

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
 Data File : VY004882.D  
 Acq On : 26 May 2021 13:31  
 Operator : SY/MD  
 Sample : M2519-01  
 Misc : 4.33G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 26878

Quant Time: May 27 01:15:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 2021  
 Response via : Initial Calibration

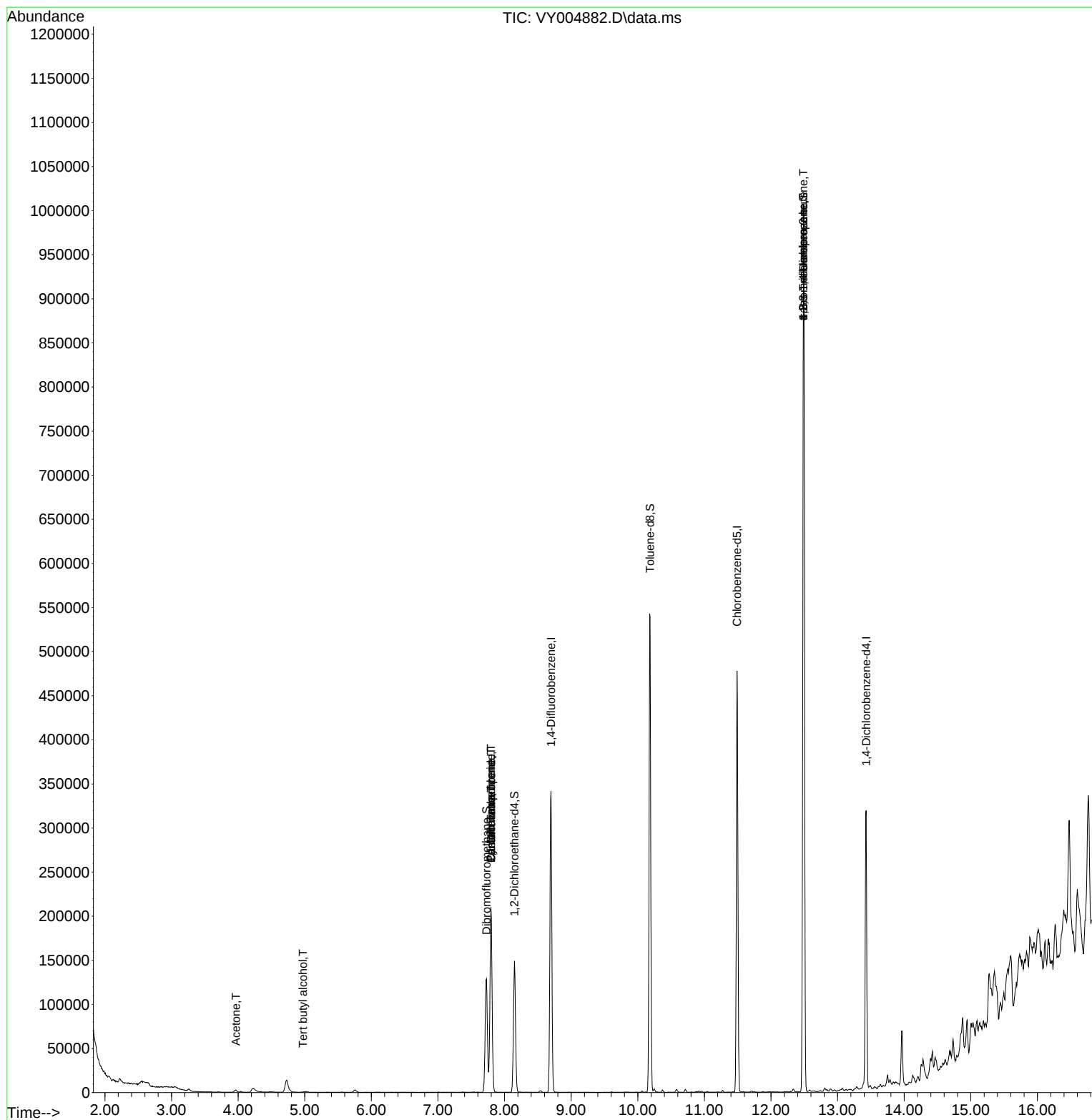
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 153281             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 280982             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 245674             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 76625              | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 109407             | 59.96     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 119.92% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 90957              | 59.13     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 118.26% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 341166             | 49.10     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 98.20%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 99288              | 42.34     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 84.68%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 11) Tert butyl alcohol        | 4.972          | 59   | 899                | 4.90      | ug/l # | 71       |
| 16) Acetone                   | 3.967          | 43   | 4344               | 10.60     | ug/l   | 98       |
| 20) Methylene Chloride        | 4.735          | 84   | 9699               | Below Cal |        | 91       |
| 31) Cyclohexane               | 7.795          | 56   | 3598               | 1.22      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 13099              | 4.55      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 16127              | 6.23      | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 60793              | 74.70     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 60793              | 129.52    | ug/l # | 15       |
| -----                         |                |      |                    |           |        |          |

