

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092822\  
 Data File : VY010717.D  
 Acq On : 28 Sep 2022 15:29  
 Operator : KP/MD  
 Sample : N4809-04  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP2-0923

Quant Time: Sep 28 16:46:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

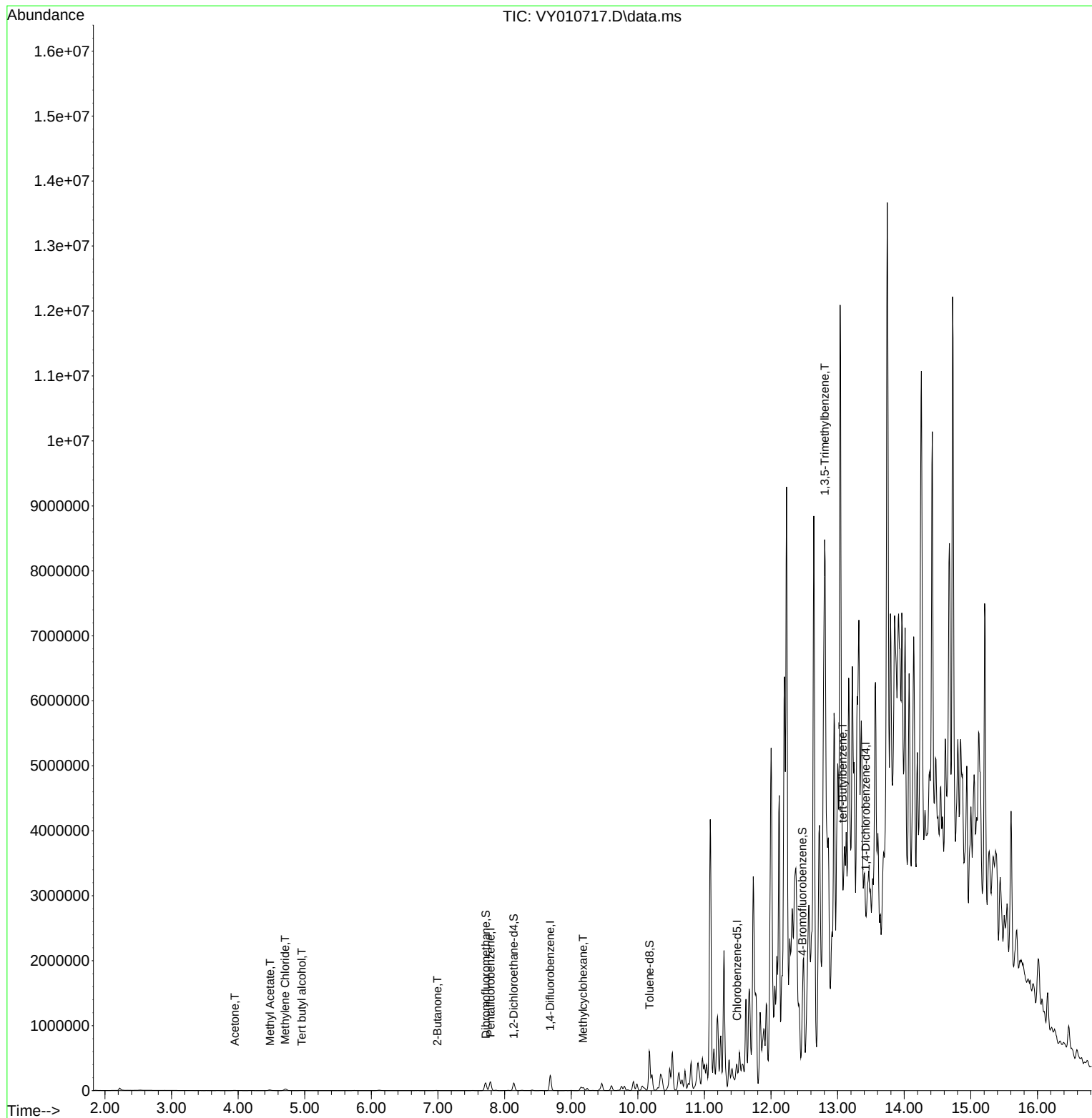
| Compound                    | R.T. QIon |       | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|-------|----------|--------|----------|----------|
| -----                       |           |       |          |        |          |          |
| Internal Standards          |           |       |          |        |          |          |
| 1) Pentafluorobenzene       | 7.789     | 168   | 104416   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 200239   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 110805   | 50.000 | ug/l     | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 54753    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |       |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 87733    | 87.846 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 50  | - 163 | Recovery | =      | 175.700% | #        |
| 35) Dibromofluoromethane    | 7.716     | 113   | 84522    | 66.140 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 54  | - 147 | Recovery | =      | 132.280% |          |
| 50) Toluene-d8              | 10.179    | 98    | 185685   | 39.983 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 49  | - 140 | Recovery | =      | 79.960%  |          |
| 62) 4-Bromofluorobenzene    | 12.471    | 95    | 165676   | 97.063 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 25  | - 144 | Recovery | =      | 194.120% | #        |
| Target Compounds            |           |       |          |        |          |          |
|                             |           |       |          |        |          | Qvalue   |
| 11) Tert butyl alcohol      | 4.954     | 59    | 1826     | 9.701  | ug/l     | 97       |
| 16) Acetone                 | 3.948     | 43    | 6322     | 31.041 | ug/l     | # 82     |
| 18) Methyl Acetate          | 4.478     | 43    | 21404    | 36.597 | ug/l     | # 90     |
| 20) Methylene Chloride      | 4.704     | 84    | 18927    | 7.338  | ug/l     | 84       |
| 25) 2-Butanone              | 6.990     | 43    | 2187     | 6.865  | ug/l     | # 83     |
| 39) Methylcyclohexane       | 9.179     | 83    | 20921    | 12.553 | ug/l     | 93       |
| 80) 1,3,5-Trimethylbenzene  | 12.806    | 105   | 27198    | 9.513  | ug/l     | 92       |
| 83) tert-Butylbenzene       | 13.074    | 119   | 105646   | 41.315 | ug/l     | 84       |
| -----                       |           |       |          |        |          |          |

