

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010822\  
 Data File : VY007080.D  
 Acq On : 08 Jan 2022 15:45  
 Operator : SY/MD  
 Sample : N1066-01  
 Misc : 7.31g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-5-(9-9.5)-1-5-22

Quant Time: Jan 10 03:40:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 10 03:29:44 2022  
 Response via : Initial Calibration

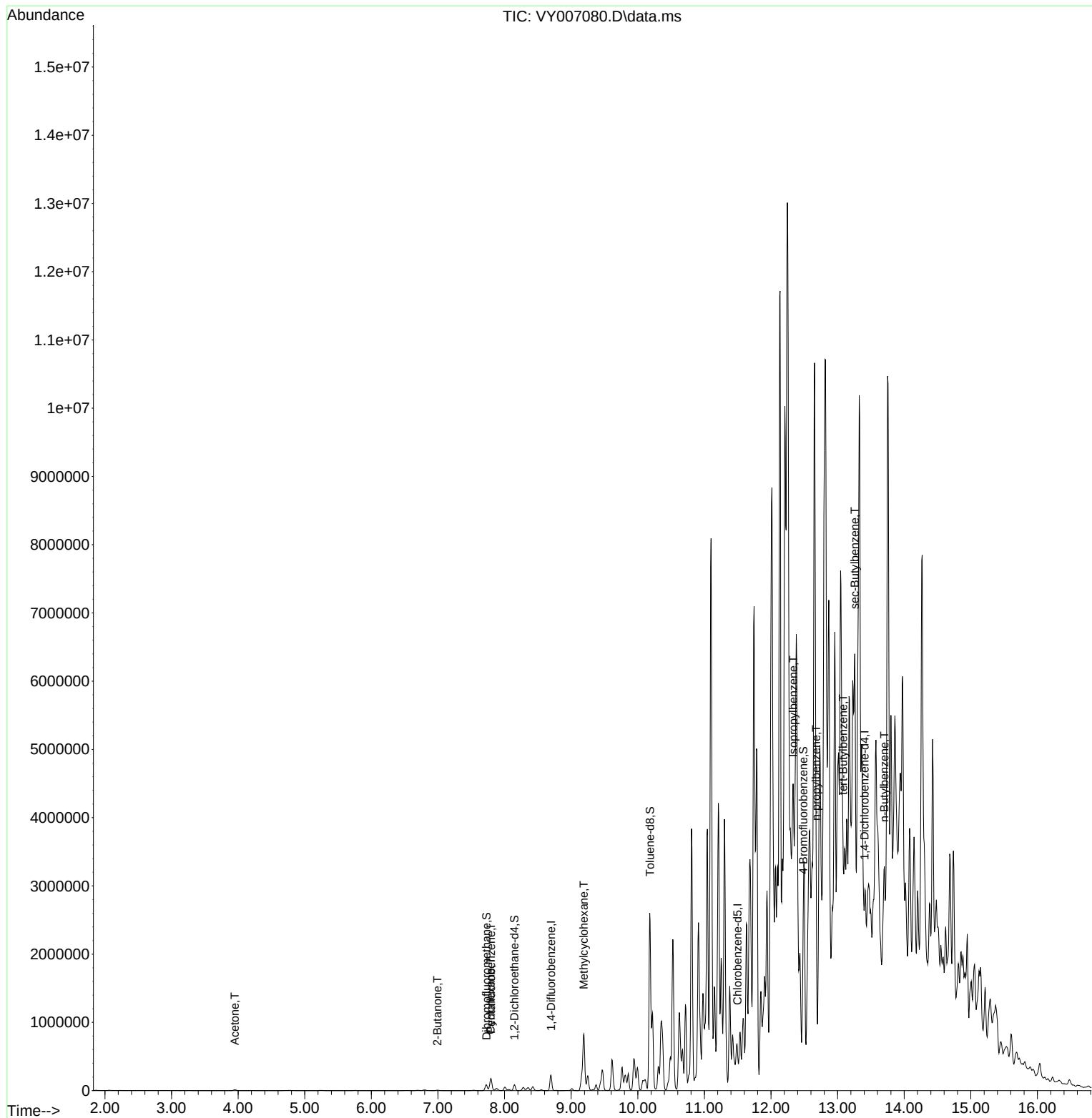
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 112567   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 195820   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117   | 147916   | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.404    | 152   | 98800    | 50.000   | ug/l        | #-0.02   |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 68459    | 50.836   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 101.680%  |          |
| 35) Dibromofluoromethane    | 7.728     | 113   | 63266    | 48.476   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 96.960%   |          |
| 50) Toluene-d8              | 10.185    | 98    | 350709   | 72.750   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 145.500%# |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 269169   | 154.818  | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 309.640%# |          |
| Target Compounds            |           |       |          |          |             |          |
|                             |           |       |          |          | Qvalue      |          |
| 16) Acetone                 | 3.948     | 43    | 23449    | 92.808   | ug/l        | 91       |
| 25) 2-Butanone              | 6.990     | 43    | 9747     | 24.967   | ug/l        | 95       |
| 31) Cyclohexane             | 7.789     | 56    | 19325    | 8.338    | ug/l        | # 93     |
| 39) Methylcyclohexane       | 9.191     | 83    | 345412   | 133.553  | ug/l        | 98       |
| 73) Isopropylbenzene        | 12.337    | 105   | 582091   | 69.240   | ug/l        | 100      |
| 78) n-propylbenzene         | 12.678    | 91    | 1182865  | 115.174  | ug/l        | 99       |
| 83) tert-Butylbenzene       | 13.081    | 119   | 105435   | 17.312   | ug/l        | 74       |
| 85) sec-Butylbenzene        | 13.258    | 105   | 1244368  | 140.213  | ug/l        | 84       |
| 89) n-Butylbenzene          | 13.703    | 91    | 440754   | 62.194   | ug/l        | 94       |
| -----                       |           |       |          |          |             |          |

