

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102621\  
 Data File : VY006477.D  
 Acq On : 26 Oct 2021 13:38  
 Operator : SY/MD  
 Sample : M4332-01  
 Misc : 5.43G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BB-SAMPLE-1

Quant Time: Oct 27 05:25:39 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  | 58977    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 95599    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 82496    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 31393    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 42290    | 58.271   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.540% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 28847    | 54.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.280% |
| 50) Toluene-d8              | 10.185 | 98    | 119673   | 52.981   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.960% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 31995    | 42.049   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 84.100%  |

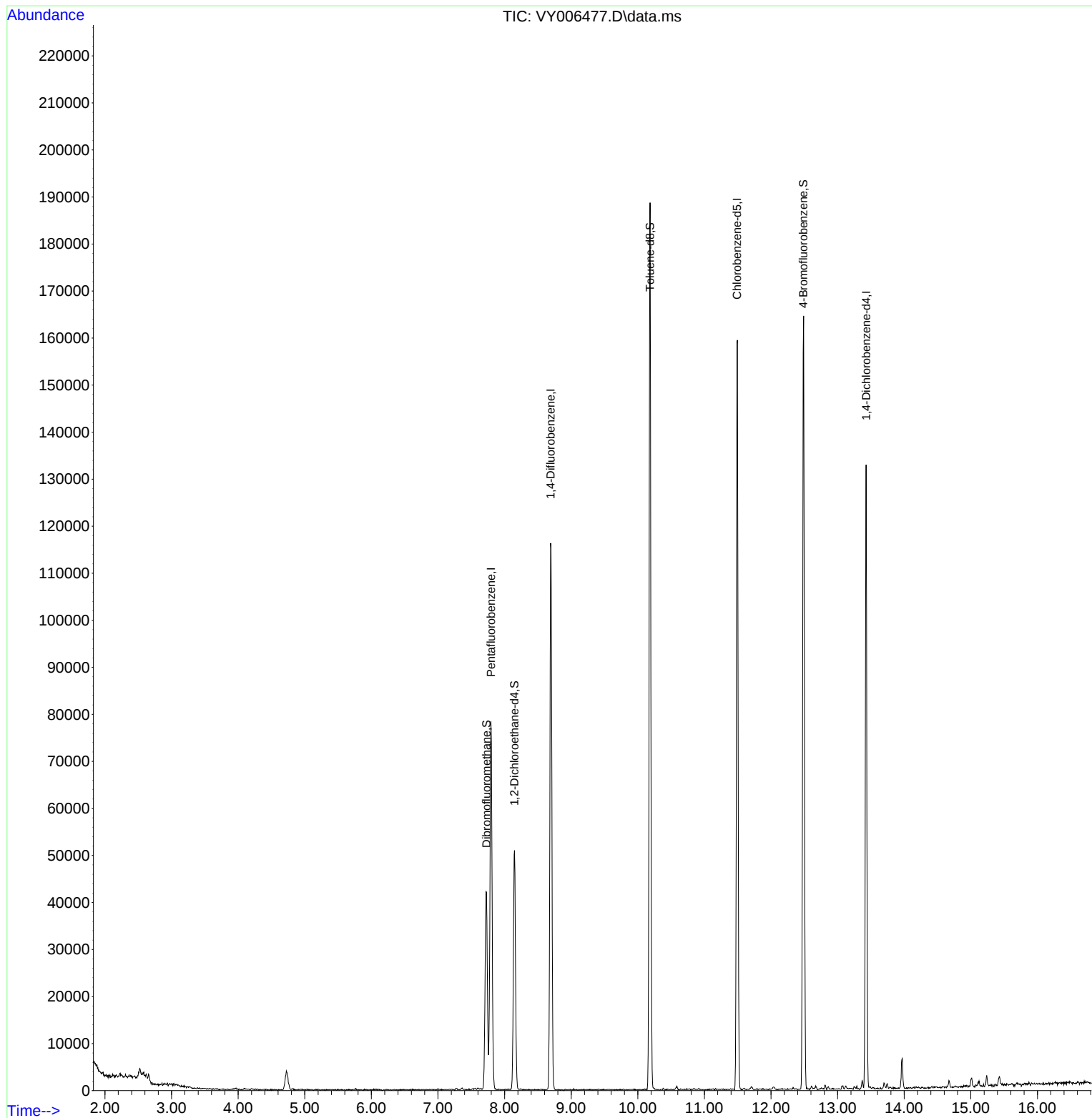
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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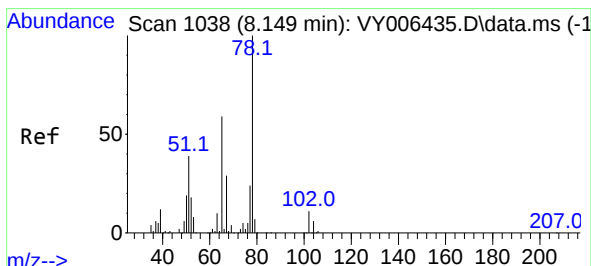
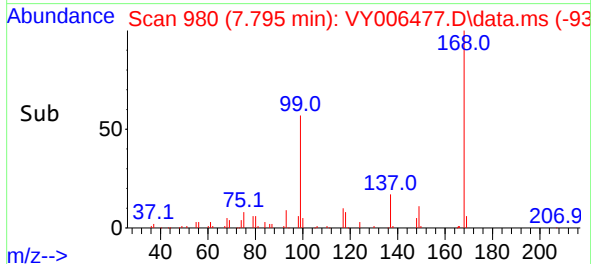
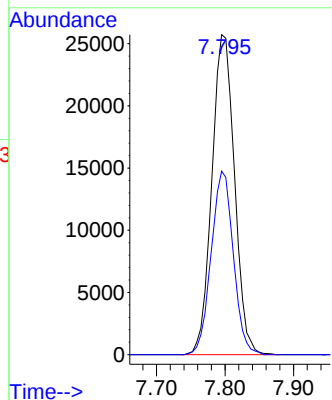
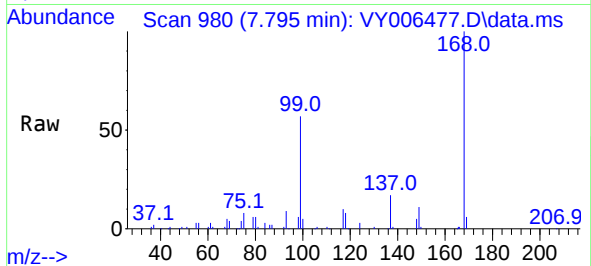




