

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008903.D  
 Acq On : 20 May 2022 06:09  
 Operator : KP/MD  
 Sample : N2868-13  
 Misc : 5.78g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P022-SS001-1218-01

Quant Time: May 20 08:22:18 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   | 125981   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 225338   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 217606   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 92972    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 78904    | 67.512   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 135.020% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 72874    | 55.350   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 110.700% |
| 50) Toluene-d8              | 10.179 | 98    | 284017   | 48.624   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 97.240%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 82515    | 40.241   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 80.480%  |

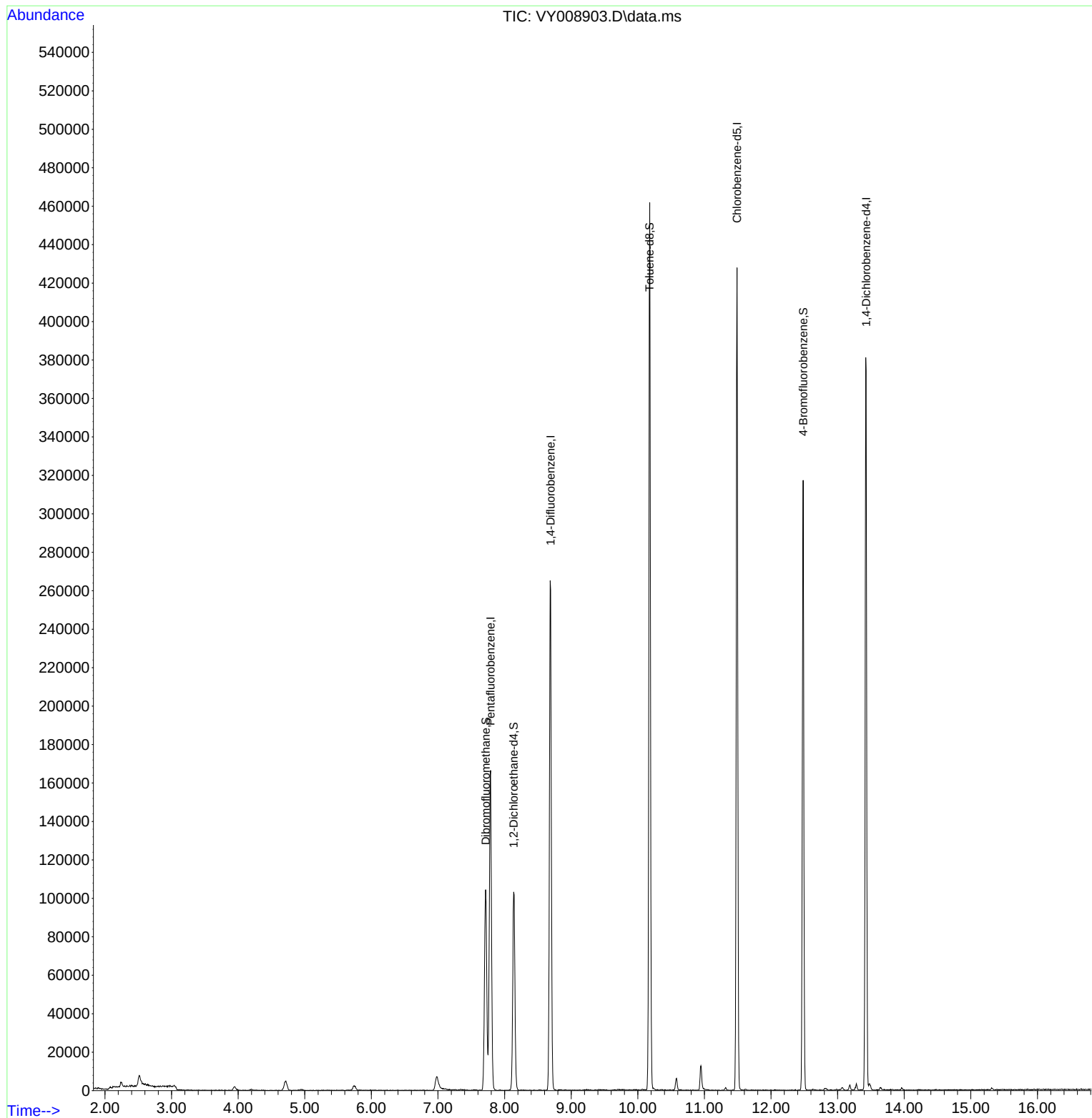
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