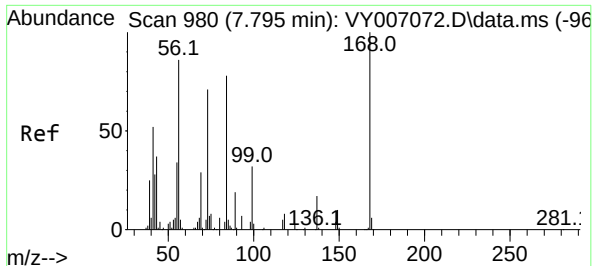
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010822\  
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Sample : N1066-01  
Misc : 7.31g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

Quant Time: Jan 10 03:40:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010822S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 10 03:29:44 2022  
Response via : Initial Calibration

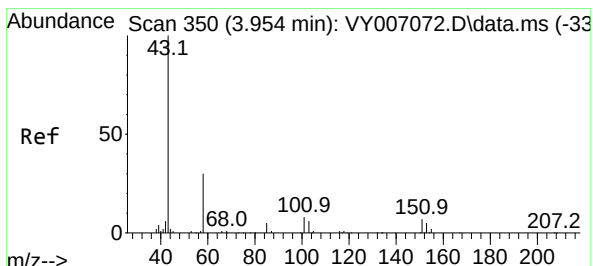
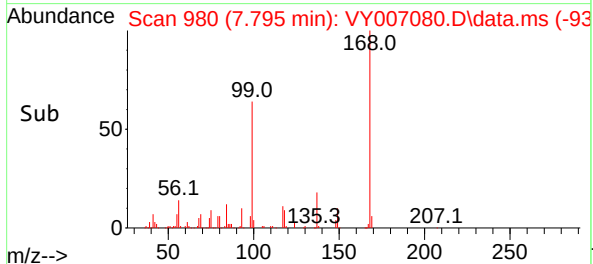
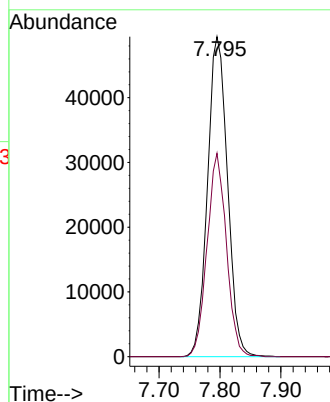
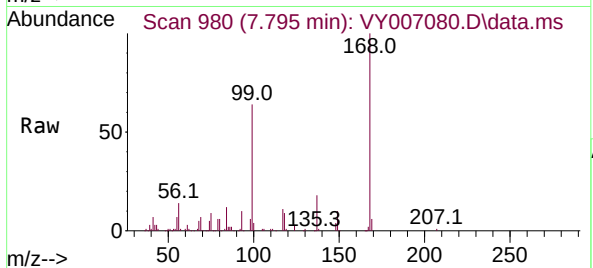




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

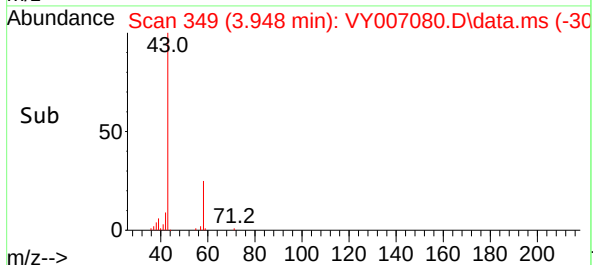
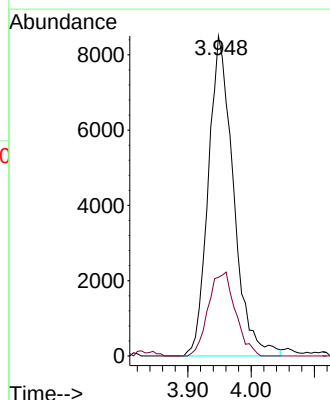
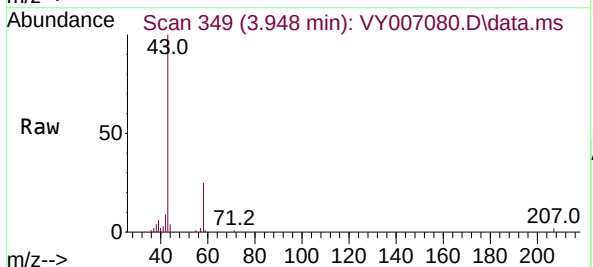
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

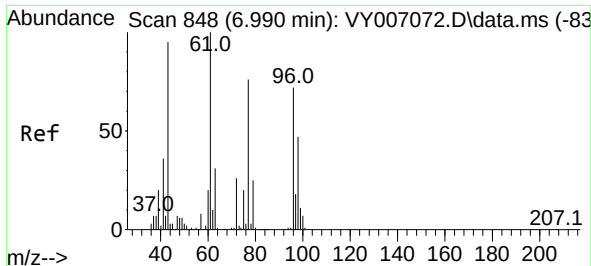
Tgt Ion:168 Resp: 112567  
Ion Ratio Lower Upper  
168 100  
99 63.5 49.1 73.7



#16  
Acetone  
Concen: 92.808 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

