

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010622\  
 Data File : VY007033.D  
 Acq On : 06 Jan 2022 15:30  
 Operator : SY/MD  
 Sample : N1007-01  
 Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BARNUM-ST-SP

Quant Time: Jan 07 11:48:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 06 04:51:57 2022  
 Response via : Initial Calibration

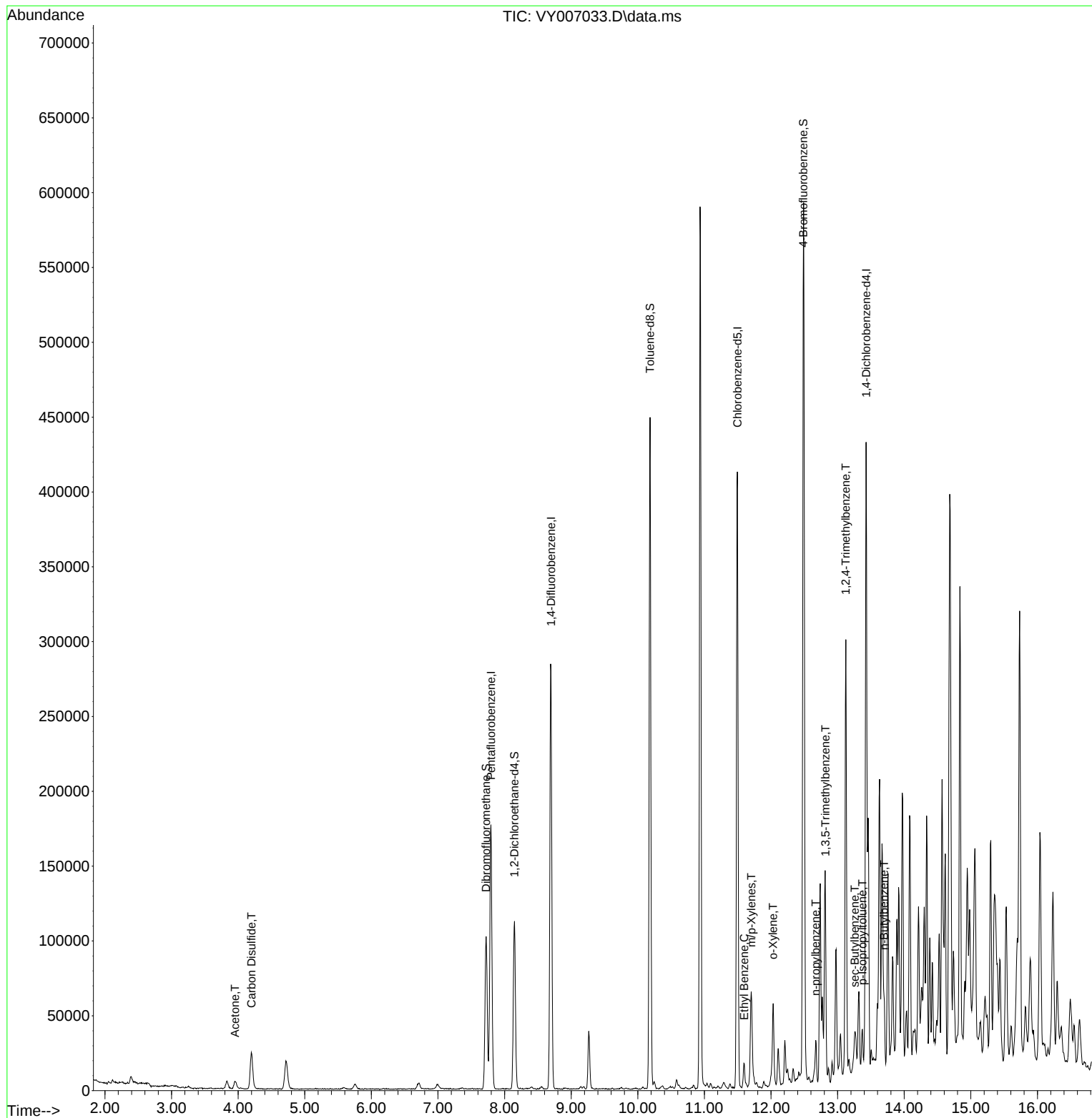
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 133803   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 250262   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117   | 229521   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152   | 102253   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 90076    | 57.031   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =      | 114.060% |
| 35) Dibromofluoromethane    | 7.722     | 113   | 74954    | 45.563   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =      | 91.120%  |
| 50) Toluene-d8              | 10.185    | 98    | 298982   | 48.916   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | =      | 97.840%  |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 111444   | 48.414   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | =      | 96.820%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954     | 43    | 10410    | 29.916   | ug/l   | 97       |
| 17) Carbon Disulfide        | 4.198     | 76    | 51270    | 10.732   | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.599    | 91    | 10412    | 1.083    | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.703    | 106   | 18102    | 4.944    | ug/l   | 98       |
| 69) o-Xylene                | 12.032    | 106   | 13294    | 3.871    | ug/l   | 91       |
| 78) n-propylbenzene         | 12.672    | 91    | 20596    | 1.863    | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.818    | 105   | 46226    | 6.157    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.123    | 105   | 159779   | 21.628   | ug/l   | 99       |
| 85) sec-Butylbenzene        | 13.257    | 105   | 14138    | 1.466    | ug/l   | 86       |
| 86) p-Isopropyltoluene      | 13.373    | 119   | 11144    | 1.405    | ug/l   | 99       |
| 89) n-Butylbenzene          | 13.696    | 91    | 23470    | 3.066    | ug/l # | 80       |
| -----                       |           |       |          |          |        |          |

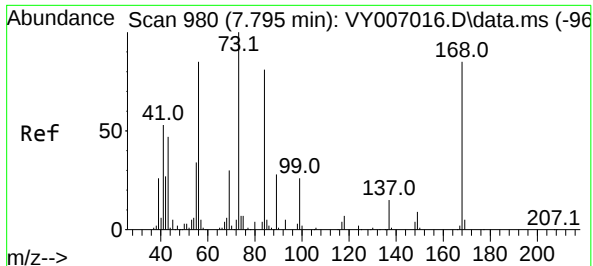
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010622\  
Data File : VY007033.D  
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Sample : N1007-01  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BARNUM-ST-SP