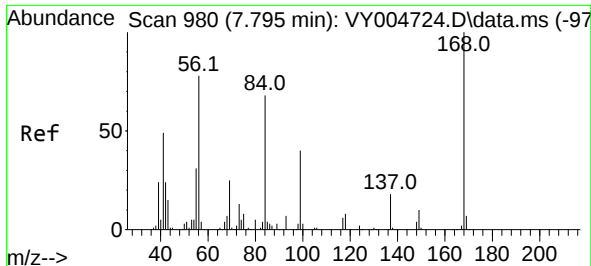
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Quant Time: May 27 01:15:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 11 04:13:44 2021  
Response via : Initial Calibration

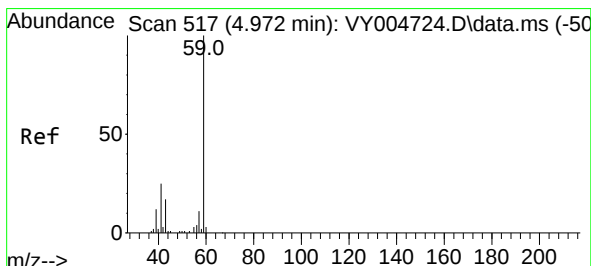
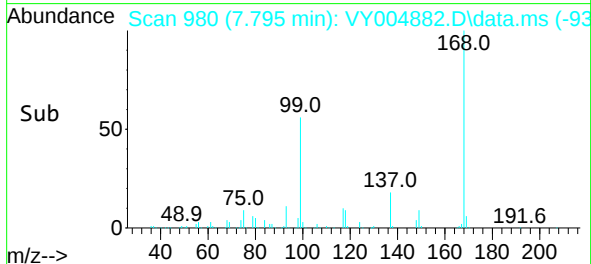
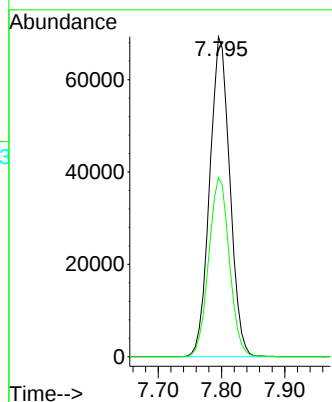
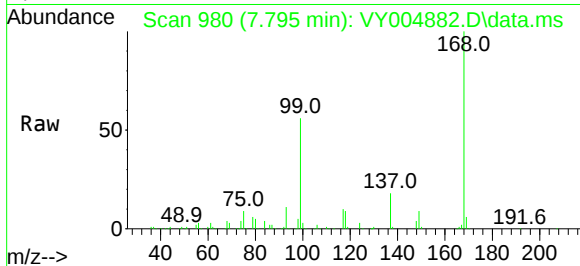




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

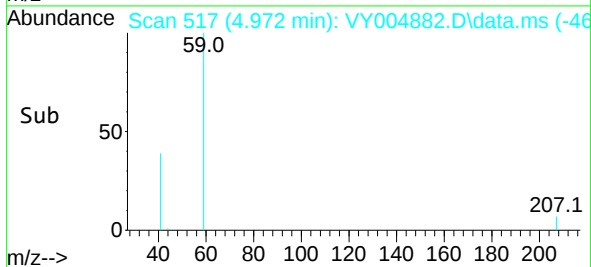
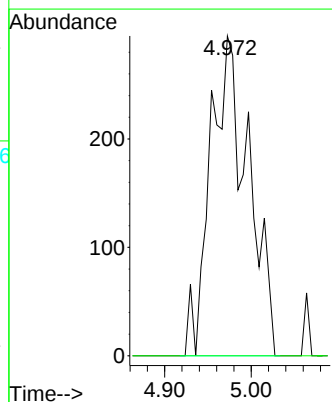
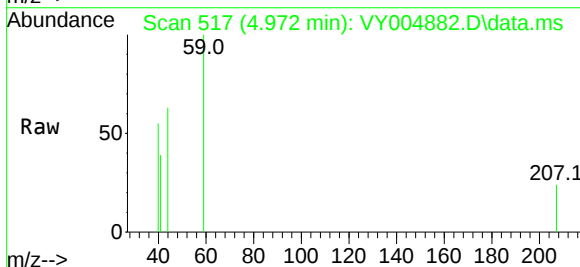
Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

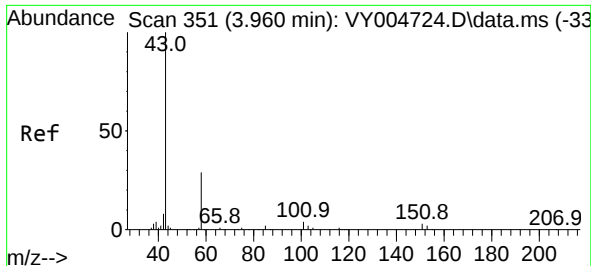
Tgt Ion:168 Resp: 153281  
Ion Ratio Lower Upper  
168 100  
99 56.0 45.6 68.4



#11  
Tert butyl alcohol  
Concen: 4.90 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