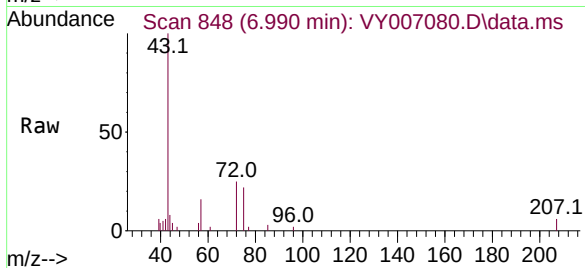
Tgt Ion: 43 Resp: 23449  
Ion Ratio Lower Upper  
43 100  
58 24.6 23.8 35.6



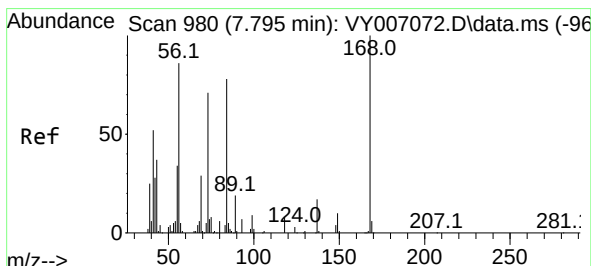
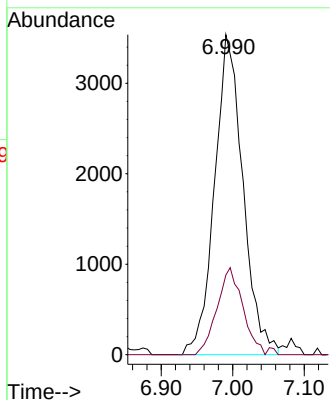
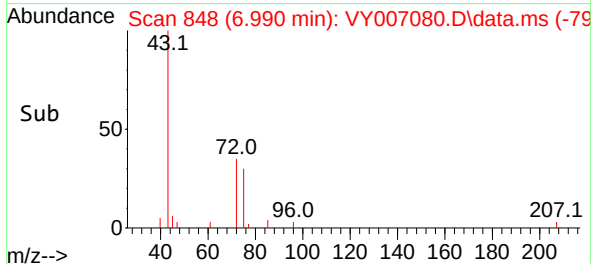


#25  
2-Butanone  
Concen: 24.967 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

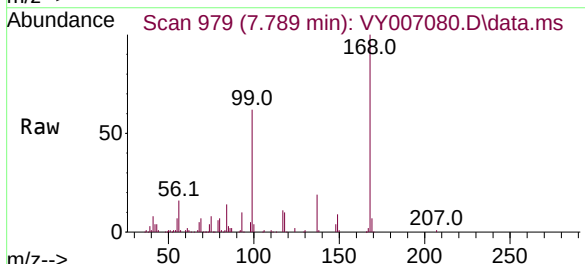
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



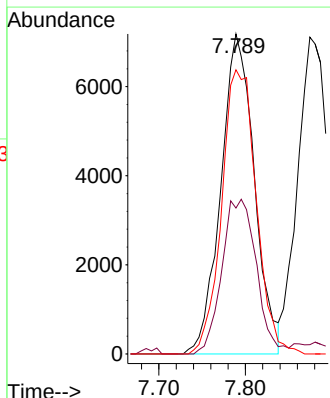
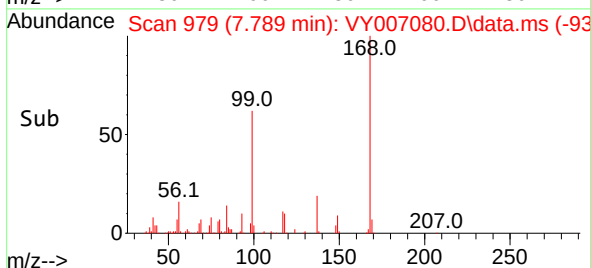
Tgt Ion: 43 Resp: 9747  
Ion Ratio Lower Upper  
43 100  
72 24.9 21.9 32.9

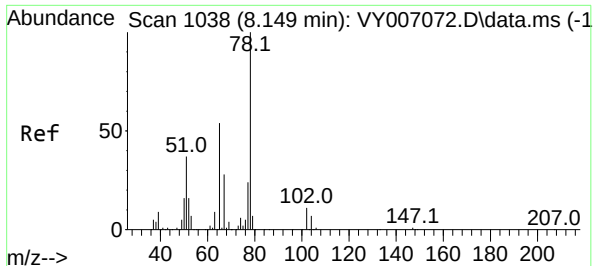


#31  
Cyclohexane  
Concen: 8.338 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45



Tgt Ion: 56 Resp: 19325  
Ion Ratio Lower Upper  
56 100  
69 45.6 27.2 40.8#  
84 88.8 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 50.836 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY007080.D

