

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052522\  
 Data File : VY009099.D  
 Acq On : 25 May 2022 18:50  
 Operator : KP/MD  
 Sample : N3025-03  
 Misc : 6.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EAST-SW

Quant Time: May 26 04:31:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

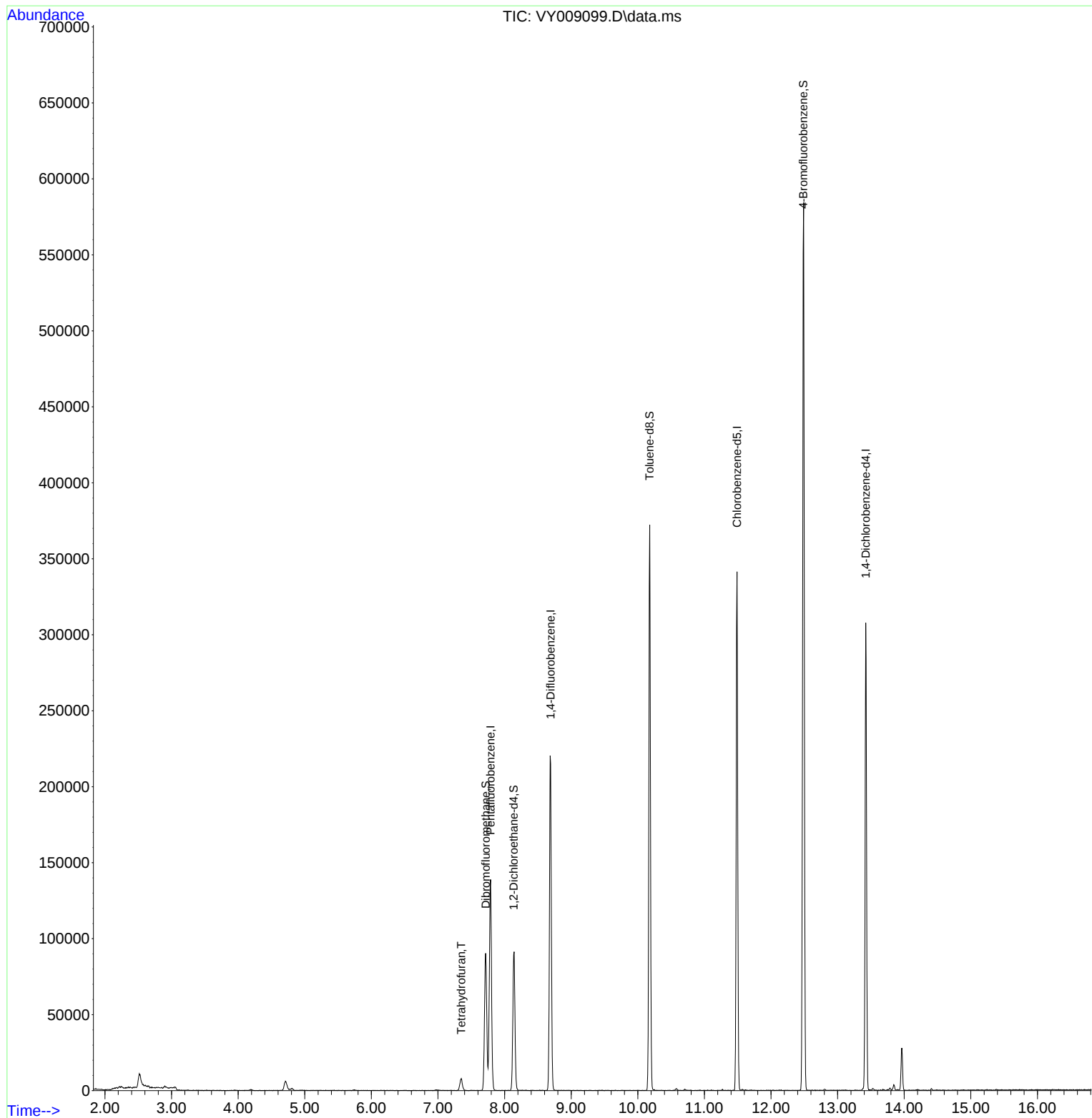
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 105145   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 184916   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 172048   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 71017    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 68009    | 62.847   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 125.700% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 60071    | 52.241   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.480% |          |
| 50) Toluene-d8              | 10.179 | 98    | 231070   | 54.471   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.940% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 70432    | 41.159   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 82.320%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 29) Tetrahydrofuran         | 7.350  | 42    | 5679     | 20.780   | ug/l       | # 88     |
| -----                       |        |       |          |          |            |          |