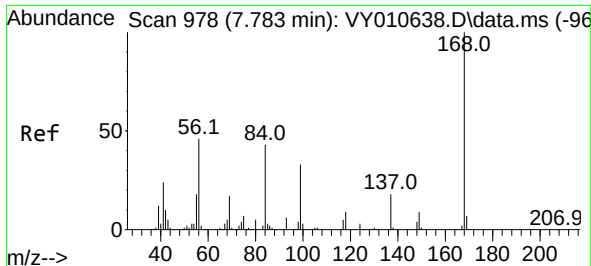
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092822\  
Data File : VY010717.D  
Acq On : 28 Sep 2022 15:29  
Operator : KP/MD  
Sample : N4809-04  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

Quant Time: Sep 28 16:46:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration

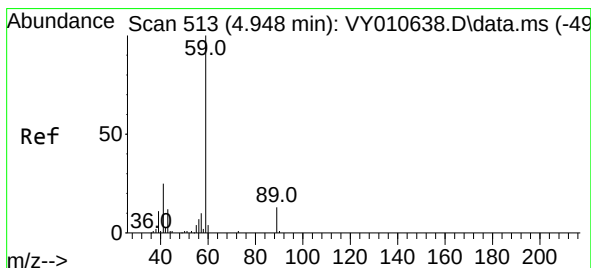
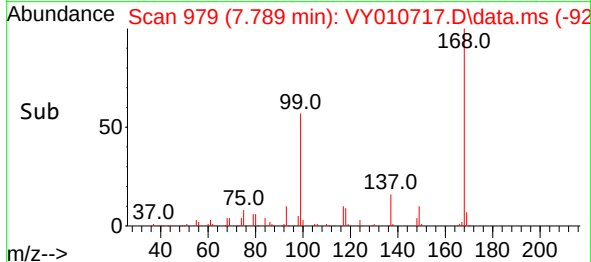
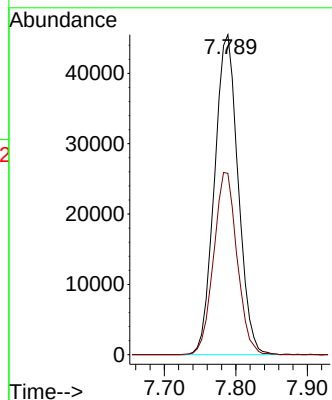
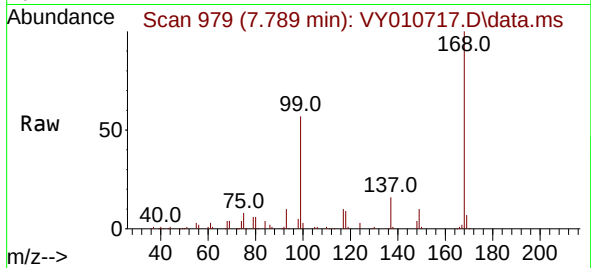




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

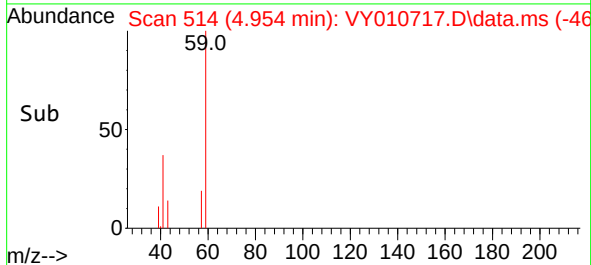
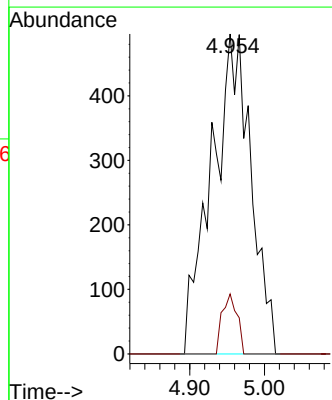
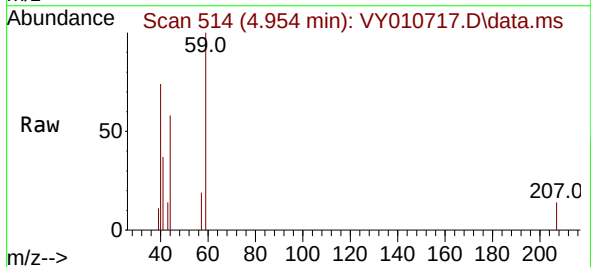
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

