

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122022\  
 Data File : VY011925.D  
 Acq On : 20 Dec 2022 16:23  
 Operator : KP/MD  
 Sample : N6091-02RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-03-121522RE

Quant Time: Dec 21 00:09:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

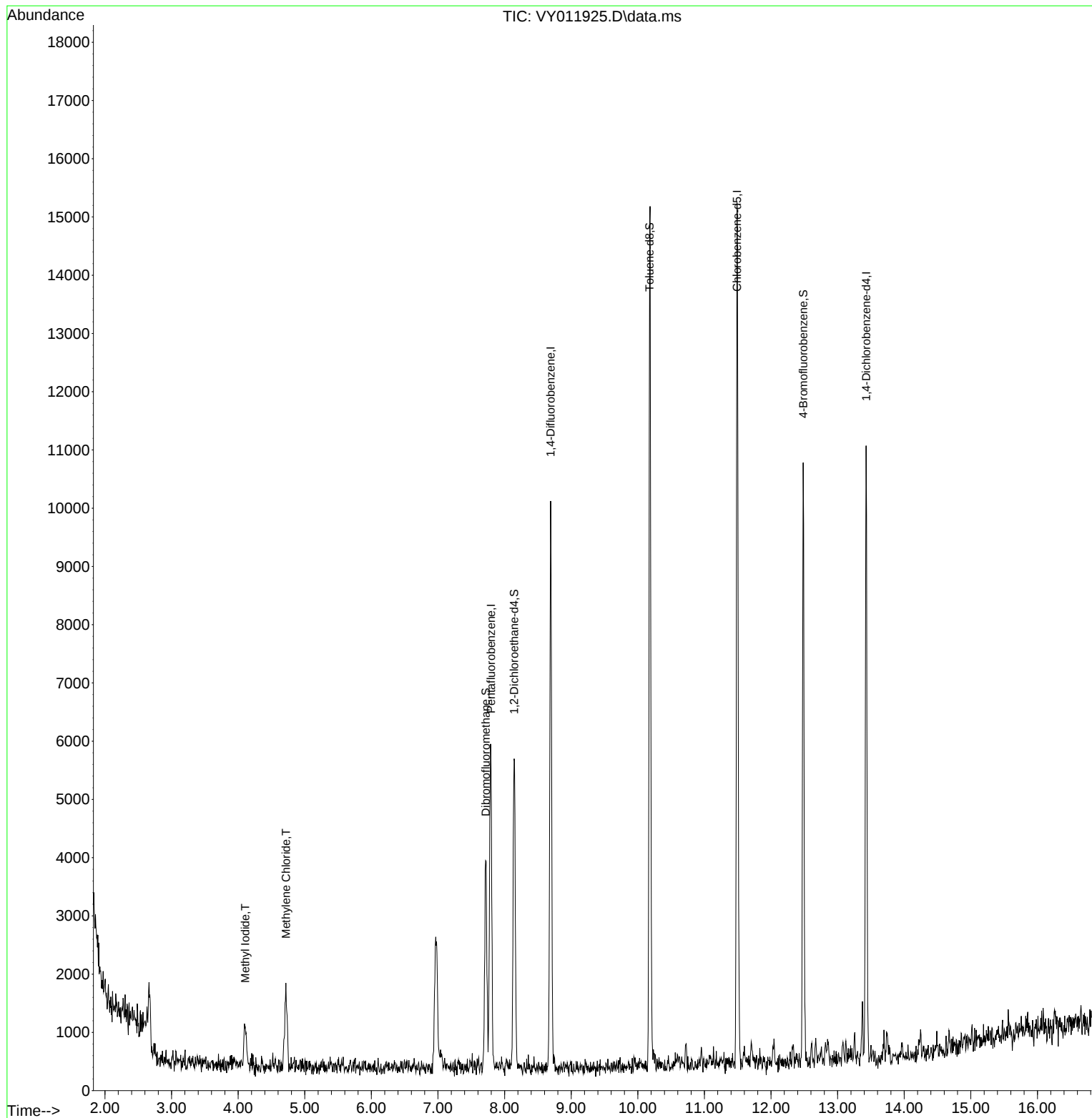
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 5032     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 8722     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 9043     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 3052     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 4869     | 96.043   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 192.080%# |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 2751     | 52.391   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.780%  |          |
| 50) Toluene-d8              | 10.179 | 98    | 10724    | 50.338   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 100.680%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 3344     | 46.671   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 93.340%   |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          | Qvalue      |          |
| 10) Methyl Iodide           | 4.107  | 142   | 1212     | 18.405   | ug/l #      | 91       |
| 20) Methylene Chloride      | 4.716  | 84    | 1017     | 12.972   | ug/l #      | 82       |
| -----                       |        |       |          |          |             |          |