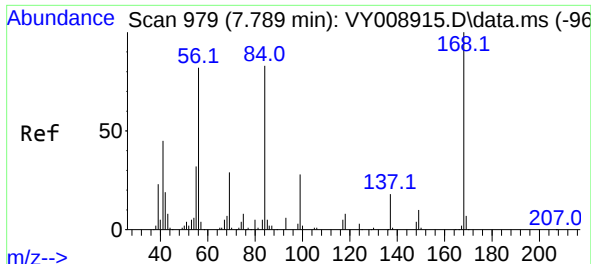
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EAST-SW

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QLast Update : Fri May 20 23:50:52 2022  
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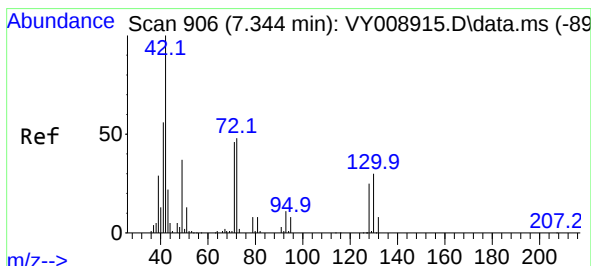
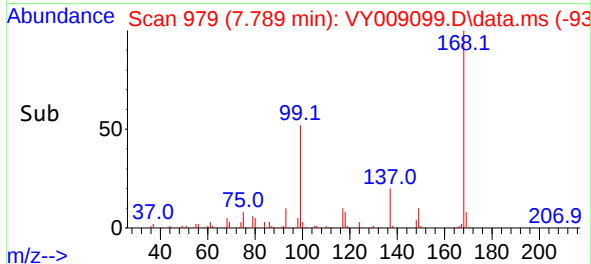
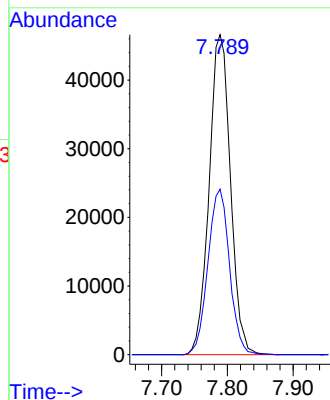
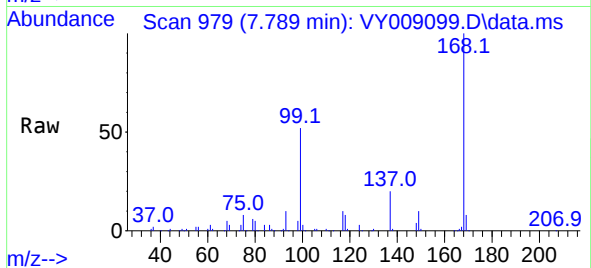