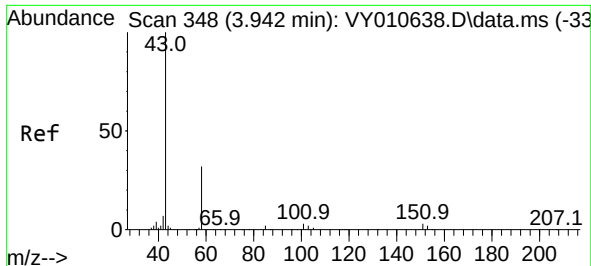
Tgt Ion:168 Resp: 104416  
Ion Ratio Lower Upper  
168 100  
99 56.6 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 9.701 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.012 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Tgt Ion: 59 Resp: 1826  
Ion Ratio Lower Upper  
59 100  
57 7.1 6.4 9.6

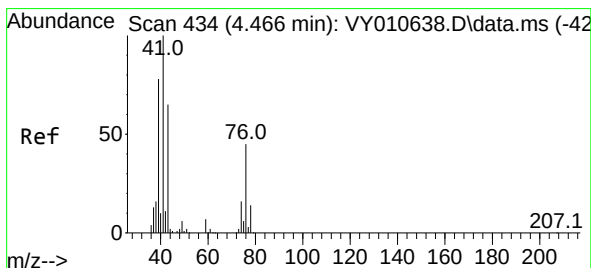
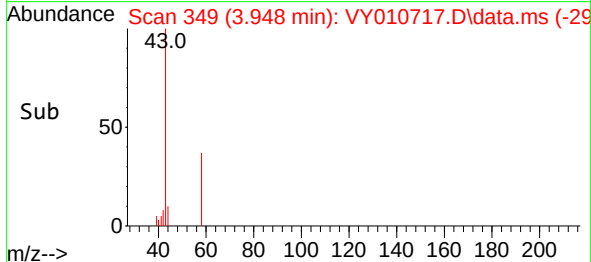
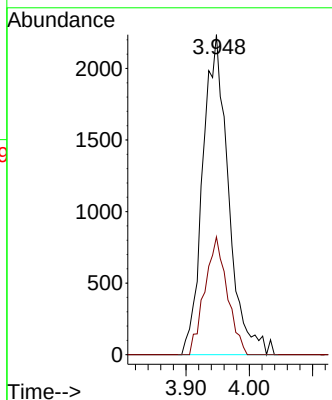
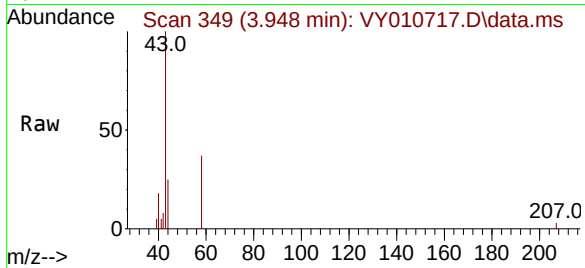




#16  
Acetone  
Concen: 31.041 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.012 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

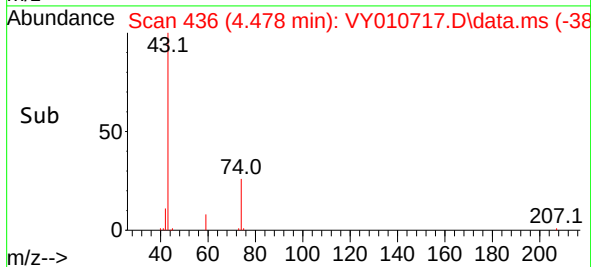
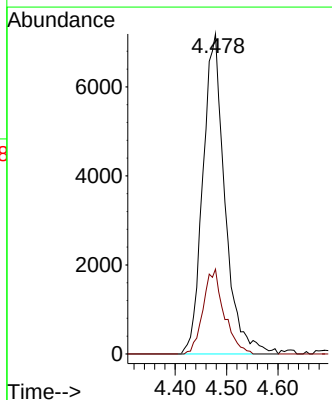
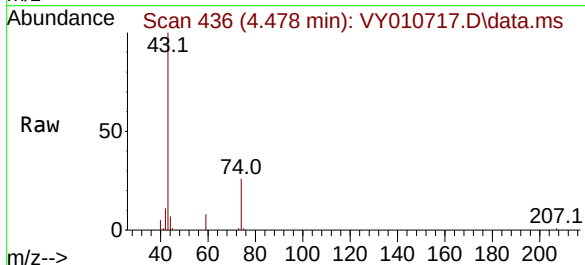
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

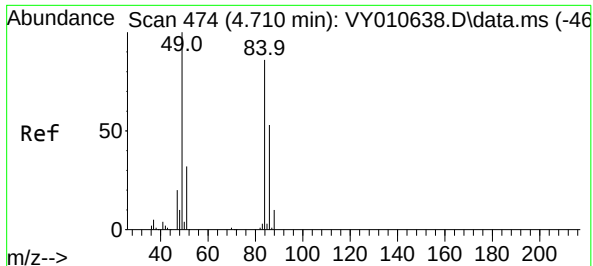
Tgt Ion: 43 Resp: 6322  
Ion Ratio Lower Upper  
43 100  
58 36.8 22.0 33.0#



