

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
 Data File : VY008467.D  
 Acq On : 22 Apr 2022 16:11  
 Operator : KP/MD  
 Sample : N2526-07  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-5D

Quant Time: Apr 23 01:53:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 46690    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 82598    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 78355    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 34072    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 25494    | 46.406   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 92.820%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 25856    | 48.504   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.000%  |
| 50) Toluene-d8              | 10.179 | 98    | 100190   | 47.285   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 94.580%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 31280    | 43.577   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 87.160%  |

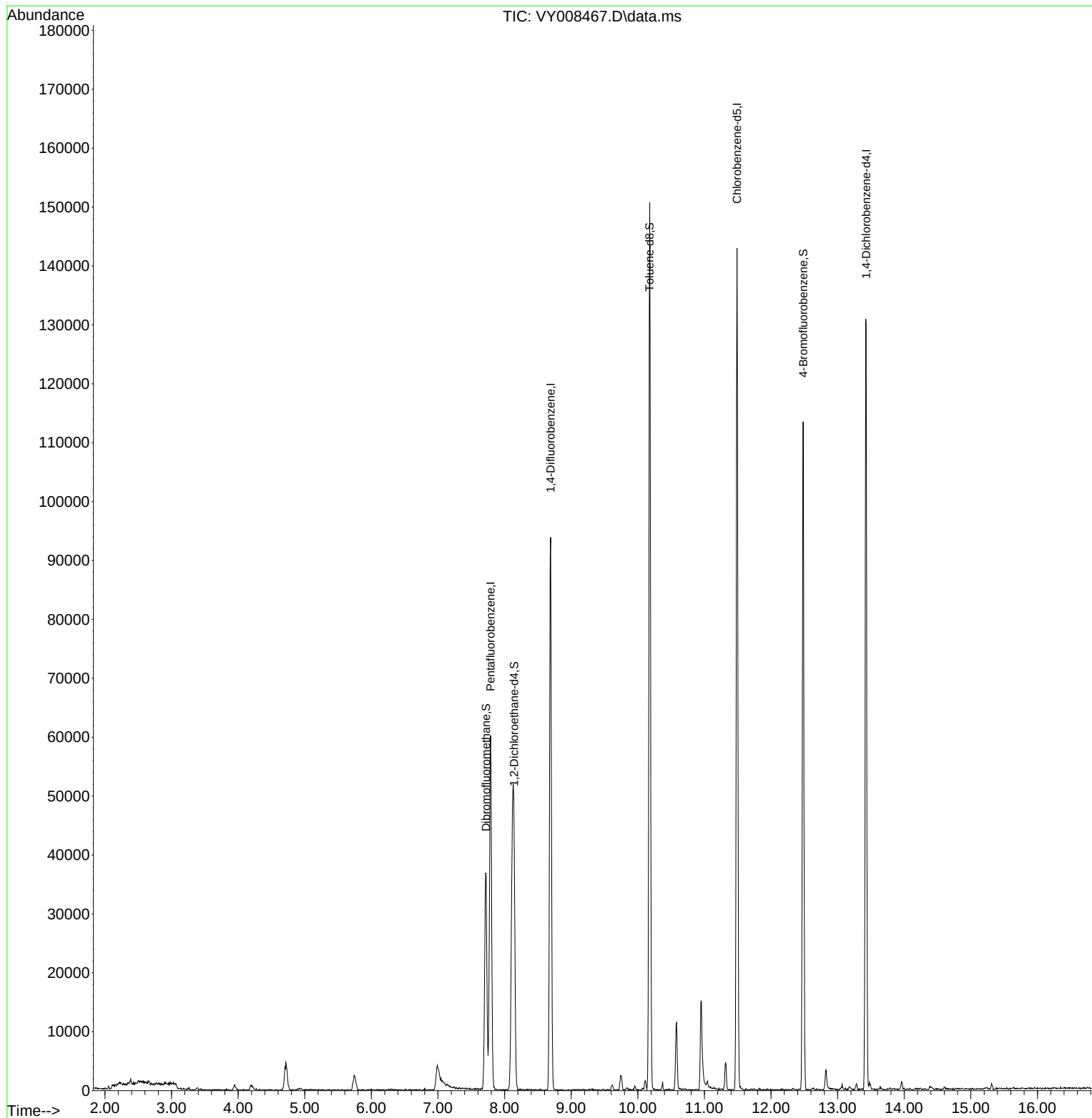
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