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006477.D  
Acq: 26 Oct 2021 13:38

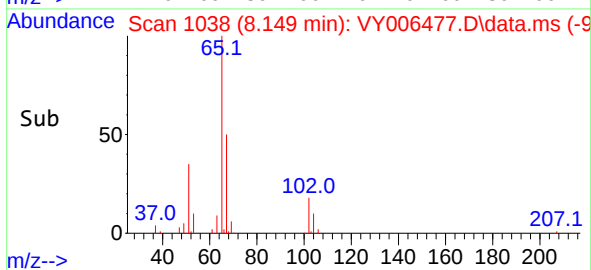
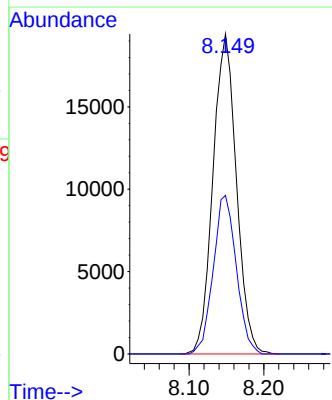
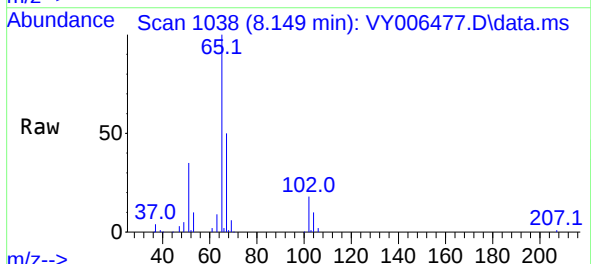
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BB-SAMPLE-1