#18  
Methyl Acetate  
Concen: 36.597 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.012 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

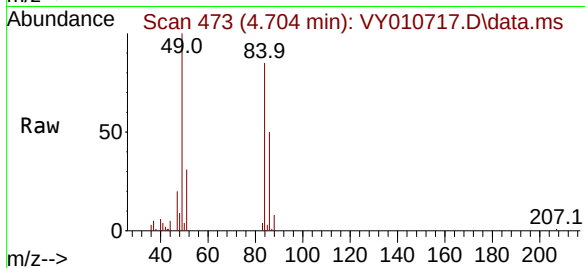
Tgt Ion: 43 Resp: 21404  
Ion Ratio Lower Upper  
43 100  
74 25.2 16.6 24.8#



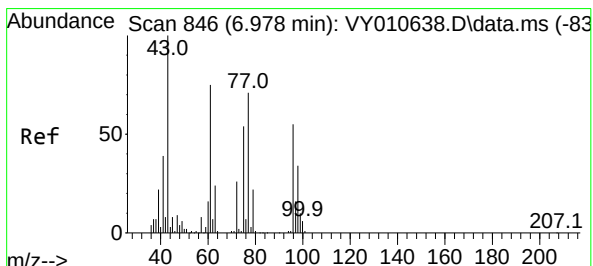
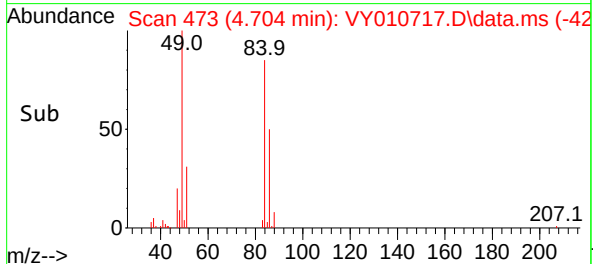
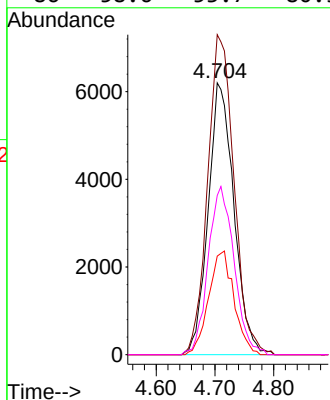


#20  
Methylene Chloride  
Concen: 7.338 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

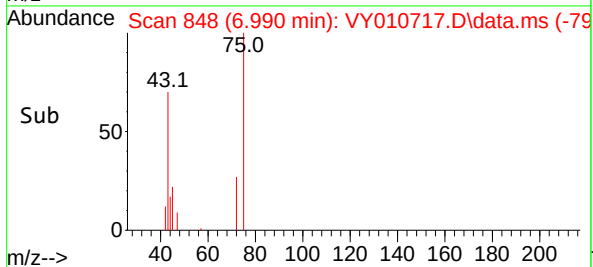
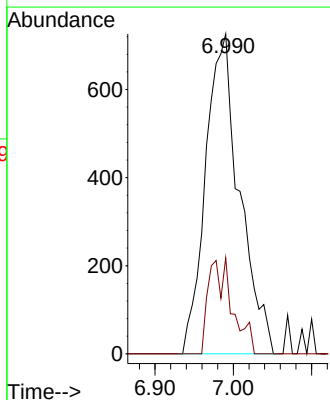
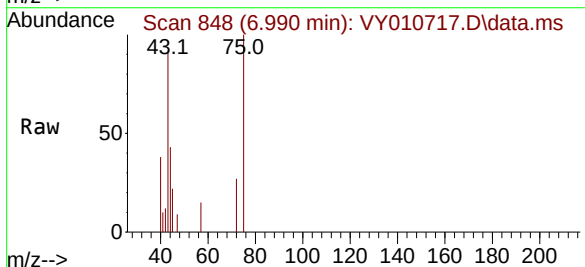


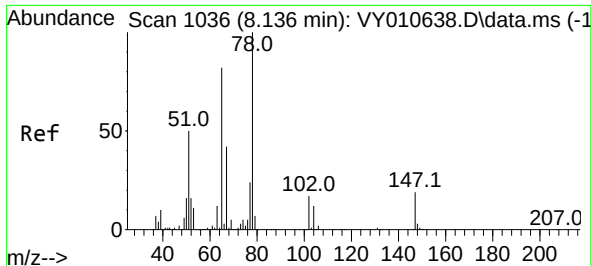
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 18927 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.7 | 114.4 | 171.6 |
| 51       | 36.3  | 35.3  | 52.9  |
| 86       | 58.6  | 53.7  | 80.5  |



#25  
2-Butanone  
Concen: 6.865 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.012 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2187  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 30.0  | 17.7  | 26.5# |





