

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120122\  
 Data File : VY011668.D  
 Acq On : 01 Dec 2022 17:26  
 Operator : KP/MD  
 Sample : N5809-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HOWE-DRUM-A-1129

Quant Time: Dec 02 03:23:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 1704     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 4254     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 6051     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 1863     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 4195     | 242.453  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 484.900%# |
| 35) Dibromofluoromethane    | 7.710  | 113   | 1443     | 55.103   | ug/l | -0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.200%  |
| 50) Toluene-d8              | 10.185 | 98    | 5488     | 57.670   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 115.340%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 2210     | 62.812   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 125.620%  |

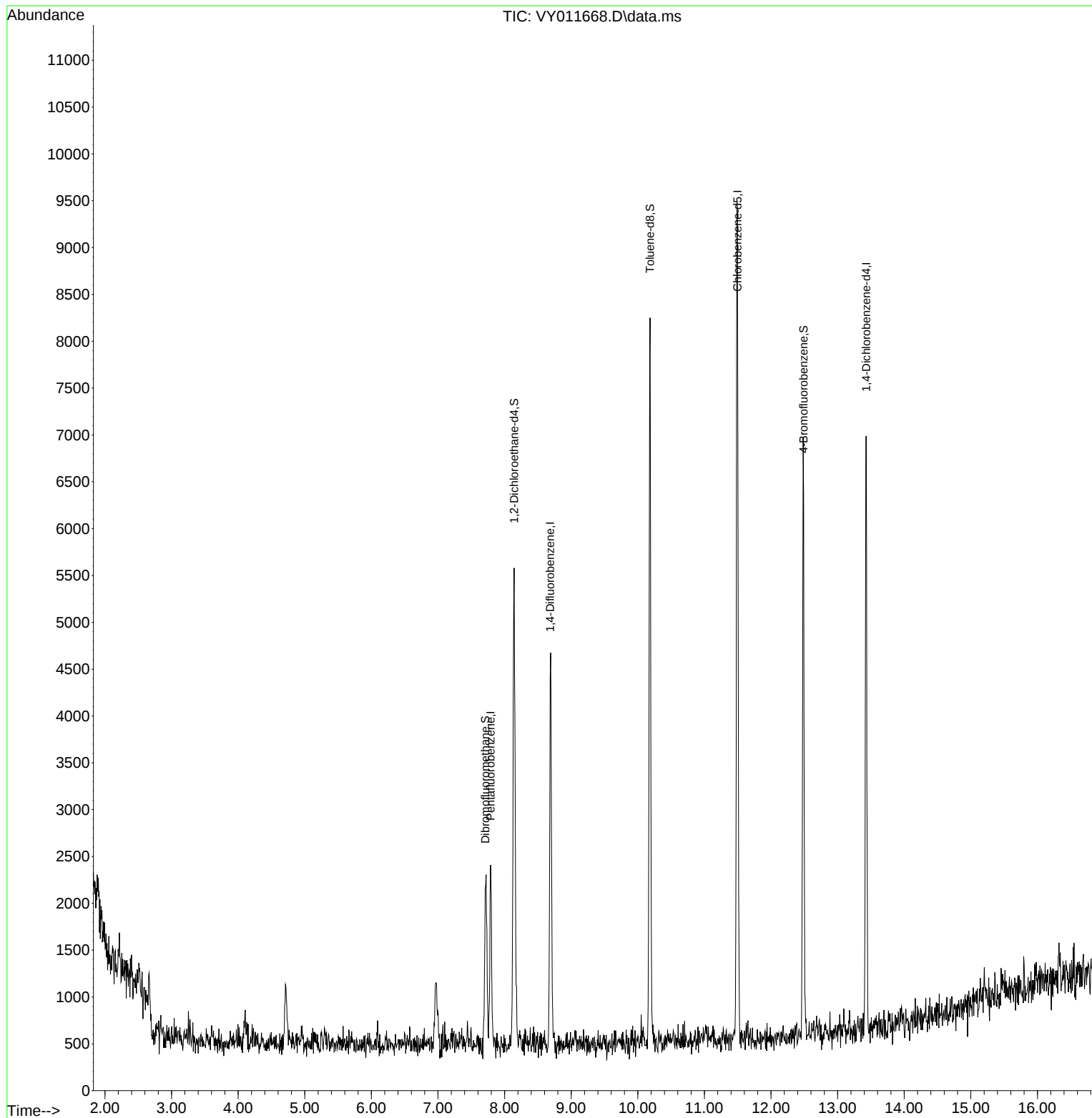
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