Acq: 08 Jan 2022 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

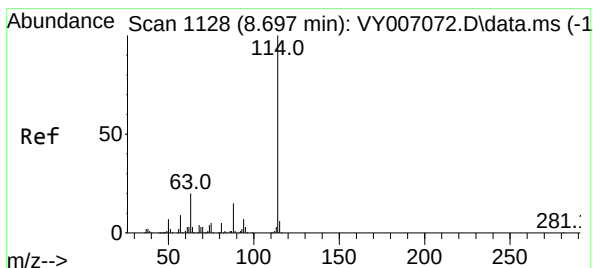
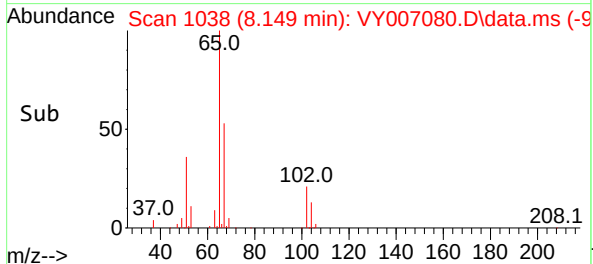
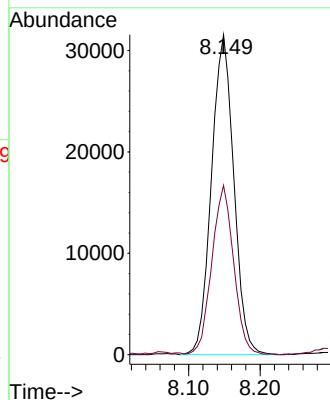
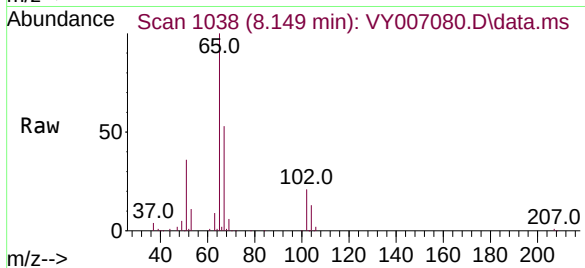
DB-5-(9-9.5)-1-5-22

Tgt Ion: 65 Resp: 68459

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007080.D

Acq: 08 Jan 2022 15:45

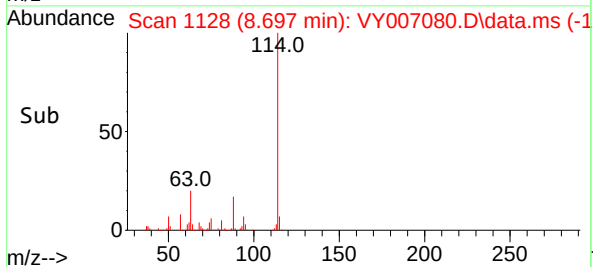
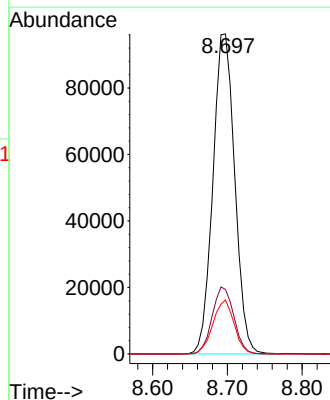
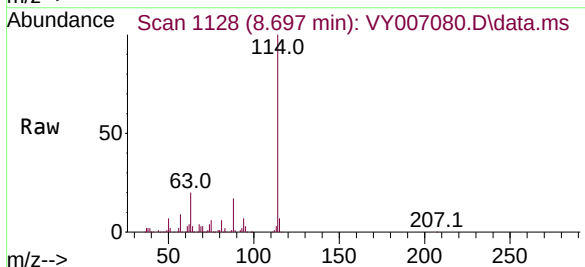
Tgt Ion: 114 Resp: 195820

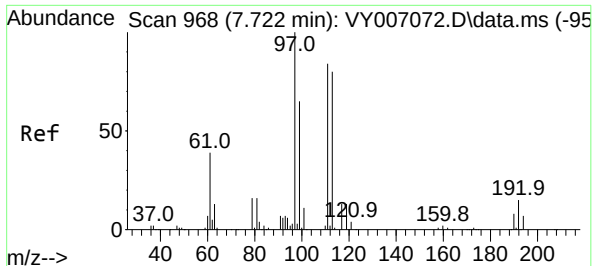
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.9 0.0 31.0

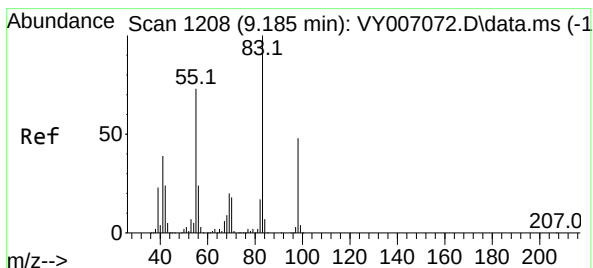
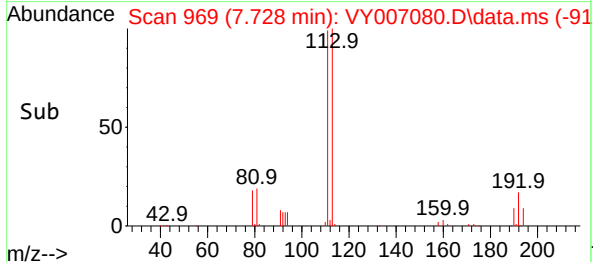
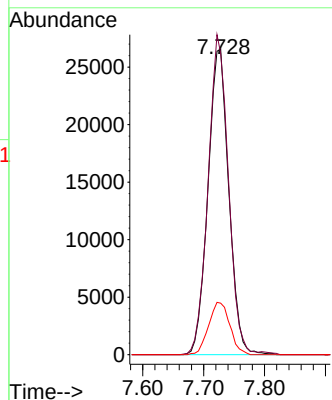
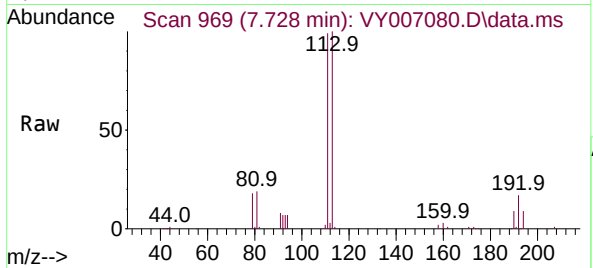




