

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110221\  
 Data File : VY006581.D  
 Acq On : 02 Nov 2021 17:01  
 Operator : SY/MD  
 Sample : M4424-10  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T3-EP02-NE

Quant Time: Nov 03 02:02:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

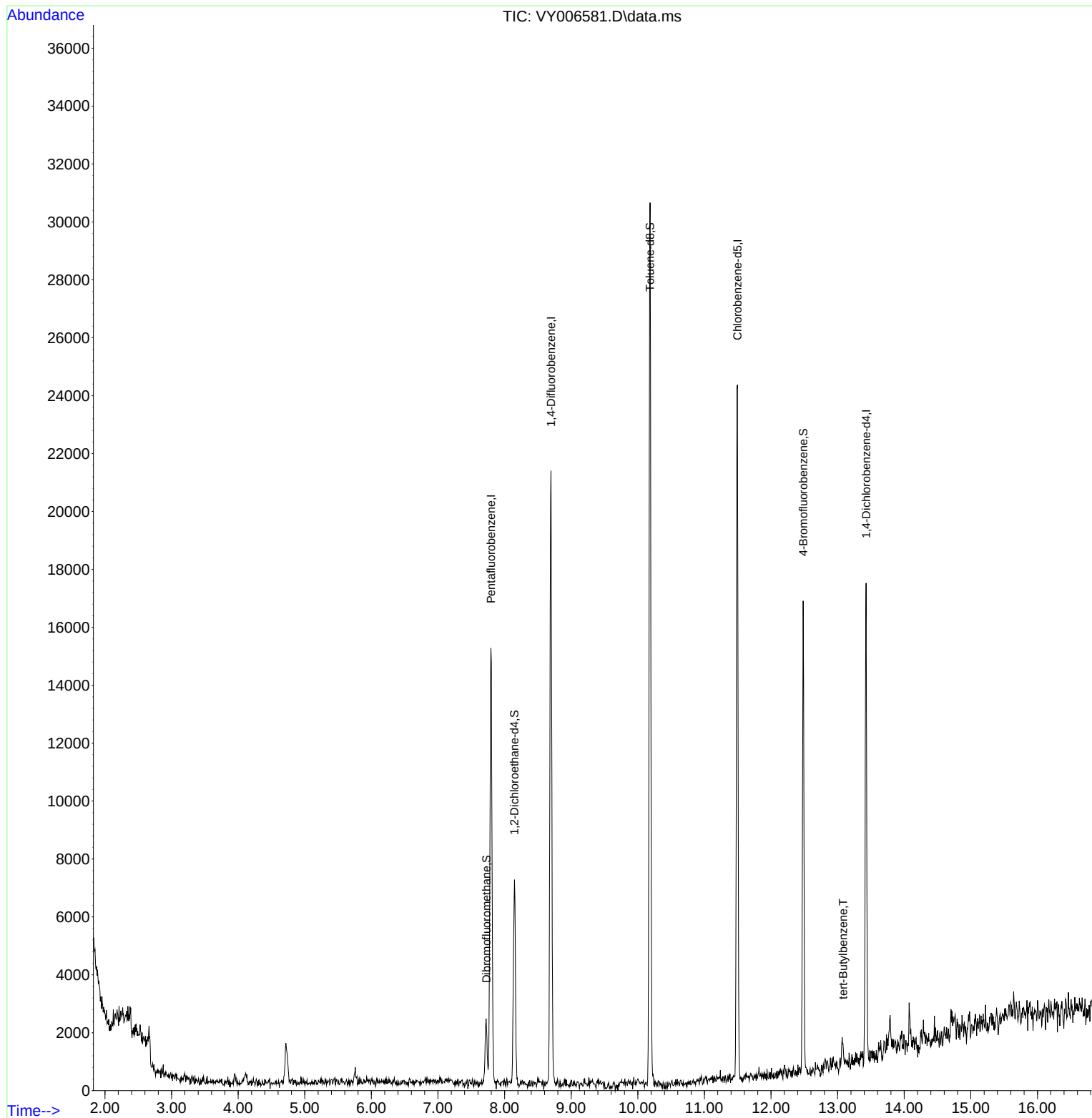
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.795  | 168   | 12122    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 17528    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 12375    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 3579     | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 5768     | 38.668   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 77.340%   |
| 35) Dibromofluoromethane    | 7.728  | 113   | 1562     | 15.988   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 31.980%#  |
| 50) Toluene-d8              | 10.185 | 98    | 20210    | 48.799   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 97.600%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 4585     | 32.865   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 65.740%   |
| Target Compounds            |        |       |          |          |       |           |
| 83) tert-Butylbenzene       | 13.081 | 119   | 479      | 2.659    | ug/l  | Qvalue 95 |
| -----                       |        |       |          |          |       |           |

