

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032122\  
 Data File : VY007973.D  
 Acq On : 21 Mar 2022 23:56  
 Operator : SY/MD  
 Sample : N1864-06  
 Misc : 5.23g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MB-B2-030922-5-6

Quant Time: Mar 22 03:43:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 15449    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 28538    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 24539    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 9000     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 11003    | 62.465   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.920% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 9038     | 45.095   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.200%  |
| 50) Toluene-d8              | 10.179 | 98    | 33753    | 56.550   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 113.100% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 10648    | 37.018   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 74.040%  |

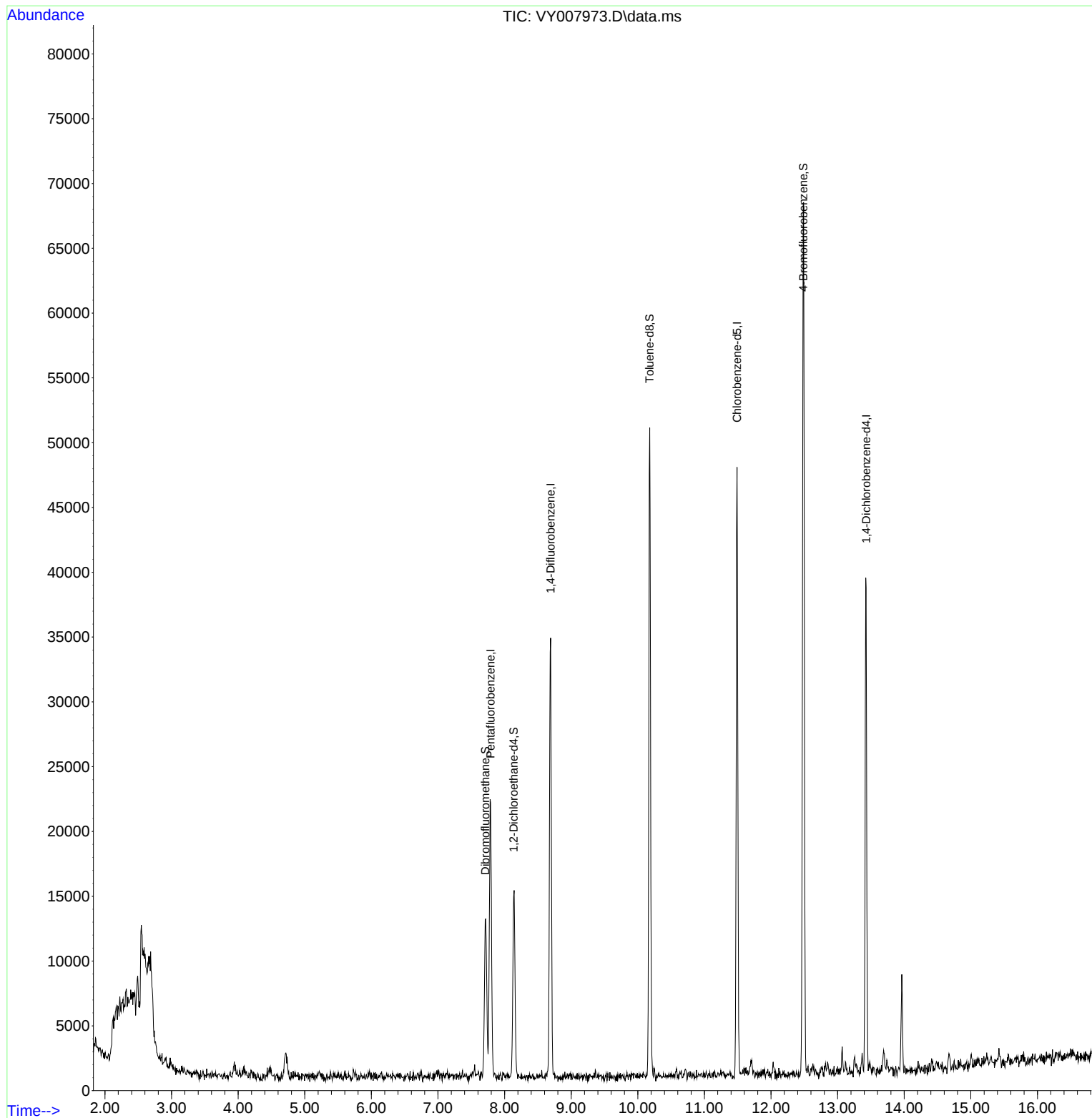
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