#35  
Dibromofluoromethane  
Concen: 48.476 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

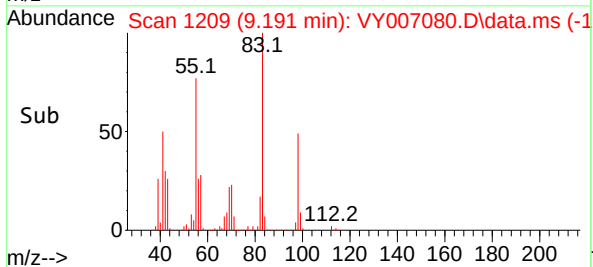
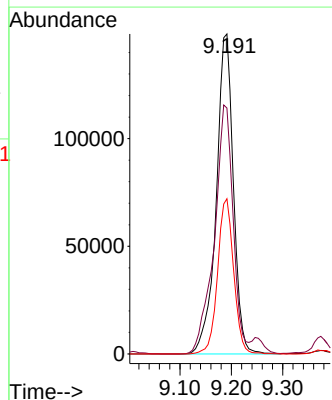
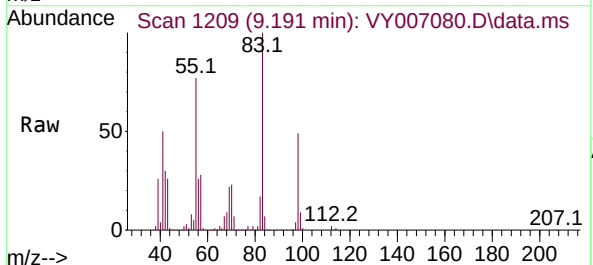
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

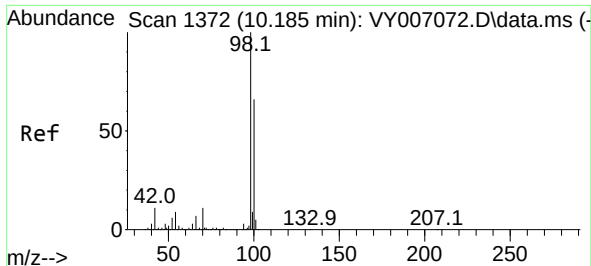
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 63266 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.2  | 123.4 |
| 192      | 17.4  | 14.2  | 21.4  |



#39  
Methylcyclohexane  
Concen: 133.553 ug/l  
RT: 9.191 min Scan# 1209  
Delta R.T. 0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 345412 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 76.9  | 58.8  | 88.2   |
| 98       | 48.5  | 38.7  | 58.1   |

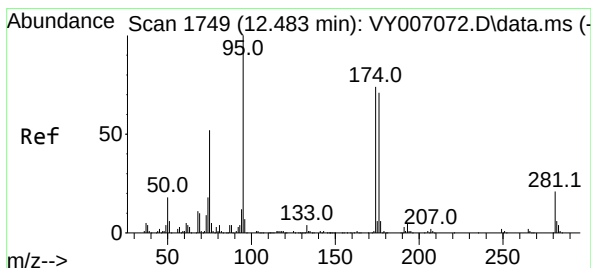
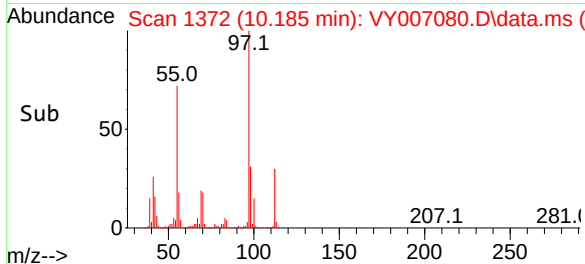
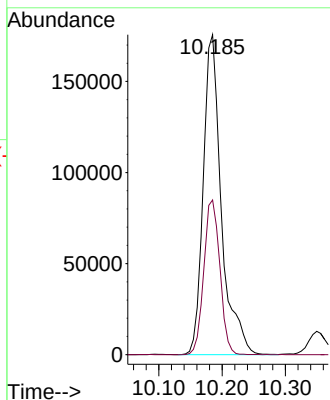
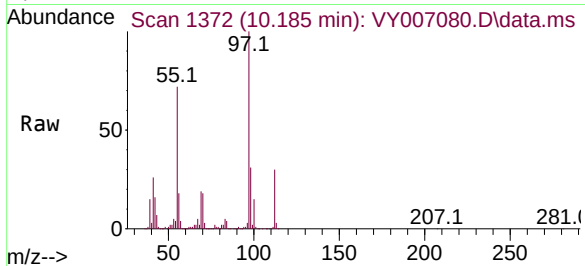




#50  
Toluene-d8  
Concen: 72.750 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

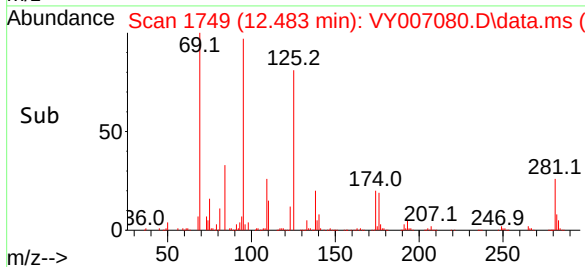
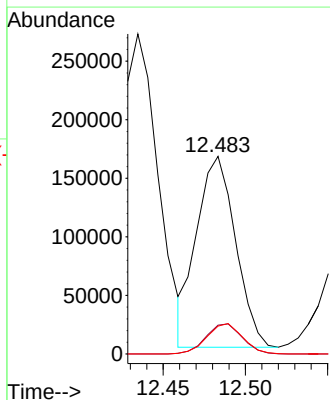
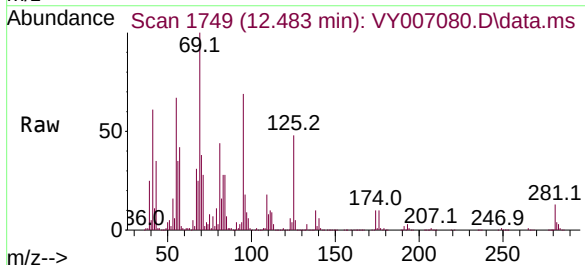
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