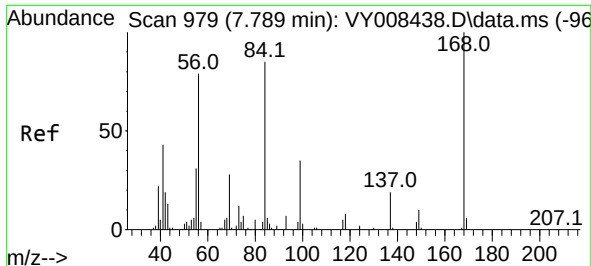
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MH-5D

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Response via : Initial Calibration

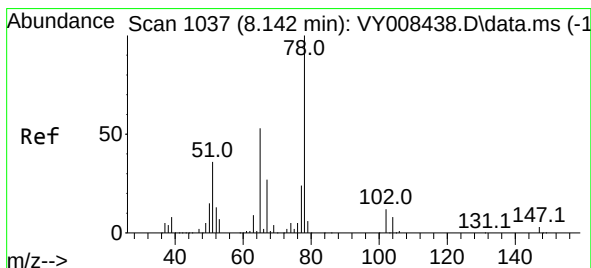
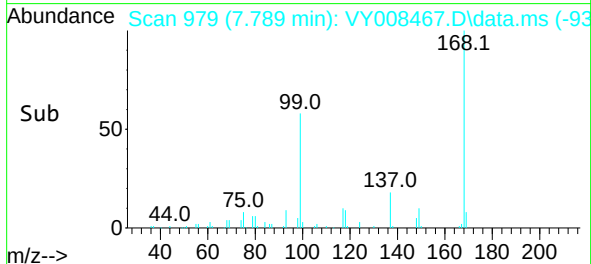
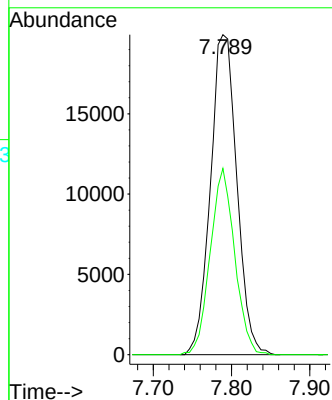
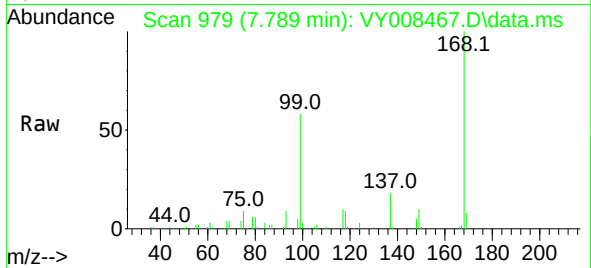




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

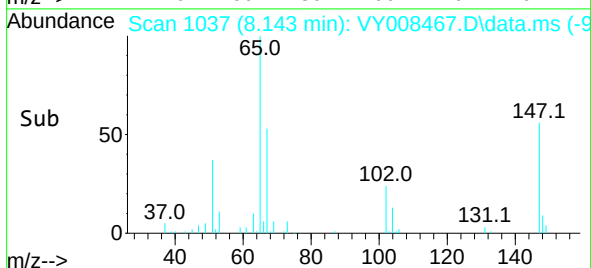
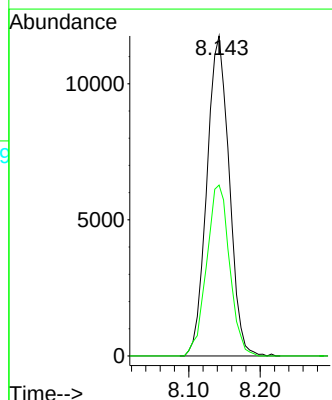
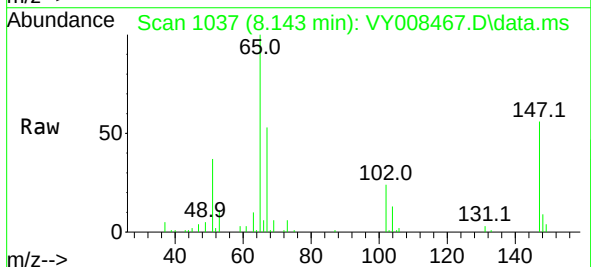
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-5D