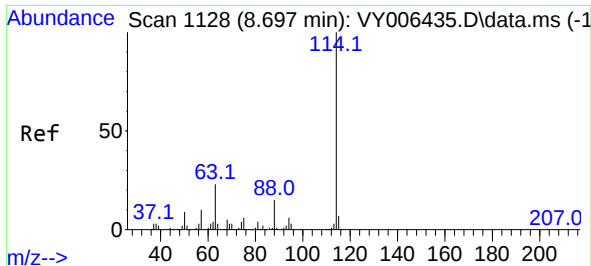
Tgt Ion:168 Resp: 58977  
Ion Ratio Lower Upper  
168 100  
99 57.4 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 58.271 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006477.D  
Acq: 26 Oct 2021 13:38

Tgt Ion: 65 Resp: 42290  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Instrument :

MSVOA\_Y

ClientSampleId :

BB-SAMPLE-1

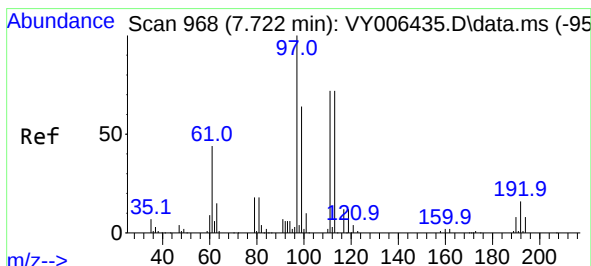
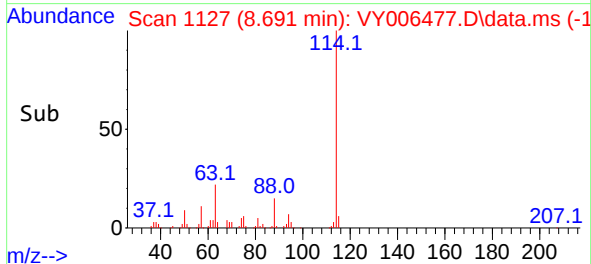
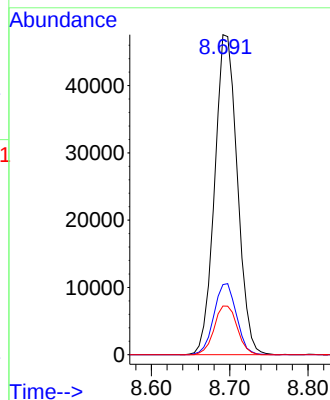
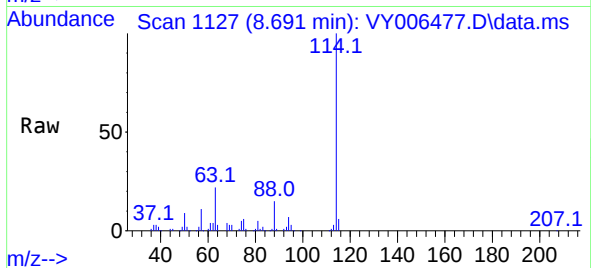
Tgt Ion:114 Resp: 95599

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.138 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

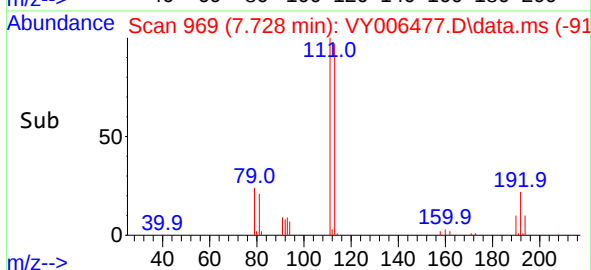
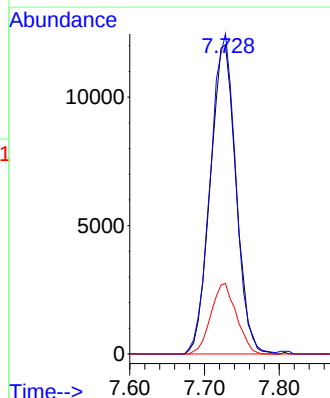
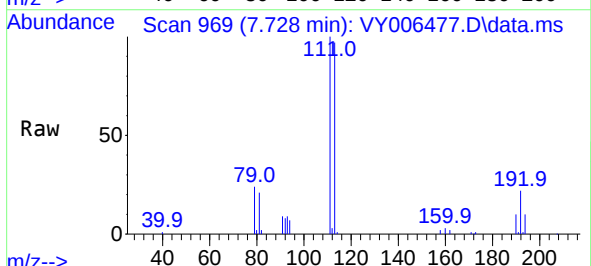
Tgt Ion:113 Resp: 28847

