

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121322\  
 Data File : VY011797.D  
 Acq On : 13 Dec 2022 16:33  
 Operator : KP/MD  
 Sample : N5988-02RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11938RE

Quant Time: Dec 13 22:18:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 10 04:19:59 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 6311     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 9705     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 8260     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 2498     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 2358     | 55.258   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 110.520% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 1163     | 25.030   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 50.060%# |
| 50) Toluene-d8              | 10.185 | 98    | 5988     | 41.187   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 82.380%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 1967     | 33.446   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 66.900%  |

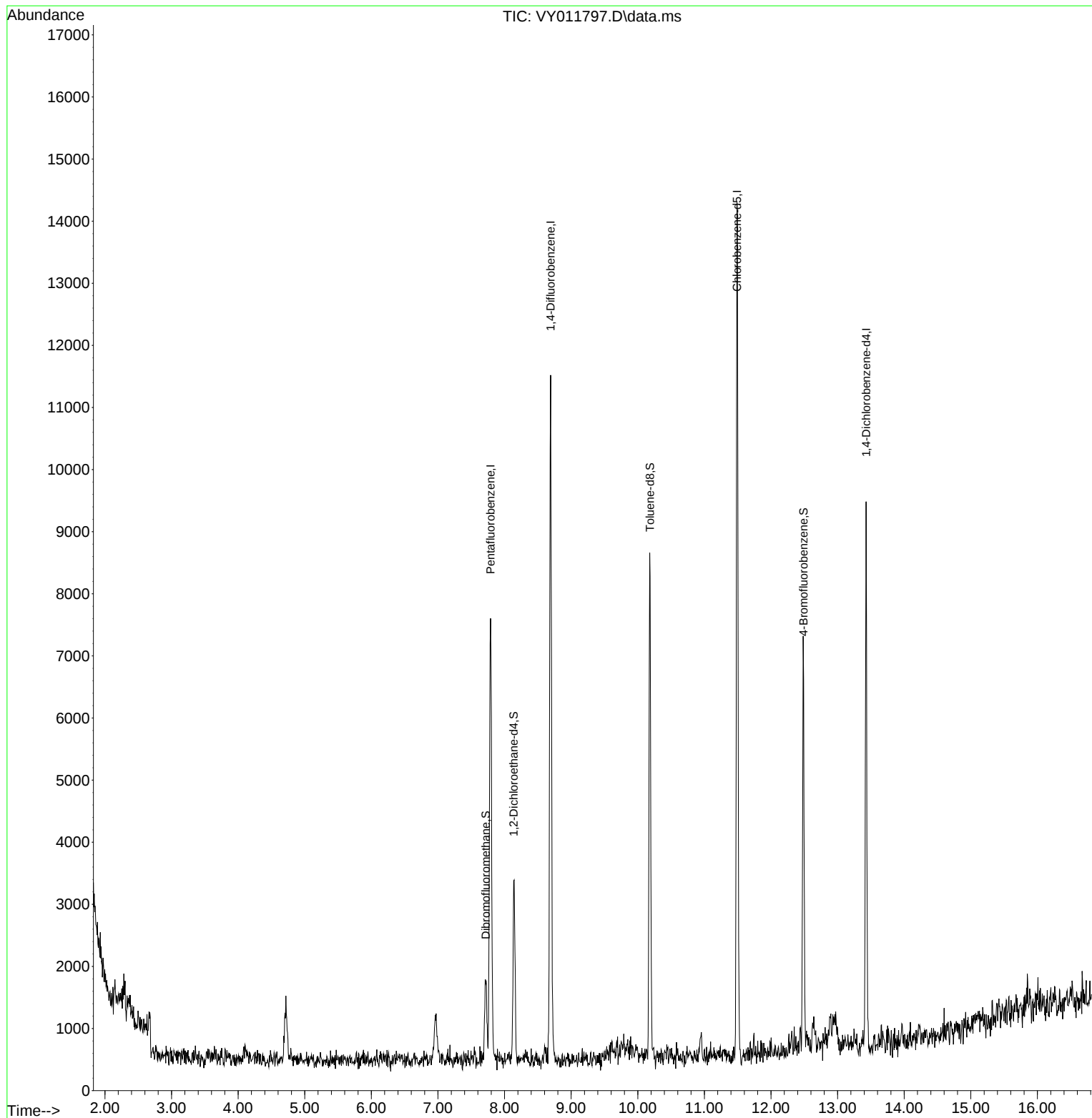
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