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 06 04:51:57 2022  
Response via : Initial Calibration

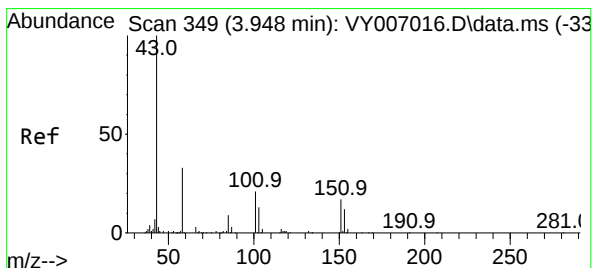
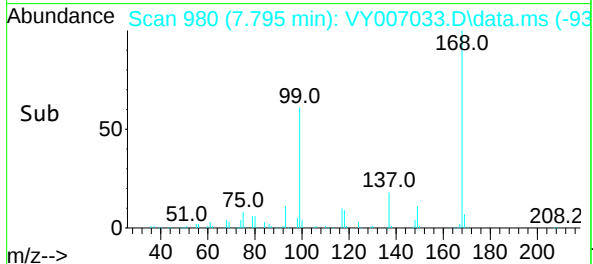
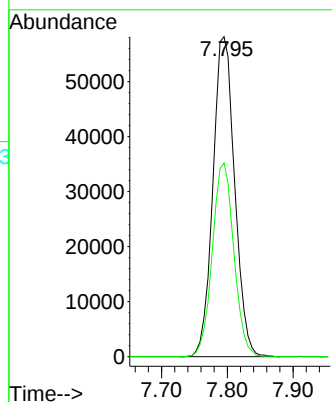
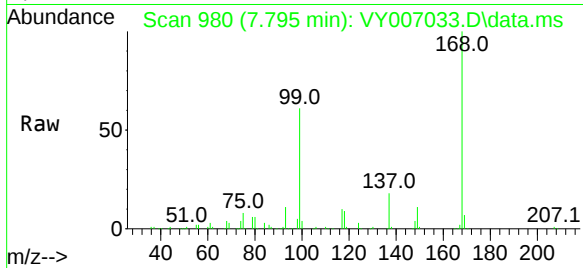




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

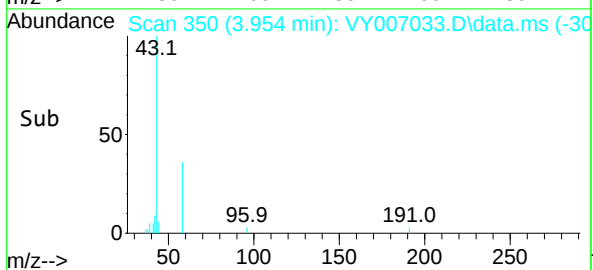
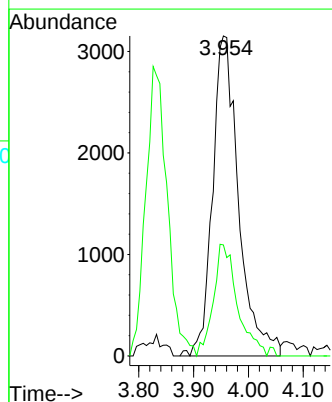
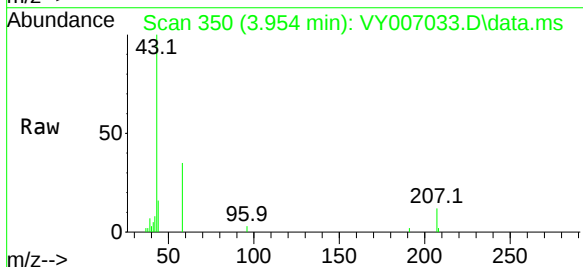
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BARNUM-ST-SP

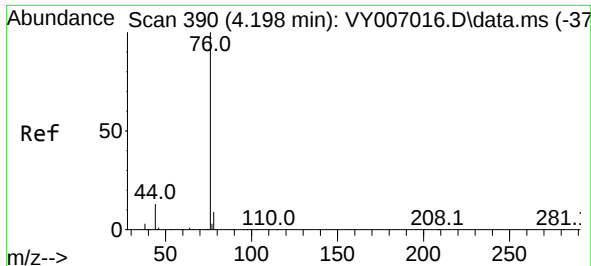
Tgt Ion:168 Resp: 133803  
Ion Ratio Lower Upper  
168 100  
99 60.5 48.9 73.3



#16  
Acetone  
Concen: 29.916 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion: 43 Resp: 10410  
Ion Ratio Lower Upper  
43 100  
58 34.7 26.3 39.5

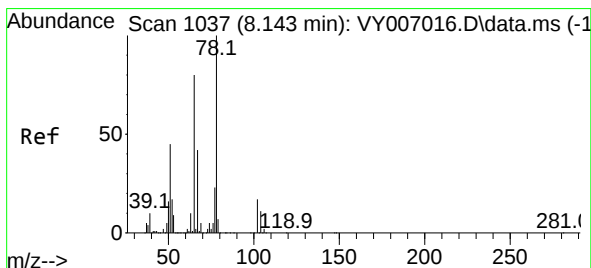
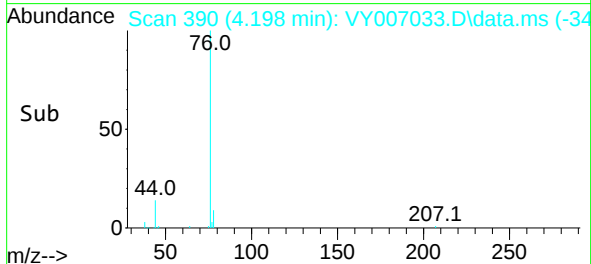
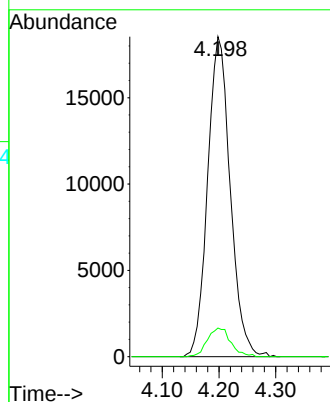
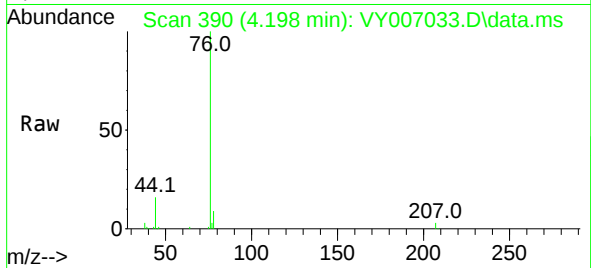