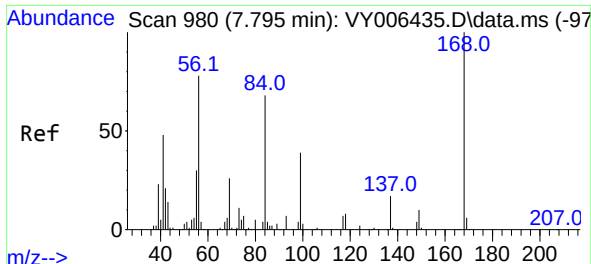
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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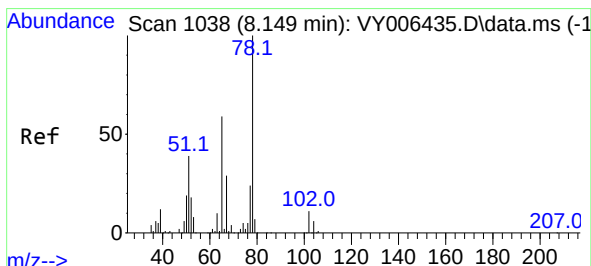
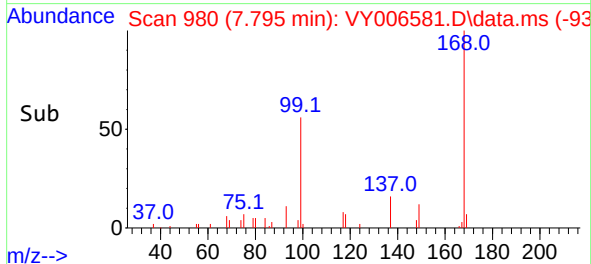
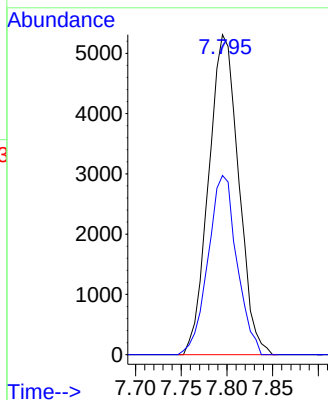
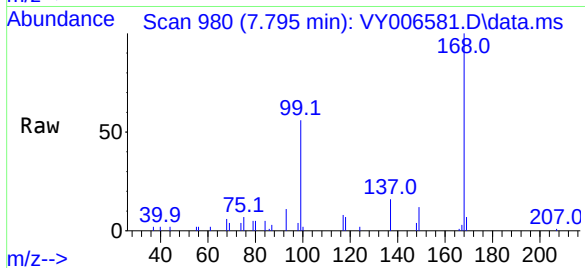