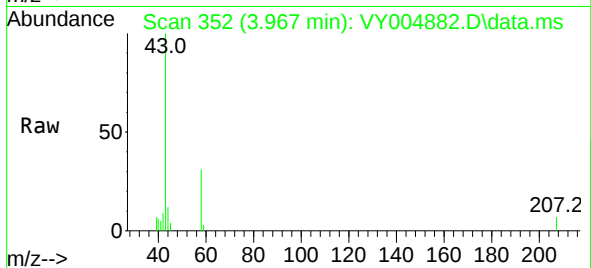
Tgt Ion: 59 Resp: 899  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#



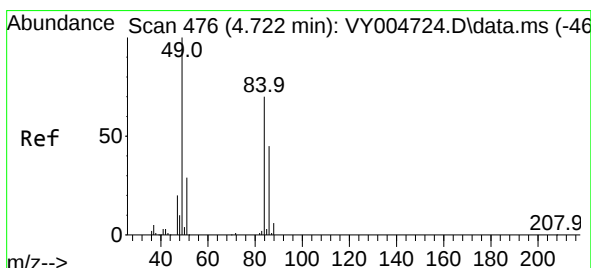
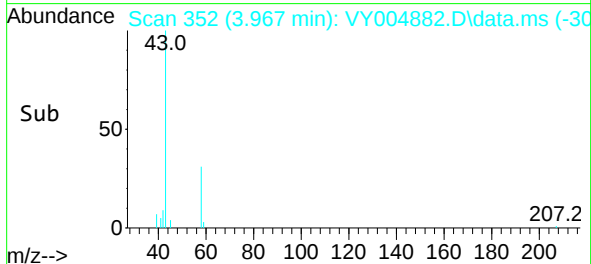
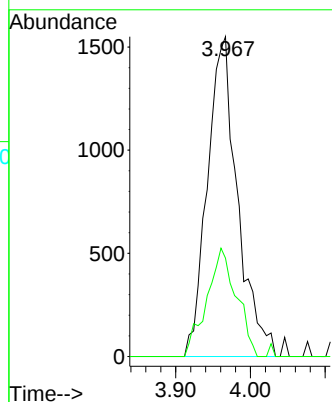


#16  
Acetone  
Concen: 10.60 ug/l  
RT: 3.967 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

Instrument :  
MSVOA\_Y  
ClientSampled :  
26878

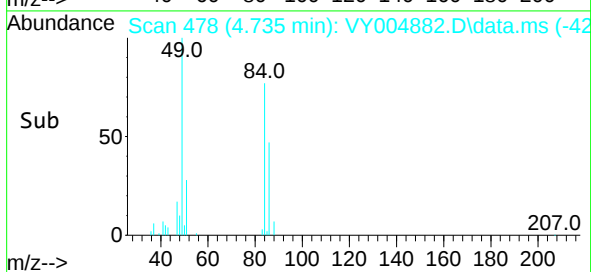
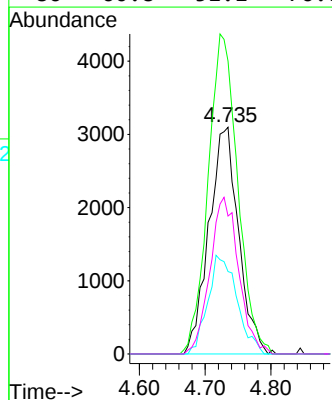
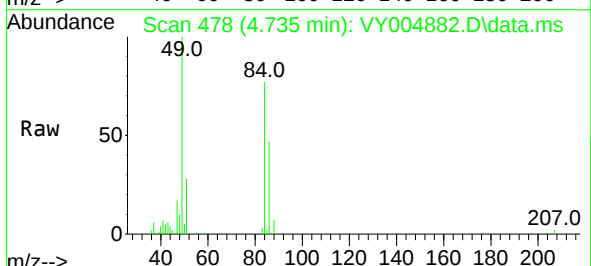


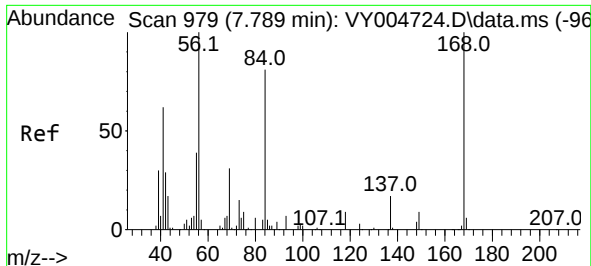
Tgt Ion: 43 Resp: 4344  
Ion Ratio Lower Upper  
43 100  
58 30.8 23.6 35.4



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.735 min Scan# 478  
Delta R.T. 0.013 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

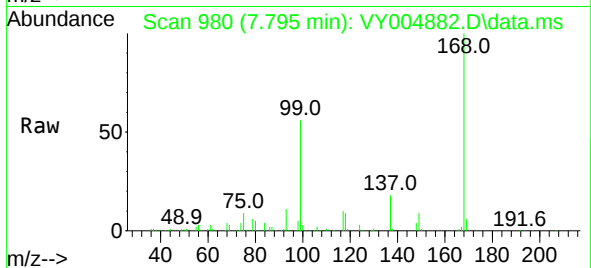
Tgt Ion: 84 Resp: 9699  
Ion Ratio Lower Upper  
84 100  
49 129.2 113.8 170.8  
51 36.4 33.5 50.3  
86 60.8 51.1 76.7