#17  
Carbon Disulfide  
Concen: 10.732 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

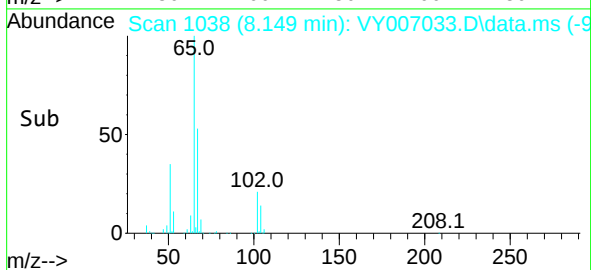
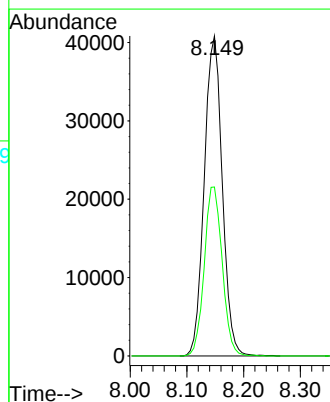
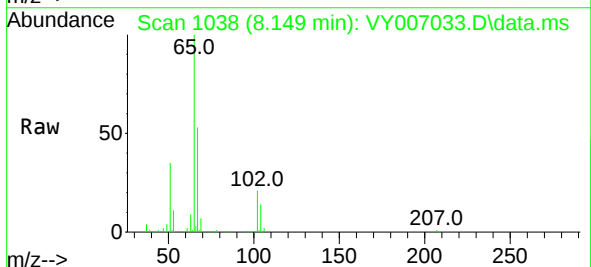
Instrument :  
MSVOA\_Y  
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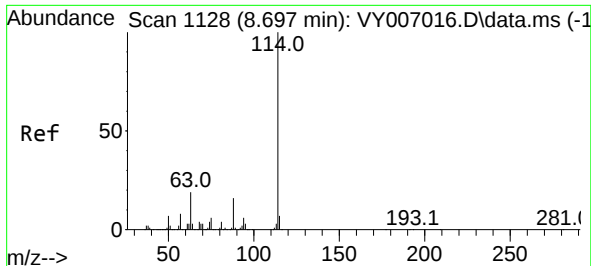
Tgt Ion: 76 Resp: 51270  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.5 11.3



#33  
1,2-Dichloroethane-d4  
Concen: 57.031 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion: 65 Resp: 90076  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY007033.D

Acq: 06 Jan 2022 15:30

Instrument :

MSVOA\_Y

ClientSampleId :

BARNUM-ST-SP

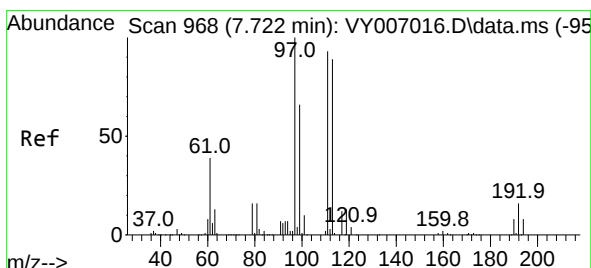
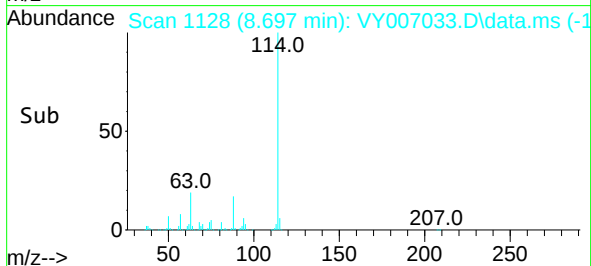
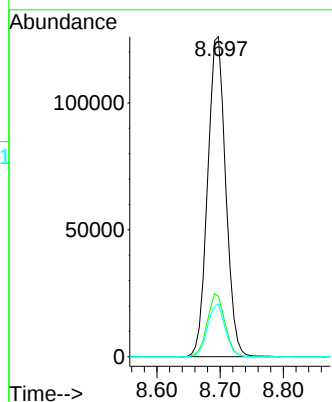
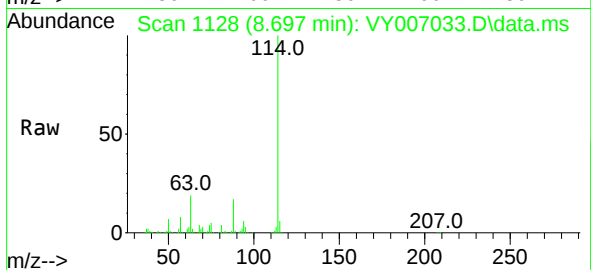
Tgt Ion:114 Resp: 250262

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 16.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.563 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007033.D

