

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041322\  
 Data File : VY008315.D  
 Acq On : 13 Apr 2022 16:13  
 Operator : KP/MD  
 Sample : N2367-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AU-05-041122

Quant Time: Apr 14 05:57:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 103701   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 187150   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 181984   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 80181    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 60571    | 62.182   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 124.360% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 59251    | 54.814   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.620% |          |
| 50) Toluene-d8              | 10.179 | 98    | 227178   | 61.420   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 122.840% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 76953    | 55.314   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 110.620% |          |

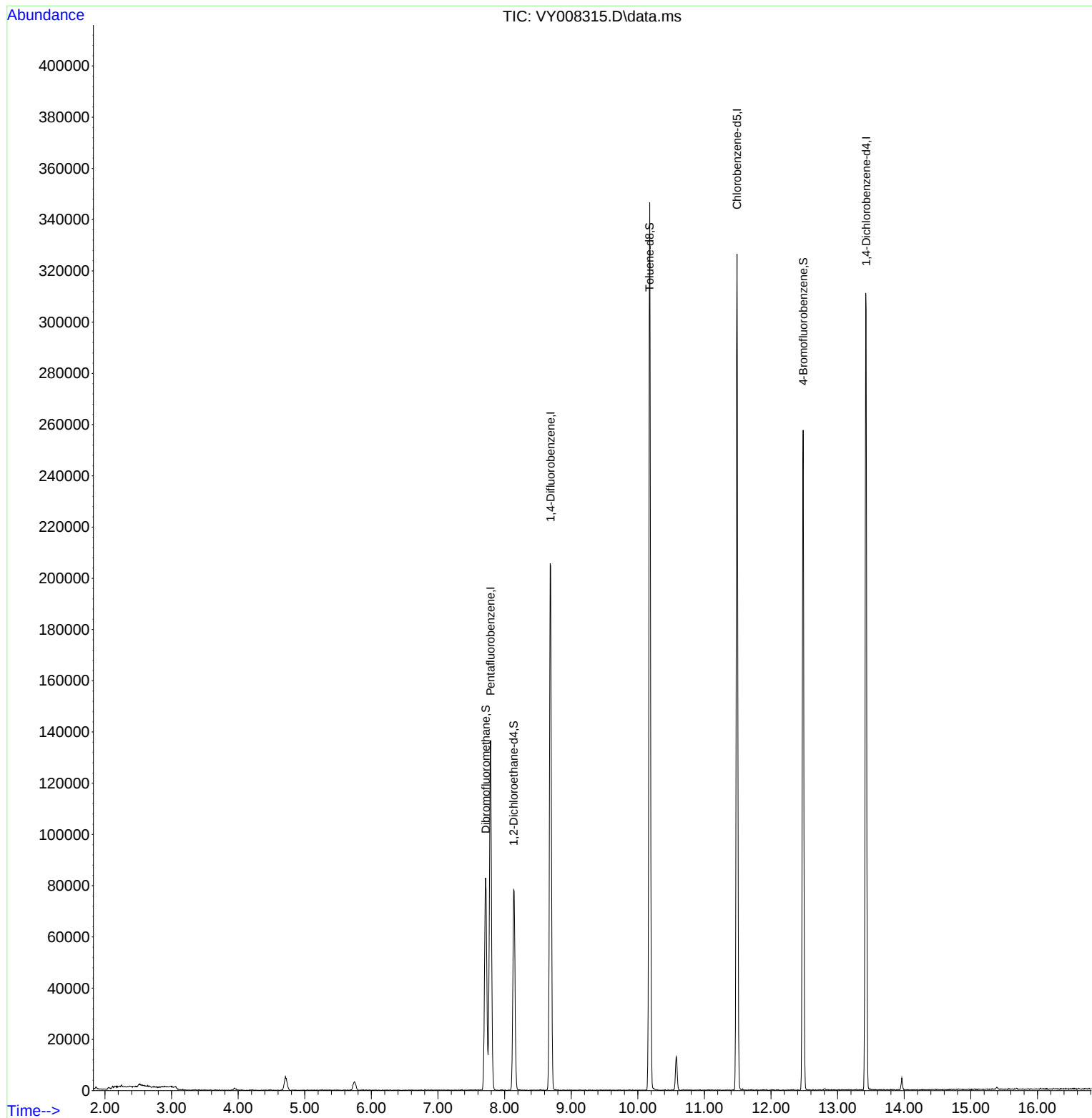
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