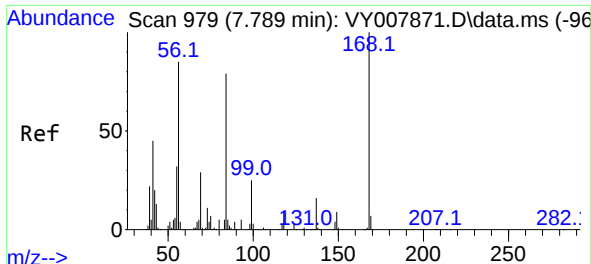
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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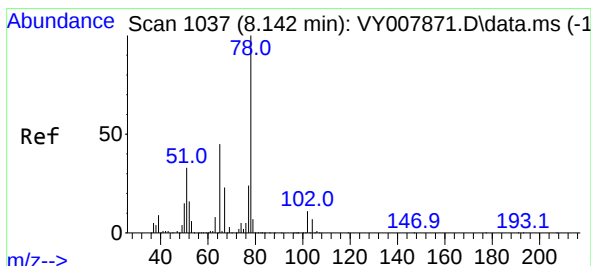
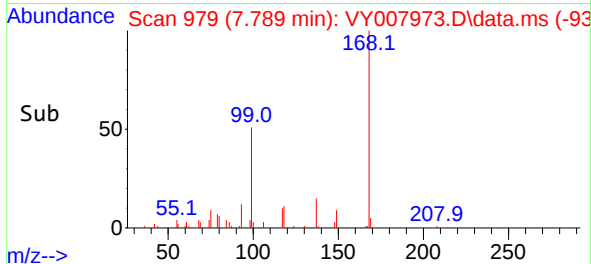
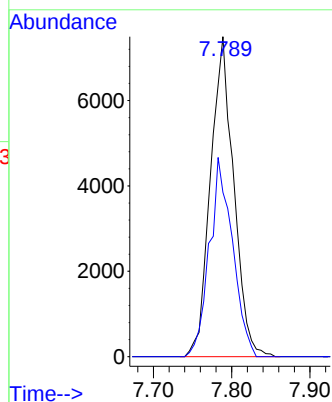
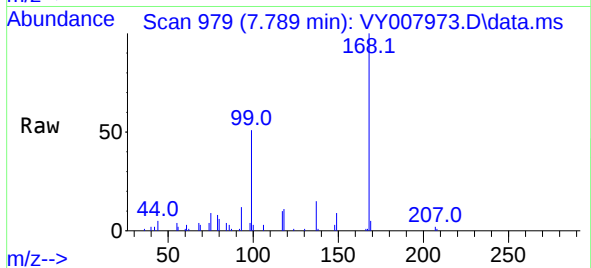




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007973.D  
Acq: 21 Mar 2022 23:56

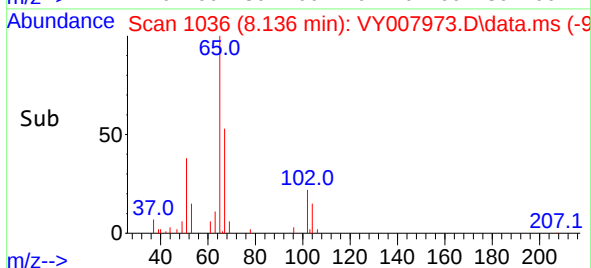
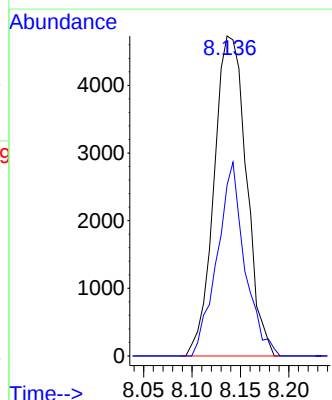
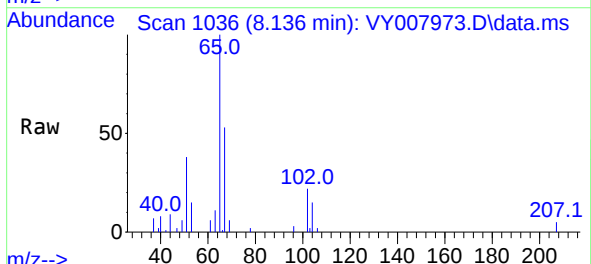
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MB-B2-030922-5-6