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

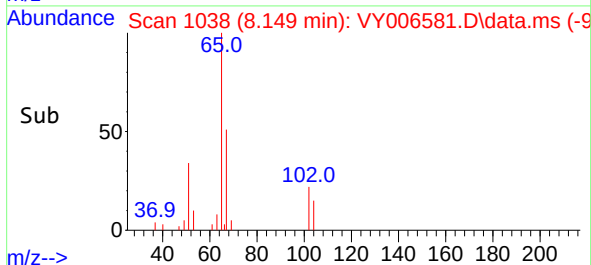
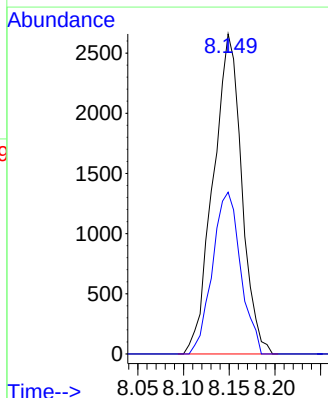
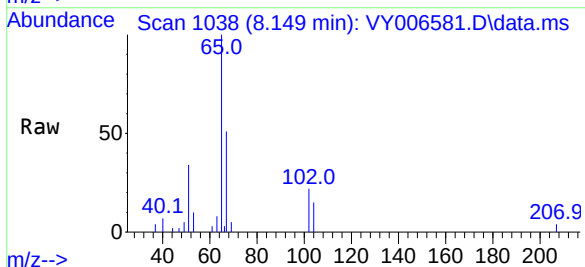
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T3-EP02-NE

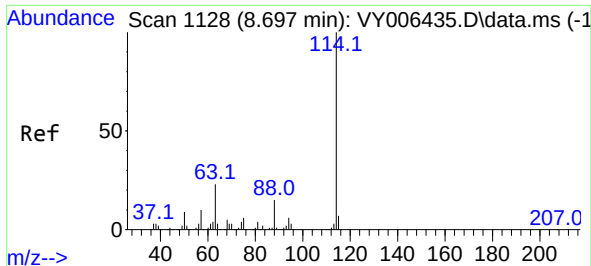
Tgt Ion:168 Resp: 12122  
Ion Ratio Lower Upper  
168 100  
99 56.0 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 38.668 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

Tgt Ion: 65 Resp: 5768  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006581.D

Acq: 02 Nov 2021 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

T3-EP02-NE

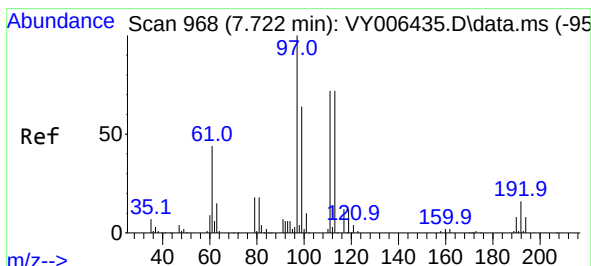
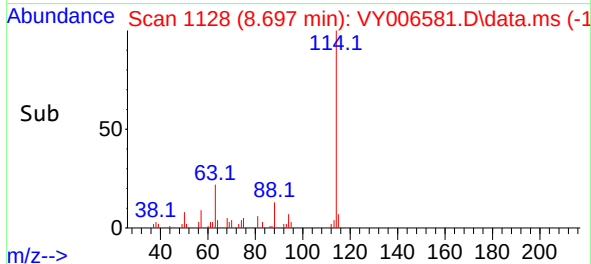
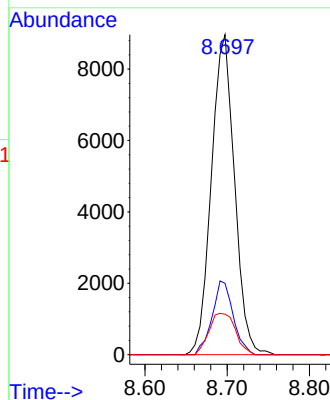
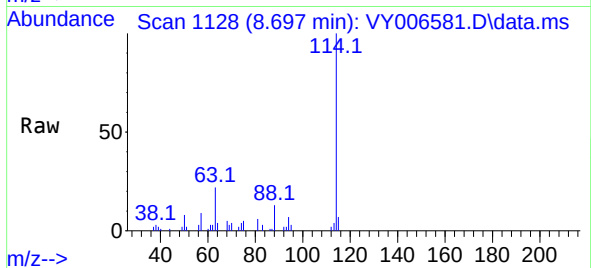
Tgt Ion:114 Resp: 17528

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 12.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 15.988 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006581.D