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

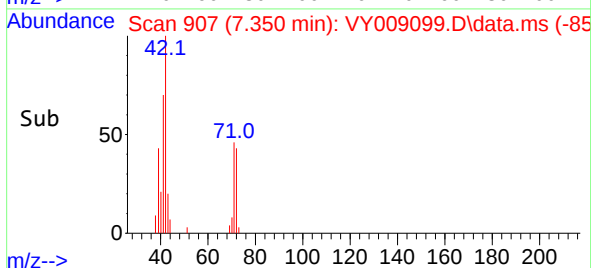
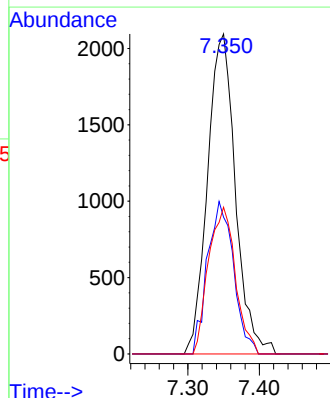
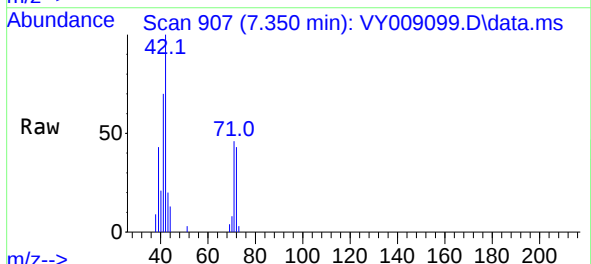
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EAST-SW

Tgt Ion:168 Resp: 105145  
Ion Ratio Lower Upper  
168 100  
99 51.7 46.9 70.3



#29  
Tetrahydrofuran  
Concen: 20.780 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.006 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

Tgt Ion: 42 Resp: 5679  
Ion Ratio Lower Upper  
42 100  
72 44.5 30.3 45.5  
71 44.1 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 62.847 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

Instrument :

MSVOA\_Y

ClientSampleId :

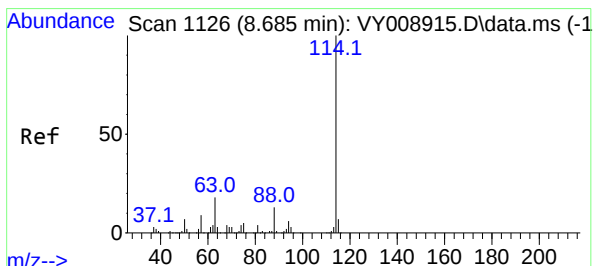
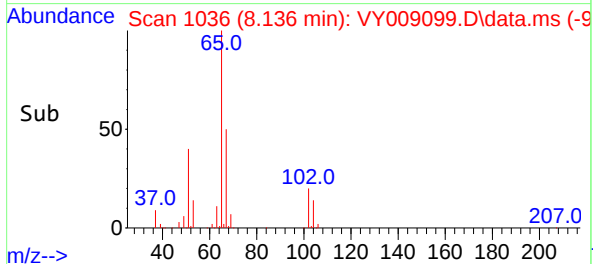
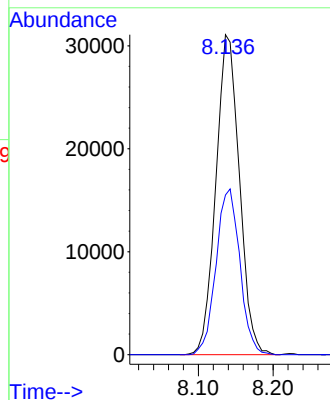
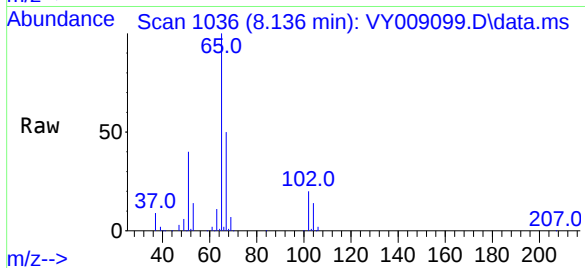
EAST-SW