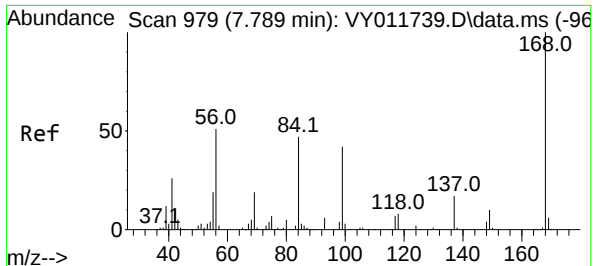
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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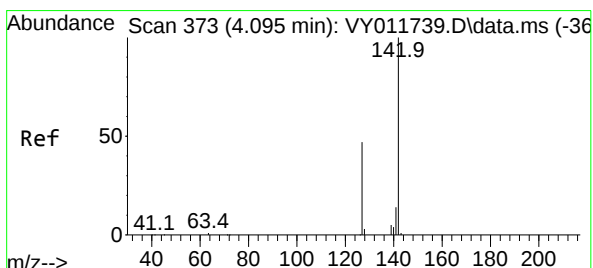
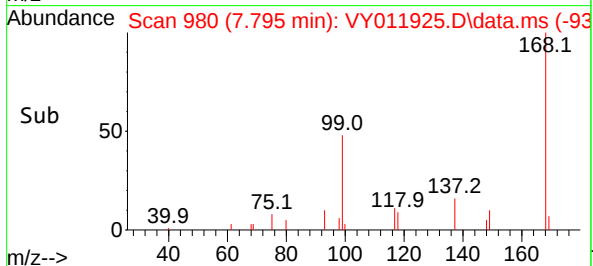
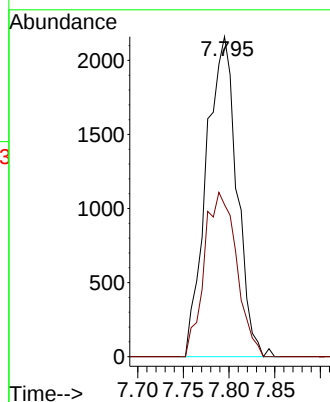
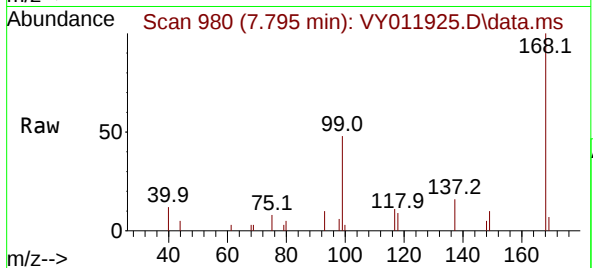




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

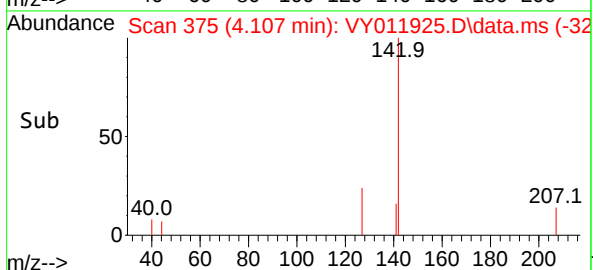
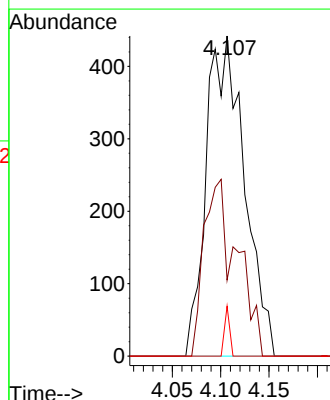
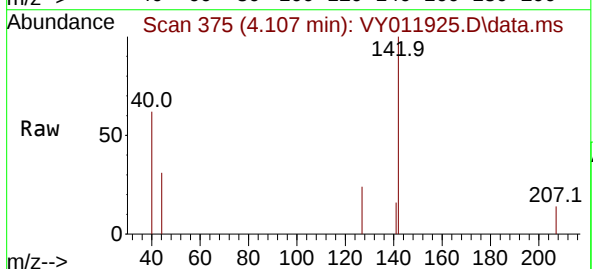
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BU-03-121522RE