Acq: 02 Nov 2021 17:01

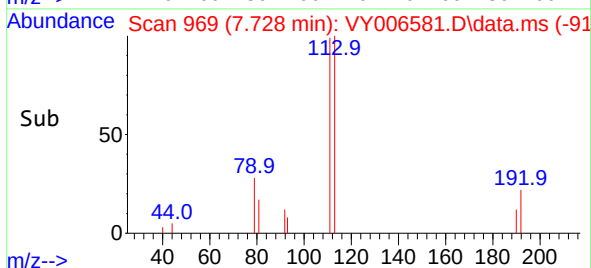
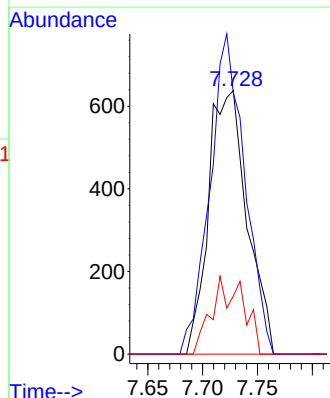
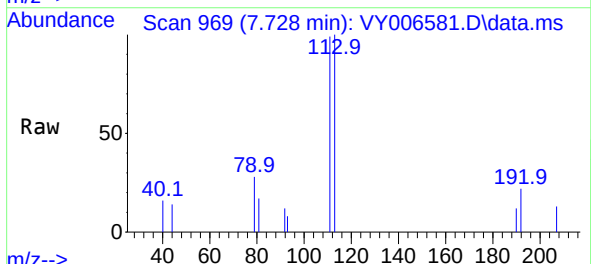
Tgt Ion:113 Resp: 1562

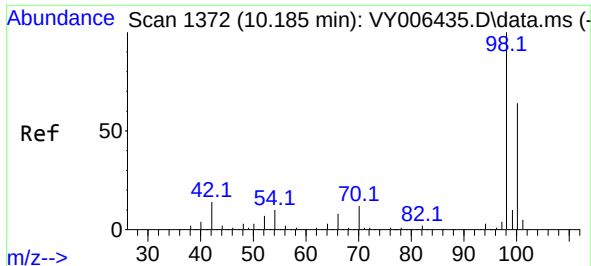
Ion Ratio Lower Upper

113 100

111 110.1 82.3 123.5

192 24.0 17.4 26.2

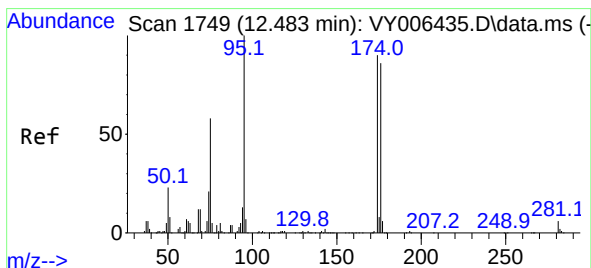
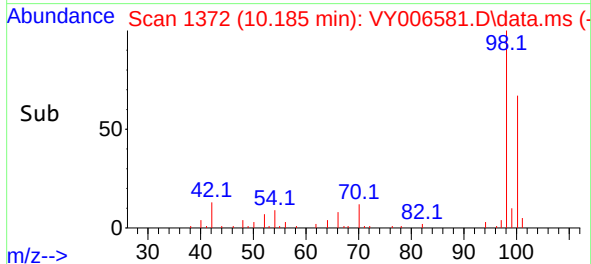
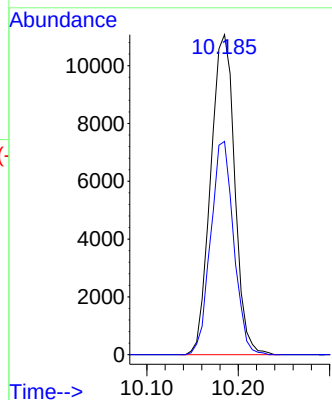
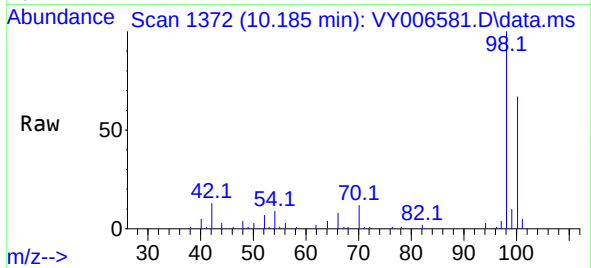