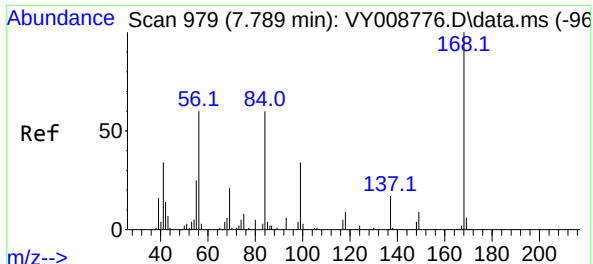
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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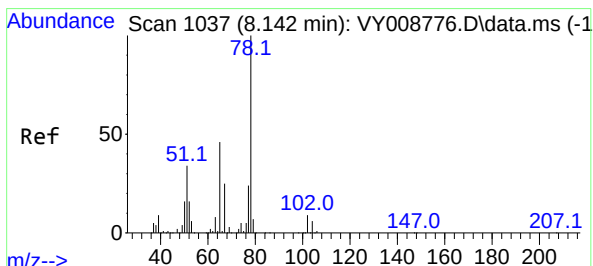
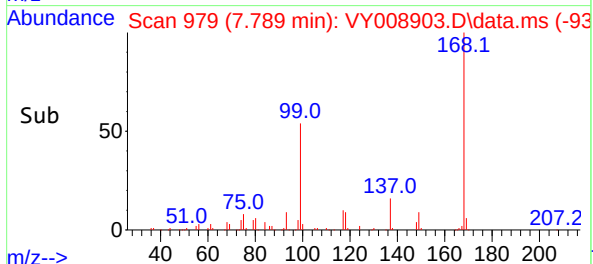
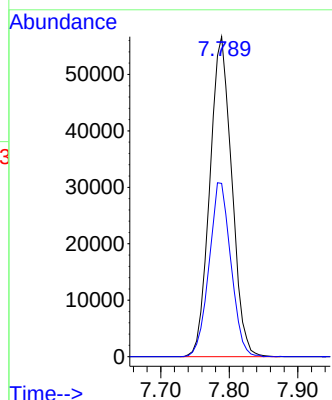
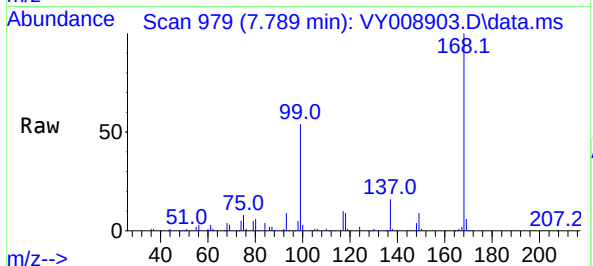




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008903.D  
Acq: 20 May 2022 06:09

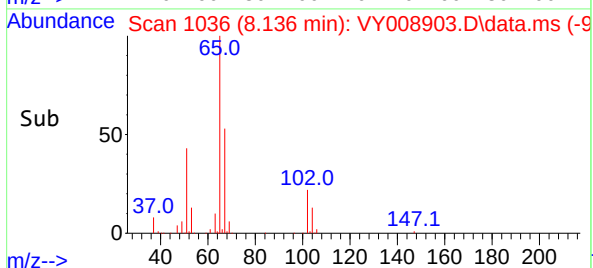
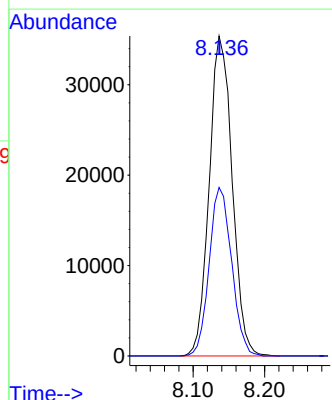
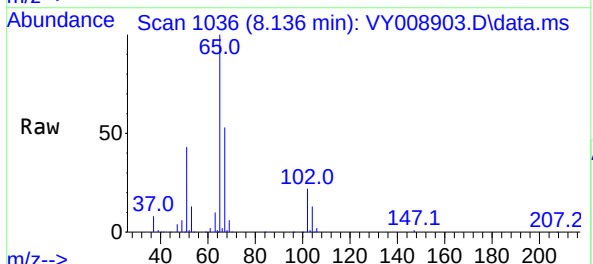
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P022-SS001-1218-01