Acq: 06 Jan 2022 15:30

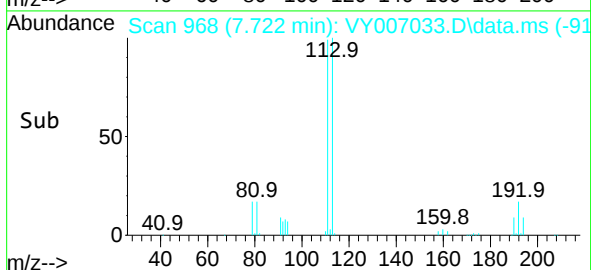
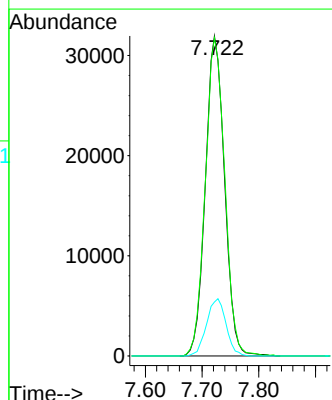
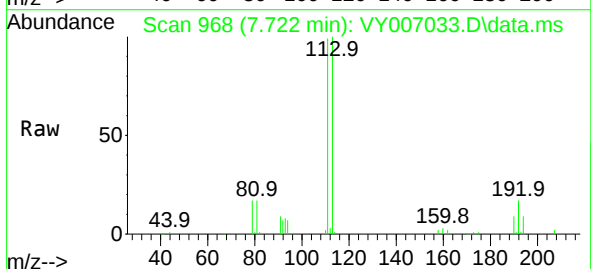
Tgt Ion:113 Resp: 74954

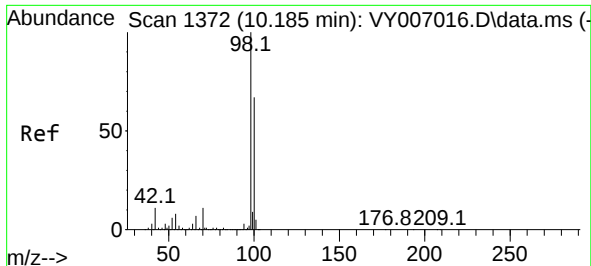
Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

192 18.2 14.6 21.8

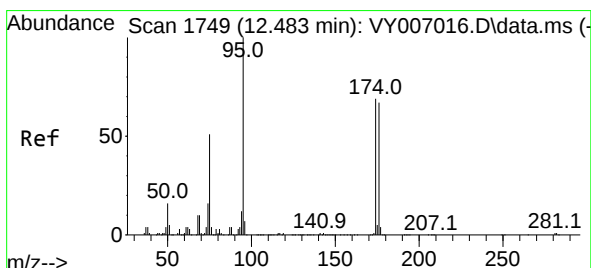
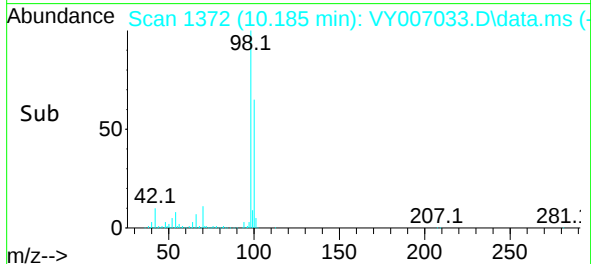
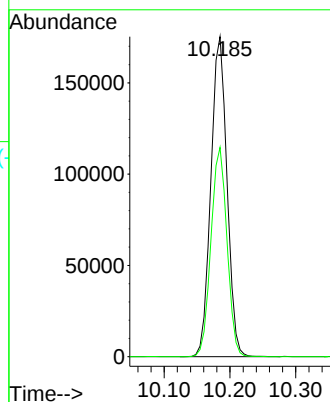
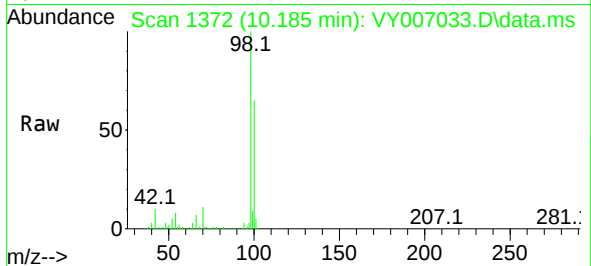




#50  
Toluene-d8  
Concen: 48.916 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

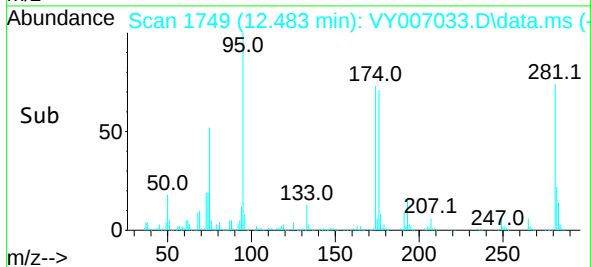
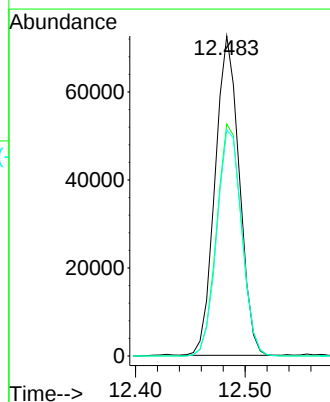
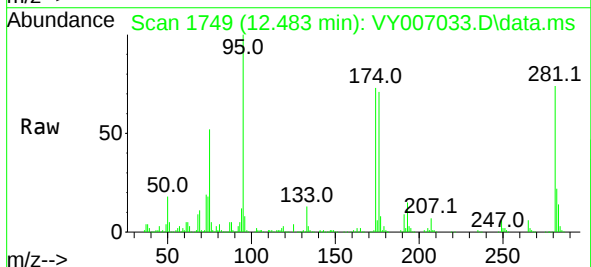
Instrument :  
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BARNUM-ST-SP

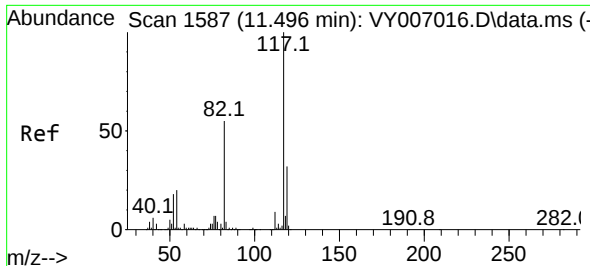
Tgt Ion: 98 Resp: 298982  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 48.414 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion: 95 Resp: 111444  
Ion Ratio Lower Upper  
95 100  
174 74.3 0.0 144.6  
176 73.1 0.0 141.0

