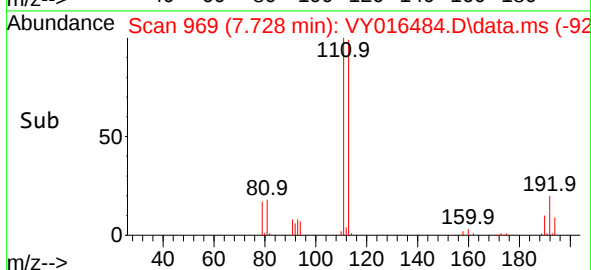
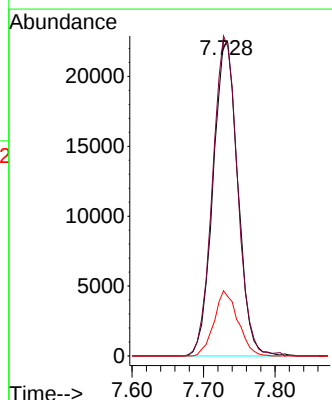
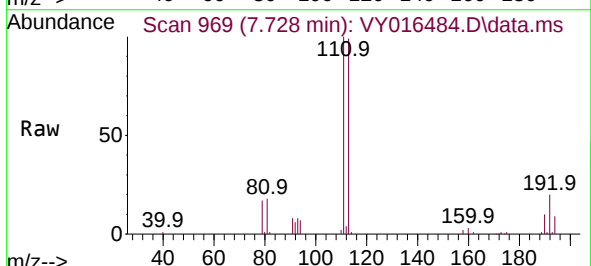
Tgt Ion:113 Resp: 54146

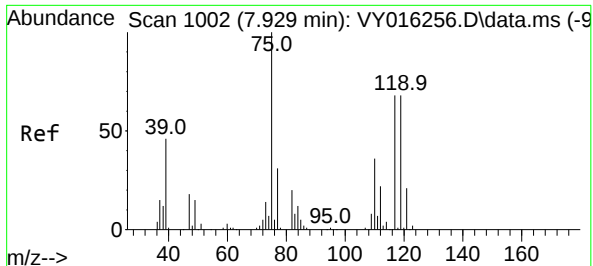
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.089 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

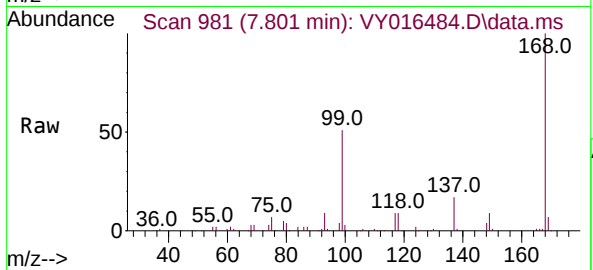
Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

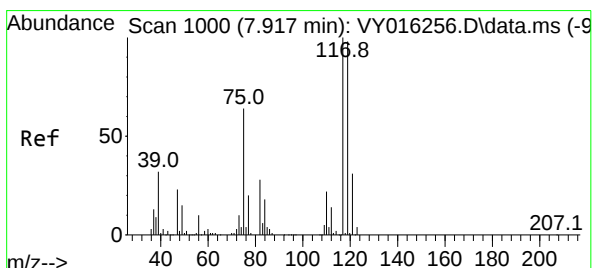
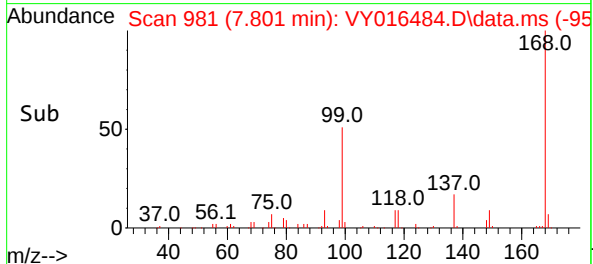
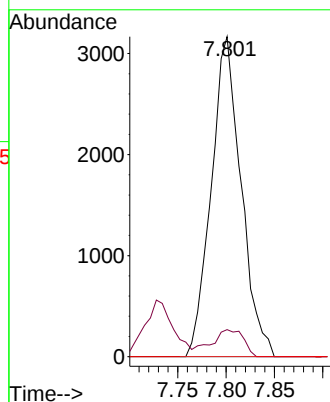
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 6793     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 8.6 17.8 53.5# |
| 77          | 0.0 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

