

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011822\  
 Data File : VY007212.D  
 Acq On : 18 Jan 2022 17:01  
 Operator : SY/MD  
 Sample : N1172-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EME-TS-3

Quant Time: Jan 19 00:32:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

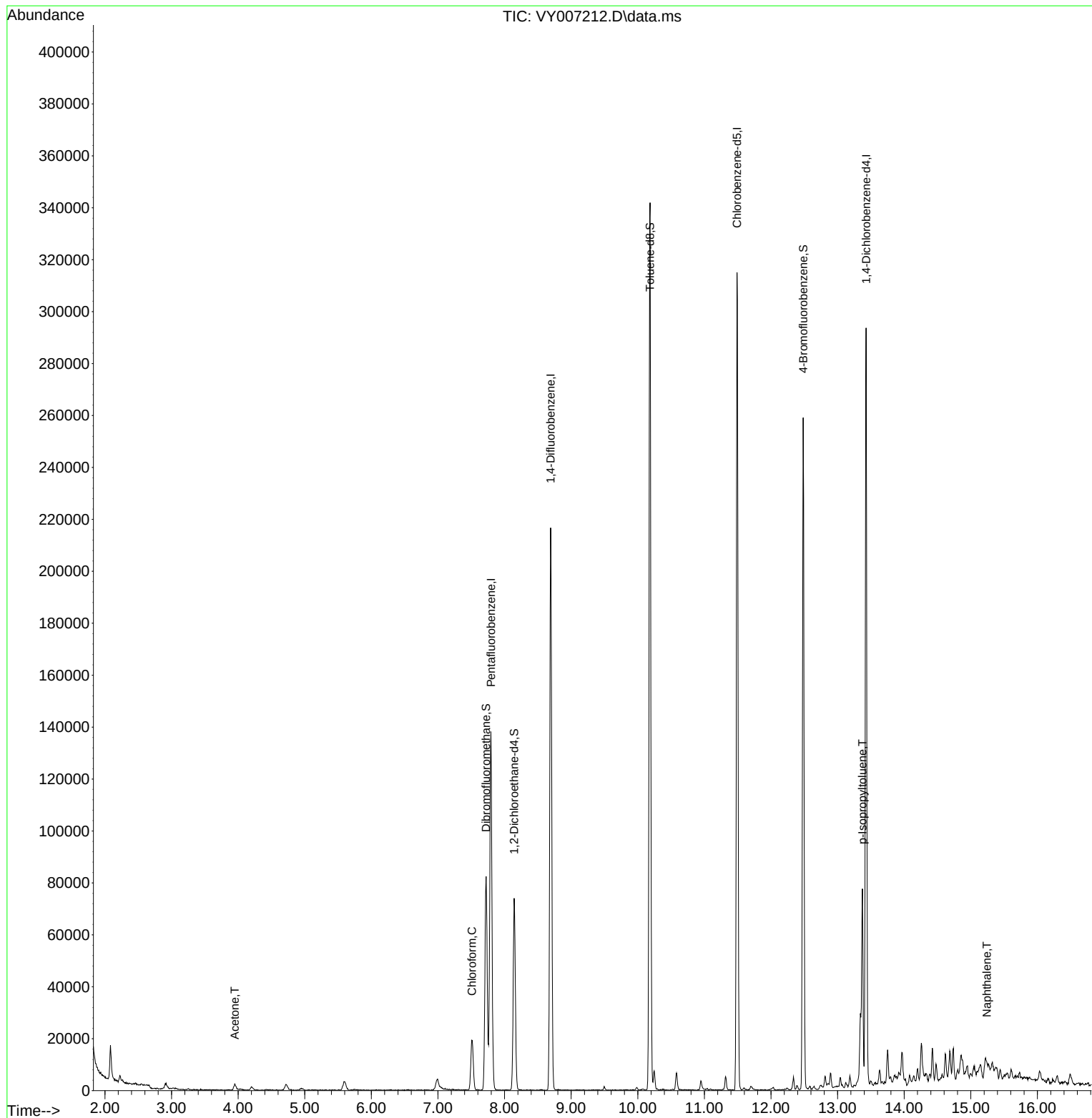
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 101693   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 184822   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 166649   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 67752    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 59304    | 47.527   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 95.060%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 59812    | 47.860   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 95.720%  |
| 50) Toluene-d8              | 10.185 | 98    | 225948   | 49.480   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 98.960%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 76006    | 46.791   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 93.580%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.948  | 43    | 4077     | 12.590   | ug/l   | 99       |
| 30) Chloroform              | 7.509  | 83    | 20408    | 8.638    | ug/l   | 98       |
| 86) p-Isopropyltoluene      | 13.373 | 119   | 38595    | 7.561    | ug/l   | 95       |
| 95) Naphthalene             | 15.239 | 128   | 5138     | 1.794    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