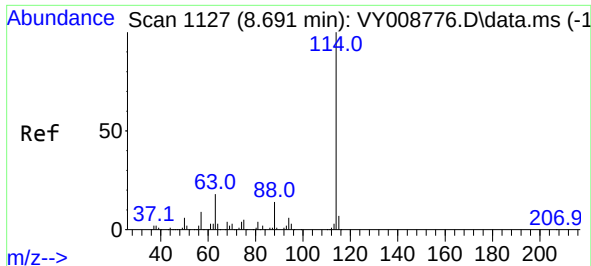
Tgt Ion:168 Resp: 125981  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 67.512 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008903.D  
Acq: 20 May 2022 06:09

Tgt Ion: 65 Resp: 78904  
Ion Ratio Lower Upper  
65 100  
67 51.6 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: VY008903.D

Acq: 20 May 2022 06:09

Instrument :

MSVOA\_Y

ClientSampleId :

P022-SS001-1218-01

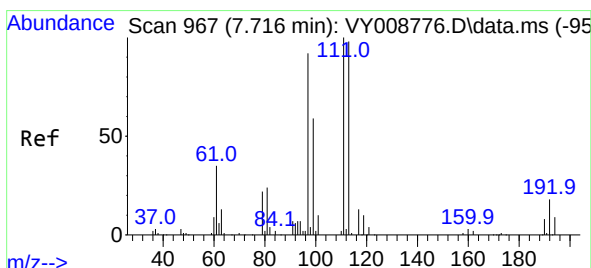
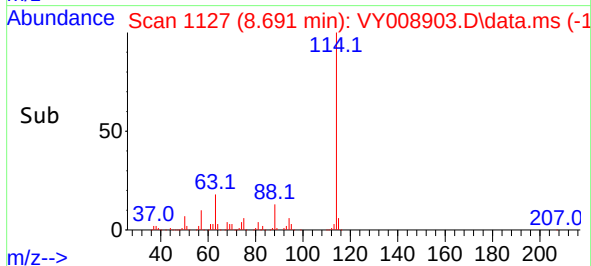
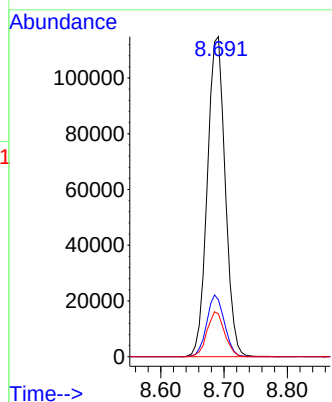
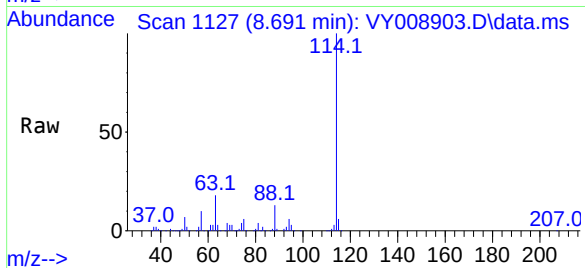
Tgt Ion:114 Resp: 225338

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.350 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008903.D

Acq: 20 May 2022 06:09

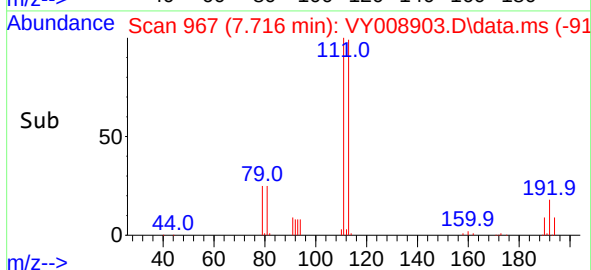
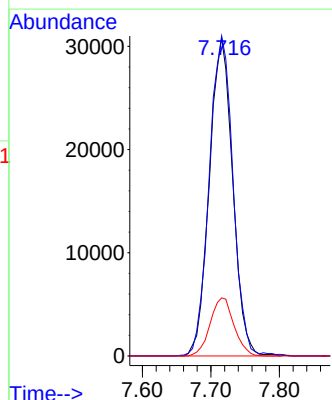
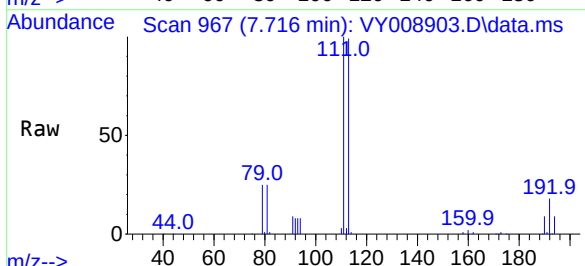
Tgt Ion:113 Resp: 72874