#50  
Toluene-d8  
Concen: 48.799 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

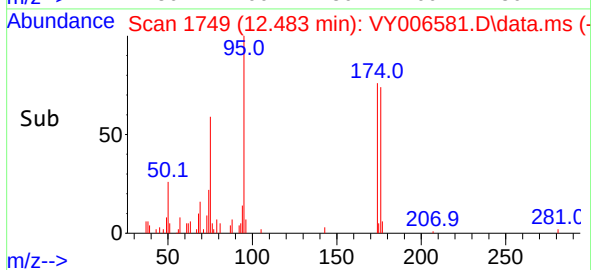
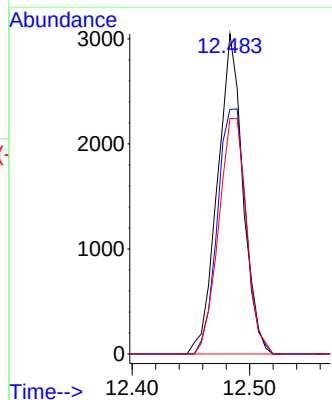
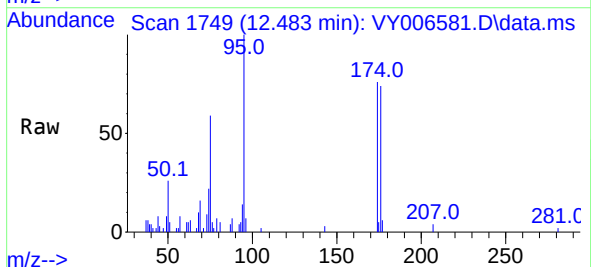
Instrument :  
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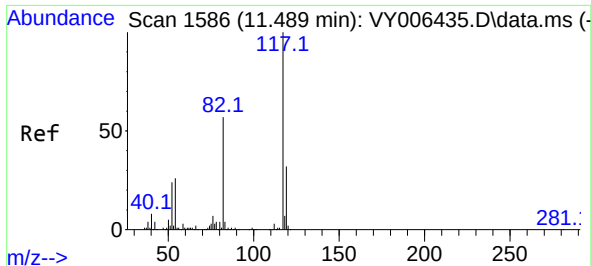
Tgt Ion: 98 Resp: 20210  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 32.865 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

Tgt Ion: 95 Resp: 4585  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 177.0  
176 80.5 0.0 169.4

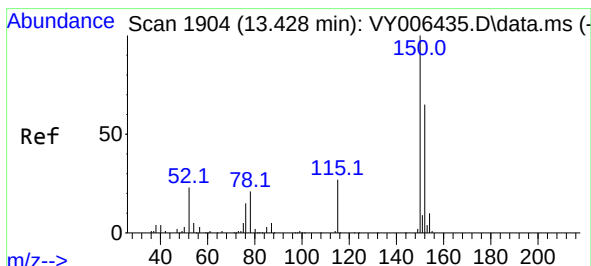
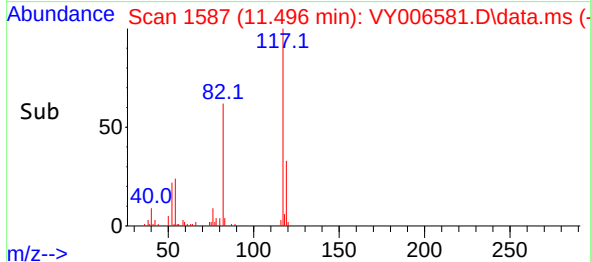
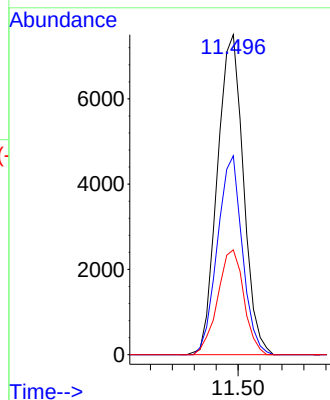
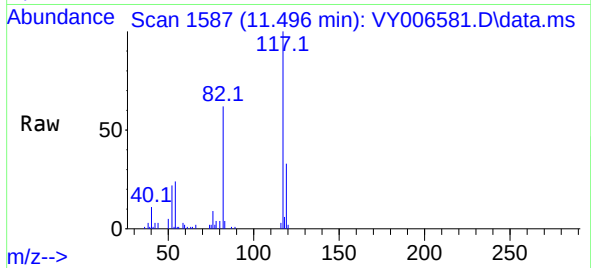