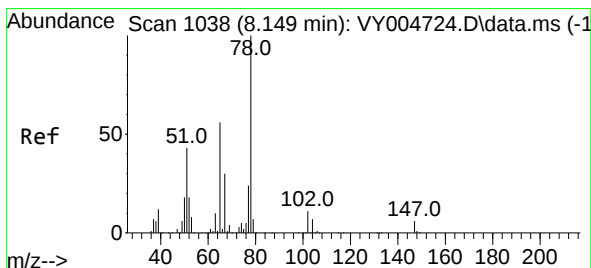
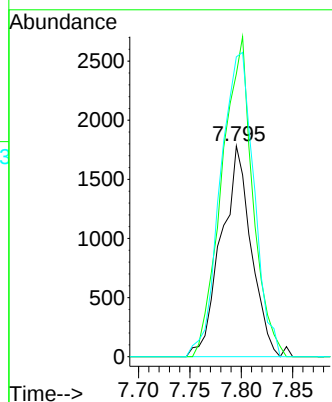
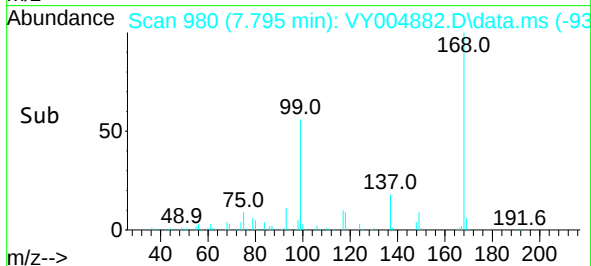


#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

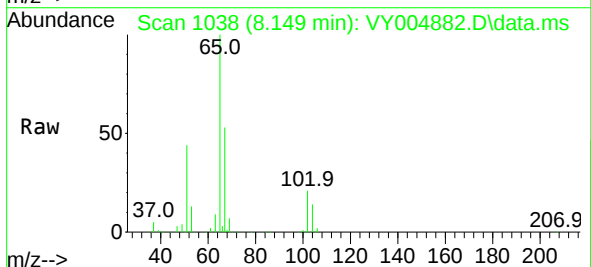
Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878



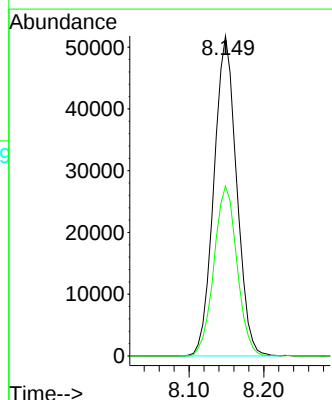
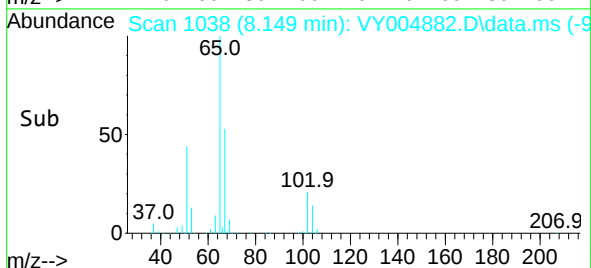
Tgt Ion: 56 Resp: 3598  
Ion Ratio Lower Upper  
56 100  
69 134.3 24.4 36.6#  
84 142.3 64.8 97.2#

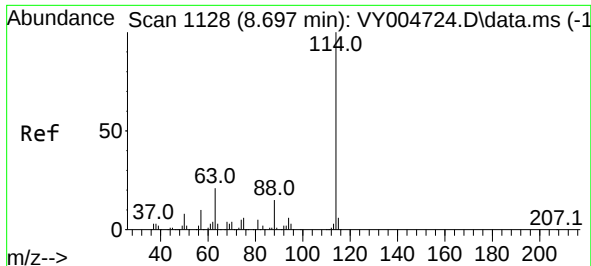


#33  
1,2-Dichloroethane-d4  
Concen: 59.96 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31



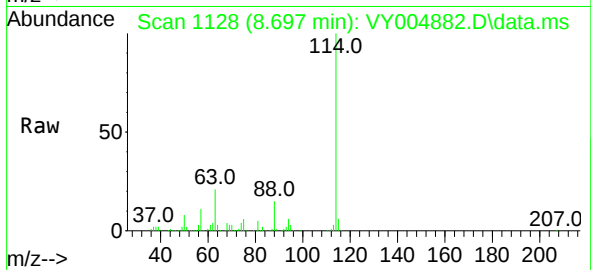
Tgt Ion: 65 Resp: 109407  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 108.0



