

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092722\  
 Data File : VY010694.D  
 Acq On : 27 Sep 2022 13:44  
 Operator : KP/MD  
 Sample : N4751-02  
 Misc : 4.65g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-2

Quant Time: Sep 28 01:25:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

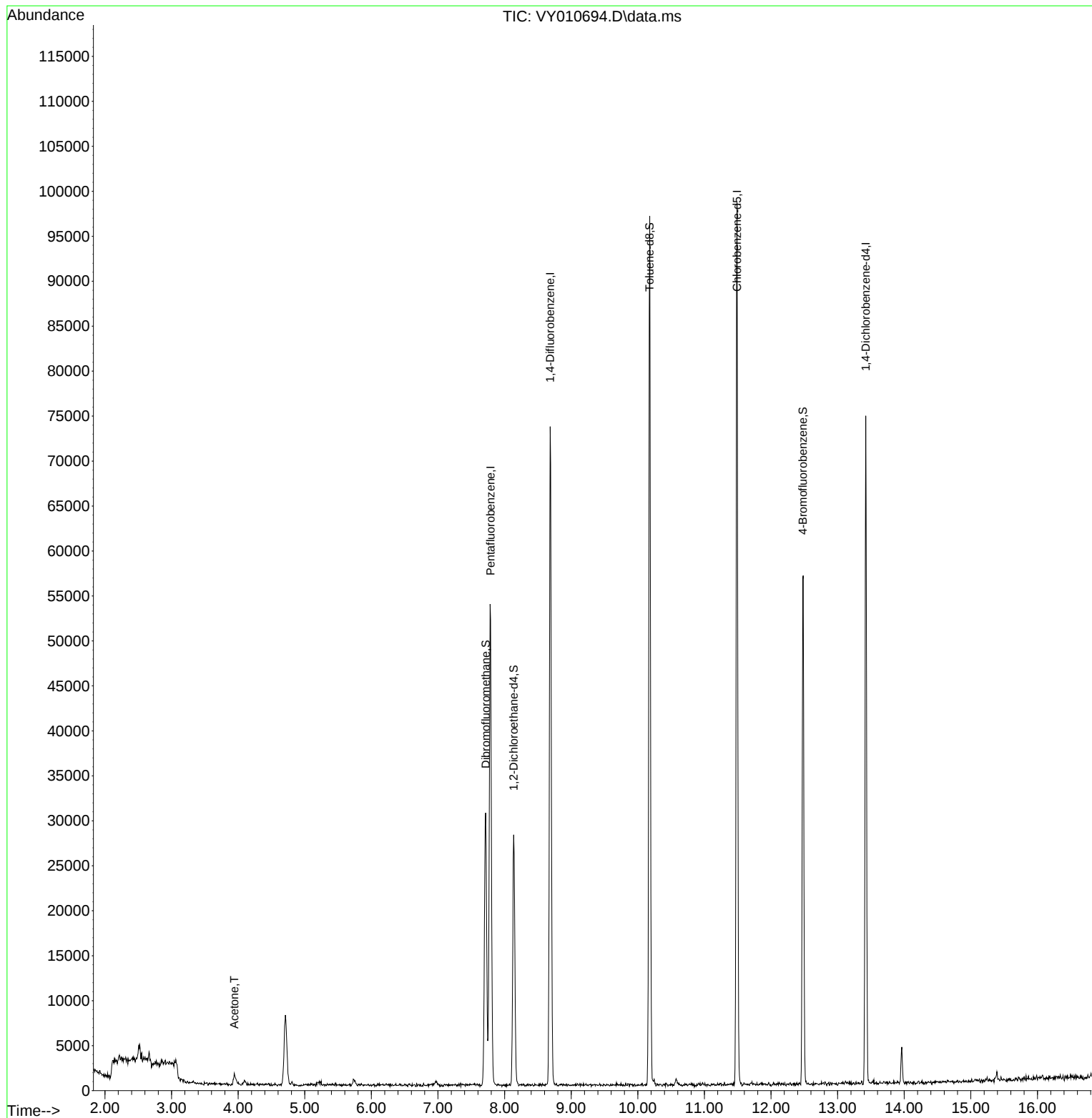
| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168            | 40799    | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114            | 63076    | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117            | 53122    | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152            | 19388    | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65             | 21432    | 54.921     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | = 109.840% |       |          |
| 35) Dibromofluoromethane    | 7.716  | 113            | 21503    | 53.417     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | = 106.840% |       |          |
| 50) Toluene-d8              | 10.179 | 98             | 63295    | 43.010     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | = 86.020%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95             | 16992    | 29.677     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | = 59.360%  |       |          |
| Target Compounds            |        |                |          |            |       | Qvalue   |
| 16) Acetone                 | 3.942  | 43             | 2109     | 26.502     | ug/l  | 92       |
| -----                       |        |                |          |            |       |          |