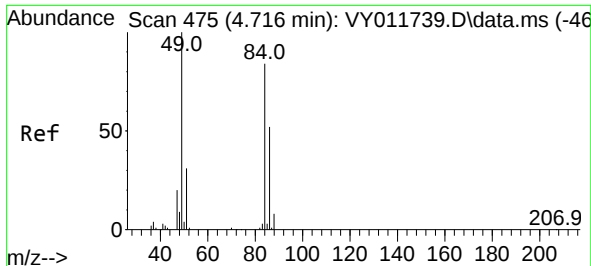
Tgt Ion:168 Resp: 5032  
Ion Ratio Lower Upper  
168 100  
99 47.5 44.0 66.0



#10  
Methyl Iodide  
Concen: 18.405 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. 0.012 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

Tgt Ion:142 Resp: 1212  
Ion Ratio Lower Upper  
142 100  
127 47.8 37.0 55.4  
141 2.1 11.4 17.0#

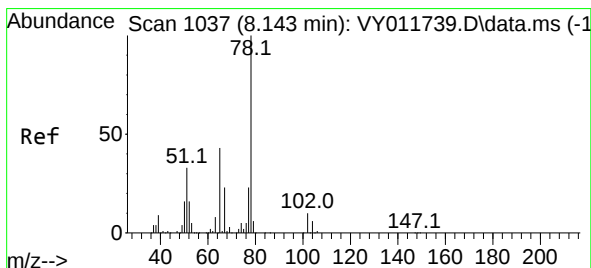
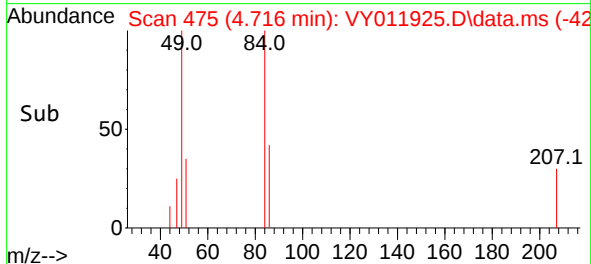
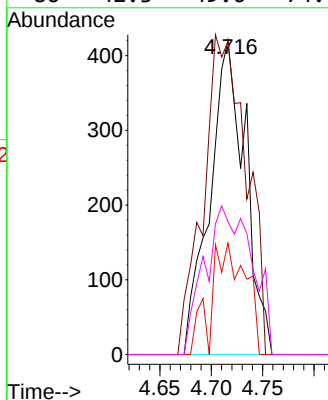
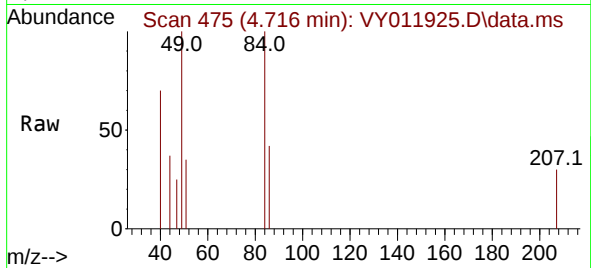




#20  
Methylene Chloride  
Concen: 12.972 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

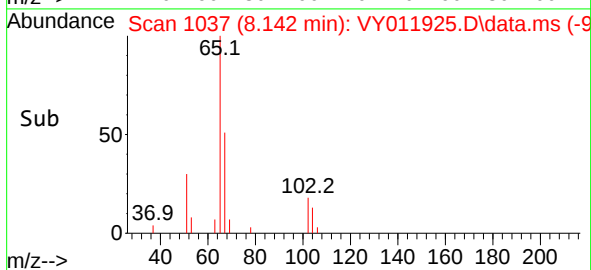
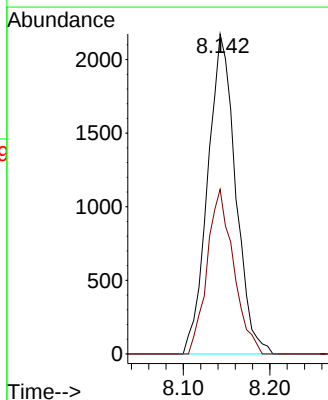
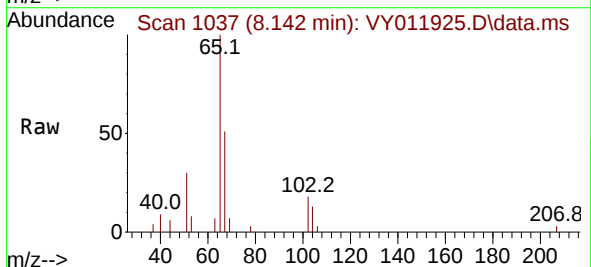
Instrument :  
MSVOA\_Y  
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BU-03-121522RE