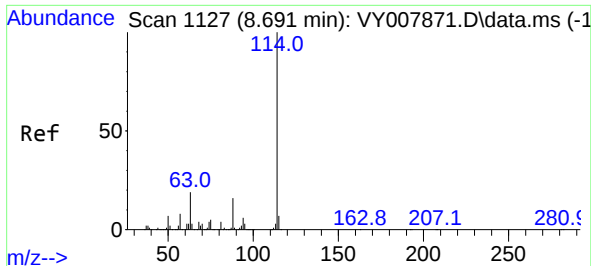
Tgt Ion:168 Resp: 15449  
Ion Ratio Lower Upper  
168 100  
99 51.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 62.465 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY007973.D  
Acq: 21 Mar 2022 23:56

Tgt Ion: 65 Resp: 11003  
Ion Ratio Lower Upper  
65 100  
67 51.7 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: VY007973.D

Acq: 21 Mar 2022 23:56

Instrument :

MSVOA\_Y

ClientSampleId :

MB-B2-030922-5-6

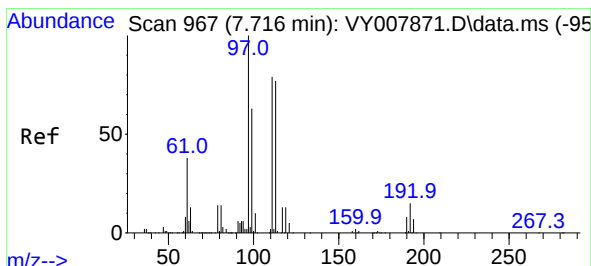
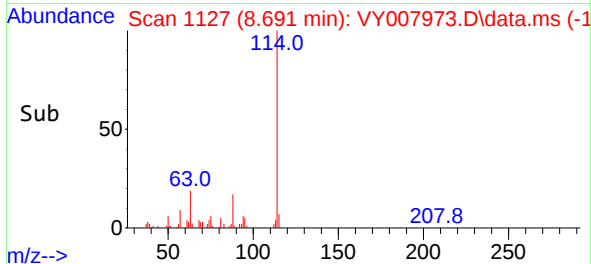
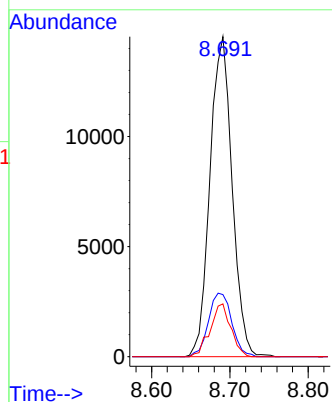
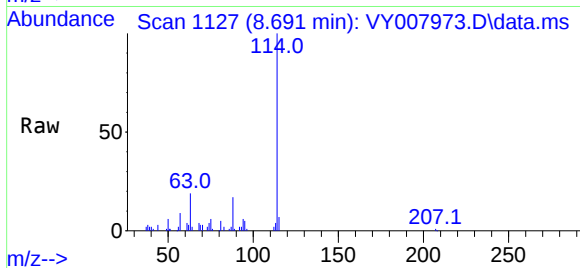
Tgt Ion:114 Resp: 28538

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 16.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.095 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY007973.D