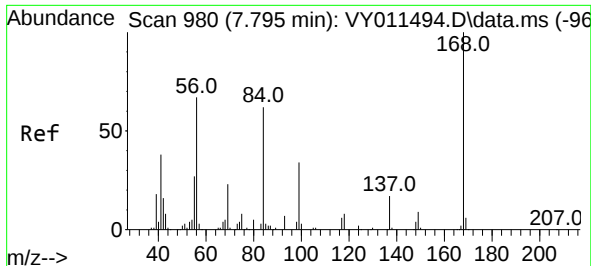
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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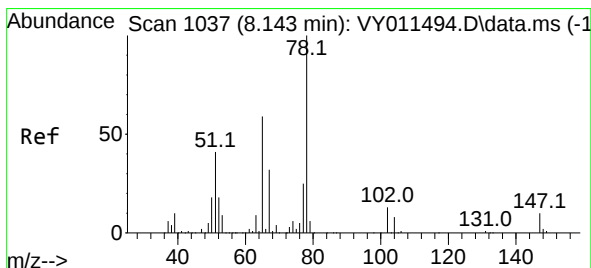
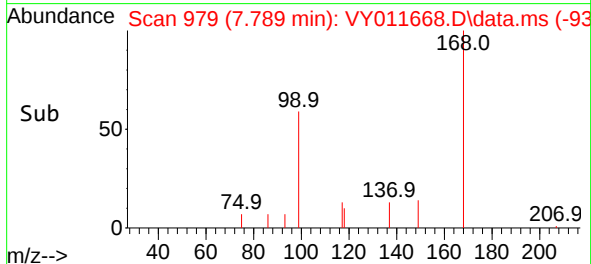
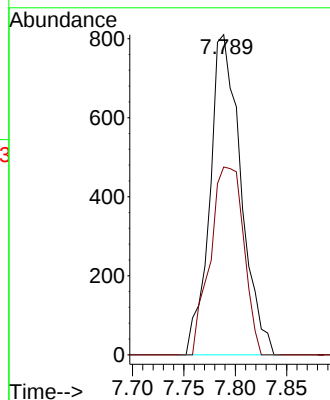
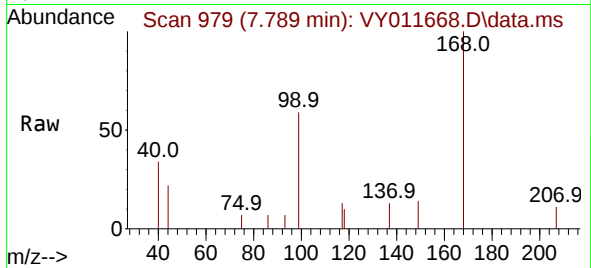




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011668.D  
Acq: 01 Dec 2022 17:26