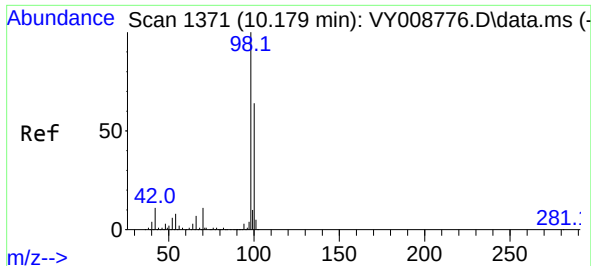
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 18.6 17.6 26.4

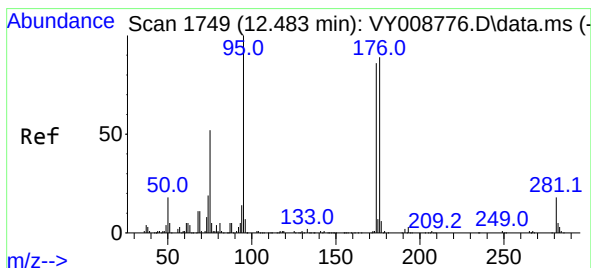
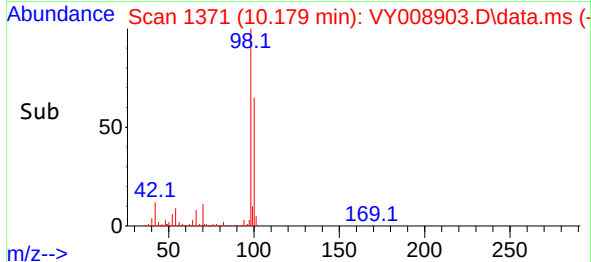
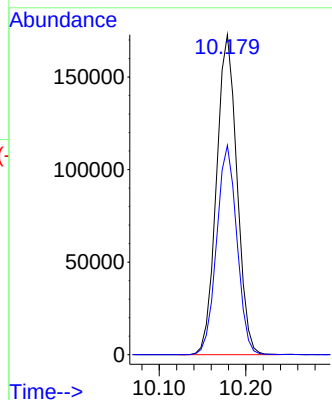
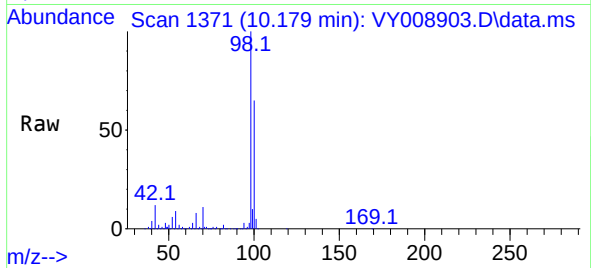




#50  
Toluene-d8  
Concen: 48.624 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008903.D  
Acq: 20 May 2022 06:09