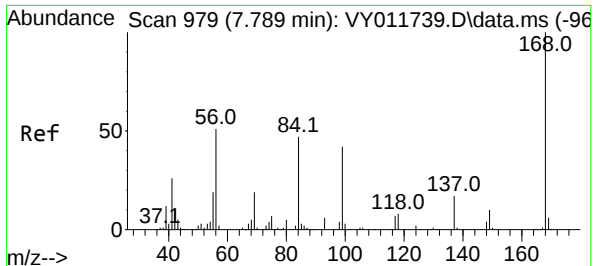
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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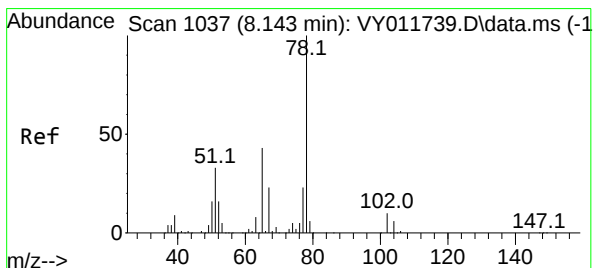
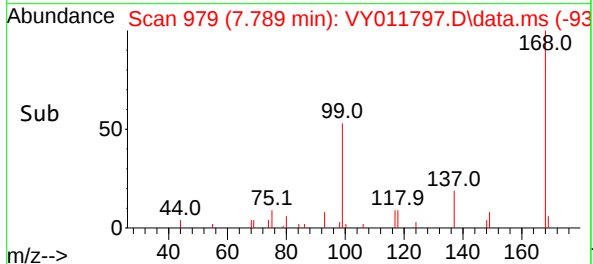
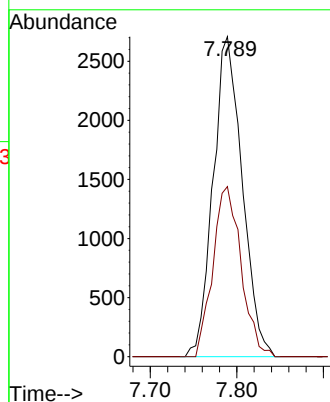
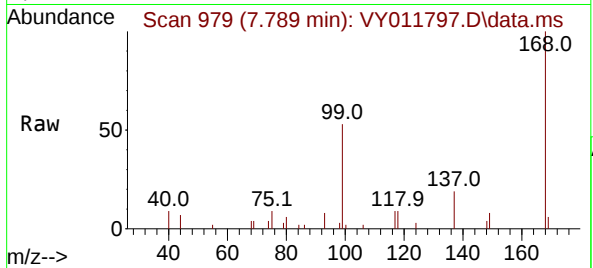




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

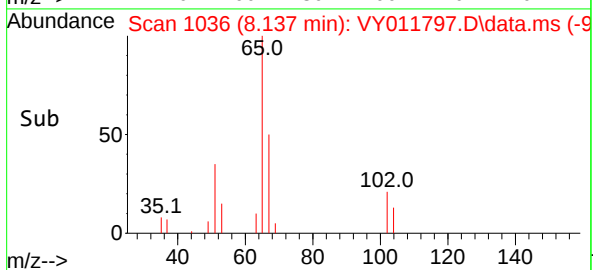
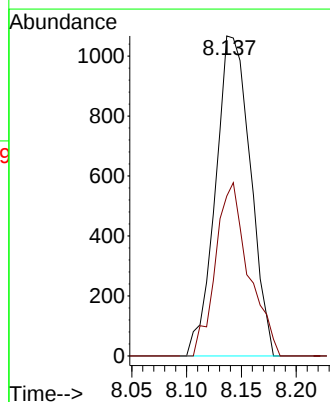
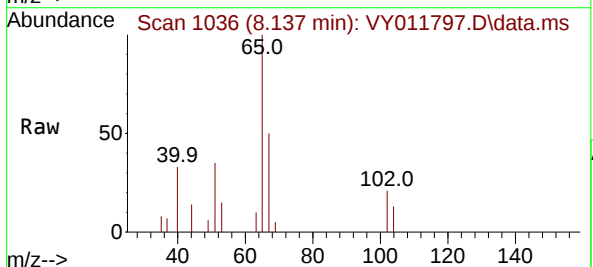
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11938RE