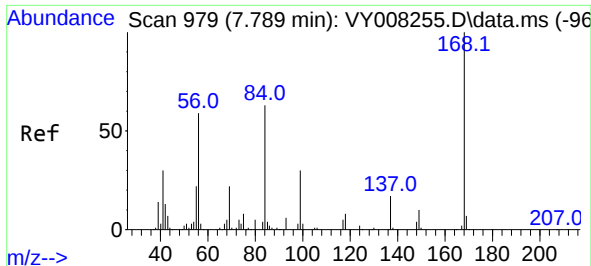
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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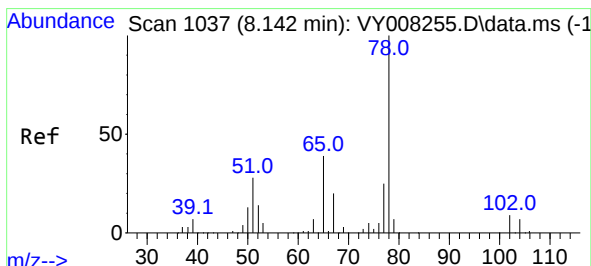
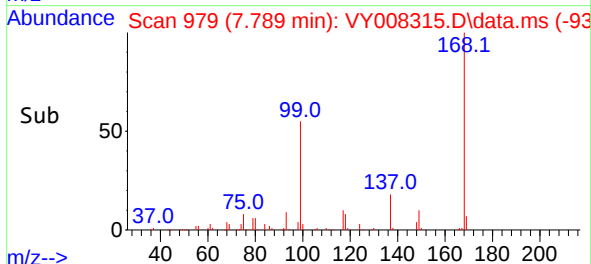
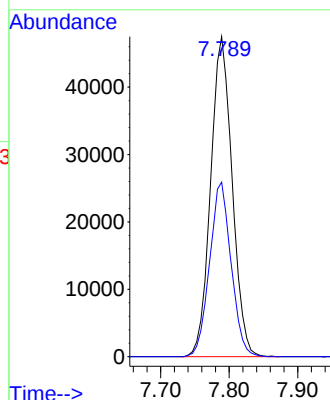
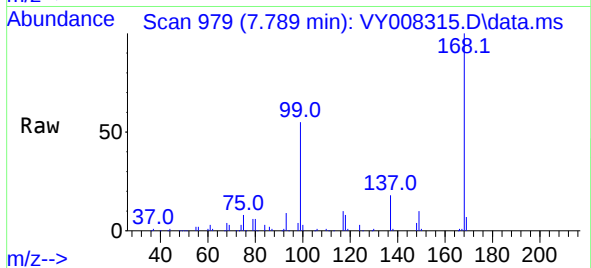




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008315.D  
Acq: 13 Apr 2022 16:13

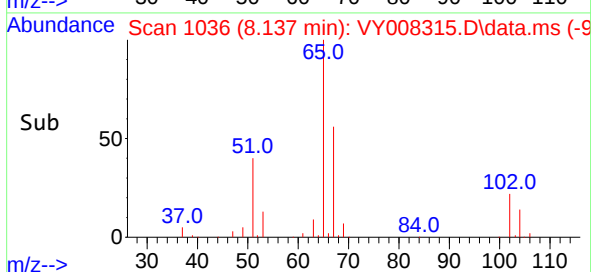
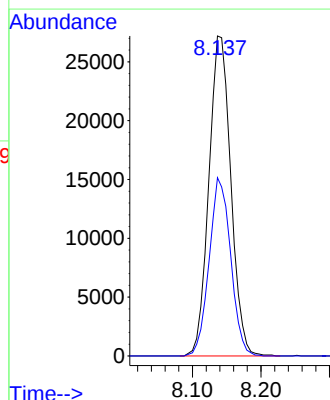
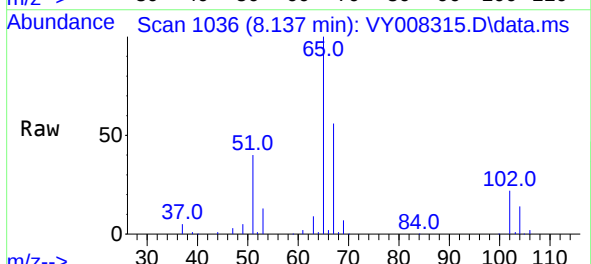
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-05-041122