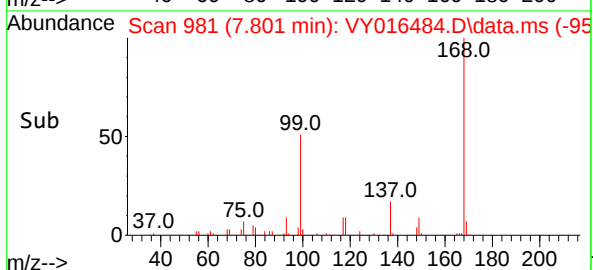
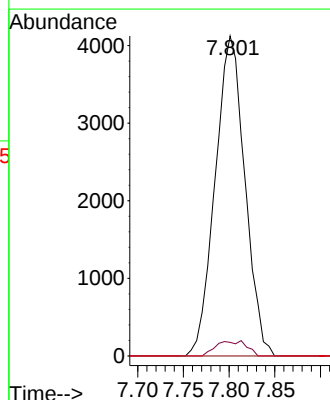
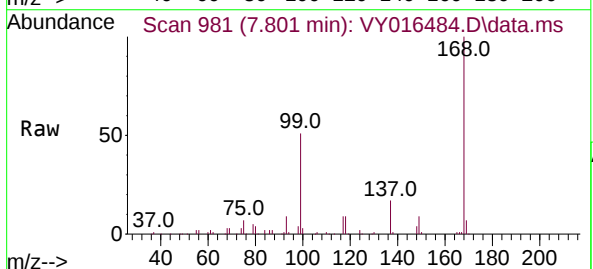
RT: 7.801 min Scan# 981

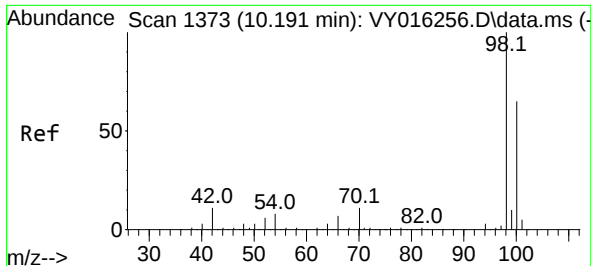
Delta R.T. -0.116 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 9326      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.2 76.4 114.6# |
| 121          | 0.0 25.8 38.6#  |





#50

Toluene-d8

Concen: 50.606 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016484.D

Acq: 24 Nov 2023 15:05

Instrument :

MSVOA\_Y

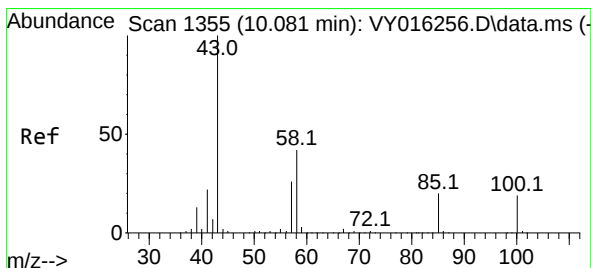
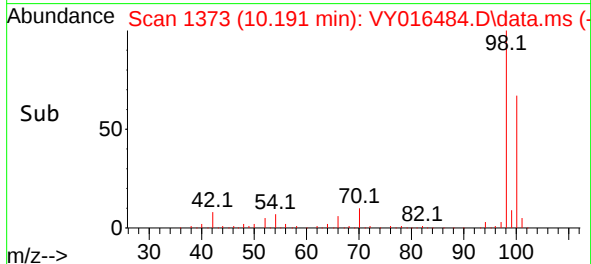
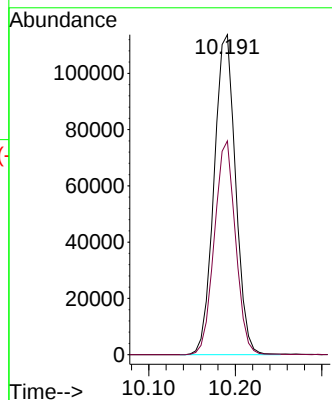
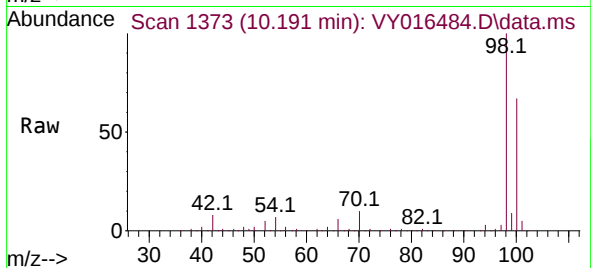
ClientSampleId :

Tgt Ion: 98 Resp: 196350

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.053 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.109 min