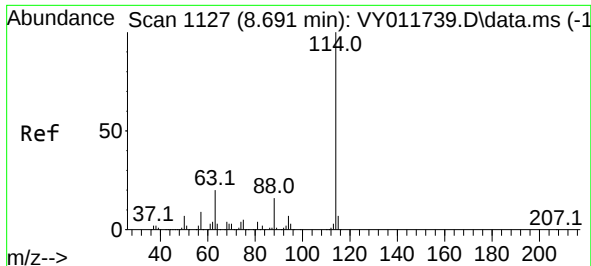
Tgt Ion:168 Resp: 6311  
Ion Ratio Lower Upper  
168 100  
99 53.1 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 55.258 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

Tgt Ion: 65 Resp: 2358  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011797.D

Acq: 13 Dec 2022 16:33

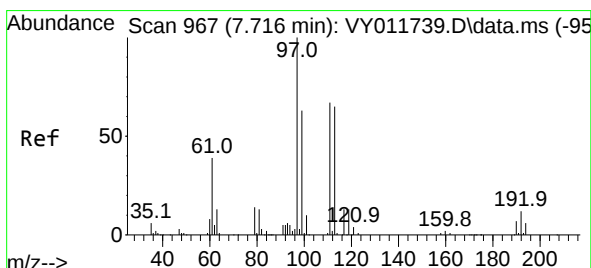
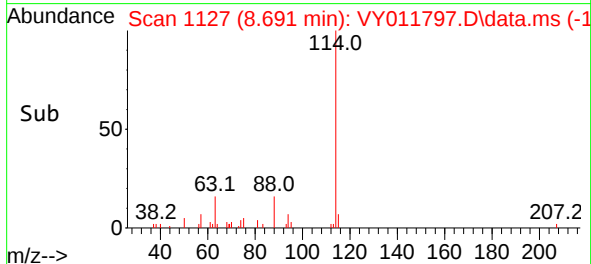
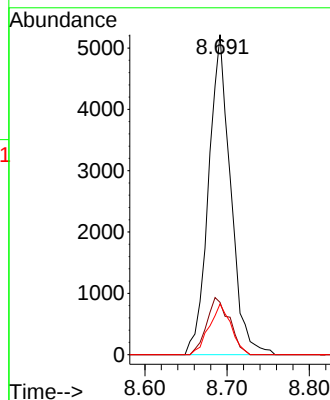
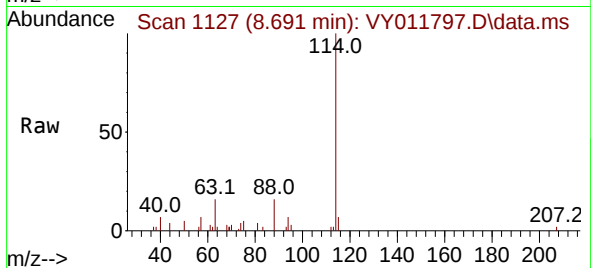
Instrument :

MSVOA\_Y

ClientSampleId :

72-11938RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 9705        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 16.3  | 0.0 39.6    |
| 88          | 15.8  | 0.0 32.2    |



#35

Dibromofluoromethane

Concen: 25.030 ug/l

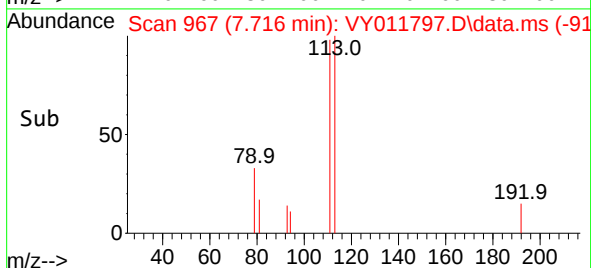
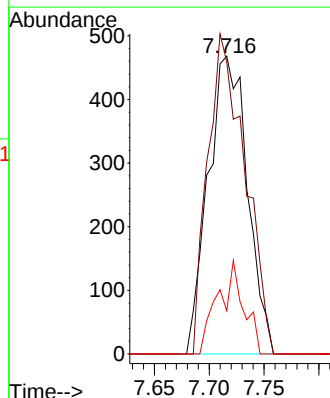
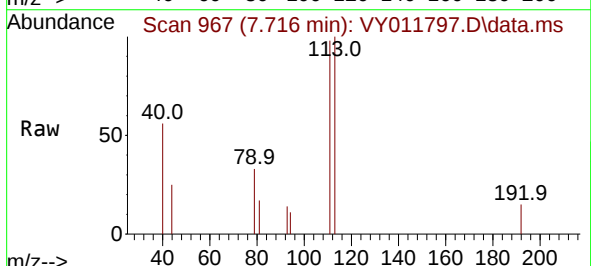
RT: 7.716 min Scan# 967