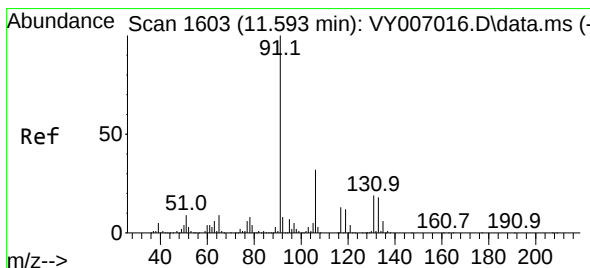
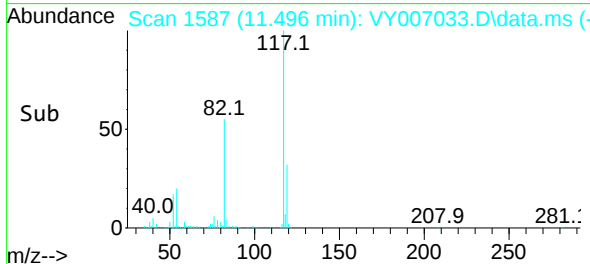
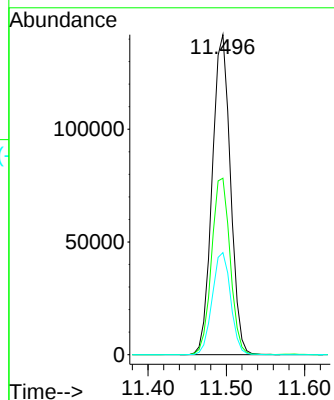
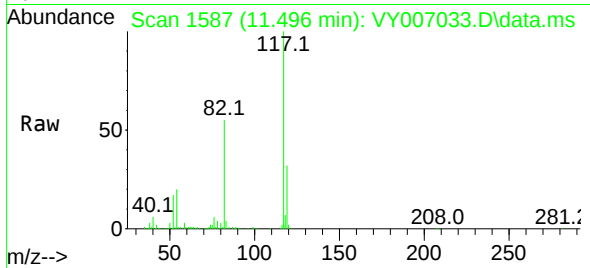




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

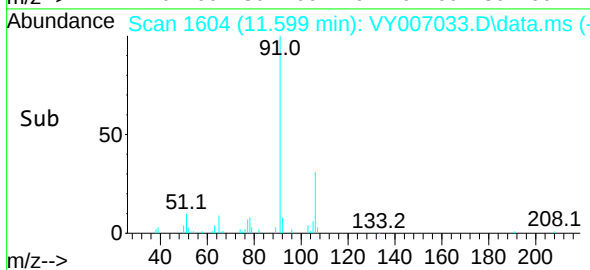
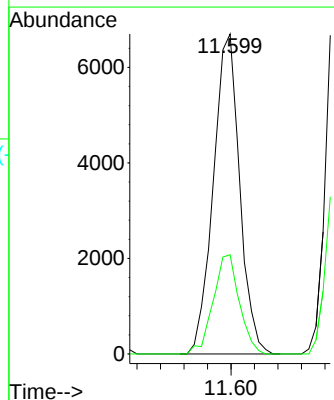
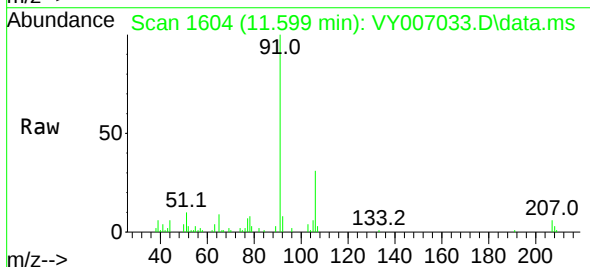
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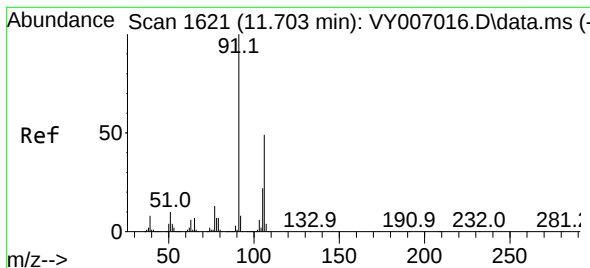
Tgt Ion:117 Resp: 229521  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.1 66.1  
119 31.9 25.3 37.9



#67  
Ethyl Benzene  
Concen: 1.083 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.006 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion: 91 Resp: 10412  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.2 37.8

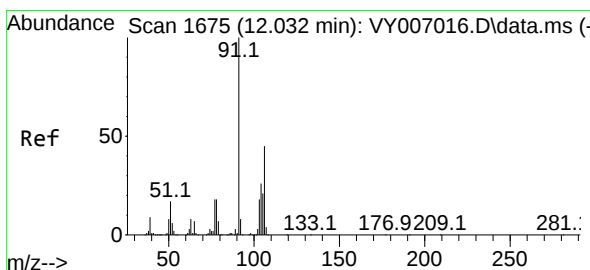
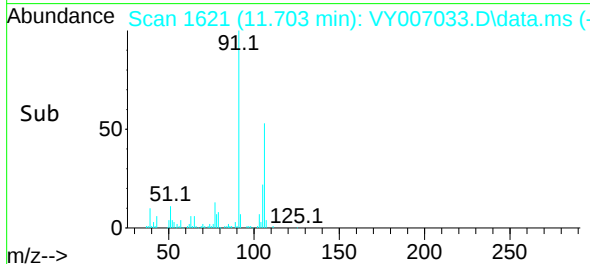
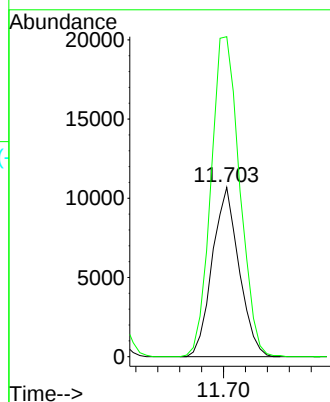
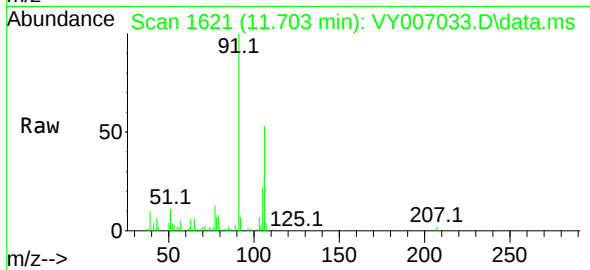