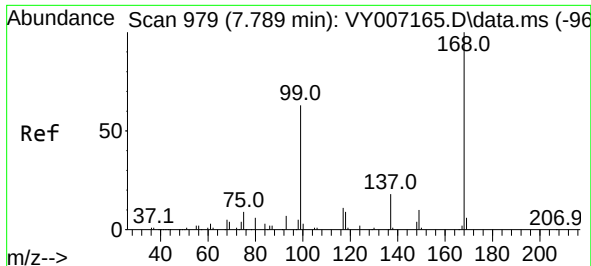
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011822\  
Data File : VY007212.D  
Acq On : 18 Jan 2022 17:01  
Operator : SY/MD  
Sample : N1172-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EME-TS-3

Quant Time: Jan 19 00:32:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

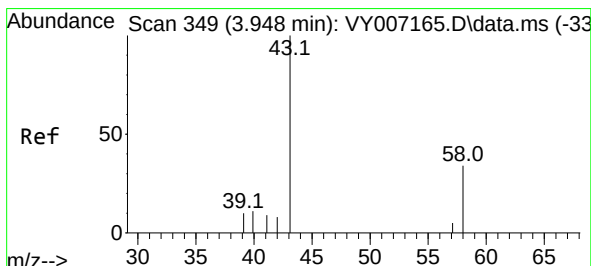
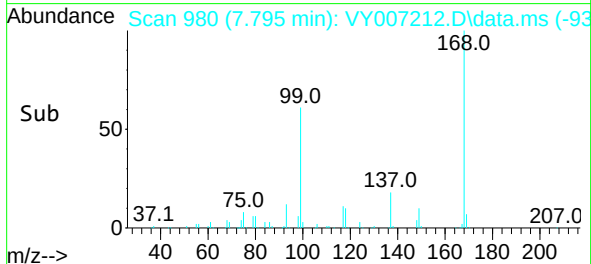
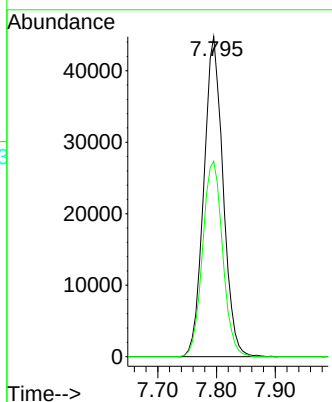
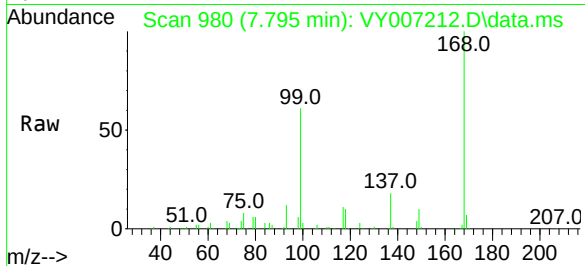




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

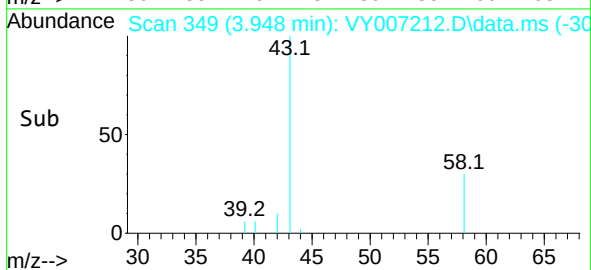
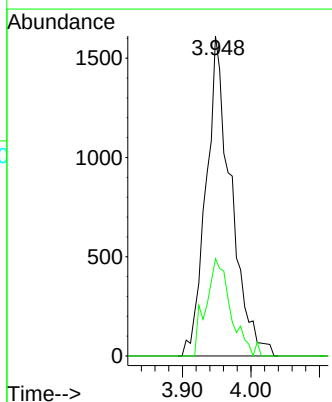
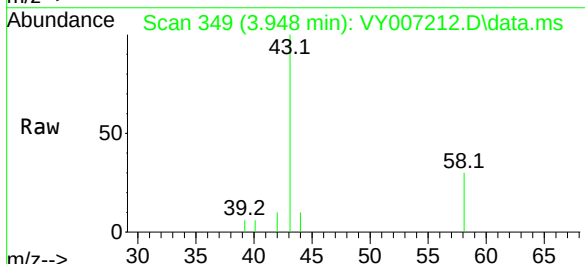
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EME-TS-3