Lab File: VY016484.D

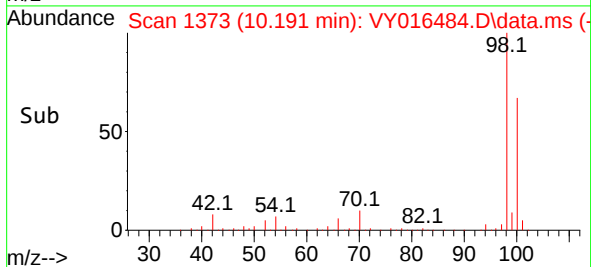
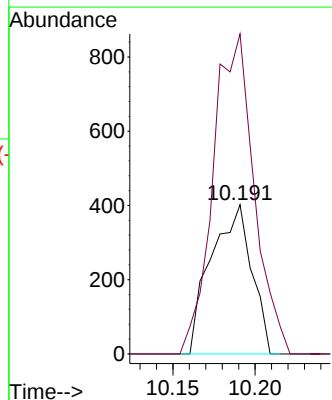
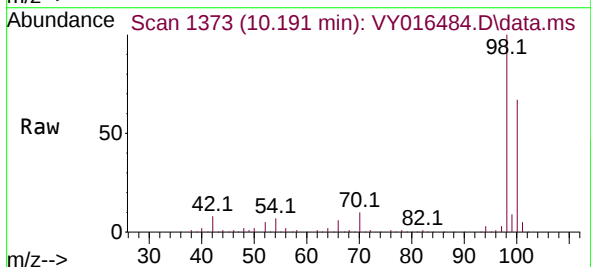
Acq: 24 Nov 2023 15:05

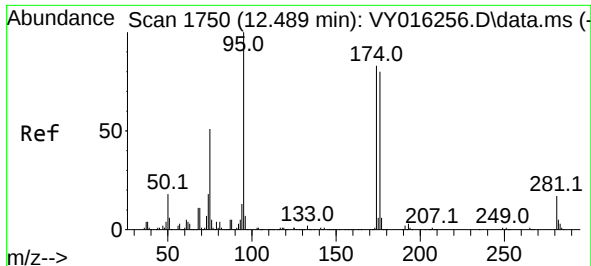
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 215.9 29.0 43.6#

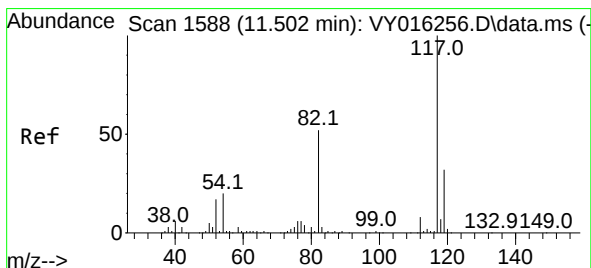
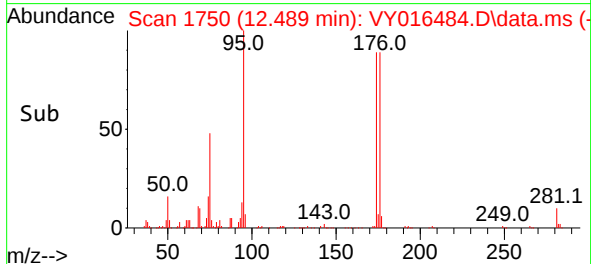
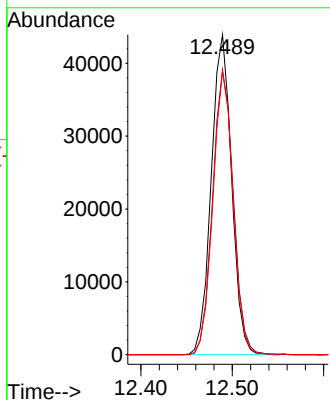
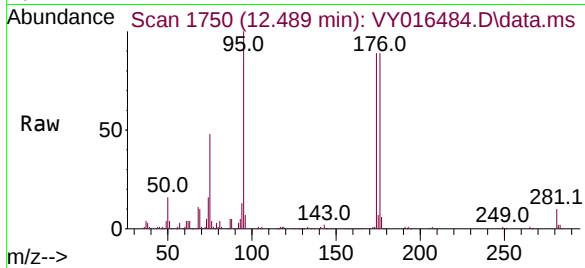




#62  
4-Bromofluorobenzene  
Concen: 53.935 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