#68  
m/p-Xylenes  
Concen: 4.944 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

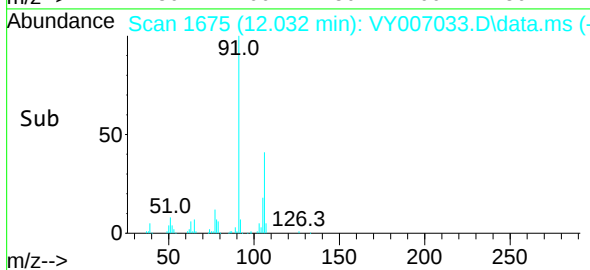
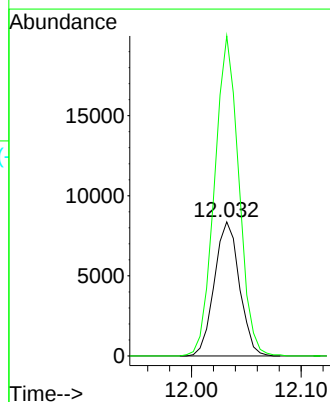
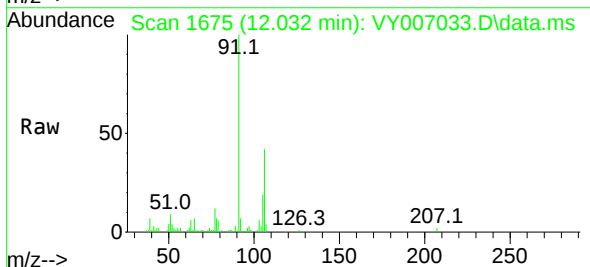
Instrument :  
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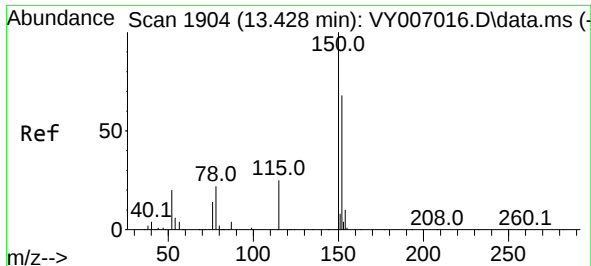
Tgt Ion:106 Resp: 18102  
Ion Ratio Lower Upper  
106 100  
91 203.1 165.3 247.9



#69  
o-Xylene  
Concen: 3.871 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion:106 Resp: 13294  
Ion Ratio Lower Upper  
106 100  
91 231.6 108.3 324.8

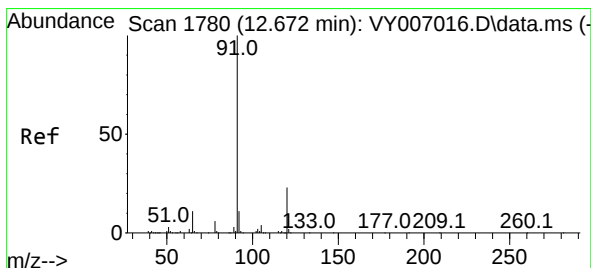
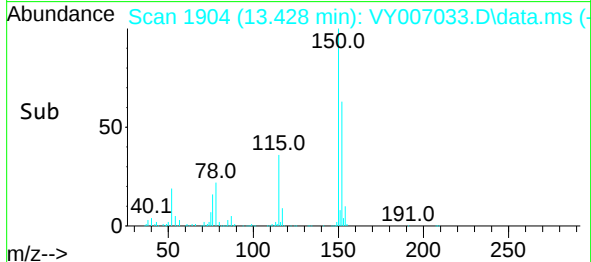
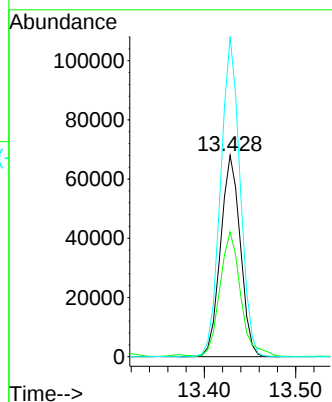
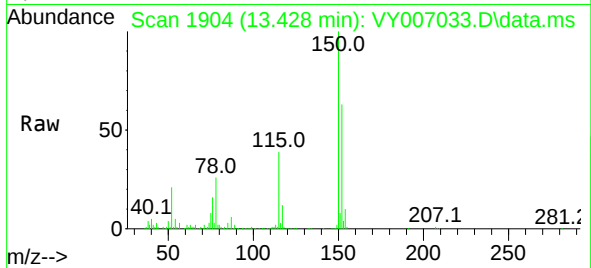