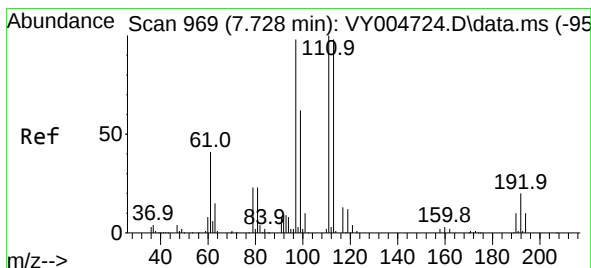
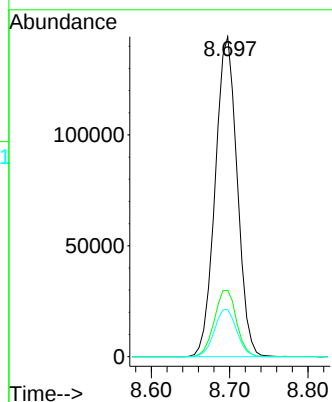
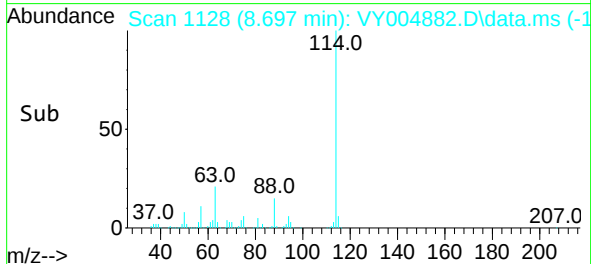


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

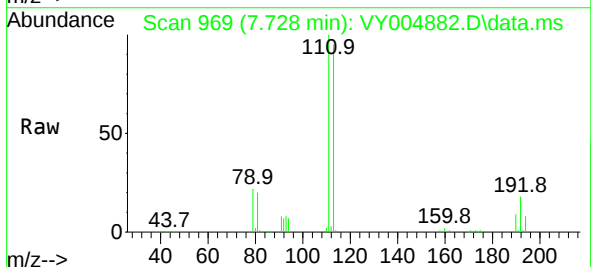
Instrument :  
MSVOA\_Y  
ClientSampled :  
26878



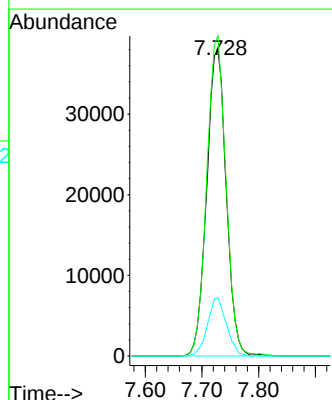
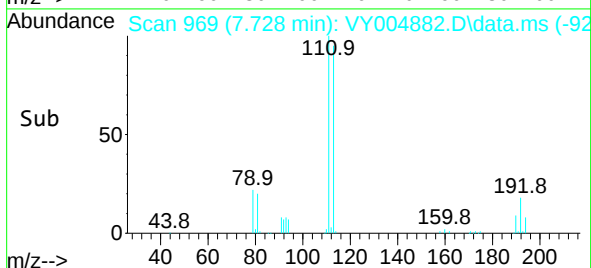
Tgt Ion:114 Resp: 280982  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 42.8  
88 14.7 0.0 31.0

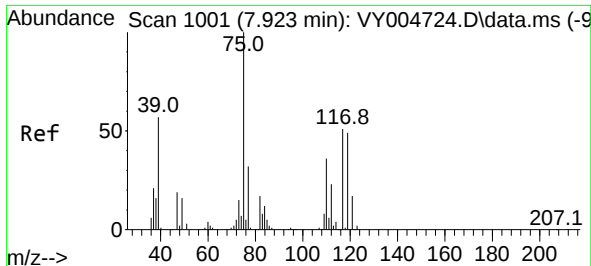


#35  
Dibromofluoromethane  
Concen: 59.13 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31



Tgt Ion:113 Resp: 90957  
Ion Ratio Lower Upper  
113 100  
111 102.8 80.5 120.7  
192 18.5 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.55 ug/l

RT: 7.795 min Scan# 980

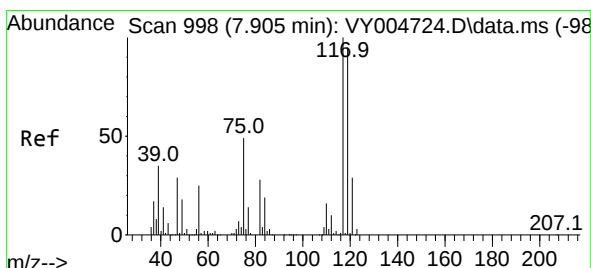
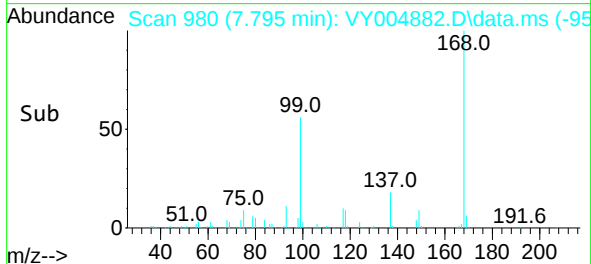
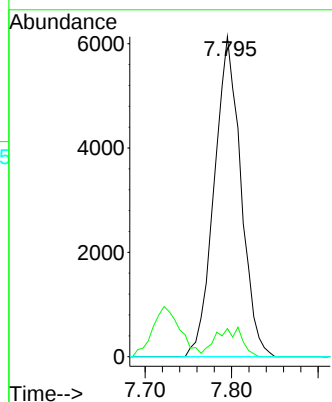
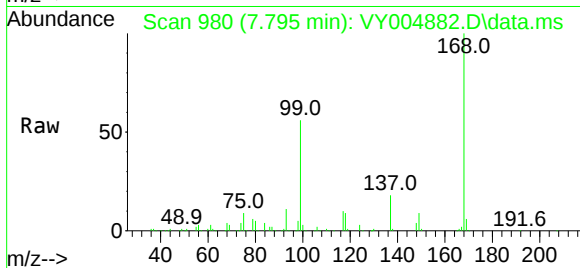
Delta R.T. -0.128 min