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

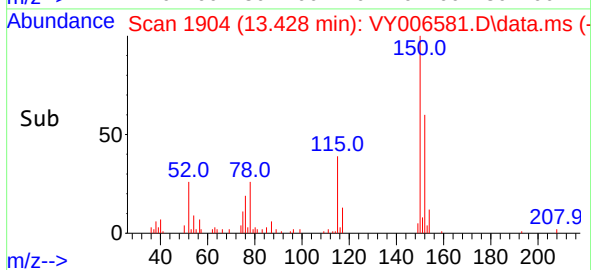
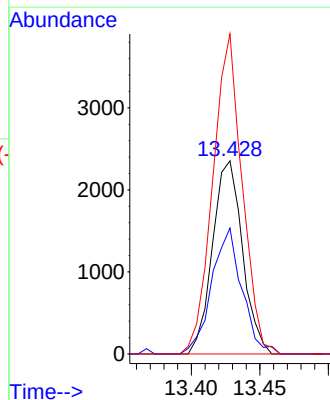
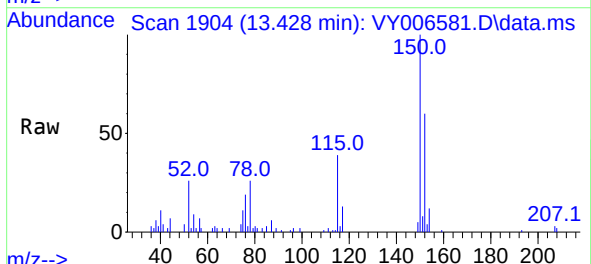
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T3-EP02-NE

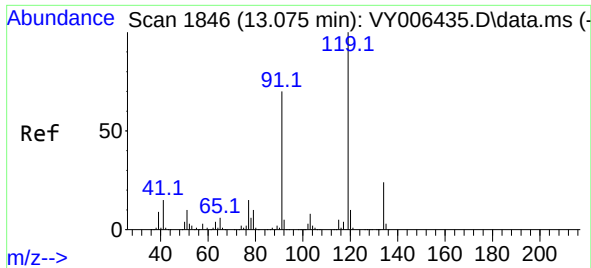
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 12375       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 62.2  | 45.7 68.5   |
| 119         | 32.8  | 25.5 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

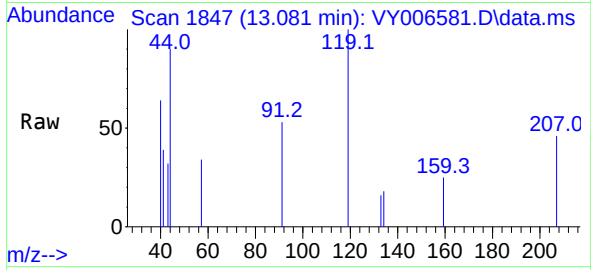
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 3579        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 65.8  | 28.5 85.5   |
| 150         | 162.2 | 0.0 348.2   |





#83  
tert-Butylbenzene  
Concen: 2.659 ug/l  
RT: 13.081 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY006581.D  
Acq: 02 Nov 2021 17:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
T3-EP02-NE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 479   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 66.8  | 34.8  | 104.5 |
| 134      | 21.1  | 13.0  | 38.9  |

