

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051822\  
 Data File : VY008840.D  
 Acq On : 19 May 2022 02:11  
 Operator : KP/MD  
 Sample : N2869-13  
 Misc : 5.27g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P031-SS001-1218-01

Quant Time: May 19 03:17:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 126336   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 230792   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 219719   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 93775    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 80162    | 68.396   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 136.800% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 73355    | 54.399   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.800% |
| 50) Toluene-d8              | 10.179 | 98    | 289018   | 48.332   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.660%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 84315    | 40.155   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 80.320%  |

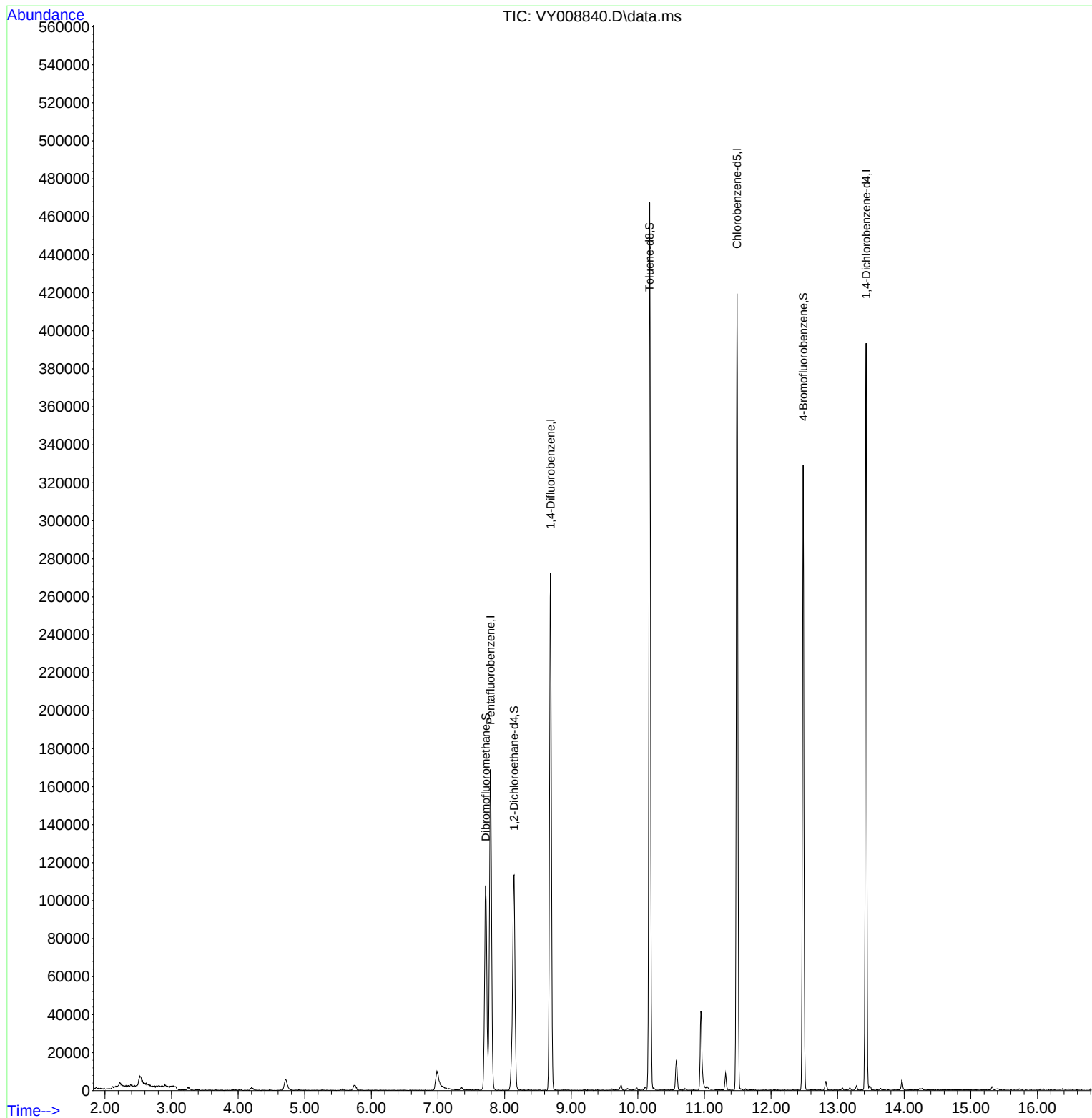
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