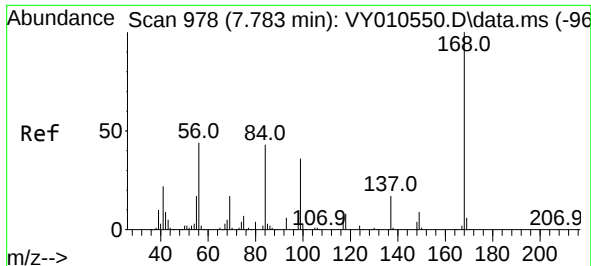
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092722\  
Data File : VY010694.D  
Acq On : 27 Sep 2022 13:44  
Operator : KP/MD  
Sample : N4751-02  
Misc : 4.65g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-2

Quant Time: Sep 28 01:25:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration

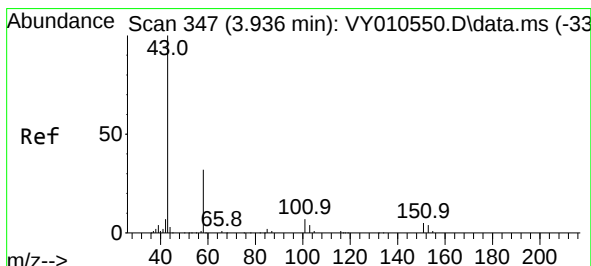
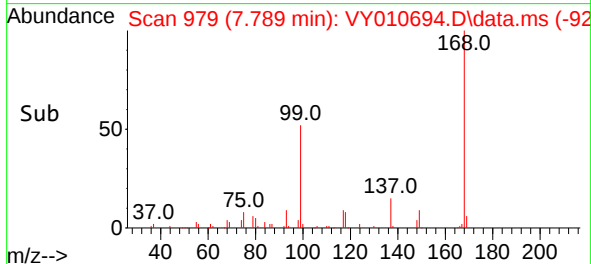
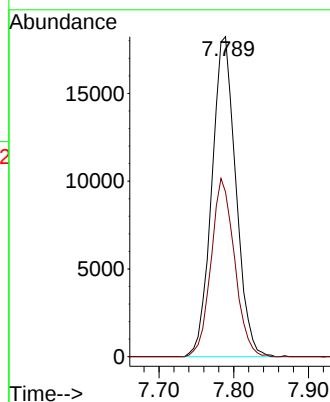
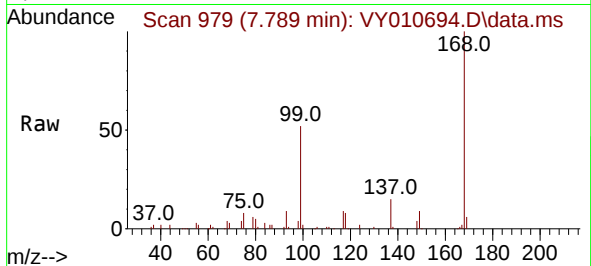




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010694.D  
Acq: 27 Sep 2022 13:44