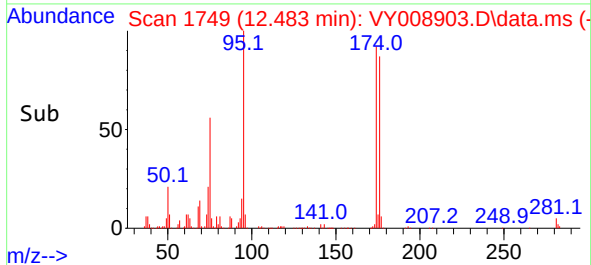
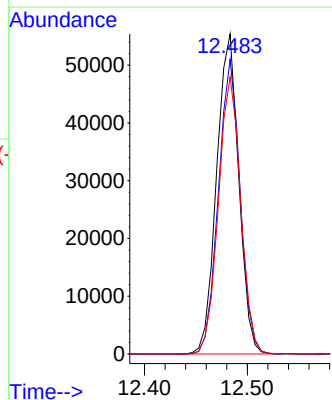
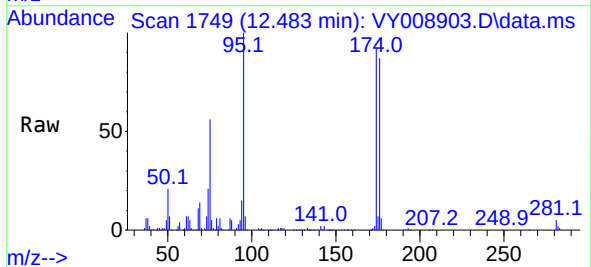
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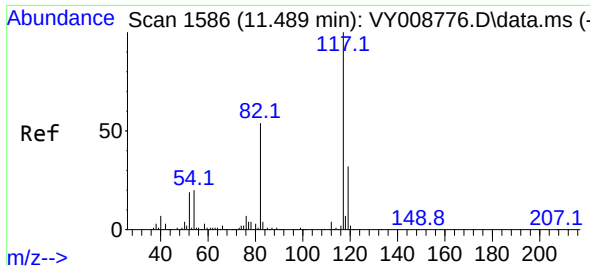
Tgt Ion: 98 Resp: 284017  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 40.241 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008903.D  
Acq: 20 May 2022 06:09

Tgt Ion: 95 Resp: 82515  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 177.0  
176 87.3 0.0 175.8



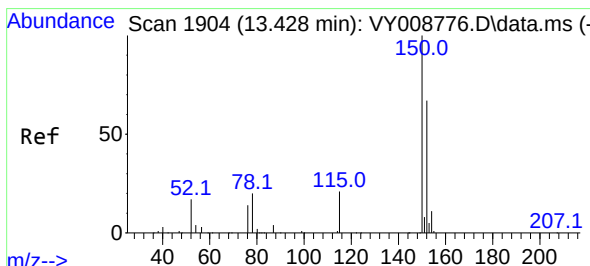
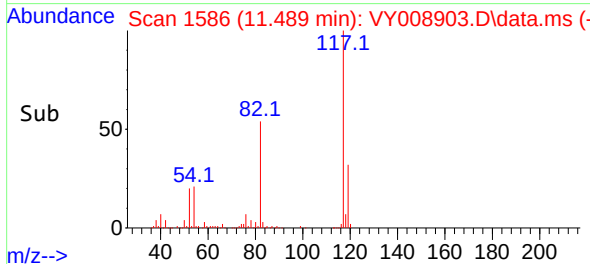
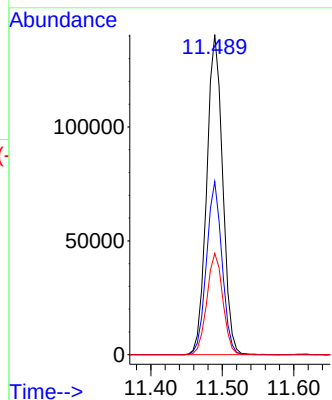
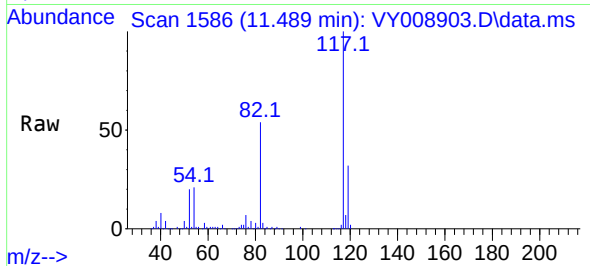


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008903.D  
Acq: 20 May 2022 06:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P022-SS001-1218-01

Tgt Ion:117 Resp: 217606

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.1  | 43.0  | 64.4  |
| 119 | 31.7  | 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: VY008903.D  
Acq: 20 May 2022 06:09

Tgt Ion:152 Resp: 92972

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.6  | 28.2  | 84.7  |
| 150 | 158.1 | 0.0   | 347.6 |