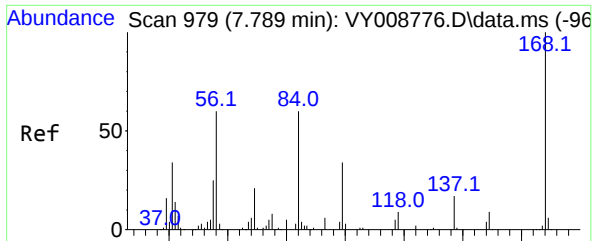
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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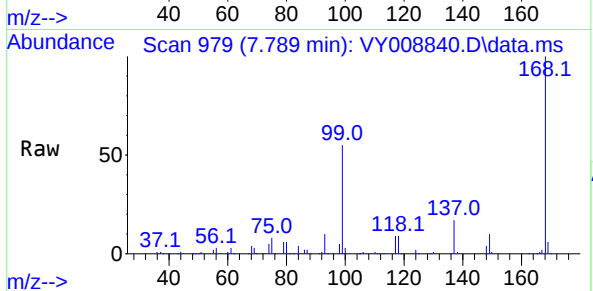
Quant Time: May 19 03:17:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 07:32:50 2022  
Response via : Initial Calibration



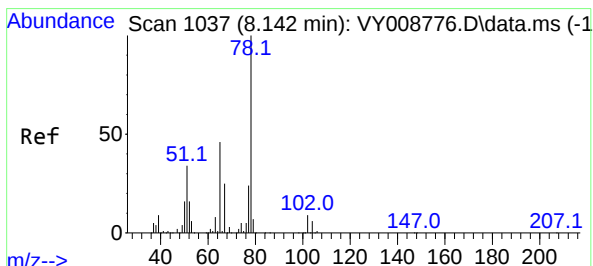
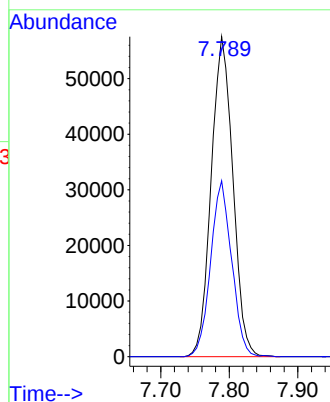
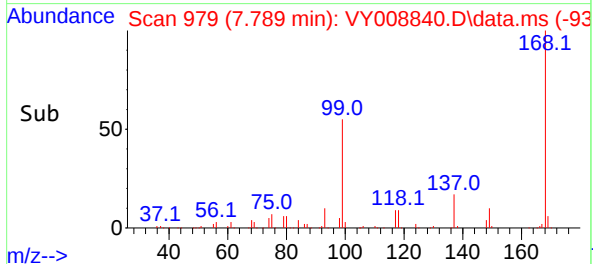


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008840.D  
Acq: 19 May 2022 02:11

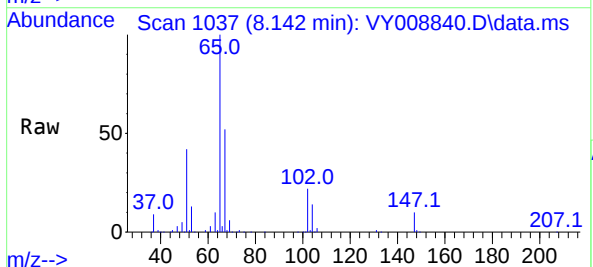
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P031-SS001-1218-01



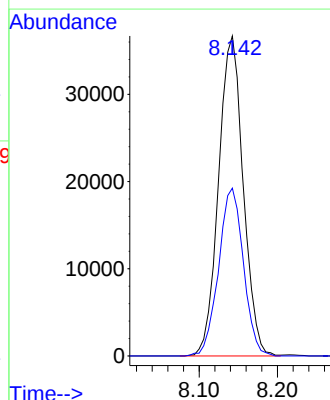
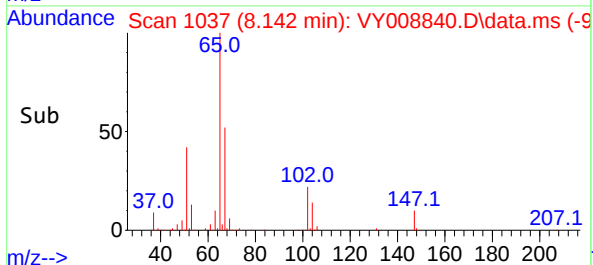
Tgt Ion:168 Resp: 126336  
Ion Ratio Lower Upper  
168 100  
99 55.0 46.9 70.3