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

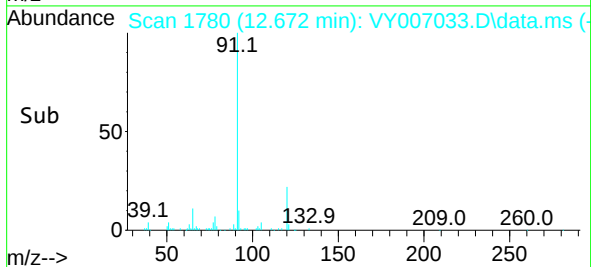
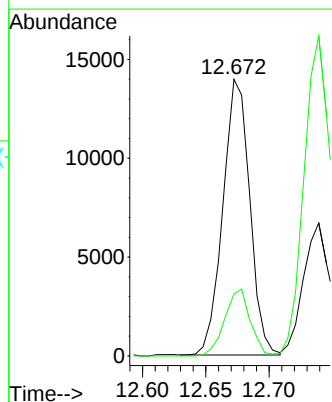
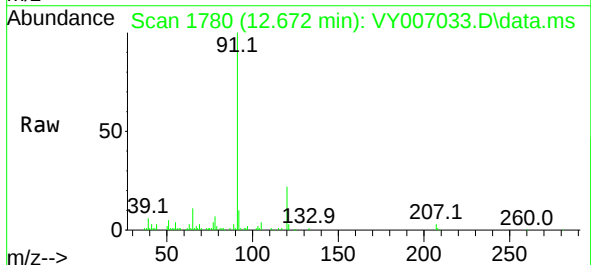
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ClientSampleId :  
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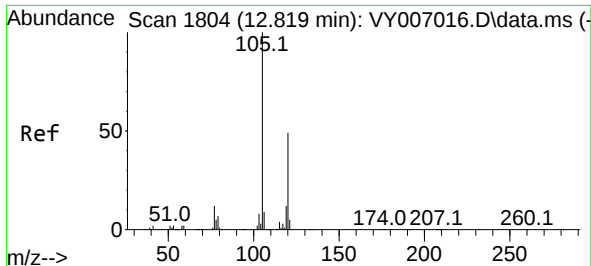
Tgt Ion:152 Resp: 102253  
Ion Ratio Lower Upper  
152 100  
115 65.3 31.9 95.5  
150 156.2 0.0 358.0



#78  
n-propylbenzene  
Concen: 1.863 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY007033.D  
Acq: 06 Jan 2022 15:30

Tgt Ion: 91 Resp: 20596  
Ion Ratio Lower Upper  
91 100  
120 23.1 11.6 34.8

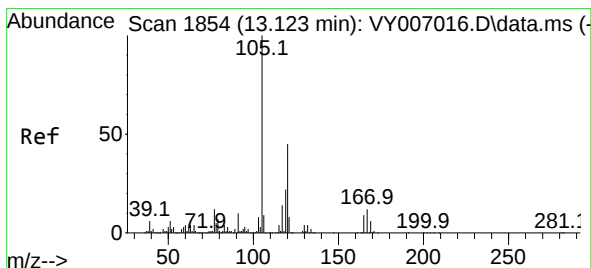
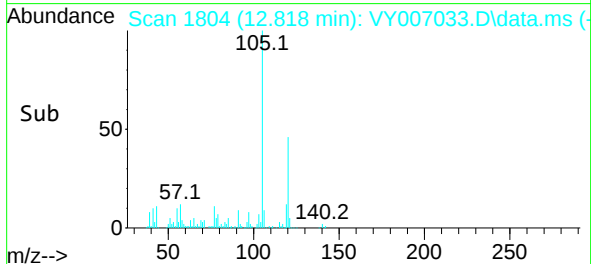
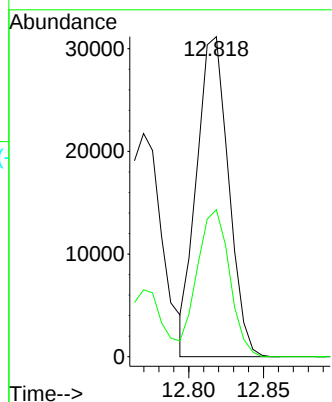
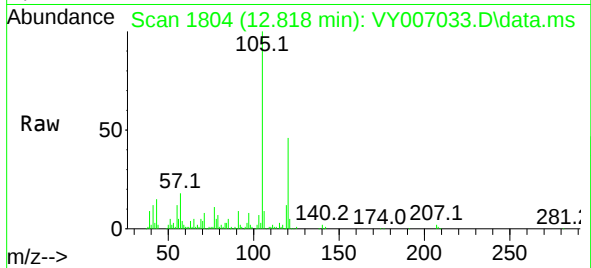




#80  
 1,3,5-Trimethylbenzene  
 Concen: 6.157 ug/l  
 RT: 12.818 min Scan# 1804  
 Delta R.T. -0.000 min  
 Lab File: VY007033.D  
 Acq: 06 Jan 2022 15:30

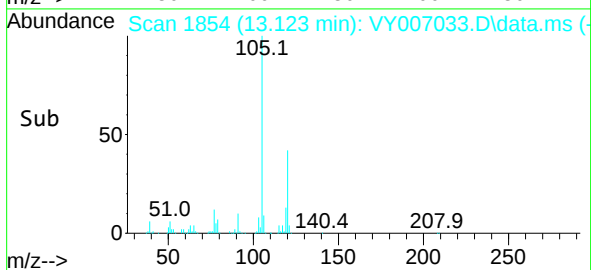
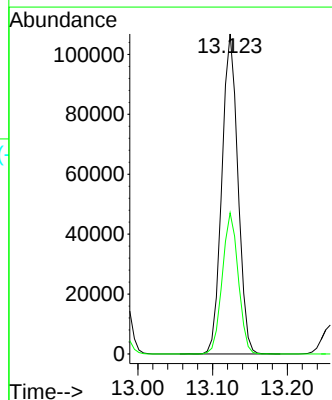
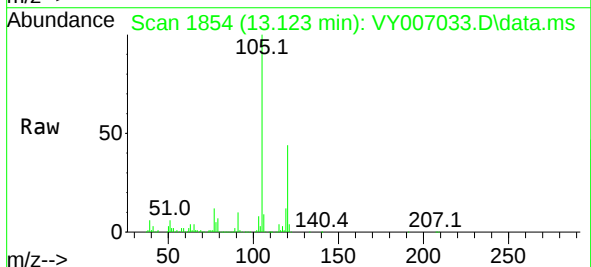
Instrument :  
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 ClientSampleId :  
 BARNUM-ST-SP

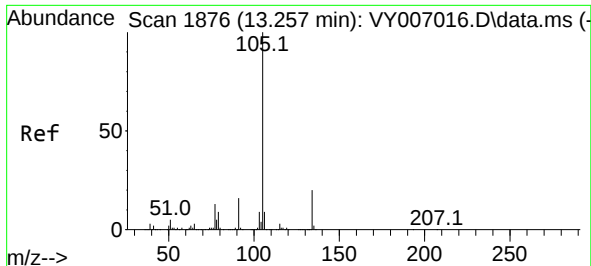
Tgt Ion:105 Resp: 46226  
 Ion Ratio Lower Upper  
 105 100  
 120 46.6 24.1 72.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.628 ug/l  
 RT: 13.123 min Scan# 1854  
 Delta R.T. -0.000 min  
 Lab File: VY007033.D  
 Acq: 06 Jan 2022 15:30