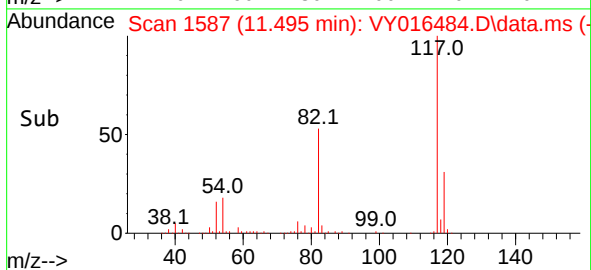
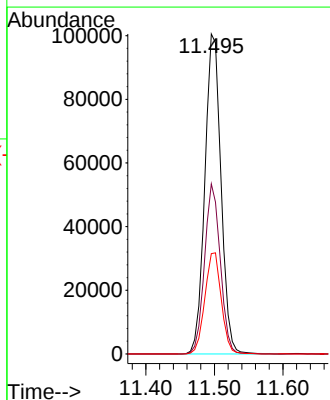
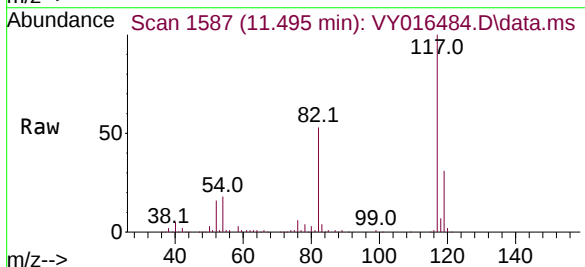
Instrument :  
MSVOA\_Y  
ClientSampleId :

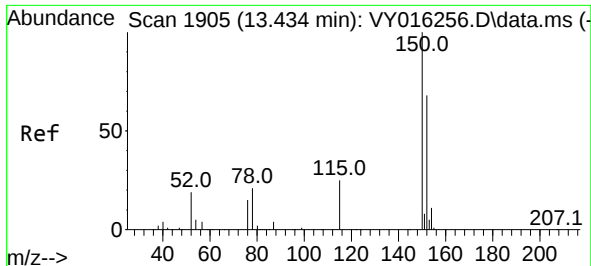
Tgt Ion: 95 Resp: 67967  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 178.2  
176 88.0 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

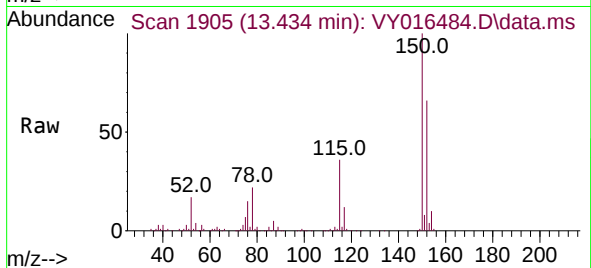
Tgt Ion: 117 Resp: 165033  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.4 65.0  
119 31.4 26.3 39.5



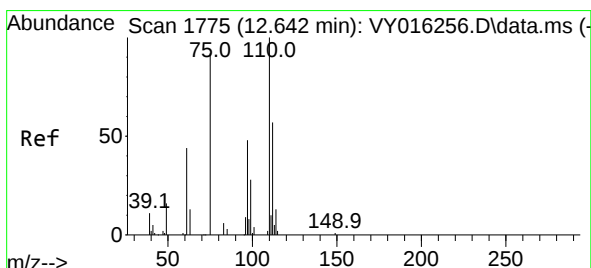
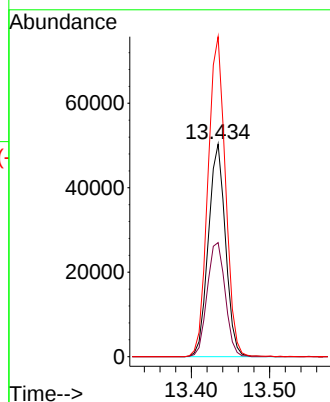
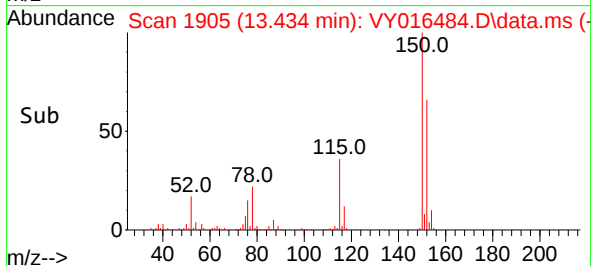