Lab File: VY004882.D

Acq: 26 May 2021 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13099 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 17.0  | 50.9# |
| 77       | 0.0   | 25.0  | 37.4# |



#38

Carbon Tetrachloride

Concen: 6.23 ug/l

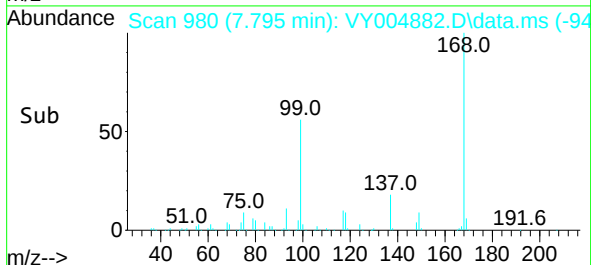
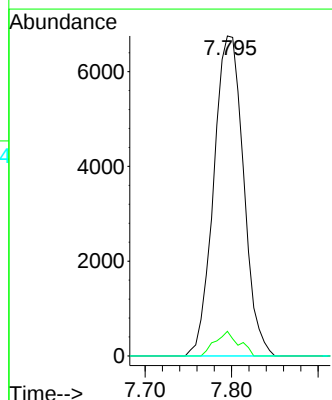
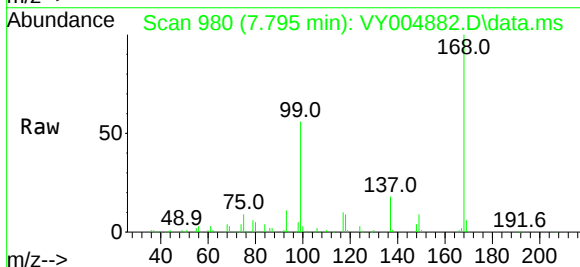
RT: 7.795 min Scan# 980

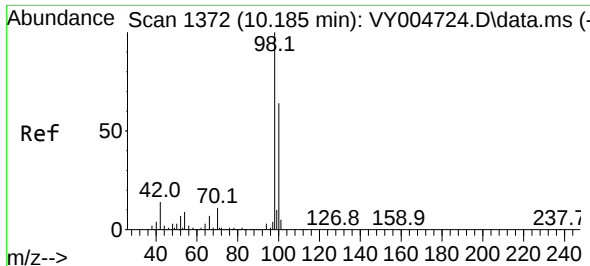
Delta R.T. -0.110 min

Lab File: VY004882.D

Acq: 26 May 2021 13:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 16127  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.7   | 76.3  | 114.5# |
| 121      | 0.0   | 23.0  | 34.6#  |

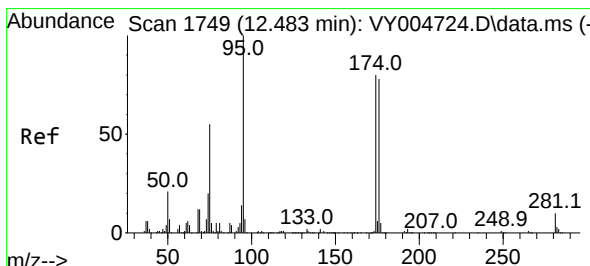
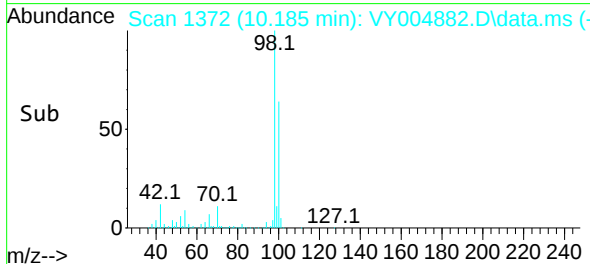
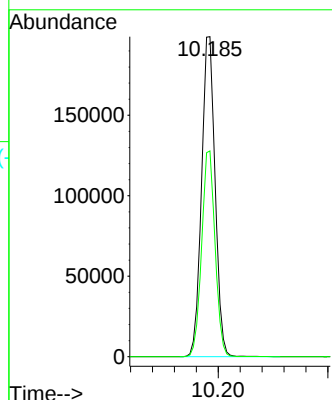
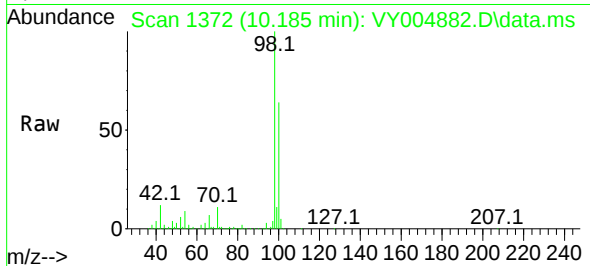