#33

1,2-Dichloroethane-d4

Concen: 87.846 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010717.D

Acq: 28 Sep 2022 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

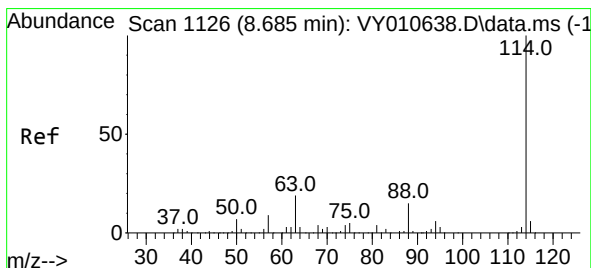
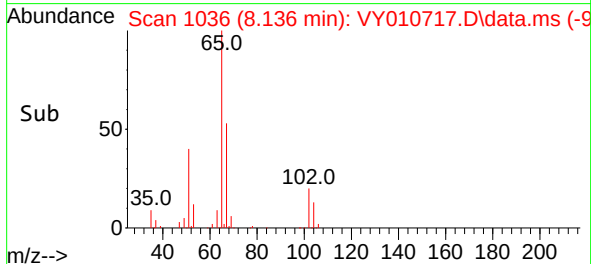
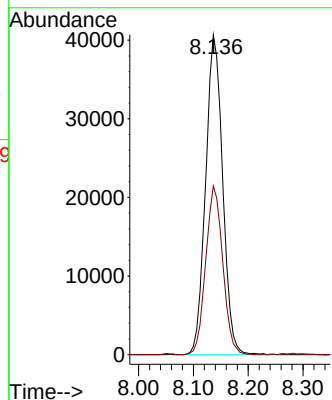
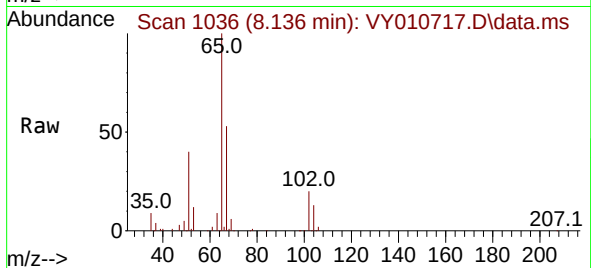
TP2-0923

Tgt Ion: 65 Resp: 87733

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010717.D

Acq: 28 Sep 2022 15:29

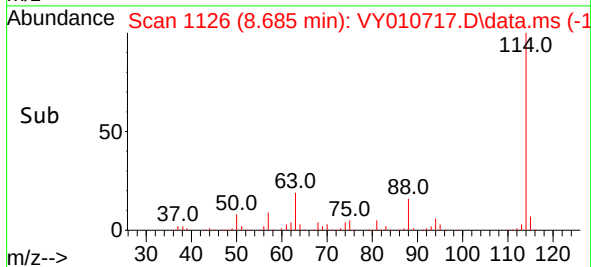
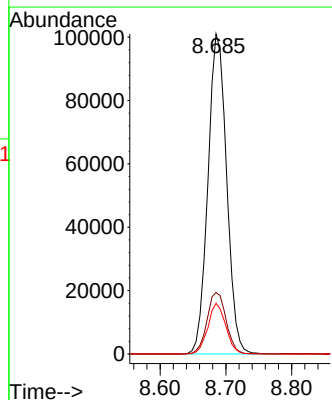
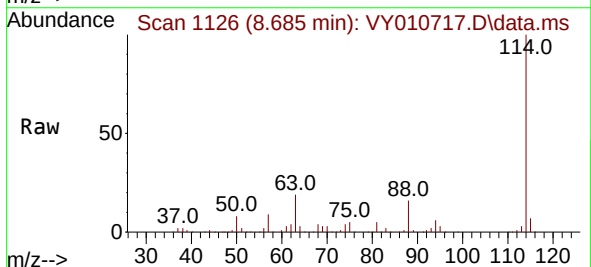
Tgt Ion: 114 Resp: 200239

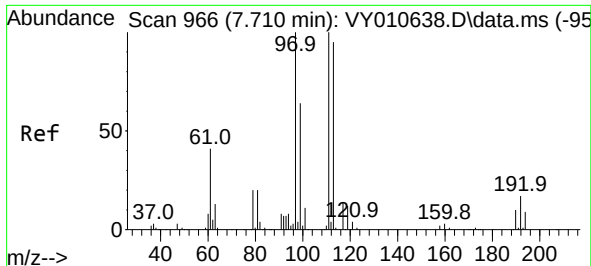
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.8 0.0 31.8