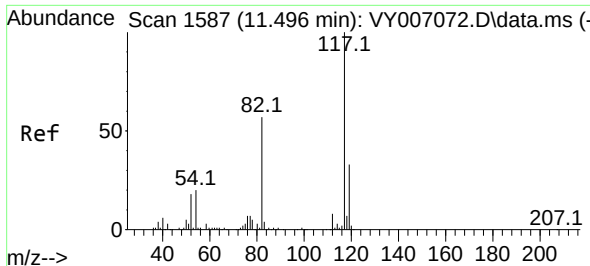
Tgt Ion: 98 Resp: 350709  
Ion Ratio Lower Upper  
98 100  
100 42.8 52.2 78.2#



#62  
4-Bromofluorobenzene  
Concen: 154.818 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

Tgt Ion: 95 Resp: 269169  
Ion Ratio Lower Upper  
95 100  
174 14.7 0.0 148.4  
176 14.6 0.0 146.6

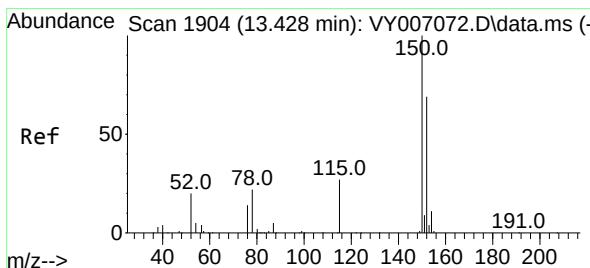
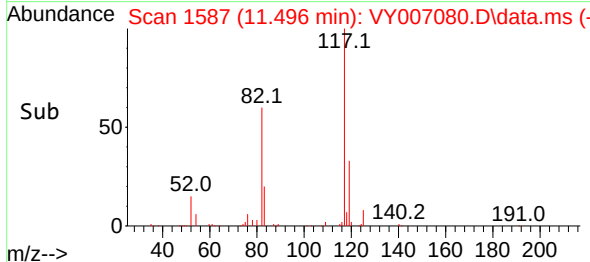
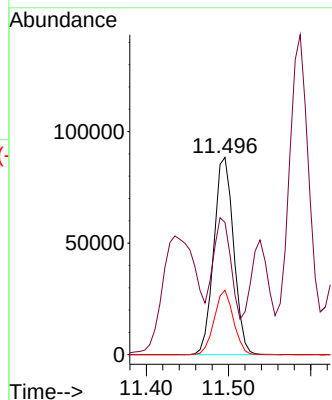
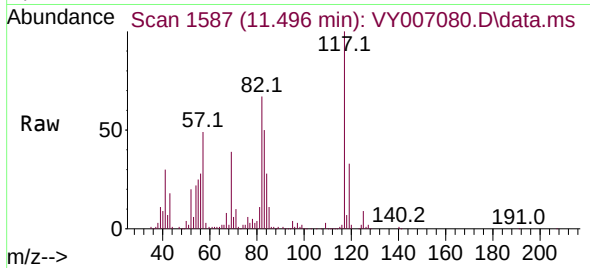




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

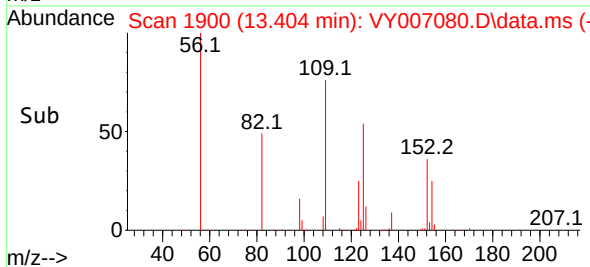
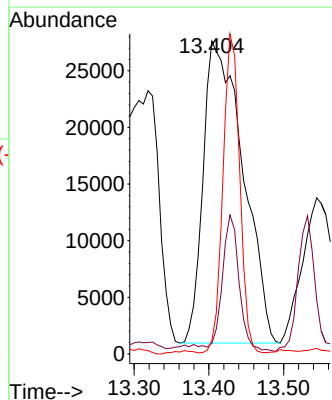
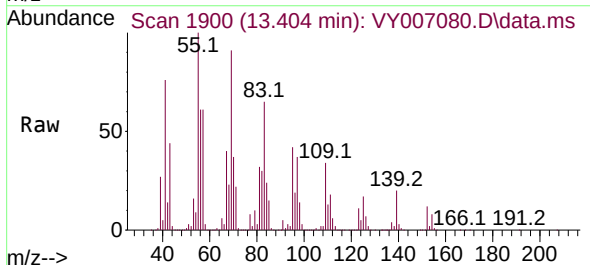
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

Tgt Ion:117 Resp: 147916  
Ion Ratio Lower Upper  
117 100  
82 41.1 45.4 68.0#  
119 32.7 26.4 39.6