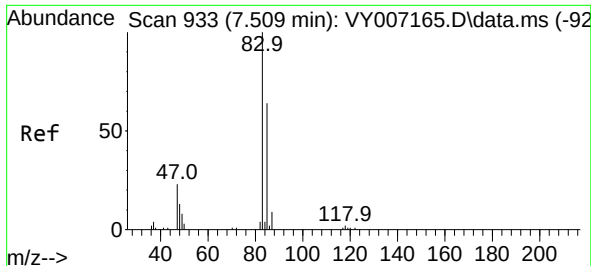
Tgt Ion:168 Resp: 101693  
Ion Ratio Lower Upper  
168 100  
99 61.1 49.1 73.7



#16  
Acetone  
Concen: 12.590 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

Tgt Ion: 43 Resp: 4077  
Ion Ratio Lower Upper  
43 100  
58 30.4 23.8 35.6

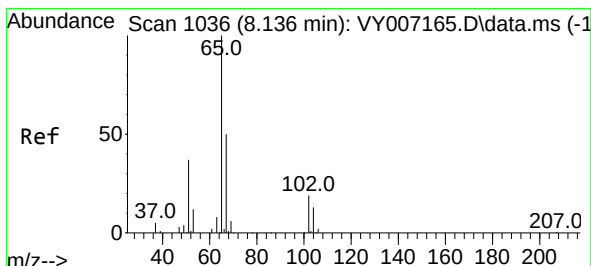
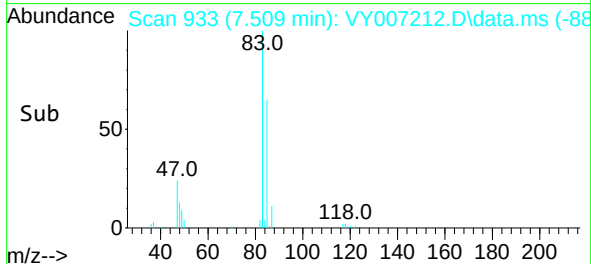
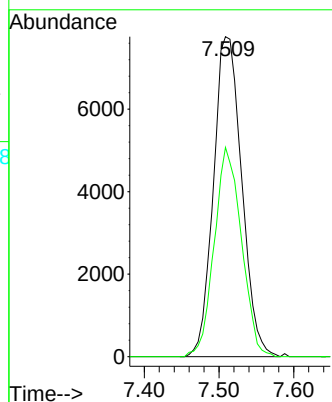
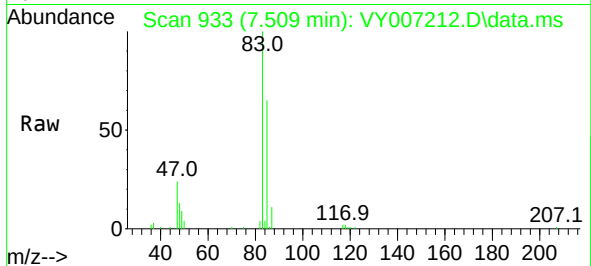




#30  
Chloroform  
Concen: 8.638 ug/l  
RT: 7.509 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