Acq: 21 Mar 2022 23:56

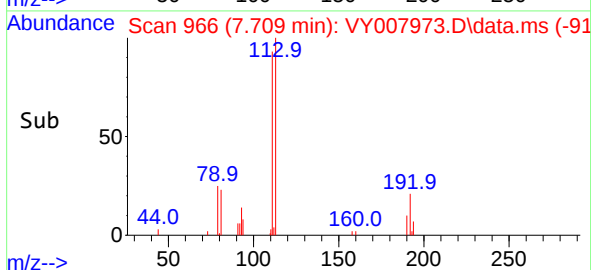
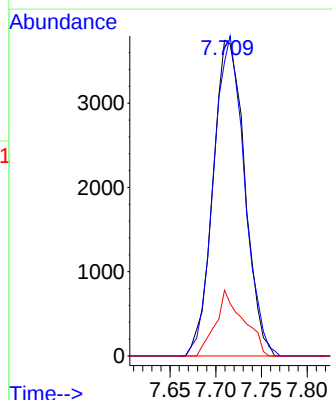
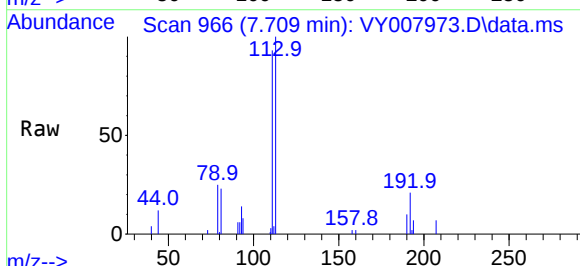
Tgt Ion:113 Resp: 9038

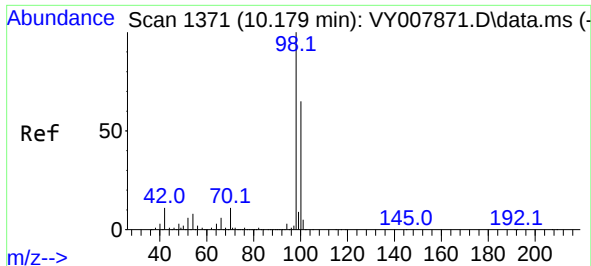
Ion Ratio Lower Upper

113 100

111 98.5 82.6 124.0

192 18.4 17.6 26.4

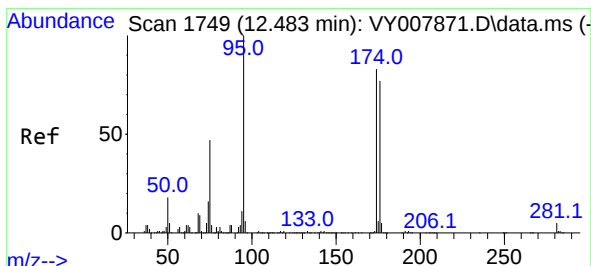
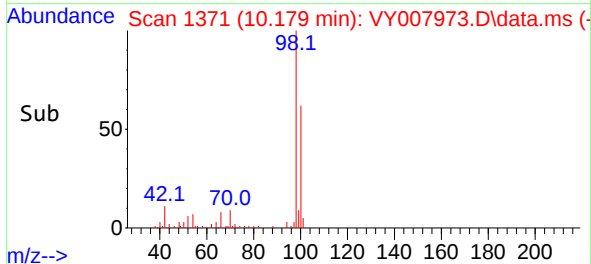
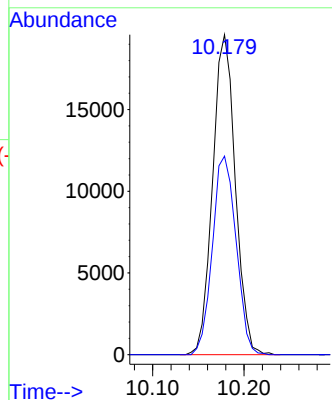
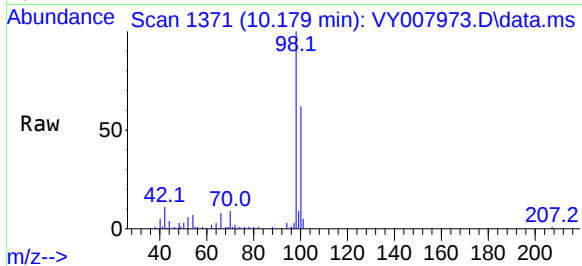




#50  
Toluene-d8  
Concen: 56.550 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007973.D  
Acq: 21 Mar 2022 23:56