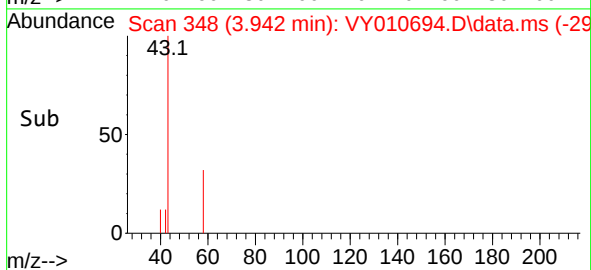
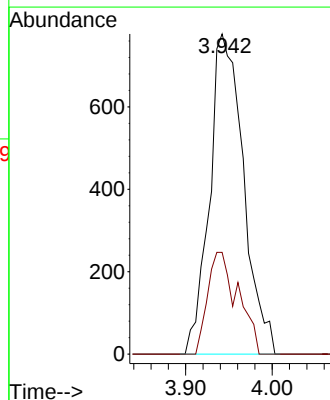
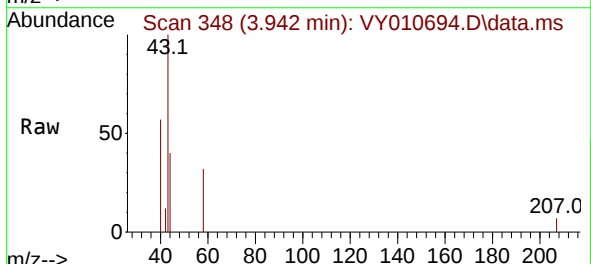
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-2

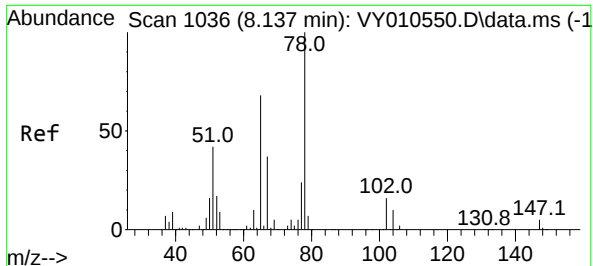
Tgt Ion:168 Resp: 40799  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#16  
Acetone  
Concen: 26.502 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY010694.D  
Acq: 27 Sep 2022 13:44

Tgt Ion: 43 Resp: 2109  
Ion Ratio Lower Upper  
43 100  
58 31.8 22.0 33.0





#33

1,2-Dichloroethane-d4

Concen: 54.921 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010694.D

Acq: 27 Sep 2022 13:44

Instrument :

MSVOA\_Y

ClientSampleId :

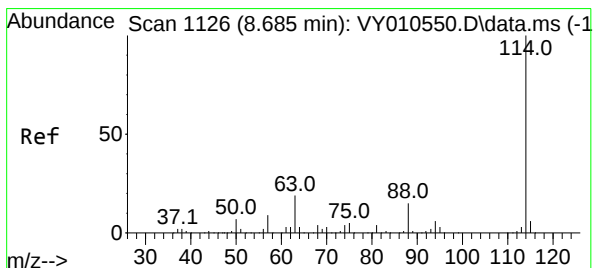
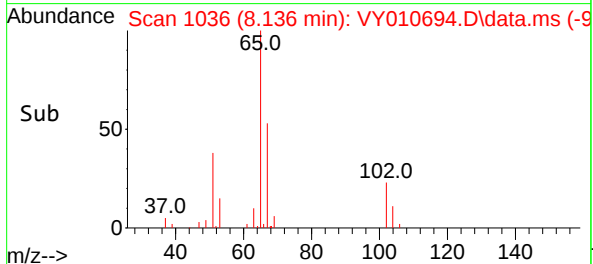
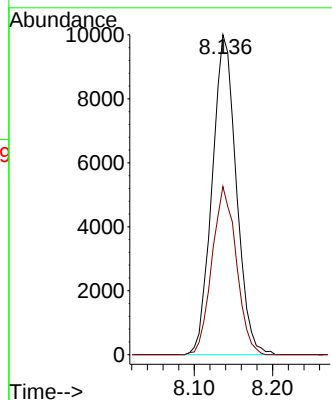
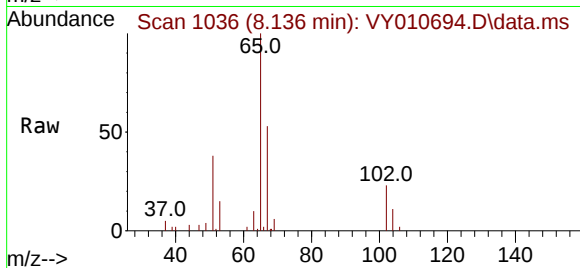
PE-2