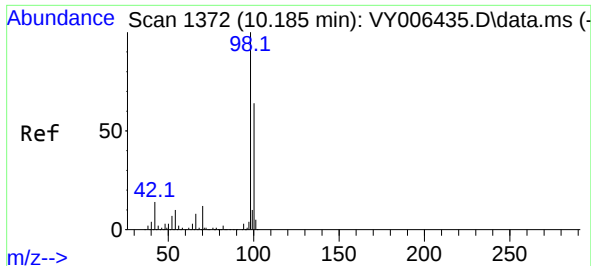
Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 22.6 17.4 26.2

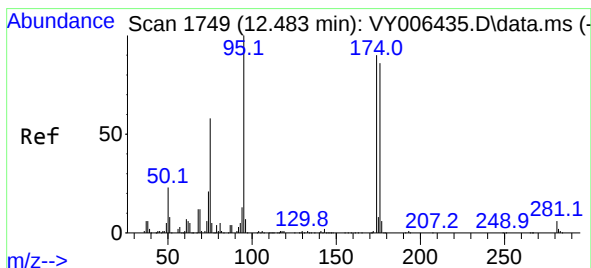
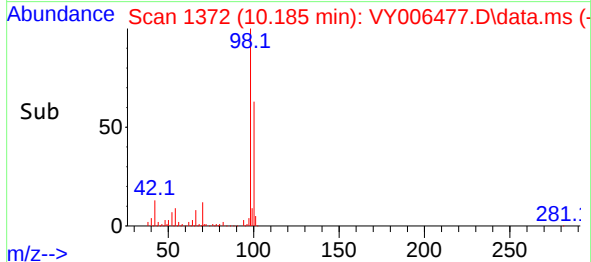
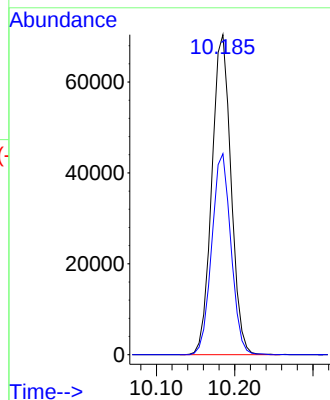
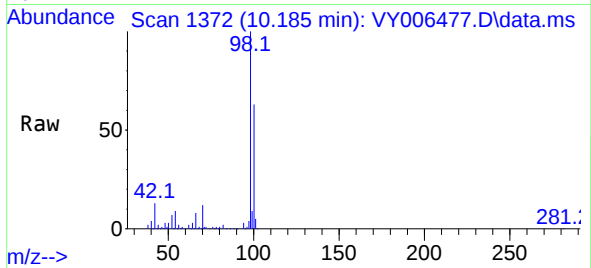




#50  
Toluene-d8  
Concen: 52.981 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006477.D  
Acq: 26 Oct 2021 13:38