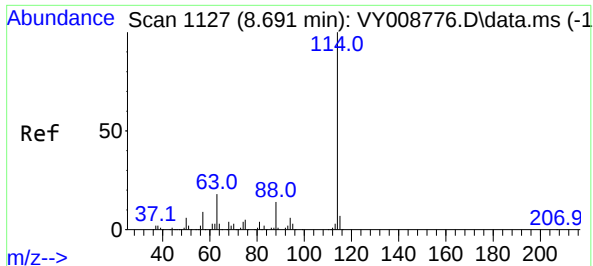


#33  
1,2-Dichloroethane-d4  
Concen: 68.396 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008840.D  
Acq: 19 May 2022 02:11



Tgt Ion: 65 Resp: 80162  
Ion Ratio Lower Upper  
65 100  
67 52.8 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: VY008840.D

Acq: 19 May 2022 02:11

Instrument :

MSVOA\_Y

ClientSampleId :

P031-SS001-1218-01

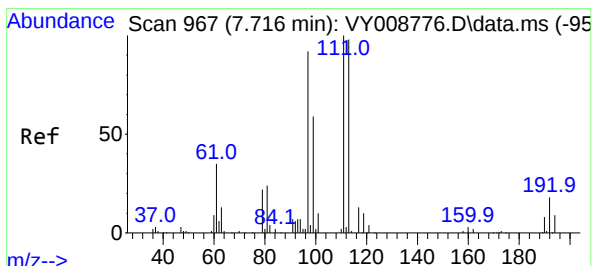
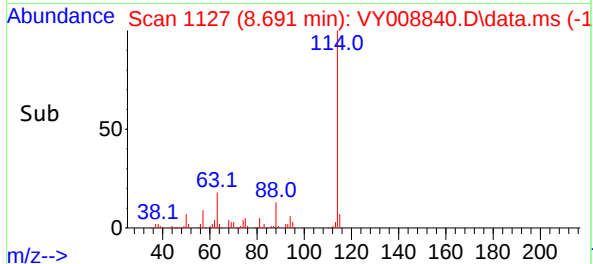
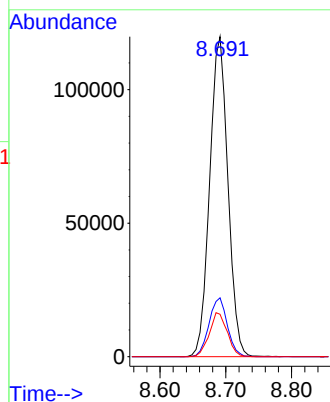
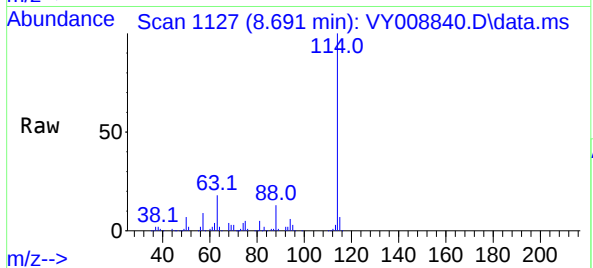
Tgt Ion:114 Resp: 230792

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.399 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008840.D