Tgt Ion:105 Resp: 159779  
 Ion Ratio Lower Upper  
 105 100  
 120 43.8 22.1 66.5

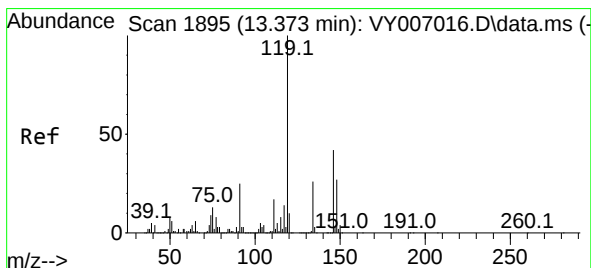
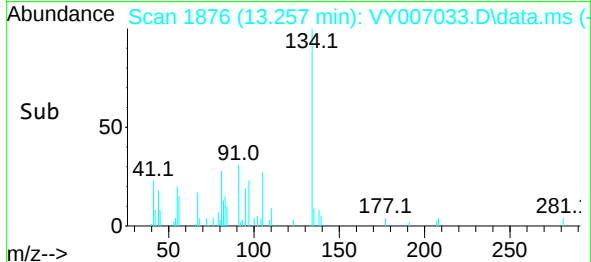
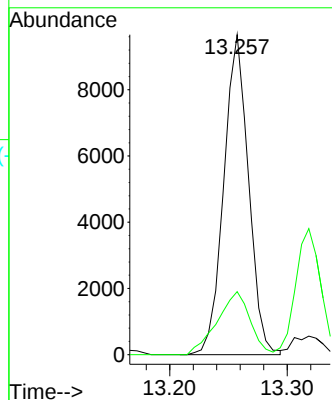
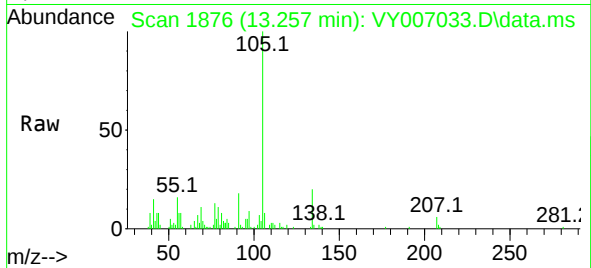




#85  
 sec-Butylbenzene  
 Concen: 1.466 ug/l  
 RT: 13.257 min Scan# 1876  
 Delta R.T. -0.000 min  
 Lab File: VY007033.D  
 Acq: 06 Jan 2022 15:30

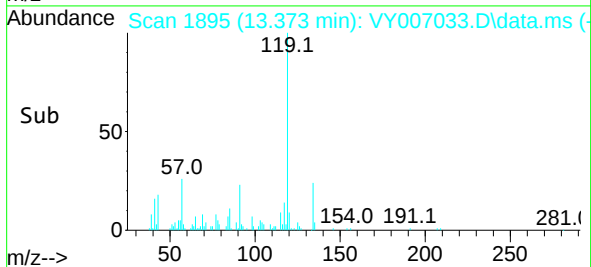
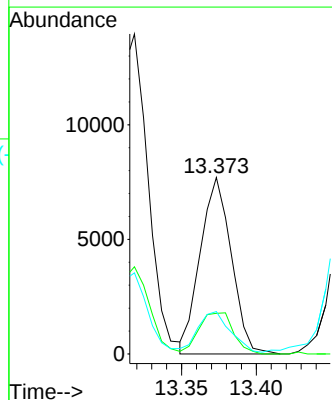
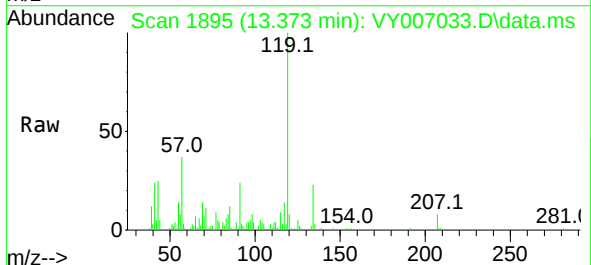
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BARNUM-ST-SP

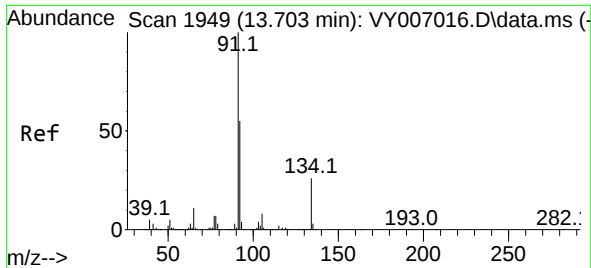
Tgt Ion:105 Resp: 14138  
 Ion Ratio Lower Upper  
 105 100  
 134 26.2 10.0 29.8



#86  
 p-Isopropyltoluene  
 Concen: 1.405 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. -0.000 min  
 Lab File: VY007033.D  
 Acq: 06 Jan 2022 15:30

Tgt Ion:119 Resp: 11144  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.0 38.9  
 91 23.9 12.4 37.2





#89

n-Butylbenzene

Concen: 3.066 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY007033.D

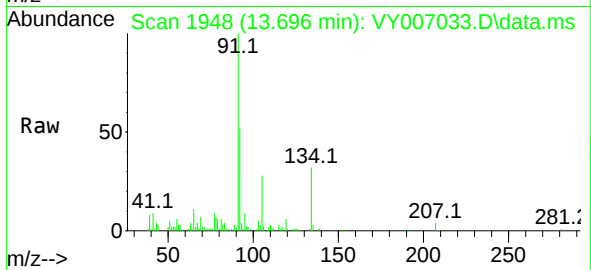
Acq: 06 Jan 2022 15:30

Instrument :

MSVOA\_Y

ClientSampleId :

BARNUM-ST-SP



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 23470 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 58.0  | 27.1  | 81.3  |
| 134      | 0.0   | 12.9  | 38.7# |