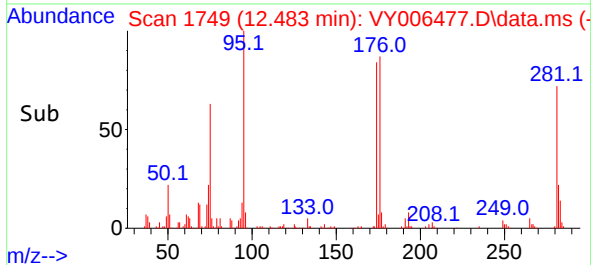
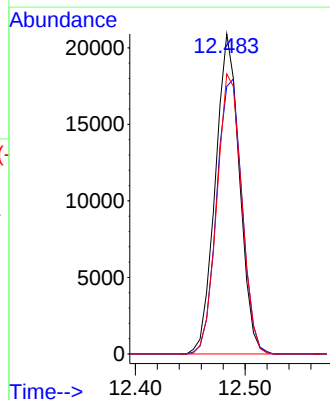
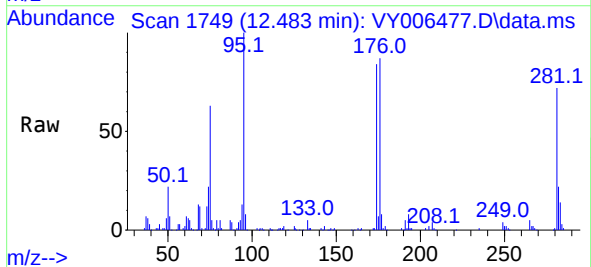
Instrument :  
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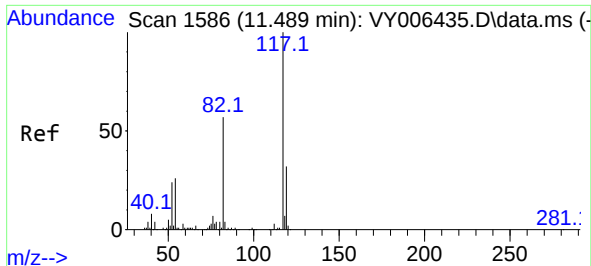
Tgt Ion: 98 Resp: 119673  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 42.049 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006477.D  
Acq: 26 Oct 2021 13:38

Tgt Ion: 95 Resp: 31995  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 177.0  
176 89.5 0.0 169.4

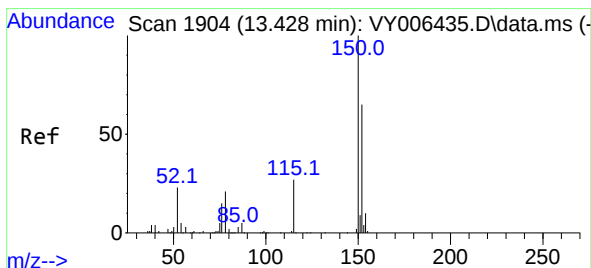
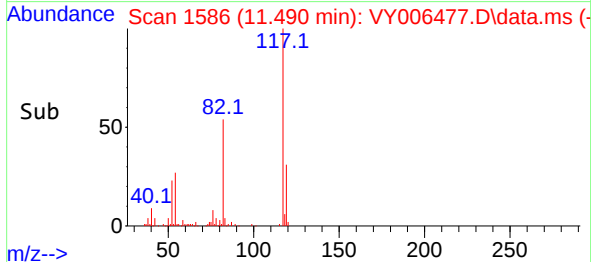
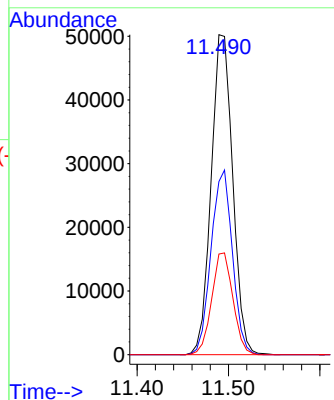
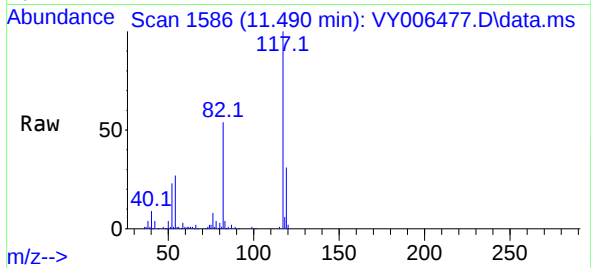




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY006477.D  
Acq: 26 Oct 2021 13:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BB-SAMPLE-1

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 82496     |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 54.1  | 45.7 68.5 |
| 119         | 31.4  | 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: VY006477.D  
Acq: 26 Oct 2021 13:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 31393     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 57.0  | 28.5 85.5 |
| 150         | 157.8 | 0.0 348.2 |