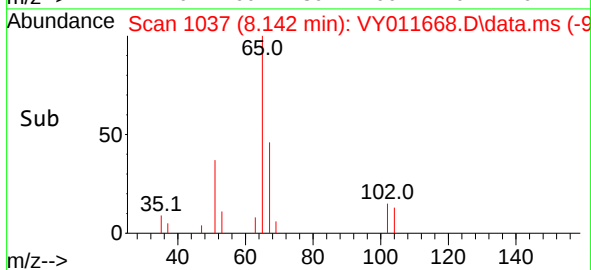
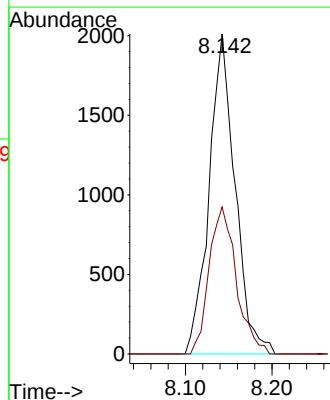
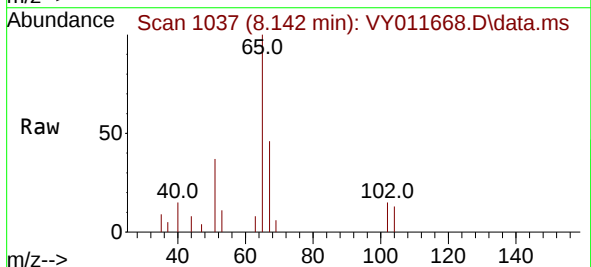
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HOWE-DRUM-A-1129

Tgt Ion:168 Resp: 1704  
Ion Ratio Lower Upper  
168 100  
99 58.6 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 242.453 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011668.D  
Acq: 01 Dec 2022 17:26

Tgt Ion: 65 Resp: 4195  
Ion Ratio Lower Upper  
65 100  
67 48.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

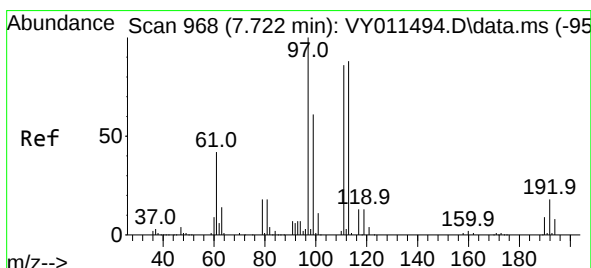
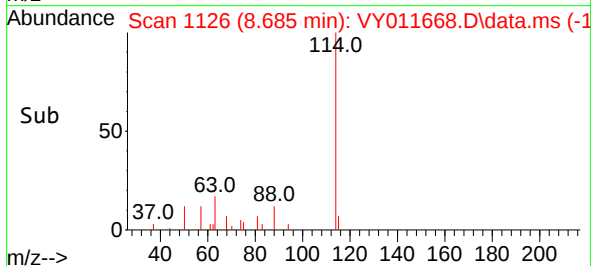
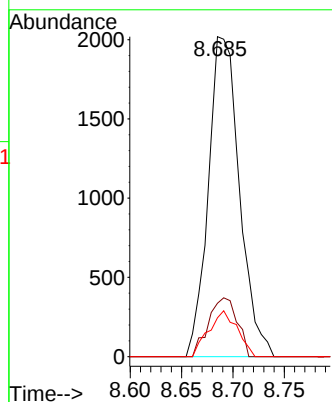
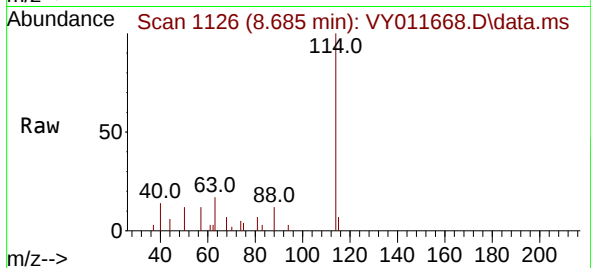
Instrument :

MSVOA\_Y

ClientSampleId :

HOWE-DRUM-A-1129

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 4254     |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 16.7  | 0.0 43.2 |
| 88          | 12.1  | 0.0 31.8 |