Tgt Ion: 65 Resp: 21432

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010694.D

Acq: 27 Sep 2022 13:44

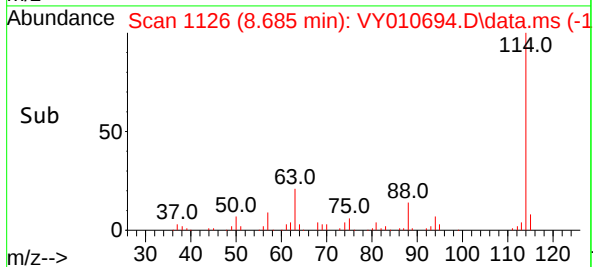
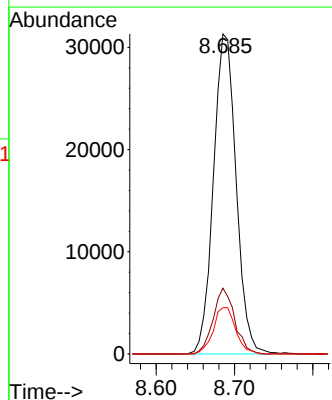
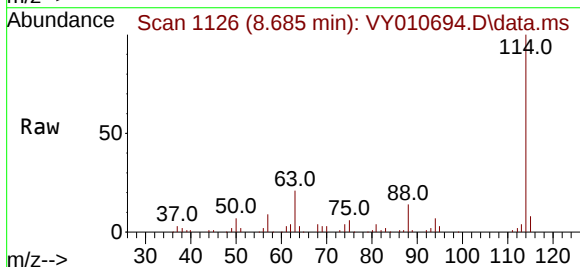
Tgt Ion: 114 Resp: 63076

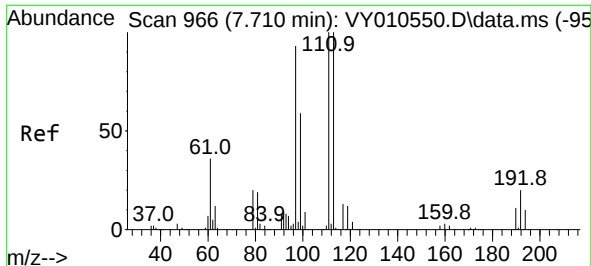
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 14.4 0.0 31.8

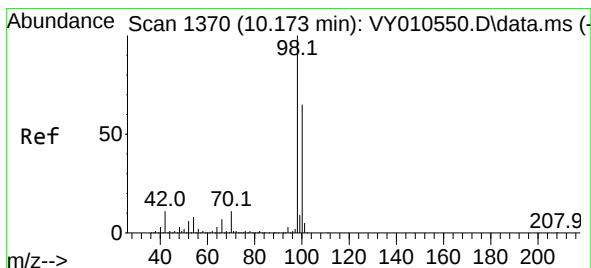
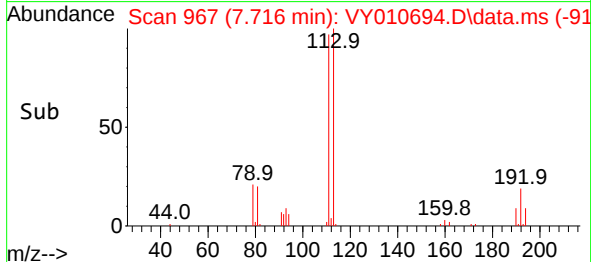
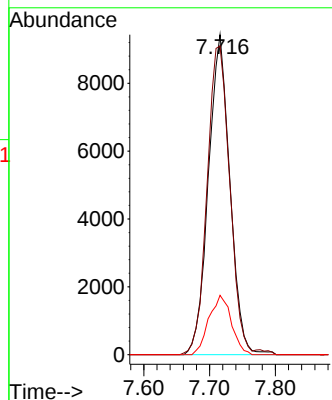
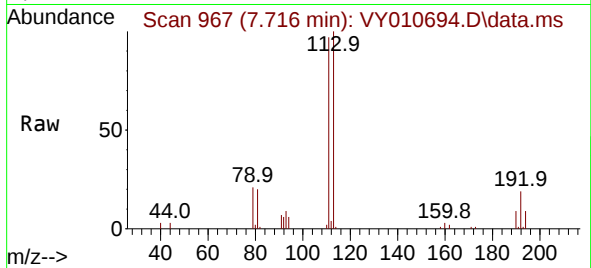