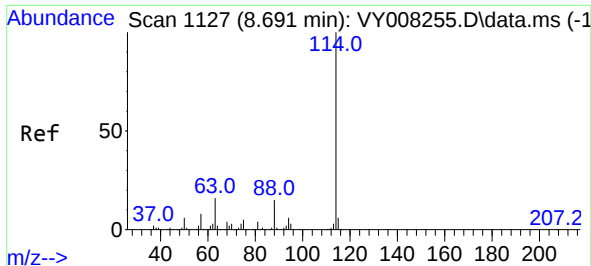
Tgt Ion:168 Resp: 103701  
Ion Ratio Lower Upper  
168 100  
99 54.5 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 62.182 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VY008315.D  
Acq: 13 Apr 2022 16:13

Tgt Ion: 65 Resp: 60571  
Ion Ratio Lower Upper  
65 100  
67 54.5 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: VY008315.D

Acq: 13 Apr 2022 16:13

Instrument :

MSVOA\_Y

ClientSampleId :

AU-05-041122

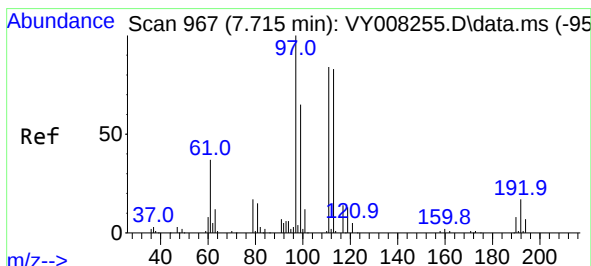
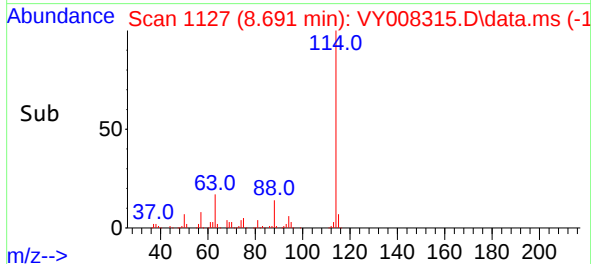
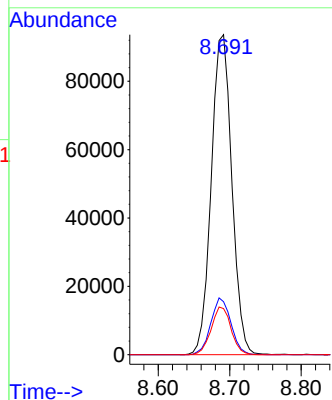
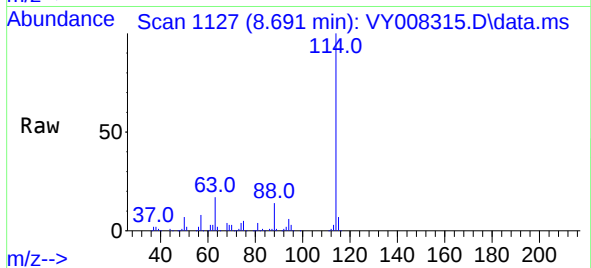
Tgt Ion:114 Resp: 187150

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.814 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008315.D