#35

Dibromofluoromethane

Concen: 55.103 ug/l

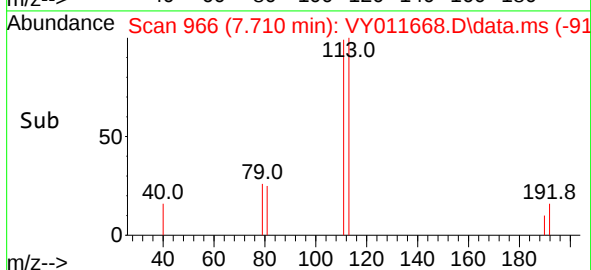
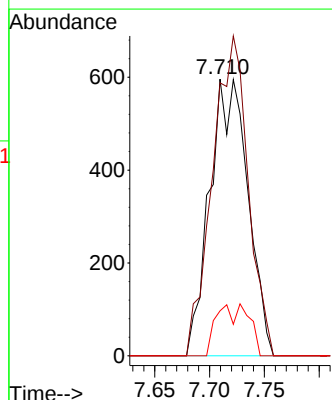
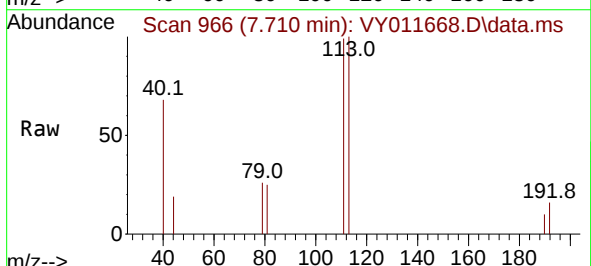
RT: 7.710 min Scan# 966

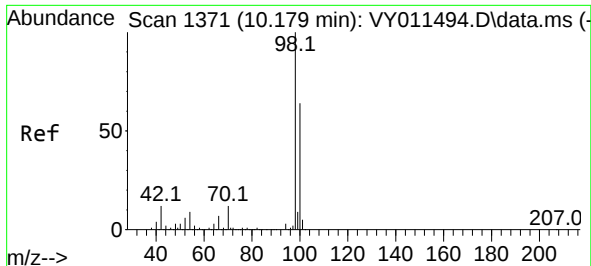
Delta R.T. -0.012 min

Lab File: VY011668.D

Acq: 01 Dec 2022 17:26

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 1443       |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 108.0 | 82.6 124.0 |
| 192         | 8.9   | 17.6 26.4  |

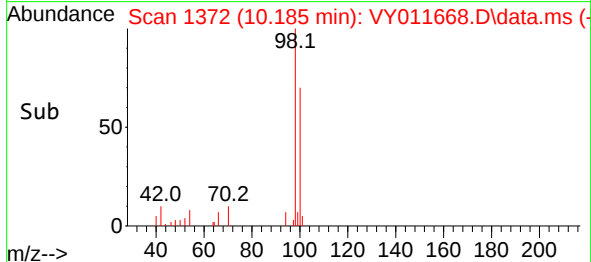
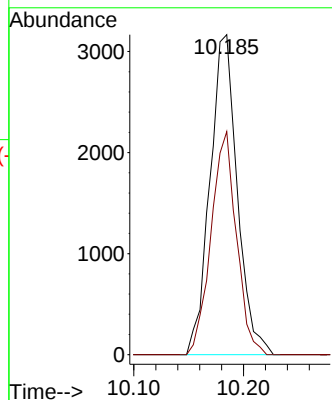
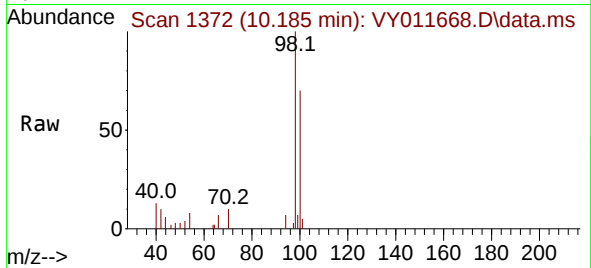




#50  
Toluene-d8  
Concen: 57.670 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY011668.D  
Acq: 01 Dec 2022 17:26