#50  
Toluene-d8  
Concen: 49.10 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

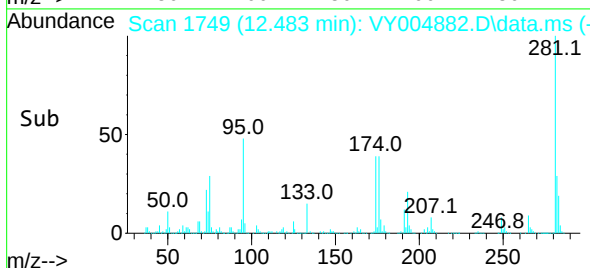
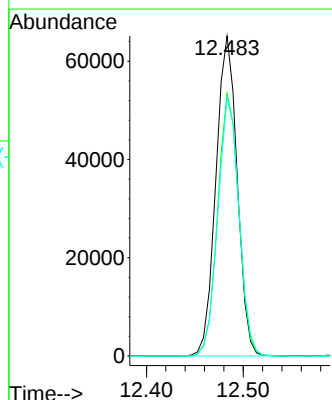
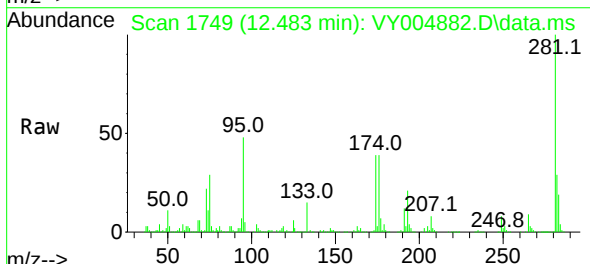
Instrument :  
MSVOA\_Y  
ClientSampled :  
26878

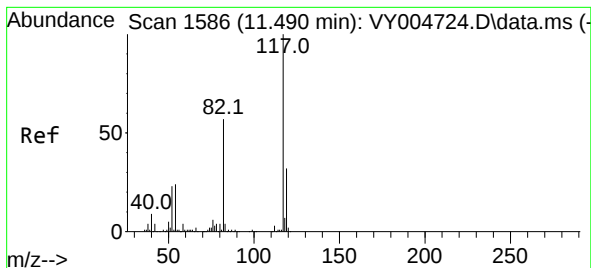
Tgt Ion: 98 Resp: 341166  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 42.34 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

Tgt Ion: 95 Resp: 99288  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 164.2  
176 80.3 0.0 159.0

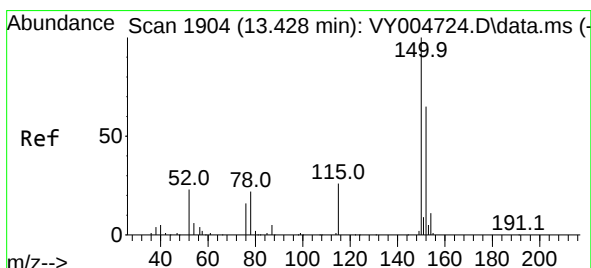
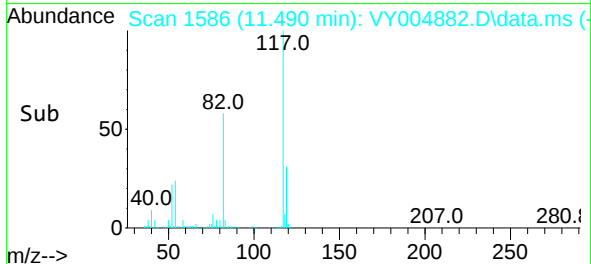
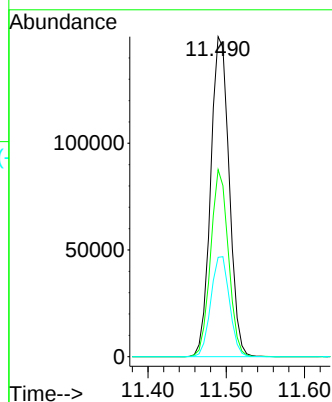
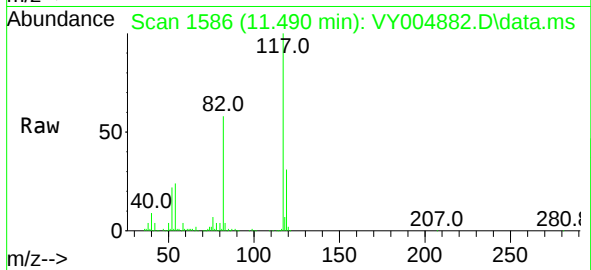