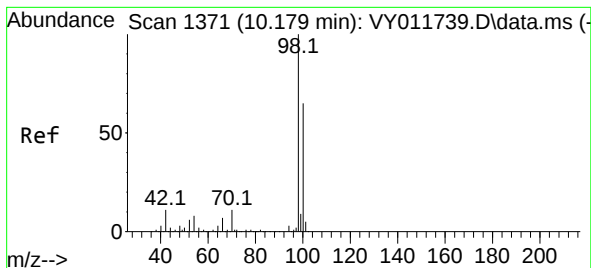
Delta R.T. -0.000 min

Lab File: VY011797.D

Acq: 13 Dec 2022 16:33

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1163        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 101.9 | 83.0 124.4  |
| 192         | 20.5  | 16.0 24.0   |

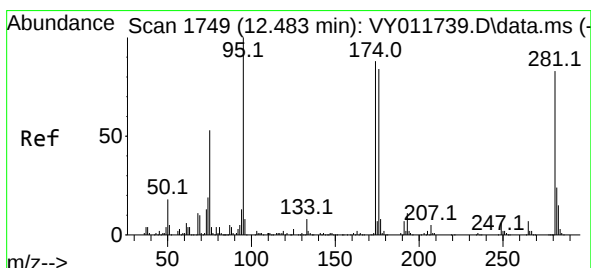
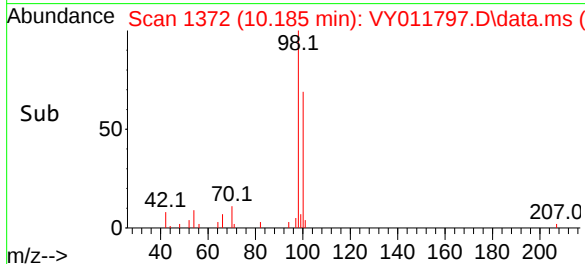
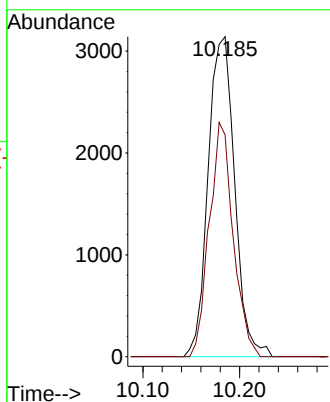
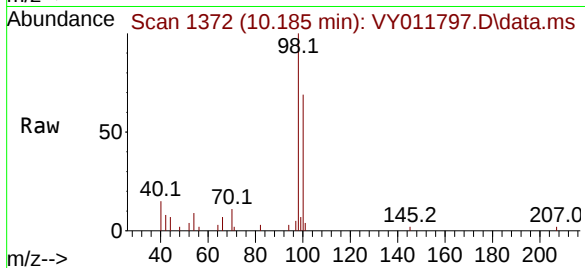




#50  
Toluene-d8  
Concen: 41.187 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