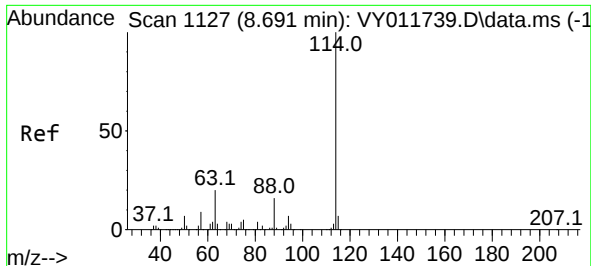
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1017  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 99.5  | 95.4  | 143.2 |
| 51       | 35.4  | 29.9  | 44.9  |
| 86       | 42.3  | 49.6  | 74.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 96.043 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 4869  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 48.6  | 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: VY011925.D

Acq: 20 Dec 2022 16:23

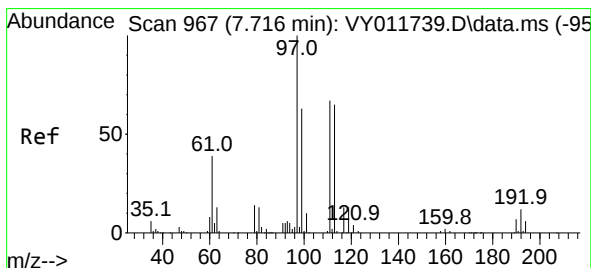
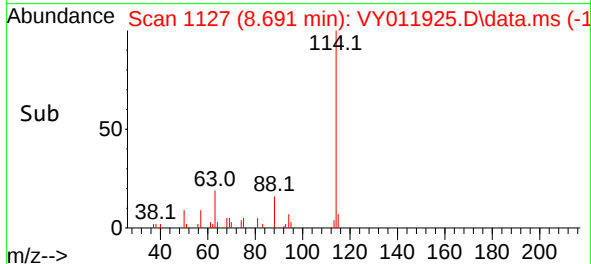
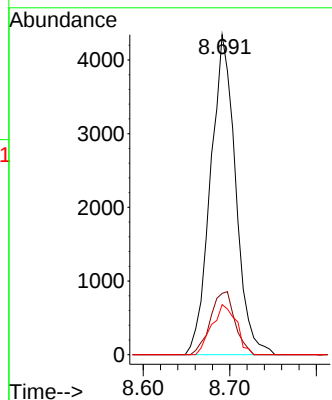
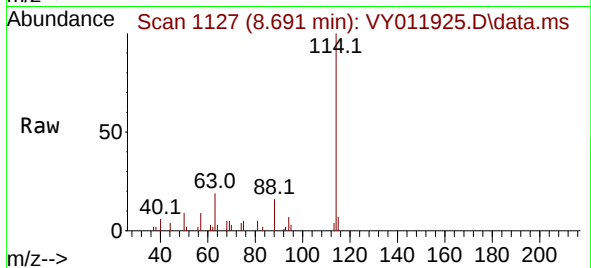
Instrument :

MSVOA\_Y

ClientSampleId :

BU-03-121522RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 8722        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 19.2  | 0.0 39.6    |
| 88          | 15.7  | 0.0 32.2    |