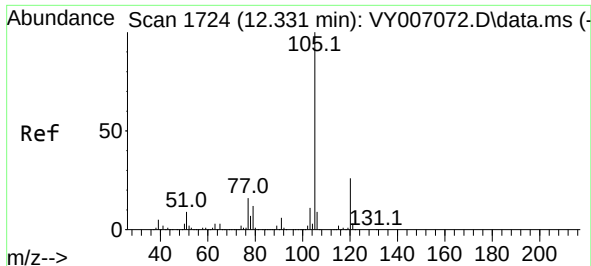


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.404 min Scan# 1900  
Delta R.T. -0.024 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

Tgt Ion:152 Resp: 98800  
Ion Ratio Lower Upper  
152 100  
115 0.0 31.4 94.0#  
150 0.0 0.0 348.4



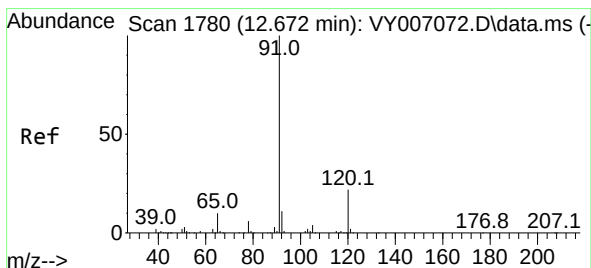
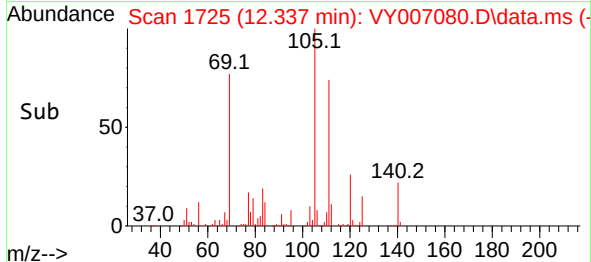
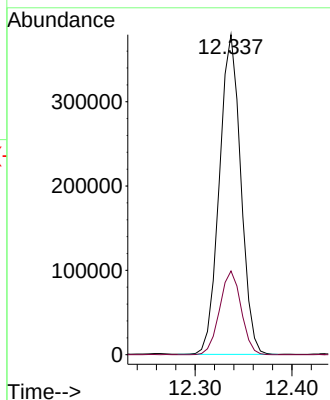
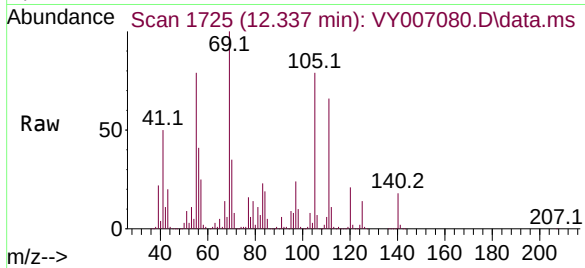




#73  
Isopropylbenzene  
Concen: 69.240 ug/l  
RT: 12.337 min Scan# 1725  
Delta R.T. 0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

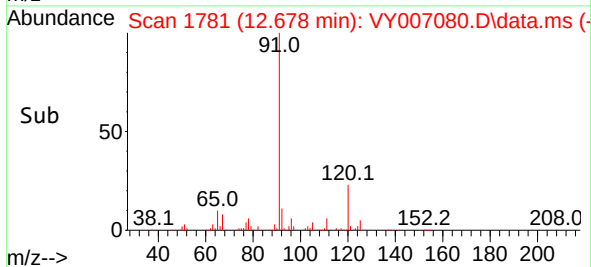
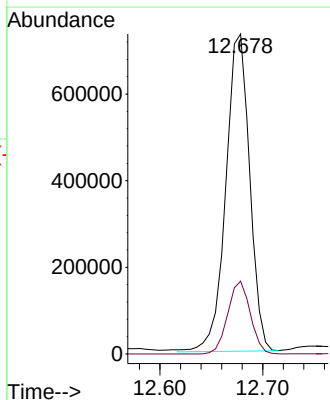
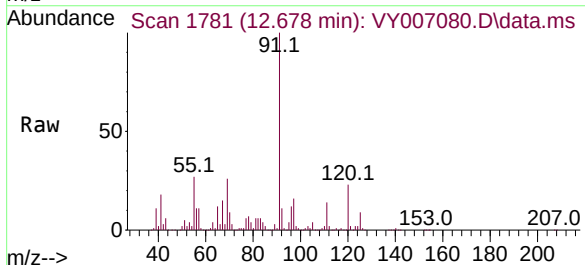
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

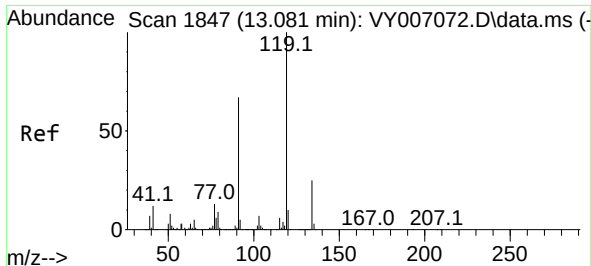
Tgt Ion:105 Resp: 582091  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.1 39.1



#78  
n-propylbenzene  
Concen: 115.174 ug/l  
RT: 12.678 min Scan# 1781  
Delta R.T. 0.006 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