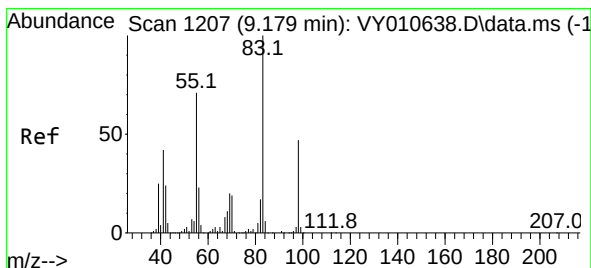
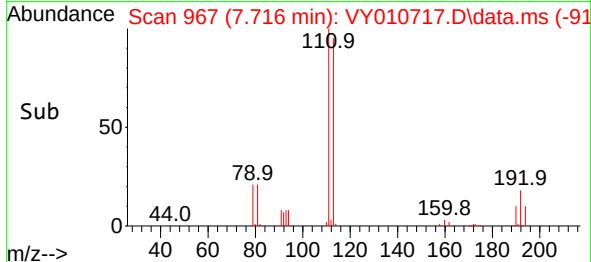
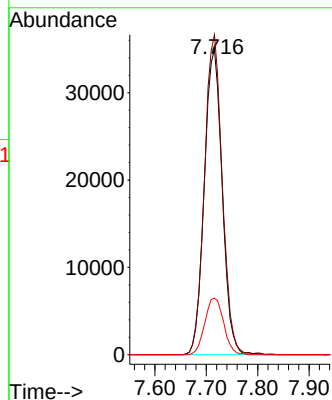
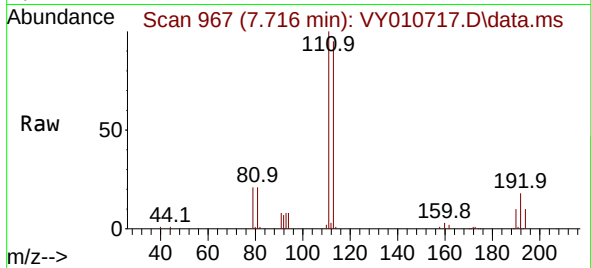




#35  
Dibromofluoromethane  
Concen: 66.140 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

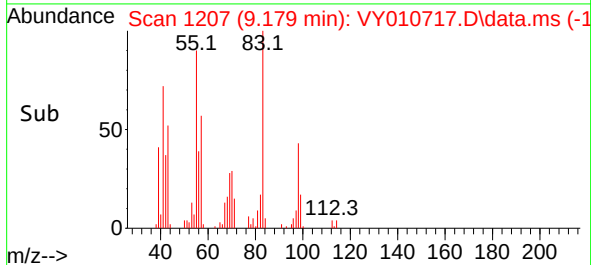
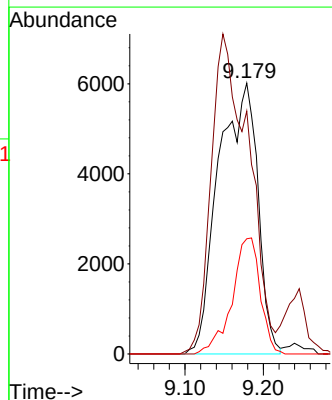
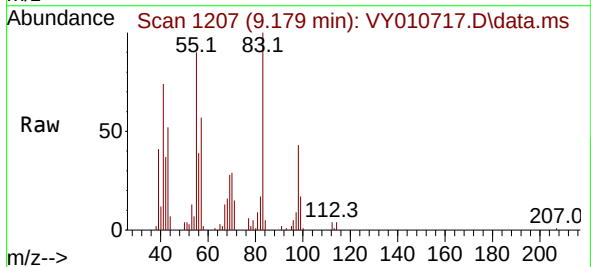
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

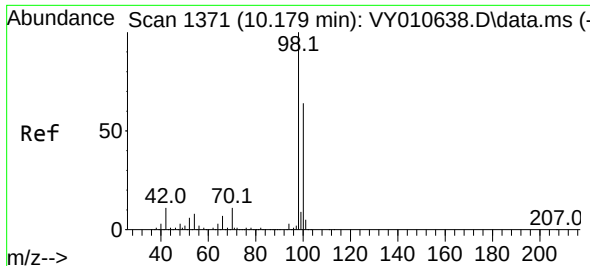
Tgt Ion:113 Resp: 84522  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.6 124.0  
192 19.5 17.6 26.4



#39  
Methylcyclohexane  
Concen: 12.553 ug/l  
RT: 9.179 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Tgt Ion: 83 Resp: 20921  
Ion Ratio Lower Upper  
83 100  
55 89.7 66.5 99.7  
98 42.5 37.9 56.9

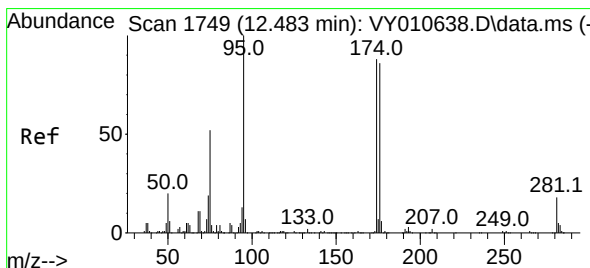
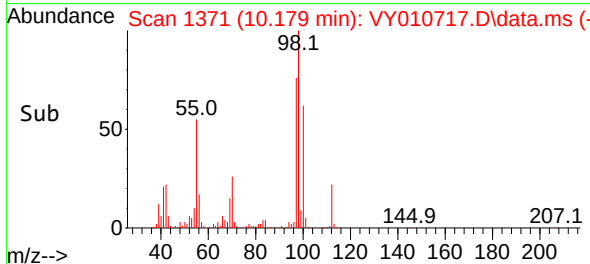
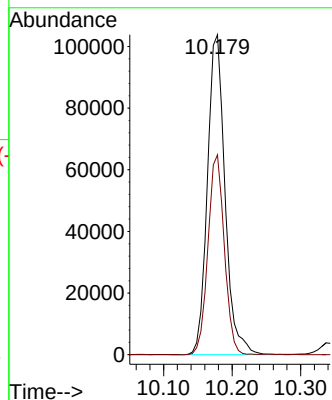
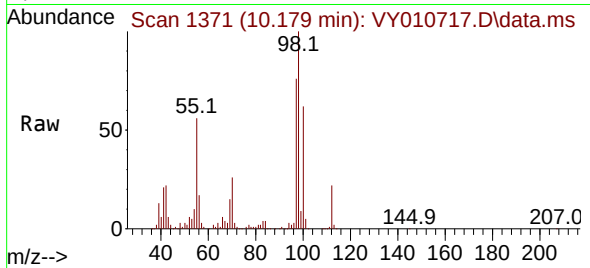