Acq: 13 Apr 2022 16:13

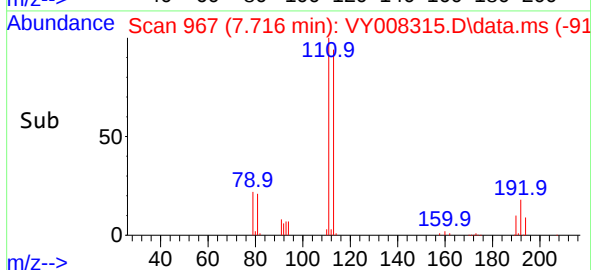
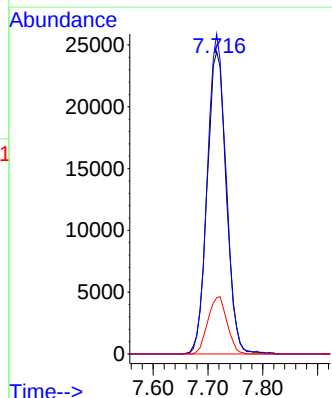
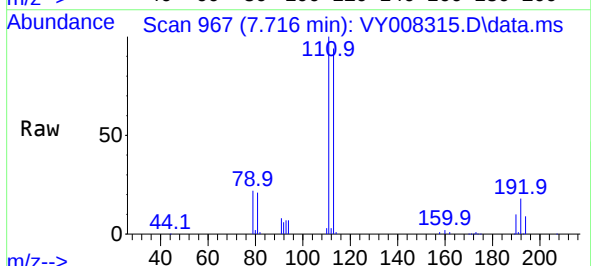
Tgt Ion:113 Resp: 59251

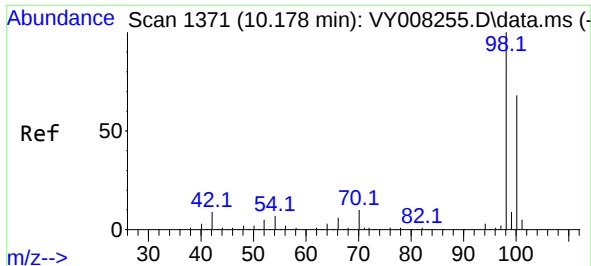
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 18.9 17.6 26.4

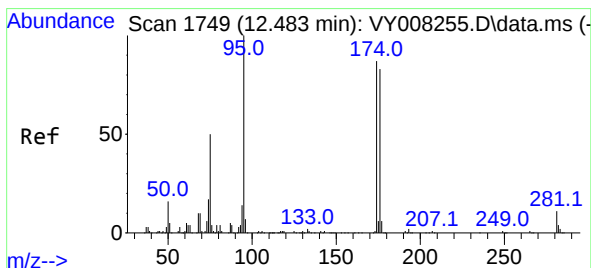
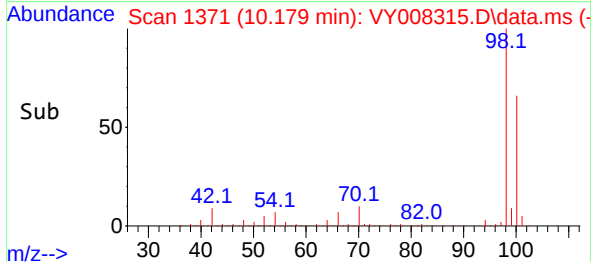
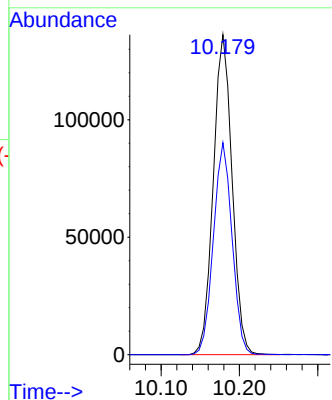
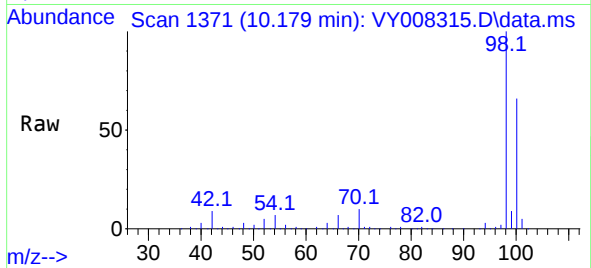




#50  
Toluene-d8  
Concen: 61.420 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008315.D  
Acq: 13 Apr 2022 16:13