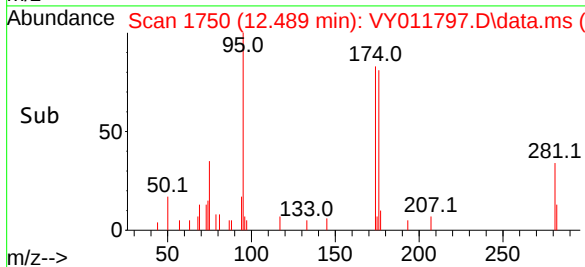
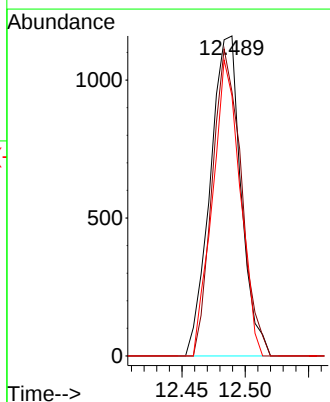
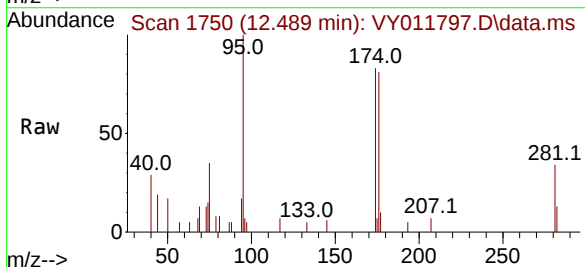
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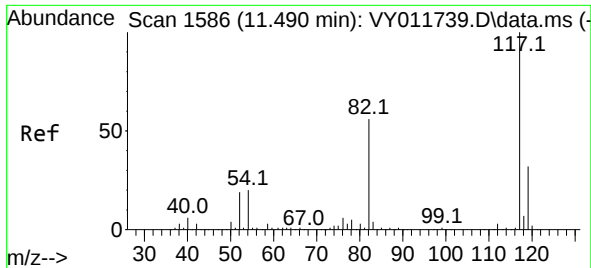
Tgt Ion: 98 Resp: 5988  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 33.446 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

Tgt Ion: 95 Resp: 1967  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 172.0  
176 83.0 0.0 167.6

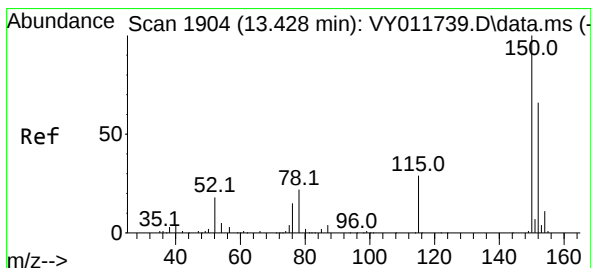
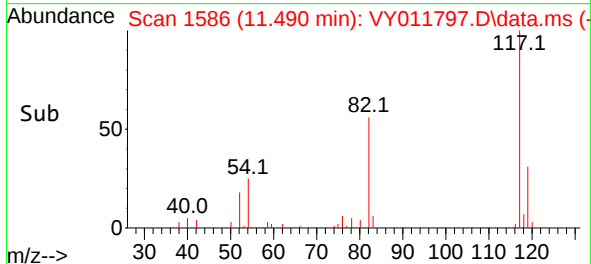
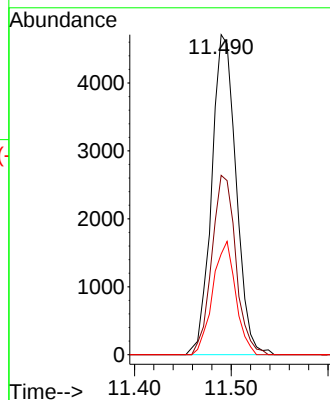
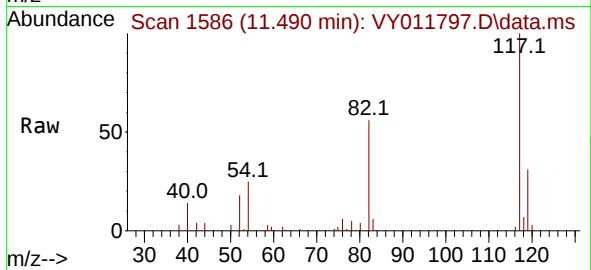




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11938RE

Tgt Ion:117 Resp: 8260  
Ion Ratio Lower Upper  
117 100  
82 56.1 44.8 67.2  
119 31.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011797.D  
Acq: 13 Dec 2022 16:33

Tgt Ion:152 Resp: 2498  
Ion Ratio Lower Upper  
152 100  
115 60.5 29.1 87.3  
150 151.2 0.0 342.6