#50  
Toluene-d8  
Concen: 39.983 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

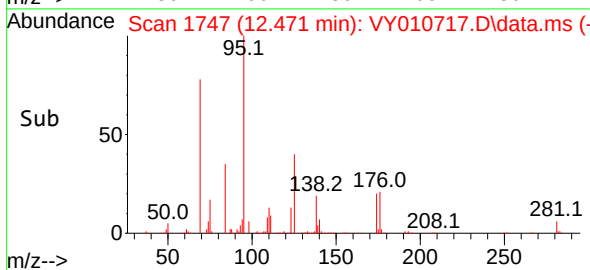
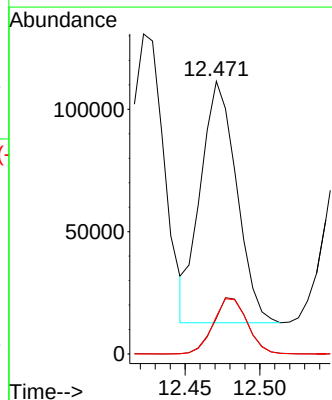
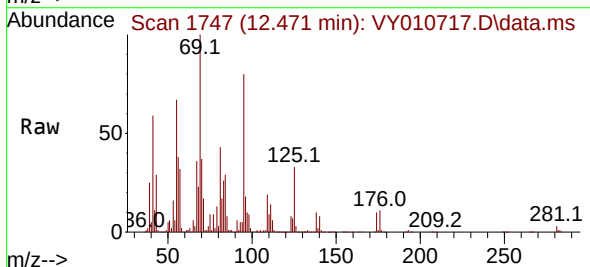
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

Tgt Ion: 98 Resp: 185685  
Ion Ratio Lower Upper  
98 100  
100 58.0 50.2 75.2

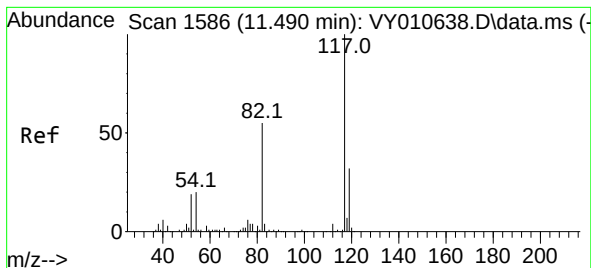


#62  
4-Bromofluorobenzene  
Concen: 97.063 ug/l  
RT: 12.471 min Scan# 1747  
Delta R.T. -0.006 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Tgt Ion: 95 Resp: 165676  
Ion Ratio Lower Upper  
95 100  
174 21.9 0.0 177.0  
176 21.6 0.0 175.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010717.D

Acq: 28 Sep 2022 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

TP2-0923

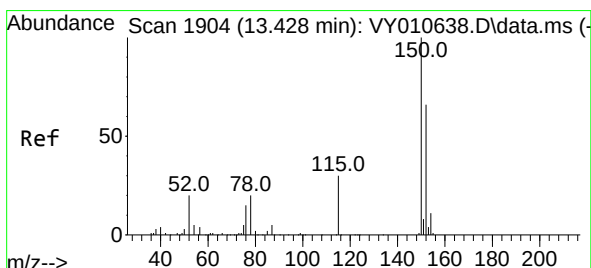
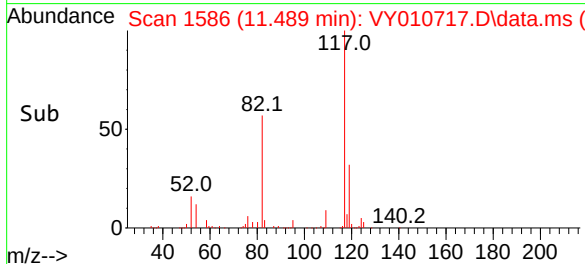
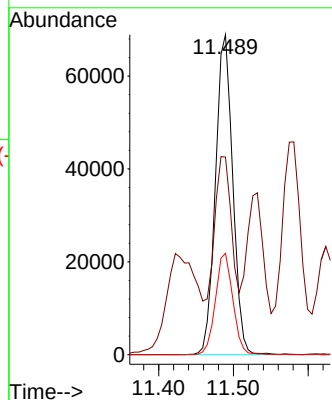
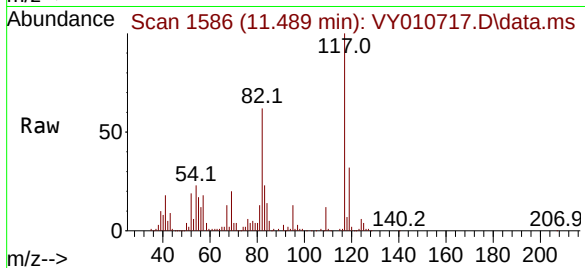
Tgt Ion:117 Resp: 110805