Acq: 19 May 2022 02:11

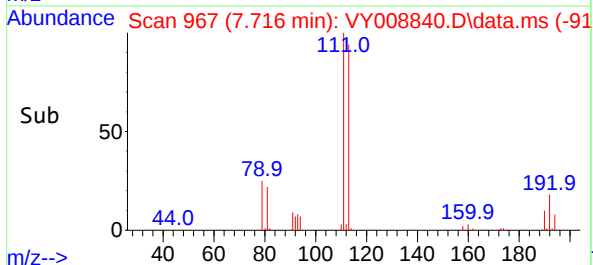
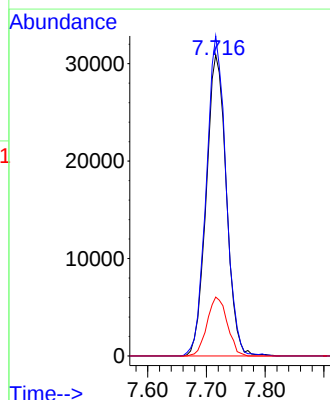
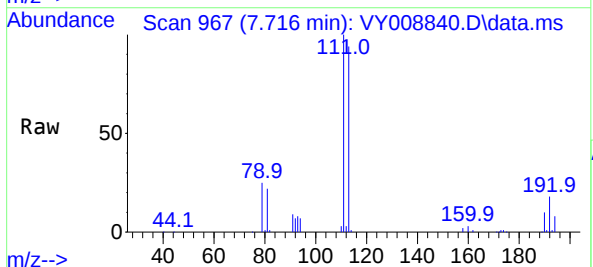
Tgt Ion:113 Resp: 73355

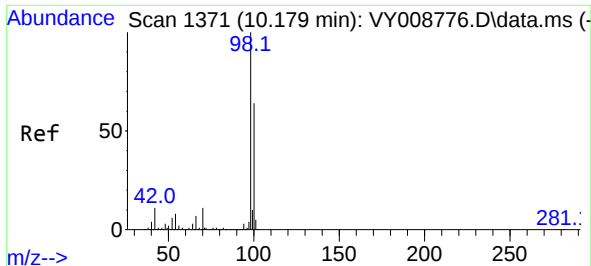
Ion Ratio Lower Upper

113 100

111 104.4 82.6 124.0

192 19.6 17.6 26.4

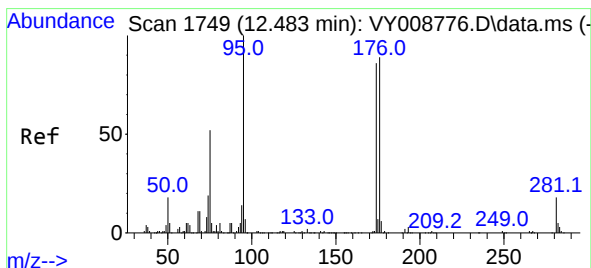
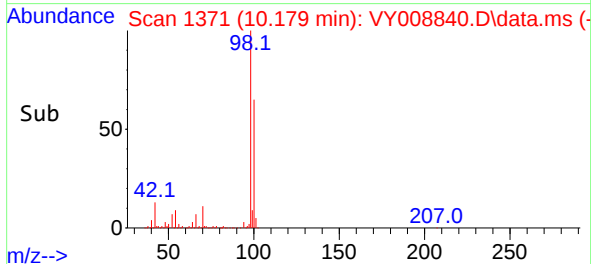
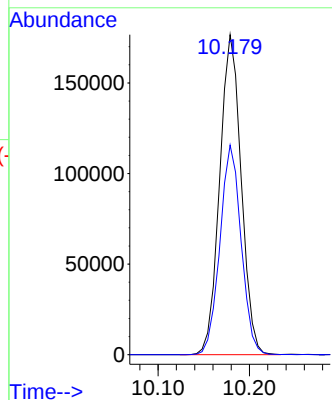
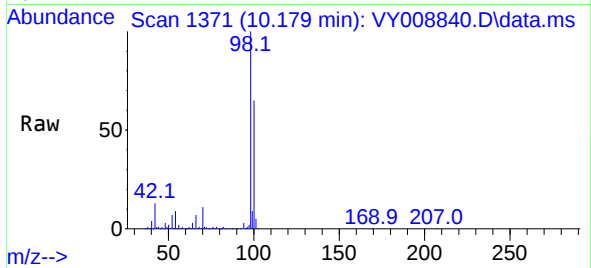




#50  
Toluene-d8  
Concen: 48.332 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008840.D  
Acq: 19 May 2022 02:11