#35

Dibromofluoromethane

Concen: 52.391 ug/l

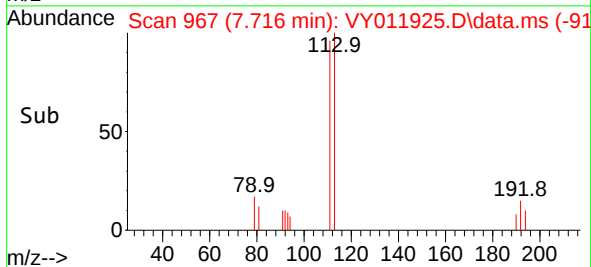
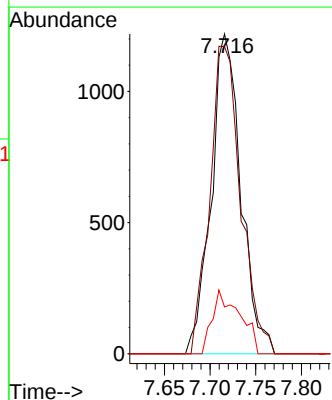
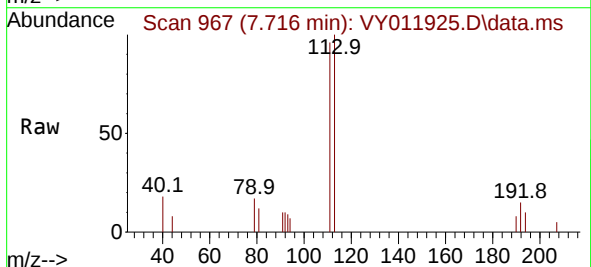
RT: 7.716 min Scan# 967

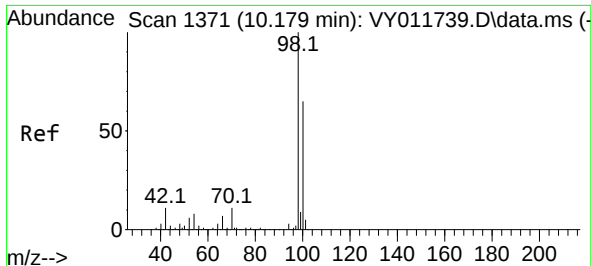
Delta R.T. -0.000 min

Lab File: VY011925.D

Acq: 20 Dec 2022 16:23

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 2751        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 100.6 | 83.0 124.4  |
| 192         | 18.4  | 16.0 24.0   |

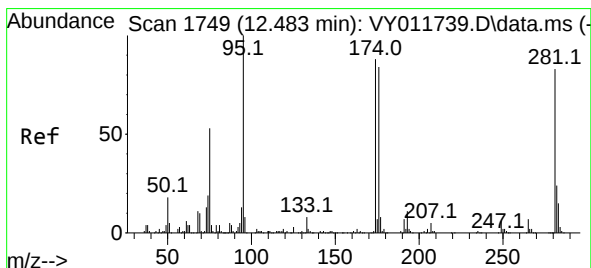
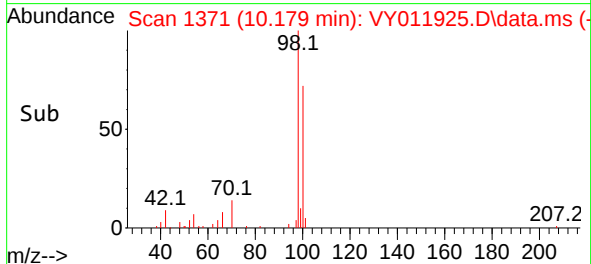
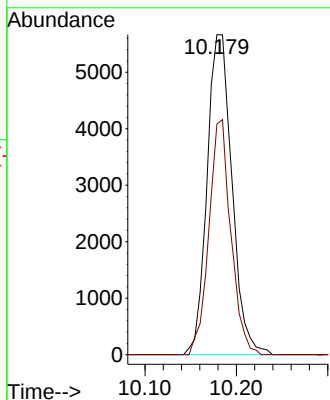
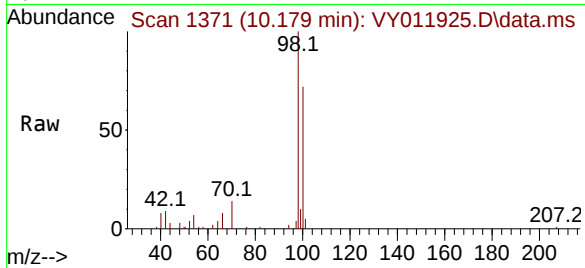




#50  
Toluene-d8  
Concen: 50.338 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