#35  
 Dibromofluoromethane  
 Concen: 53.417 ug/l  
 RT: 7.716 min Scan# 90  
 Delta R.T. 0.006 min  
 Lab File: VY010694.D  
 Acq: 27 Sep 2022 13:44

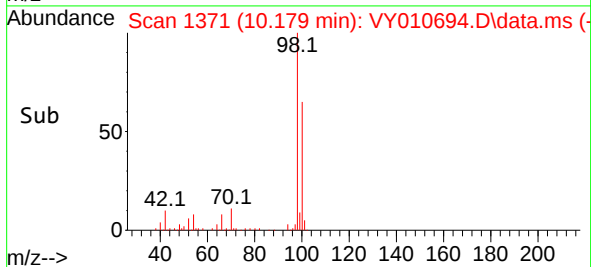
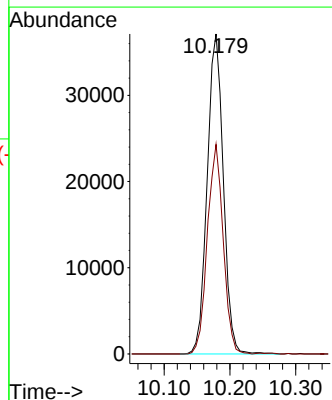
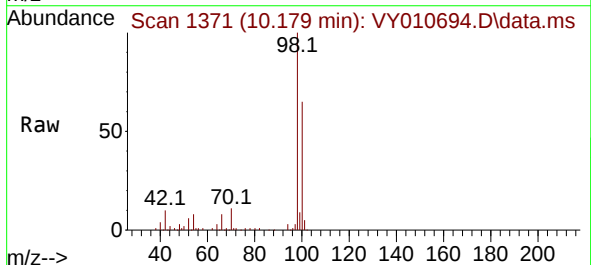
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-2

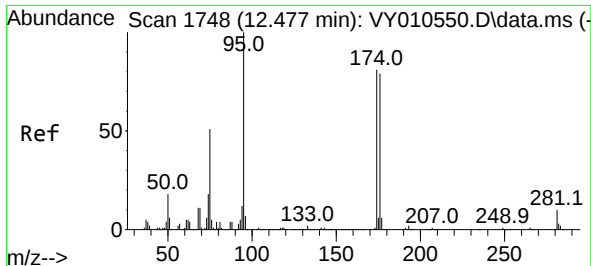
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 21503       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 101.3 | 82.6 124.0  |
| 192         | 19.3  | 17.6 26.4   |



#50  
 Toluene-d8  
 Concen: 43.010 ug/l  
 RT: 10.179 min Scan# 1371  
 Delta R.T. 0.006 min  
 Lab File: VY010694.D  
 Acq: 27 Sep 2022 13:44

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 98 | Resp: | 63295       |
| Ion         | Ratio | Lower Upper |
| 98          | 100   |             |
| 100         | 64.3  | 50.2 75.2   |