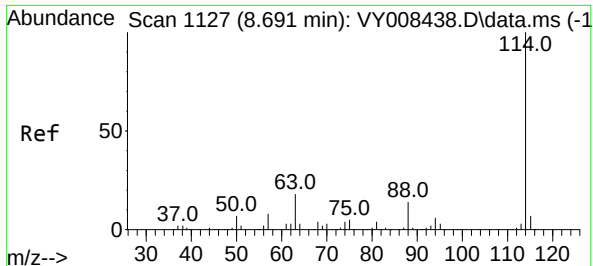
Tgt Ion:168 Resp: 46690  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 46.406 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 65 Resp: 25494  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

MH-5D

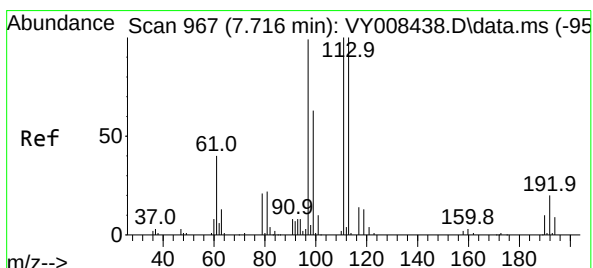
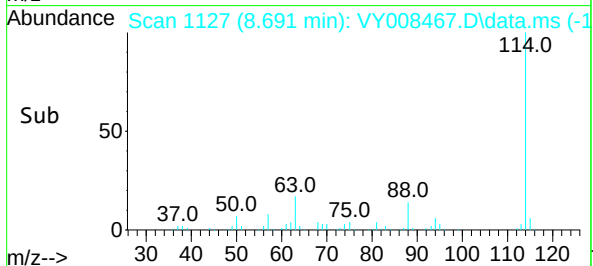
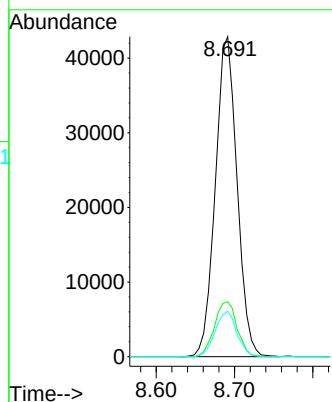
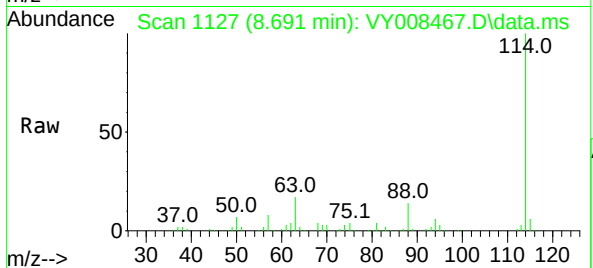
Tgt Ion:114 Resp: 82598

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.504 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