Ion Ratio Lower Upper

117 100

82 32.4 43.0 64.4#

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY010717.D

Acq: 28 Sep 2022 15:29

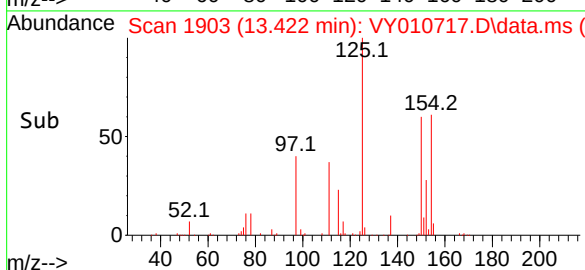
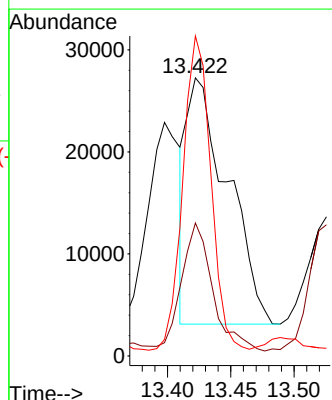
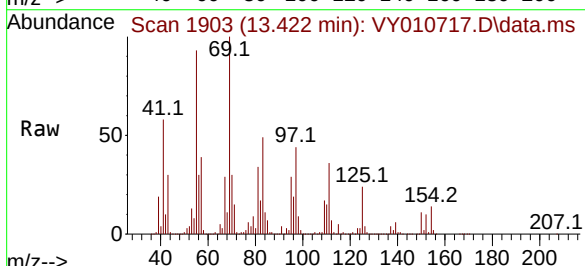
Tgt Ion:152 Resp: 54753

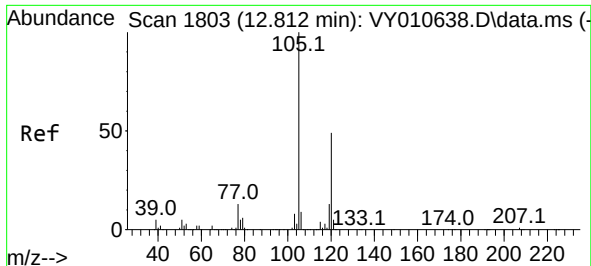
Ion Ratio Lower Upper

152 100

115 39.3 28.2 84.7

150 86.2 0.0 347.6

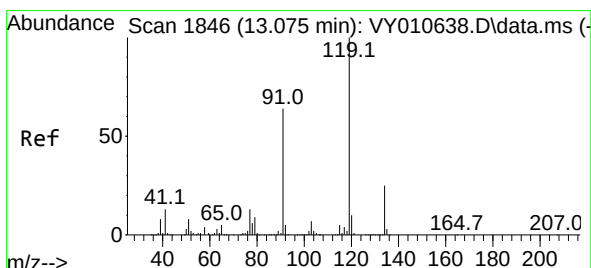
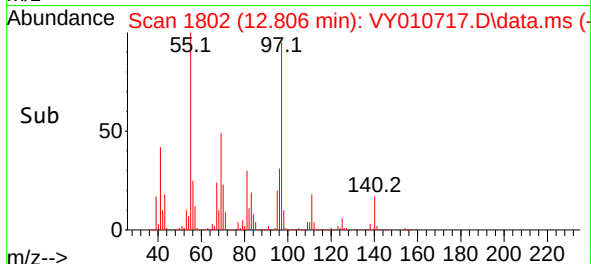
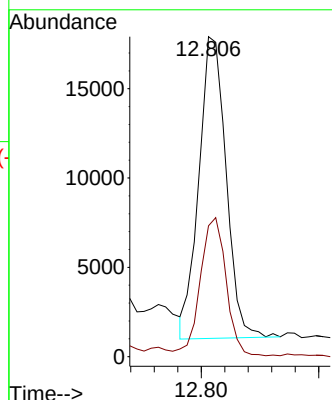
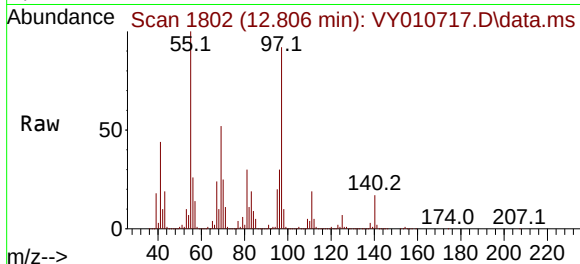




#80  
1,3,5-Trimethylbenzene  
Concen: 9.513 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.007 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0923

Tgt Ion:105 Resp: 27198  
Ion Ratio Lower Upper  
105 100  
120 43.4 24.4 73.4



#83  
tert-Butylbenzene  
Concen: 41.315 ug/l  
RT: 13.074 min Scan# 1846  
Delta R.T. -0.001 min  
Lab File: VY010717.D  
Acq: 28 Sep 2022 15:29

Tgt Ion:119 Resp: 105646  
Ion Ratio Lower Upper  
119 100  
91 86.7 34.8 104.4  
134 25.2 13.3 39.9