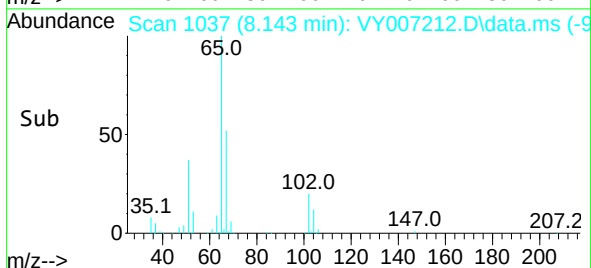
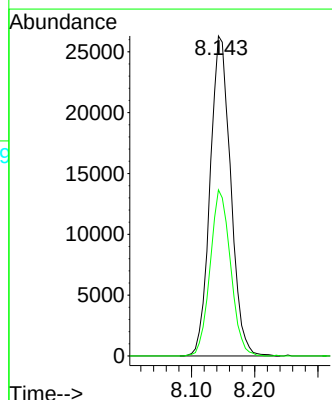
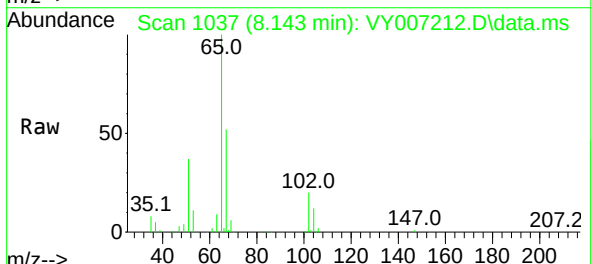
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EME-TS-3

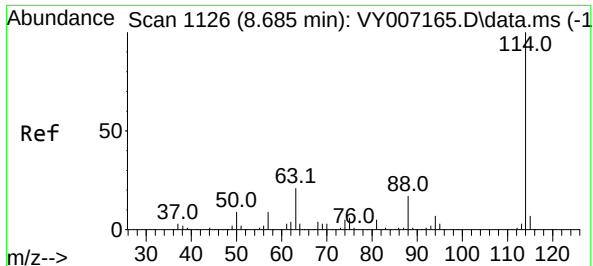
Tgt Ion: 83 Resp: 20408  
Ion Ratio Lower Upper  
83 100  
85 65.4 50.9 76.3



#33  
1,2-Dichloroethane-d4  
Concen: 47.527 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

Tgt Ion: 65 Resp: 59304  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.001 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

EME-TS-3

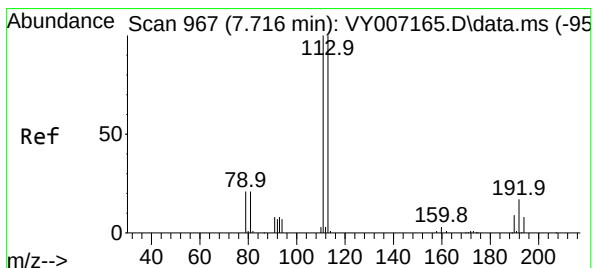
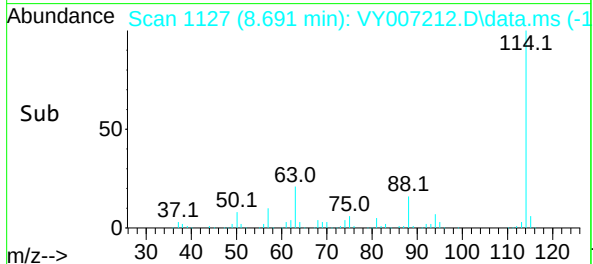
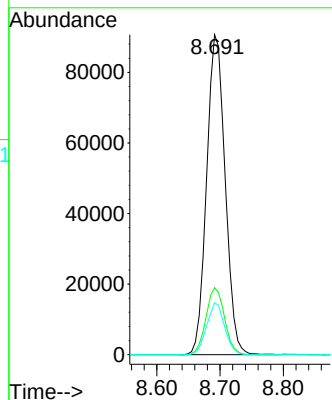
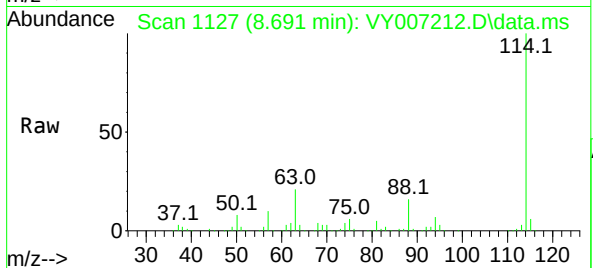
Tgt Ion:114 Resp: 184822