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

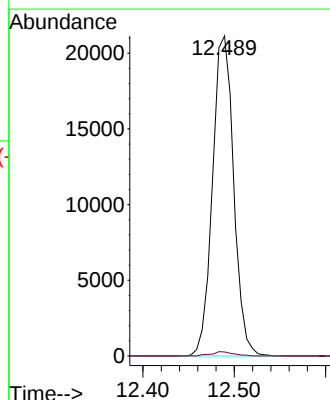
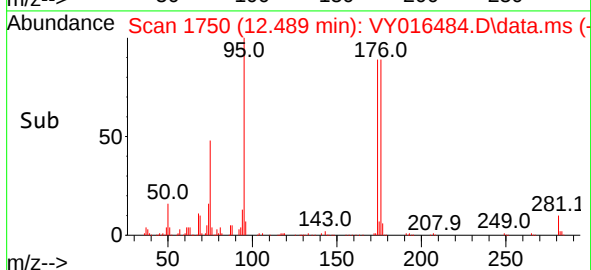
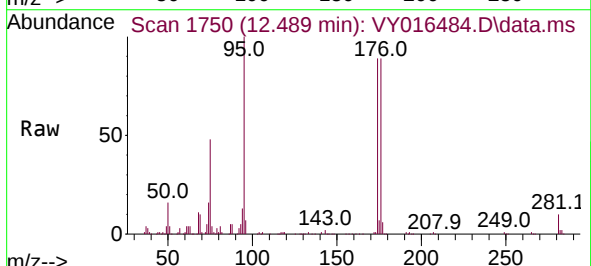


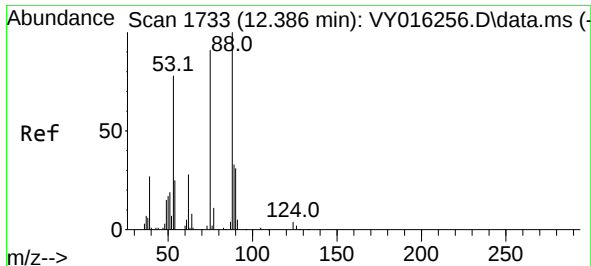
Tgt Ion:152 Resp: 76250  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.8 86.5  
150 153.9 0.0 348.8



#76  
1,2,3-Trichloropropane  
Concen: 46.474 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.153 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

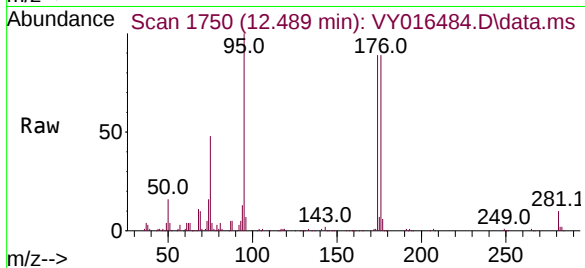
Tgt Ion: 75 Resp: 33994  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



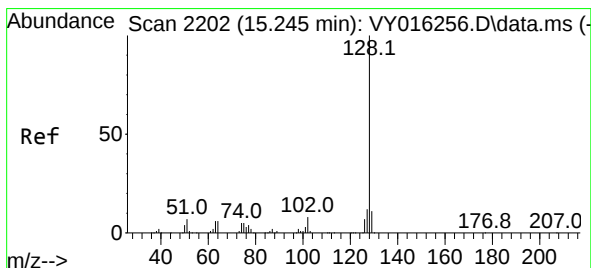
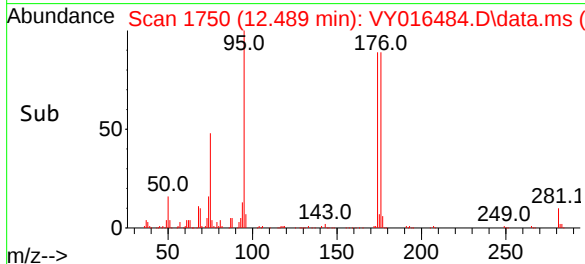
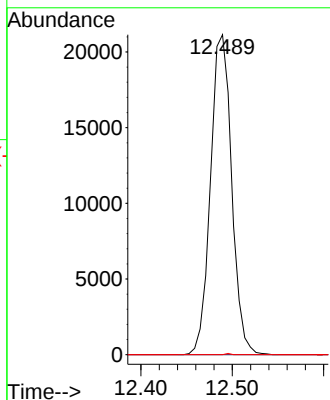


#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.876 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.103 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 33994  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.1 37.4 56.0#



#95  
Naphthalene  
Concen: 6.952 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. -0.000 min  
Lab File: VY016484.D  
Acq: 24 Nov 2023 15:05

Tgt Ion: 128 Resp: 16698  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.8 16.2  
129 11.9 8.6 13.0