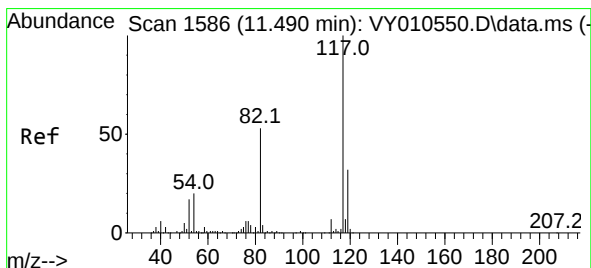
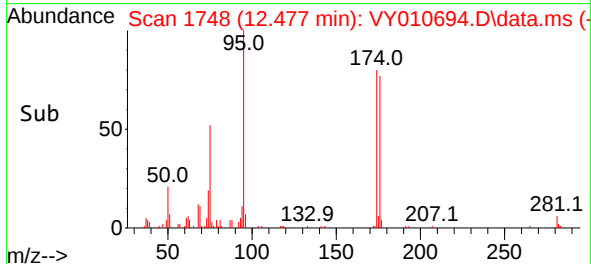
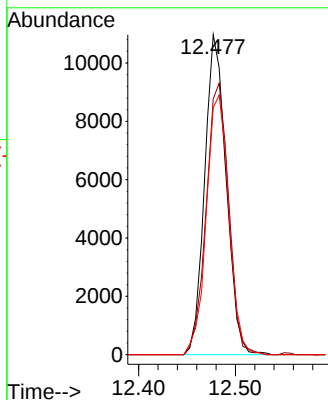
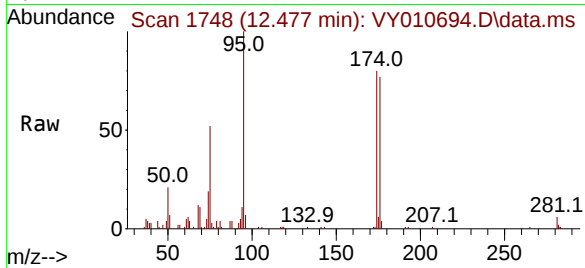




#62  
4-Bromofluorobenzene  
Concen: 29.677 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010694.D  
Acq: 27 Sep 2022 13:44

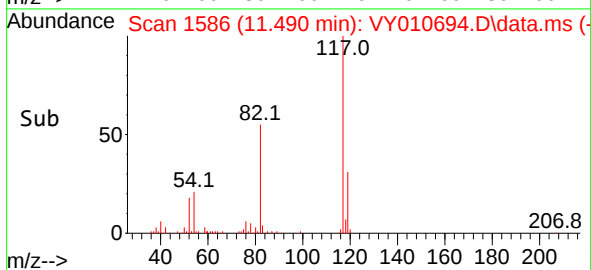
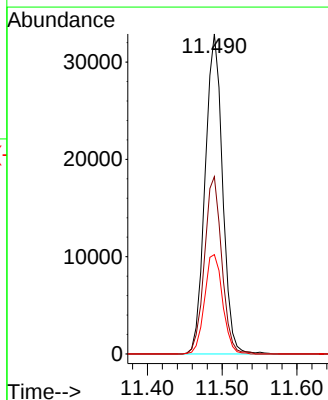
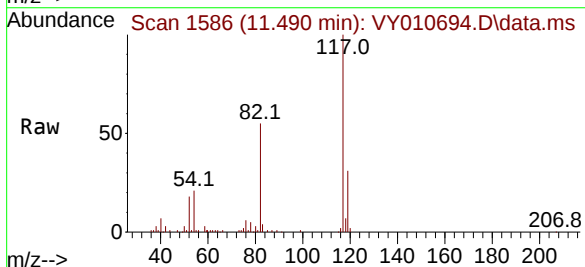
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-2

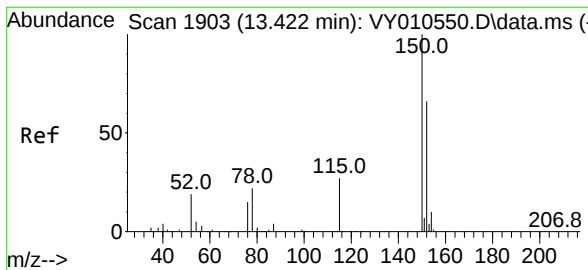
Tgt Ion: 95 Resp: 16992  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 177.0  
176 84.9 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY010694.D  
Acq: 27 Sep 2022 13:44

Tgt Ion: 117 Resp: 53122  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.0 64.4  
119 31.1 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY010694.D  
 Acq: 27 Sep 2022 13:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-2

Tgt Ion:152 Resp: 19388  
 Ion Ratio Lower Upper  
 152 100  
 115 56.3 28.2 84.7  
 150 154.9 0.0 347.6