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.2

88 16.2 0.0 31.0



#35

Dibromofluoromethane

Concen: 47.860 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

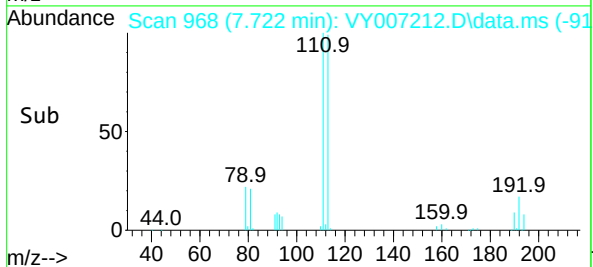
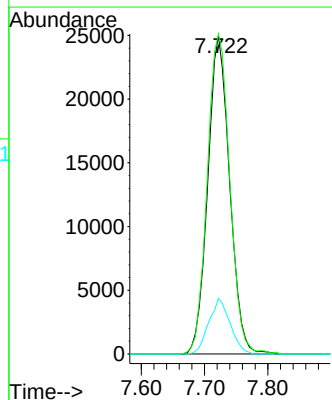
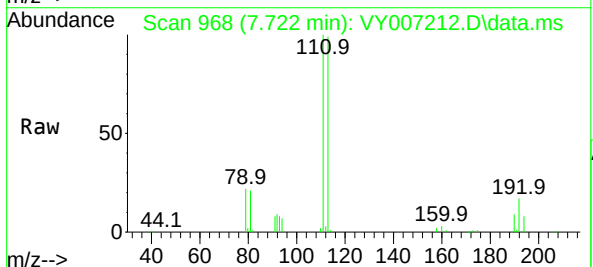
Tgt Ion:113 Resp: 59812

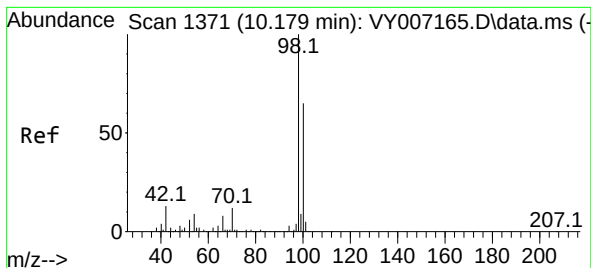
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 17.1 14.2 21.4

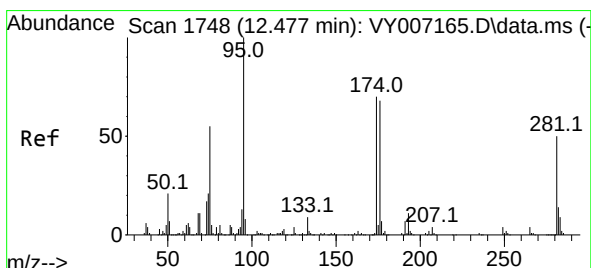
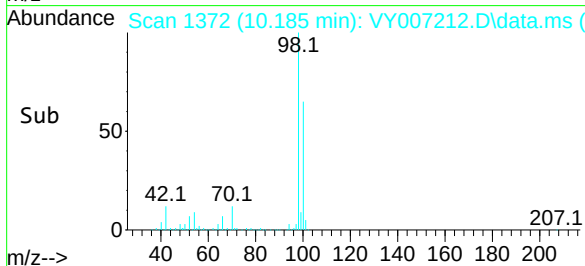
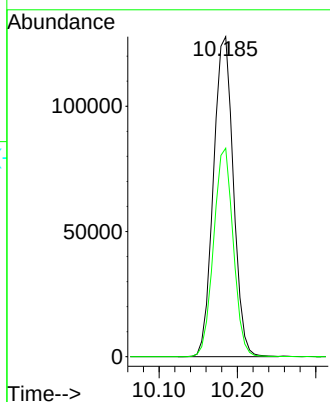
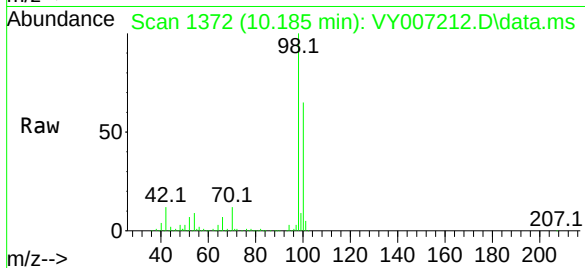




#50  
Toluene-d8  
Concen: 49.480 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