Tgt Ion: 91 Resp: 1182865  
Ion Ratio Lower Upper  
91 100  
120 21.7 11.2 33.5

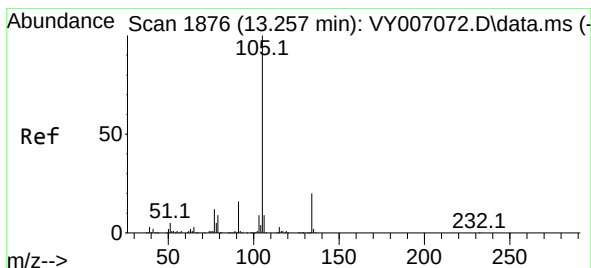
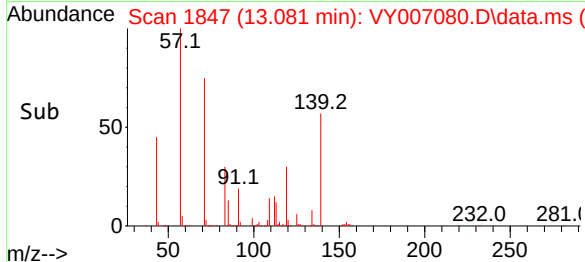
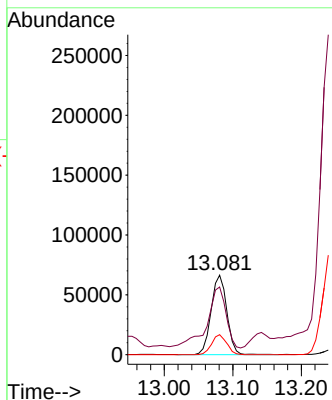
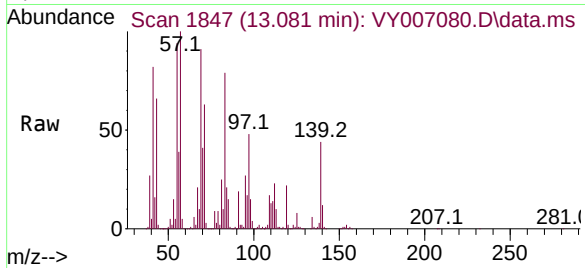




#83  
tert-Butylbenzene  
Concen: 17.312 ug/l  
RT: 13.081 min Scan# 1847  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

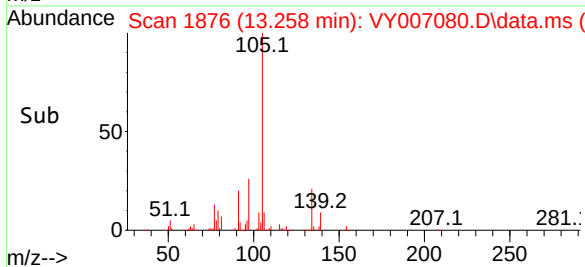
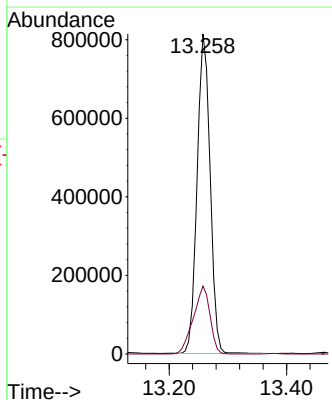
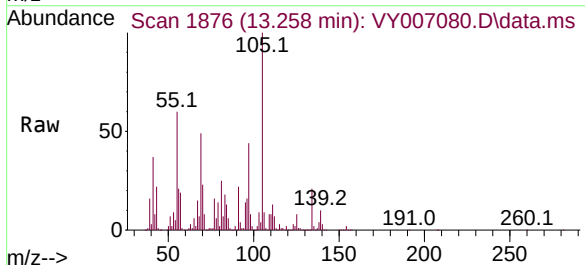
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

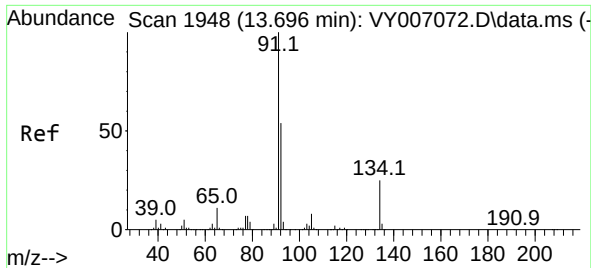
Tgt Ion:119 Resp: 105435  
Ion Ratio Lower Upper  
119 100  
91 94.0 33.1 99.5  
134 24.1 12.9 38.7



#85  
sec-Butylbenzene  
Concen: 140.213 ug/l  
RT: 13.258 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VY007080.D  
Acq: 08 Jan 2022 15:45

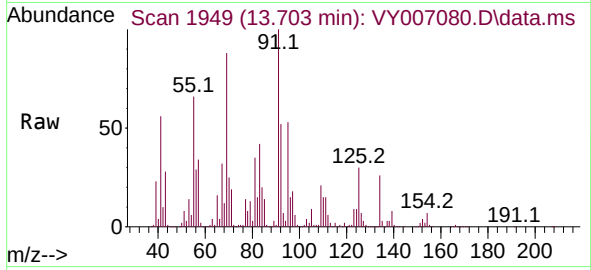
Tgt Ion:105 Resp: 1244368  
Ion Ratio Lower Upper  
105 100  
134 27.2 9.9 29.7





#89  
 n-Butylbenzene  
 Concen: 62.194 ug/l  
 RT: 13.703 min Scan# 1949  
 Delta R.T. 0.006 min  
 Lab File: VY007080.D  
 Acq: 08 Jan 2022 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-5-(9-9.5)-1-5-22



Tgt Ion: 91 Resp: 440754

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 51.0  | 26.9  | 80.6  |
| 134 | 30.2  | 12.6  | 37.6  |