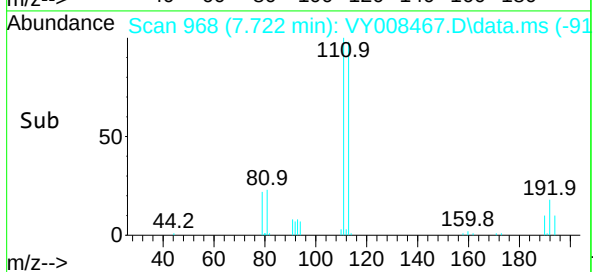
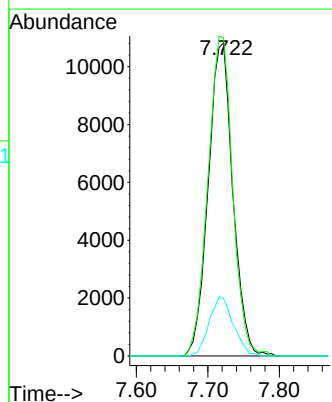
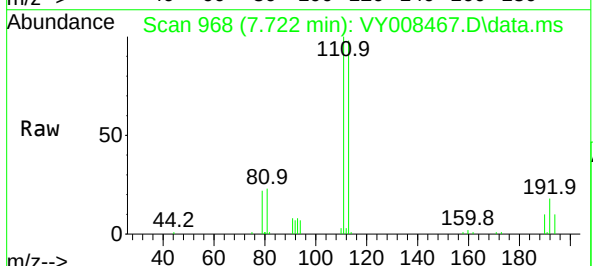
Tgt Ion:113 Resp: 25856

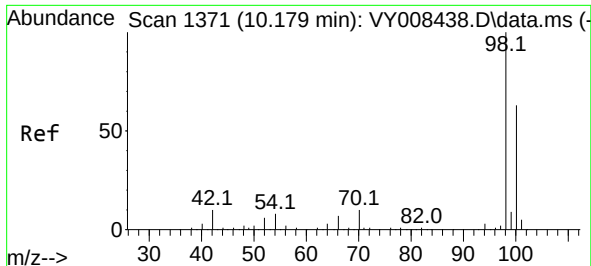
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 18.7 17.6 26.4

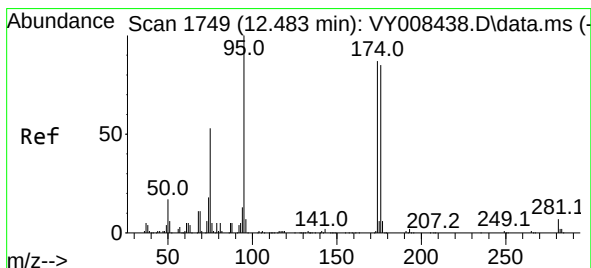
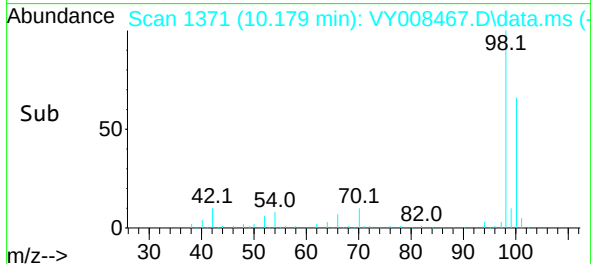
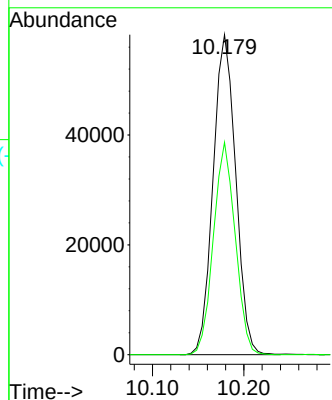
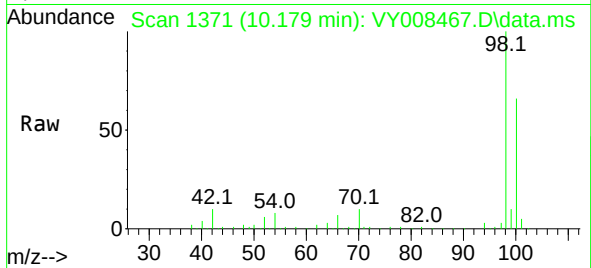




#50  
Toluene-d8  
Concen: 47.285 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