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

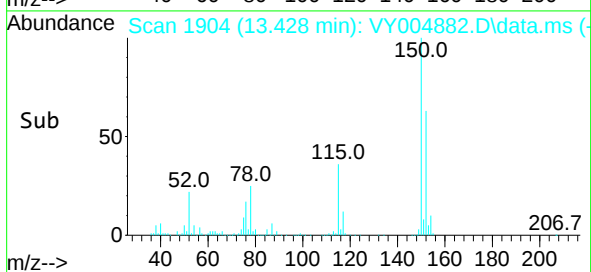
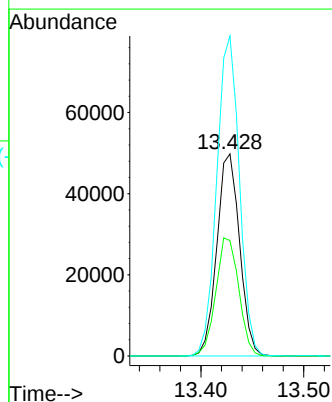
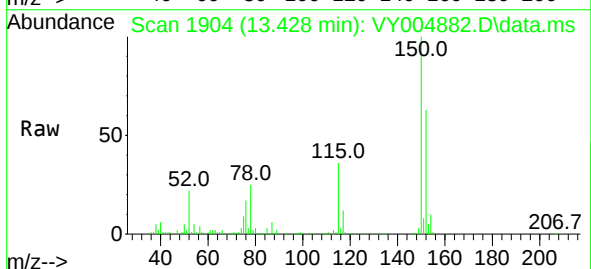
Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

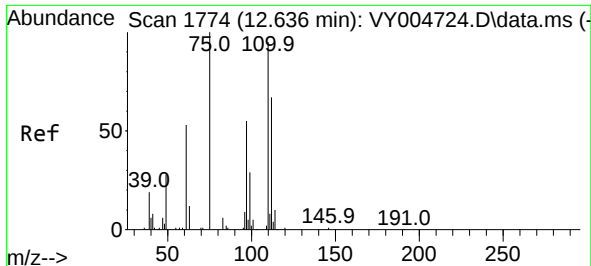
Tgt Ion:117 Resp: 245674  
Ion Ratio Lower Upper  
117 100  
82 58.5 45.4 68.2  
119 31.1 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

Tgt Ion:152 Resp: 76625  
Ion Ratio Lower Upper  
152 100  
115 59.0 29.4 88.3  
150 157.0 0.0 349.8

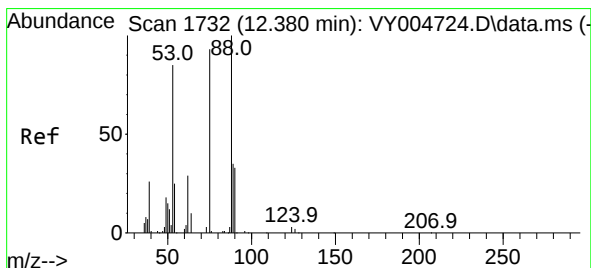
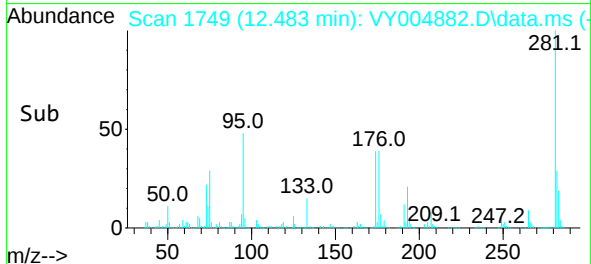
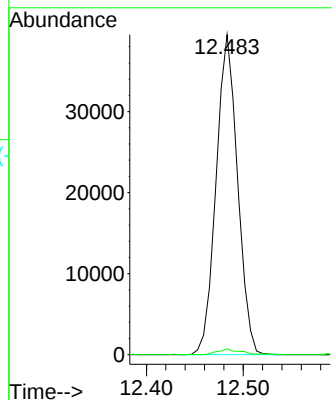
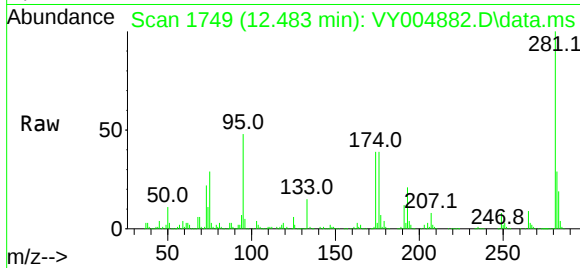




#76  
1,2,3-Trichloropropane  
Concen: 74.70 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26878

Tgt Ion: 75 Resp: 60793  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.52 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY004882.D  
Acq: 26 May 2021 13:31

Tgt Ion: 75 Resp: 60793  
Ion Ratio Lower Upper  
75 100  
53 0.1 73.9 110.9#  
89 4.2 35.5 53.3#