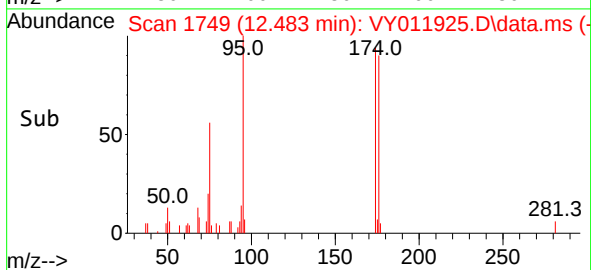
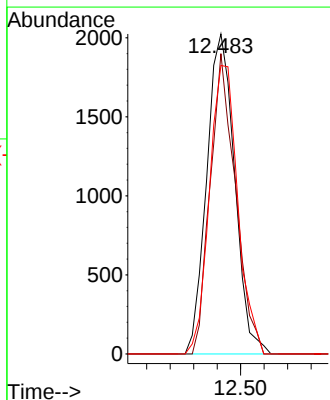
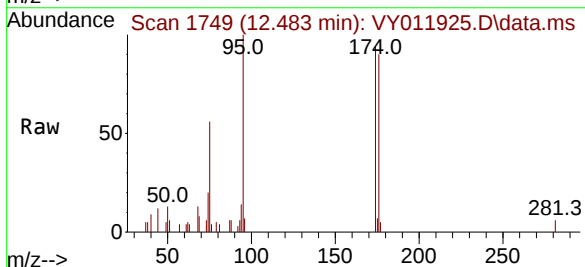
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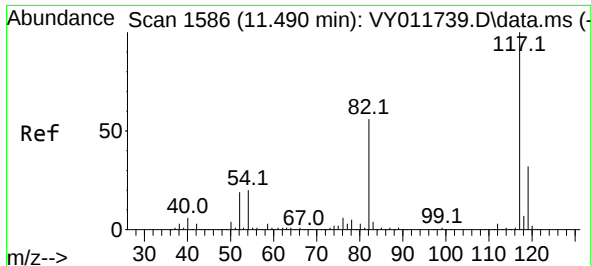
Tgt Ion: 98 Resp: 10724  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.671 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

Tgt Ion: 95 Resp: 3344  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 172.0  
176 91.3 0.0 167.6

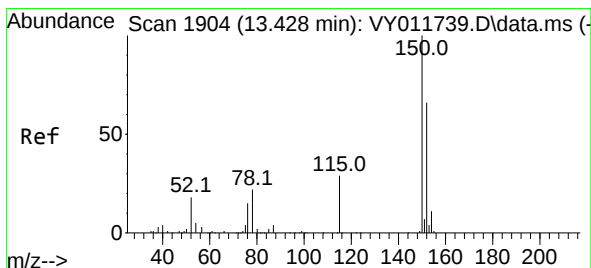
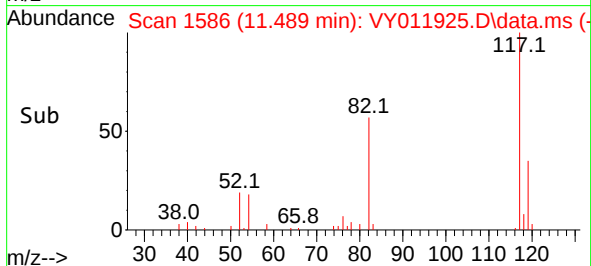
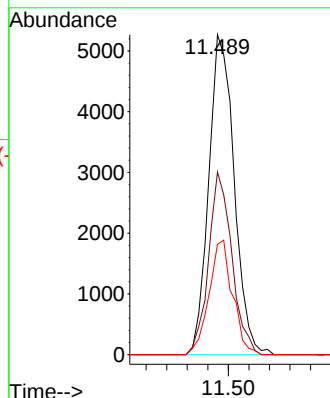
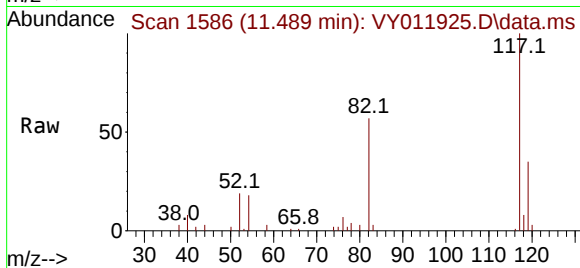




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011925.D  
Acq: 20 Dec 2022 16:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9043  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 57.1  | 44.8  | 67.2  |
| 119      | 34.5  | 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: VY011925.D  
Acq: 20 Dec 2022 16:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 3052  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.6  | 29.1  | 87.3  |
| 150      | 159.4 | 0.0   | 342.6 |