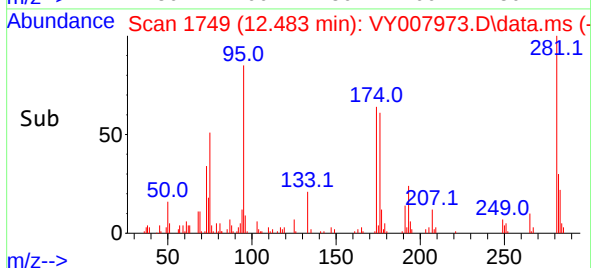
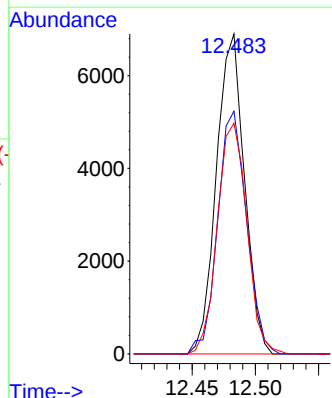
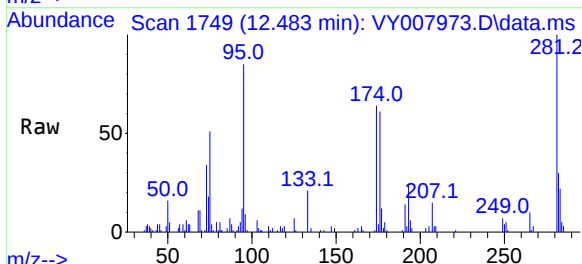
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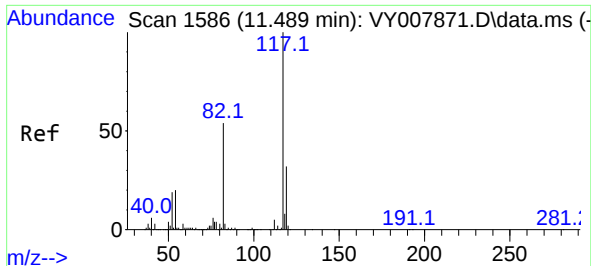
Tgt Ion: 98 Resp: 33753  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.018 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007973.D  
Acq: 21 Mar 2022 23:56

Tgt Ion: 95 Resp: 10648  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 177.0  
176 75.8 0.0 175.8

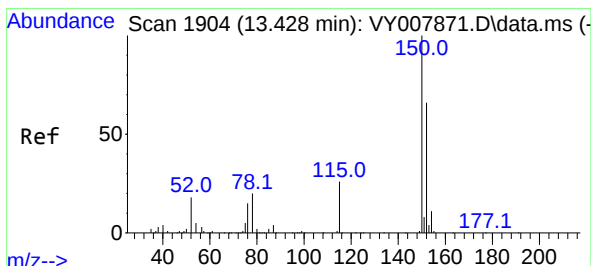
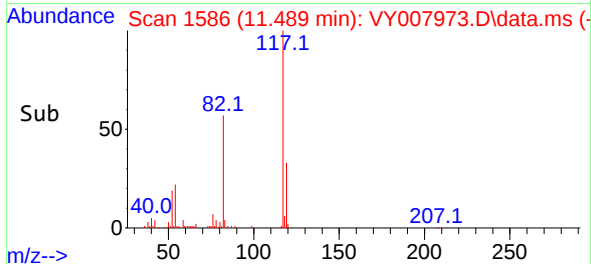
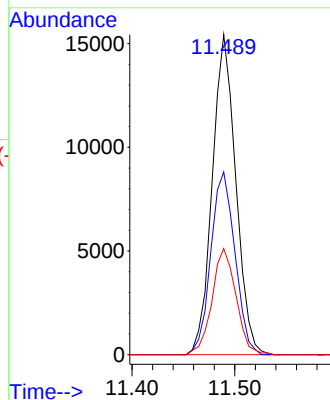
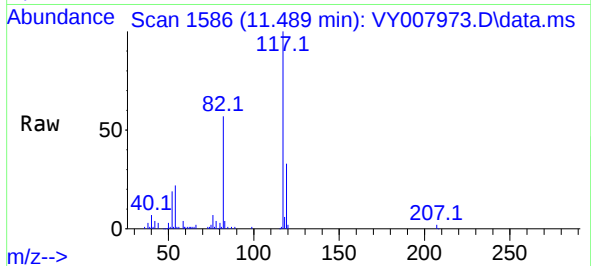




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY007973.D  
Acq: 21 Mar 2022 23:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MB-B2-030922-5-6

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 24539       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 57.1  | 43.0 64.4   |
| 119         | 33.2  | 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: VY007973.D  
Acq: 21 Mar 2022 23:56

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 9000        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 59.5  | 28.2 84.7   |
| 150         | 156.3 | 0.0 347.6   |