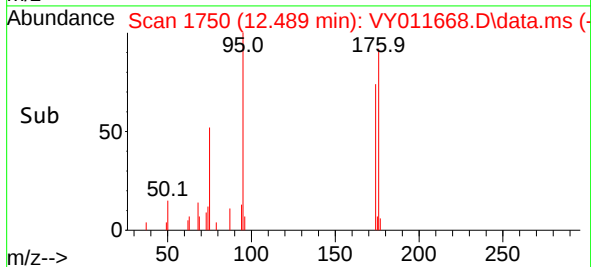
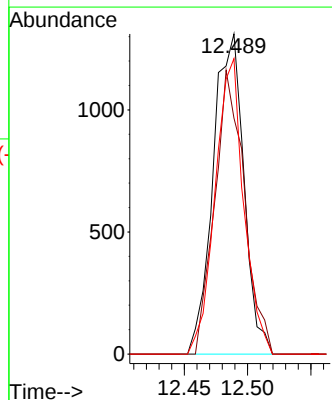
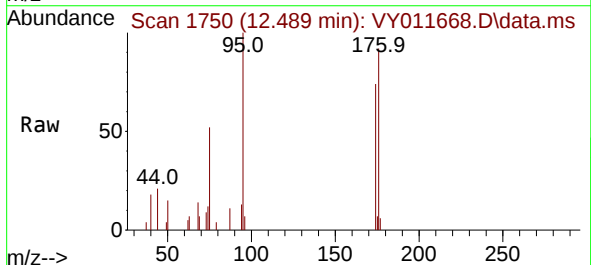
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HOWE-DRUM-A-1129

Tgt Ion: 98 Resp: 5488  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 62.812 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY011668.D  
Acq: 01 Dec 2022 17:26

Tgt Ion: 95 Resp: 2210  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 177.0  
176 86.1 0.0 175.8

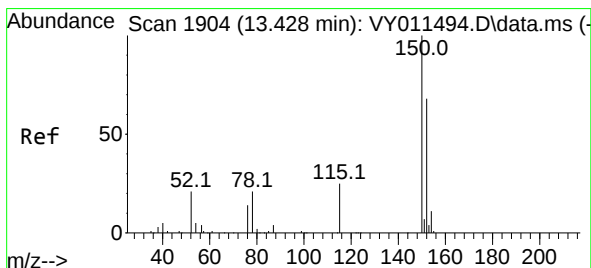
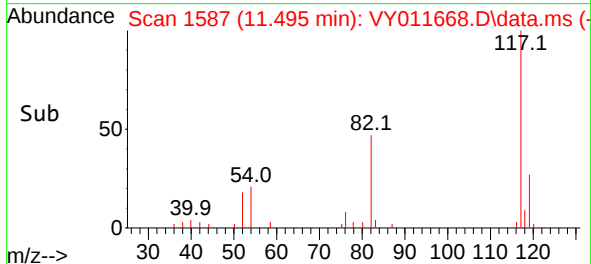
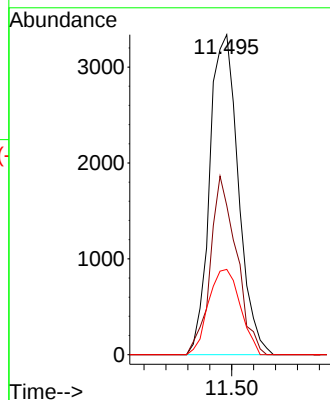
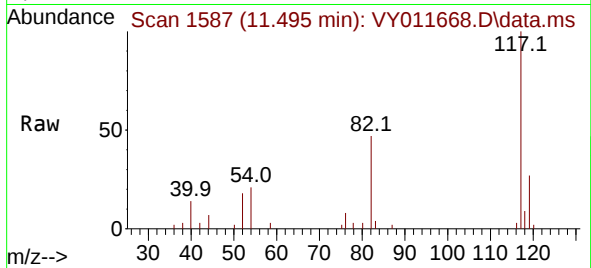




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011668.D  
Acq: 01 Dec 2022 17:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HOWE-DRUM-A-1129

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 6051        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 46.6  | 43.0 64.4   |
| 119         | 26.7  | 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: VY011668.D  
Acq: 01 Dec 2022 17:26

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1863        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 59.0  | 28.2 84.7   |
| 150         | 160.1 | 0.0 347.6   |