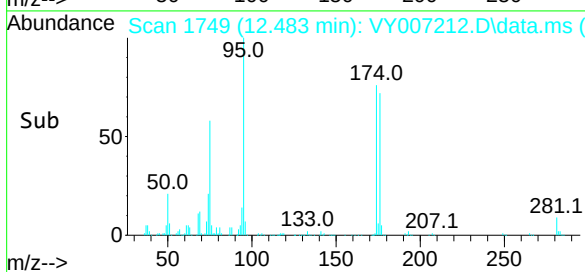
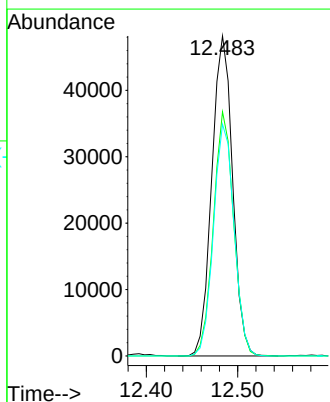
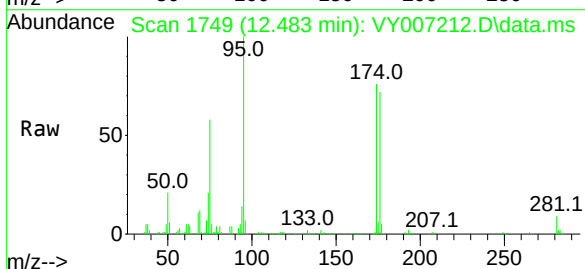
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EME-TS-3

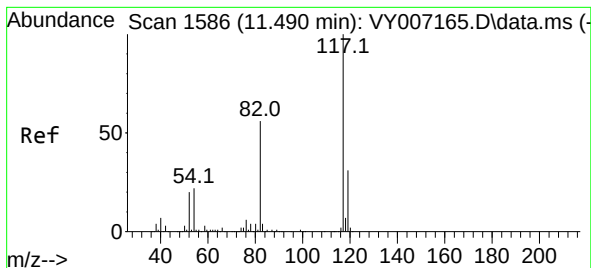
Tgt Ion: 98 Resp: 225948  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 46.791 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.001 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

Tgt Ion: 95 Resp: 76006  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 148.4  
176 71.9 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

EME-TS-3

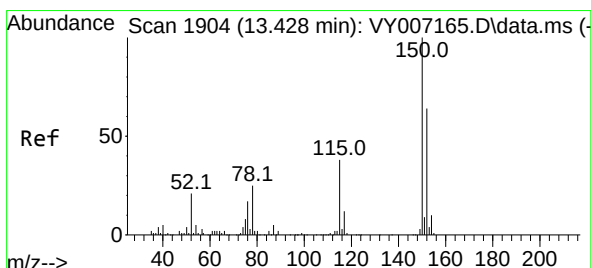
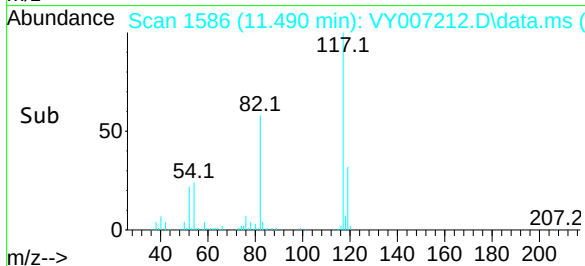
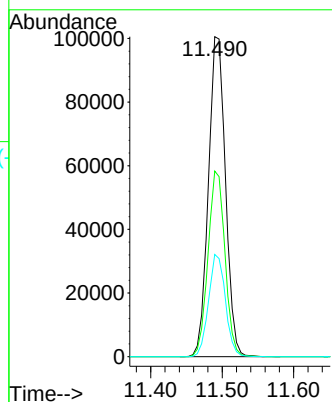
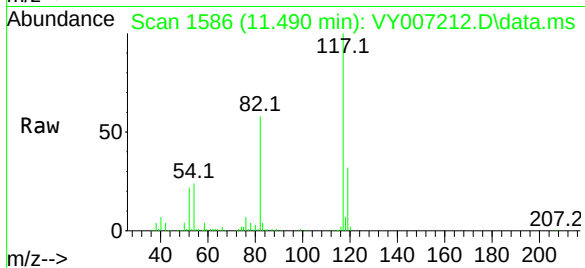
Tgt Ion:117 Resp: 166649

Ion Ratio Lower Upper

117 100

82 58.0 45.4 68.0

119 31.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.001 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