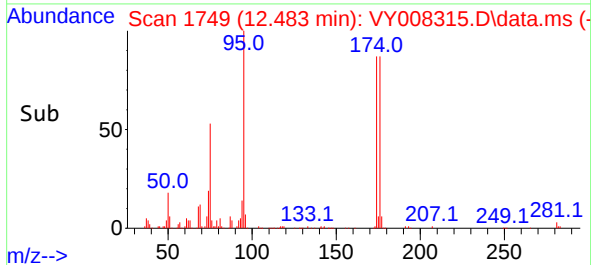
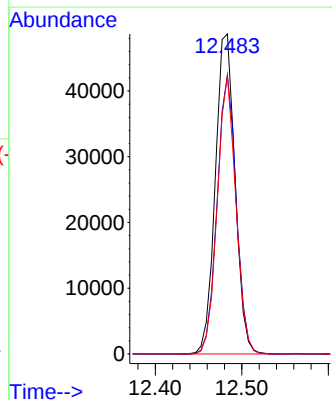
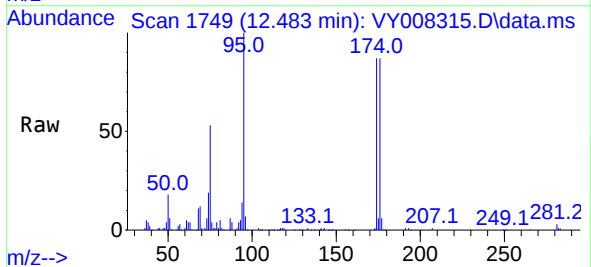
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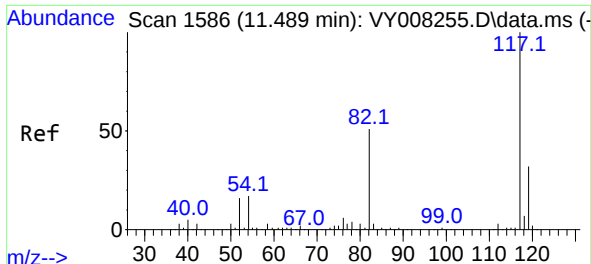
Tgt Ion: 98 Resp: 227178  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 55.314 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008315.D  
Acq: 13 Apr 2022 16:13

Tgt Ion: 95 Resp: 76953  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 177.0  
176 81.8 0.0 175.8

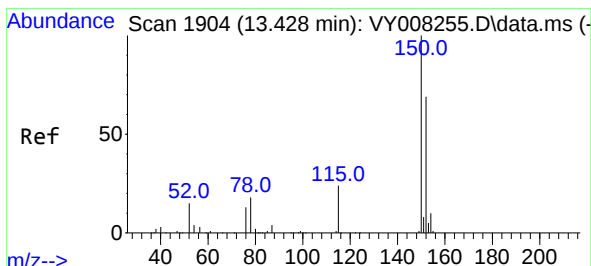
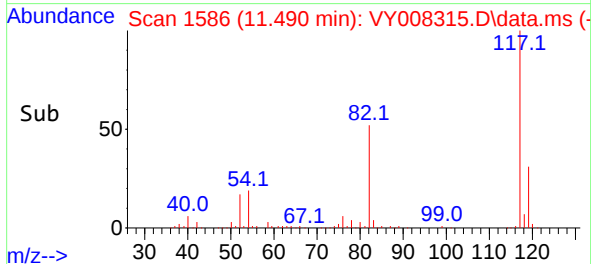
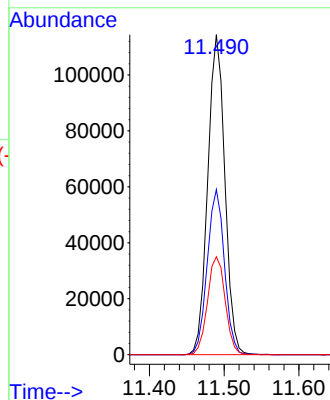
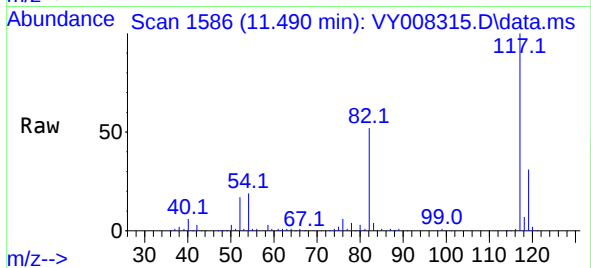




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY008315.D  
Acq: 13 Apr 2022 16:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-05-041122

Tgt Ion:117 Resp: 181984  
Ion Ratio Lower Upper  
117 100  
82 51.6 43.0 64.4  
119 30.6 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: VY008315.D  
Acq: 13 Apr 2022 16:13

Tgt Ion:152 Resp: 80181  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.2 84.7  
150 156.7 0.0 347.6