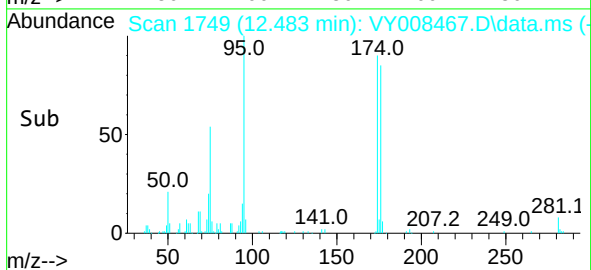
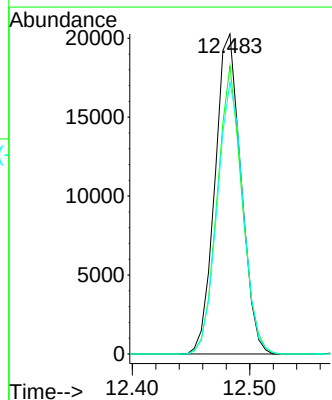
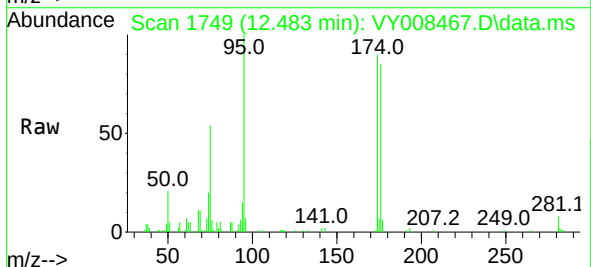
Instrument :  
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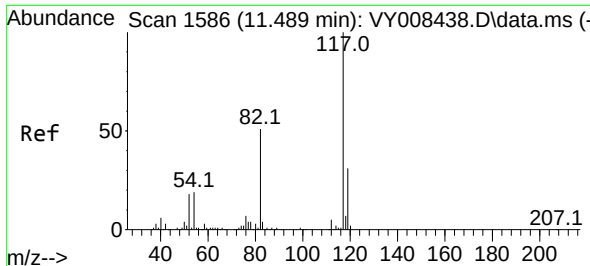
Tgt Ion: 98 Resp: 100190  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 43.577 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 95 Resp: 31280  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 177.0  
176 84.3 0.0 175.8

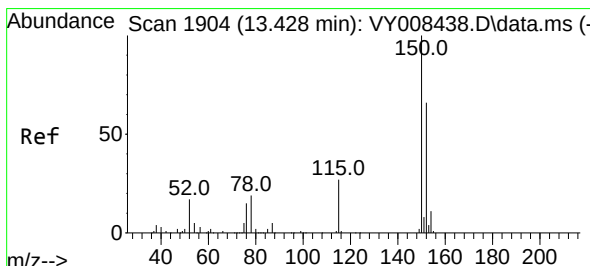
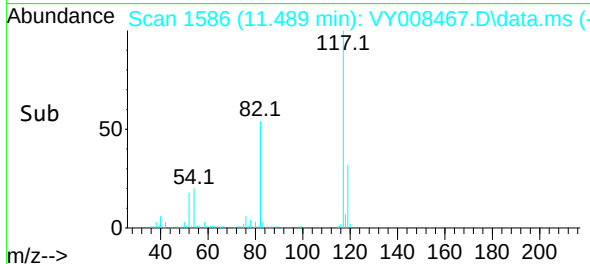
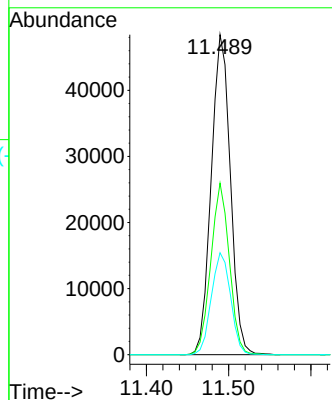
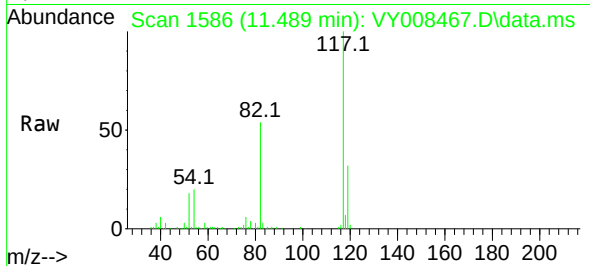




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-5D

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 78355 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.6  | 43.0  | 64.4  |
| 119      | 31.9  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 34072 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.3  | 28.2  | 84.7  |
| 150      | 154.7 | 0.0   | 347.6 |