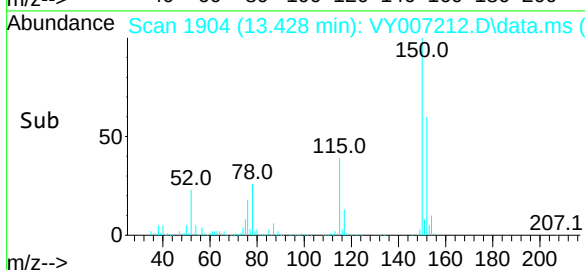
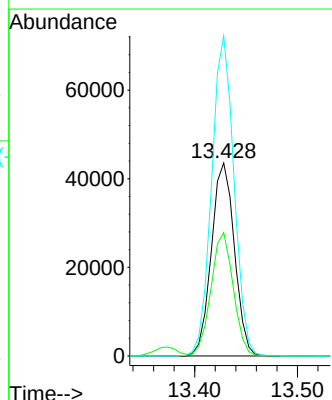
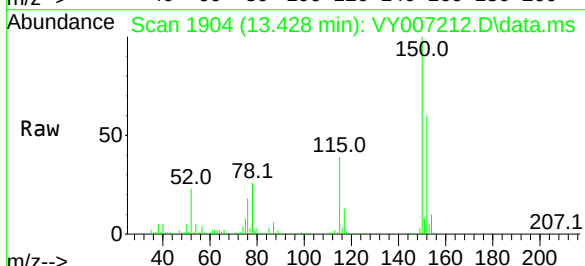
Tgt Ion:152 Resp: 67752

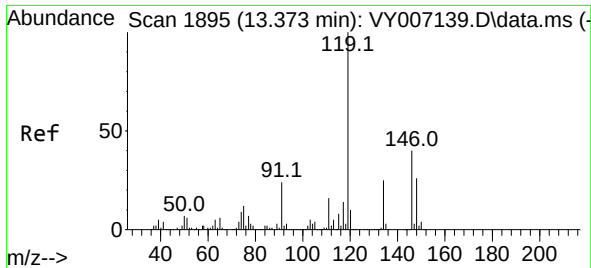
Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.0

150 160.9 0.0 348.4

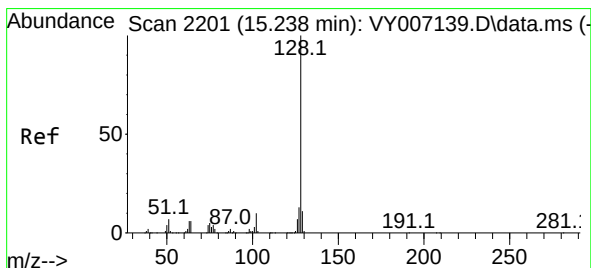
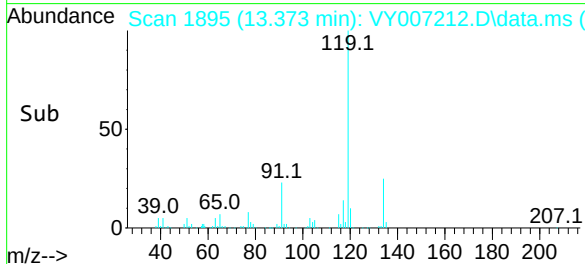
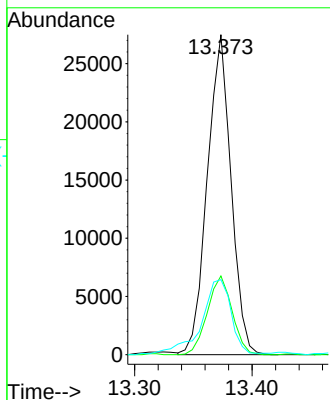
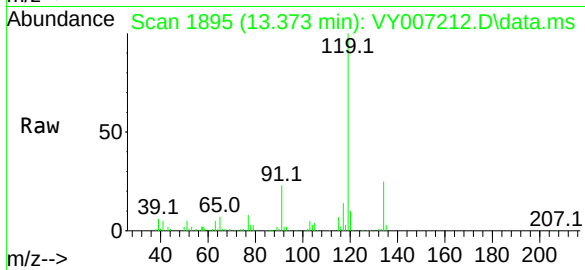




#86  
p-Isopropyltoluene  
Concen: 7.561 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. 0.001 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EME-TS-3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 38595 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 25.6  | 12.9  | 38.7  |
| 91        | 29.9  | 12.4  | 37.2  |



#95  
Naphthalene  
Concen: 1.794 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.001 min  
Lab File: VY007212.D  
Acq: 18 Jan 2022 17:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 5138 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 13.4  | 10.3  | 15.5 |
| 129       | 9.7   | 8.9   | 13.3 |