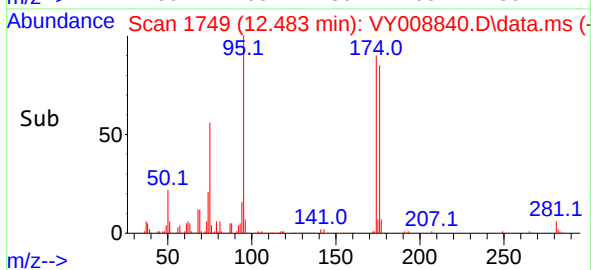
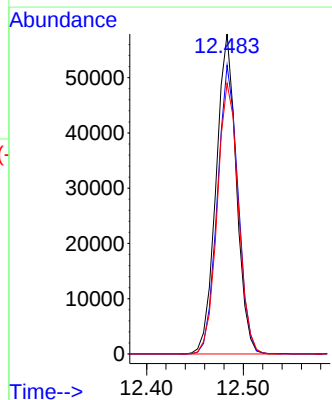
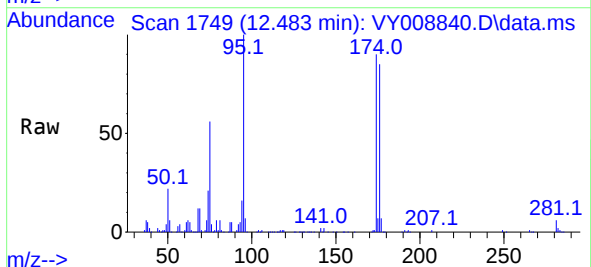
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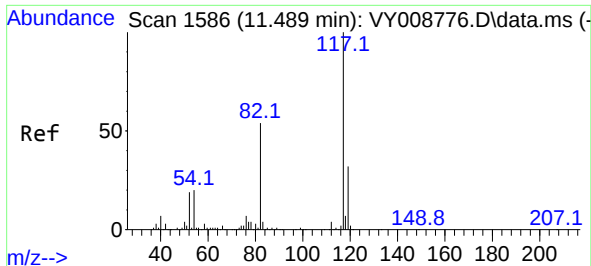
Tgt Ion: 98 Resp: 289018  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 40.155 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008840.D  
Acq: 19 May 2022 02:11

Tgt Ion: 95 Resp: 84315  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 177.0  
176 87.5 0.0 175.8

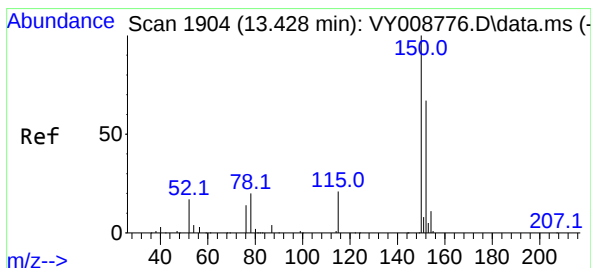
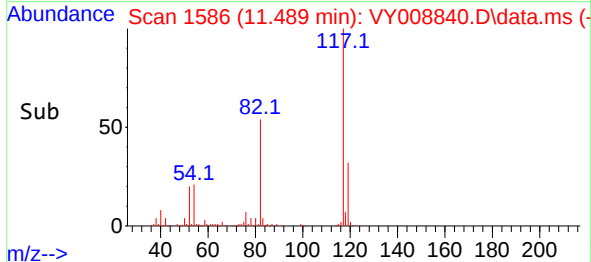
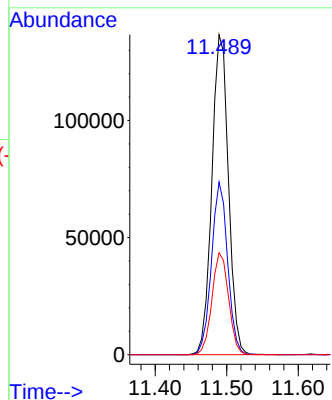
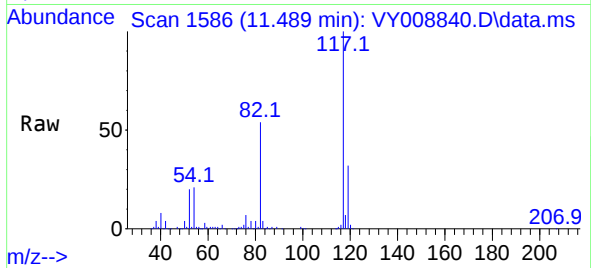




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008840.D  
Acq: 19 May 2022 02:11

Instrument :  
MSVOA\_Y  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 219719 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.9  | 43.0  | 64.4   |
| 119      | 31.8  | 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: VY008840.D  
Acq: 19 May 2022 02:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 93775 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.9  | 28.2  | 84.7  |
| 150      | 156.8 | 0.0   | 347.6 |