Tgt Ion: 65 Resp: 68009

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

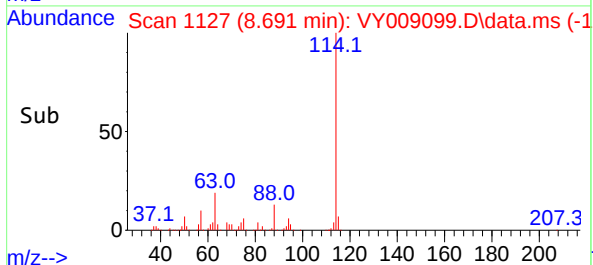
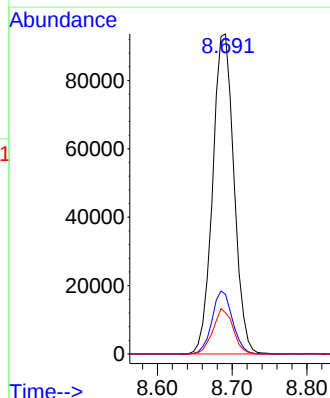
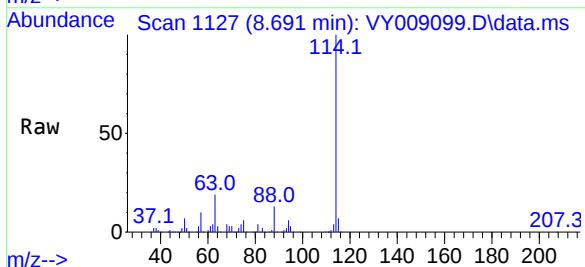
Tgt Ion:114 Resp: 184916

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 12.9 0.0 31.8

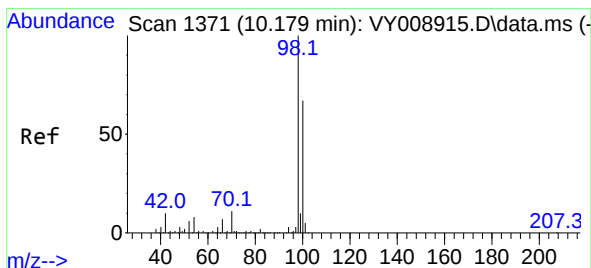
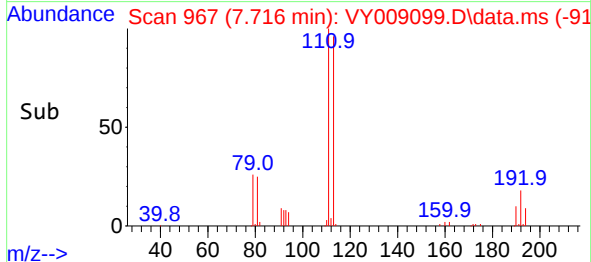
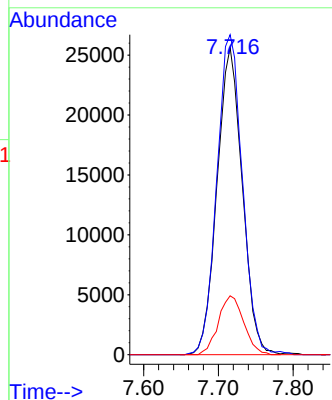
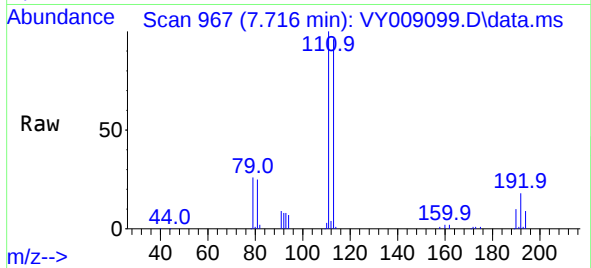




#35  
Dibromofluoromethane  
Concen: 52.241 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

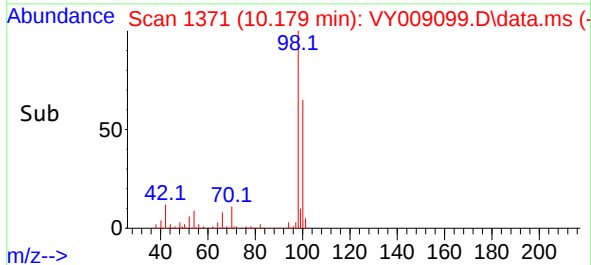
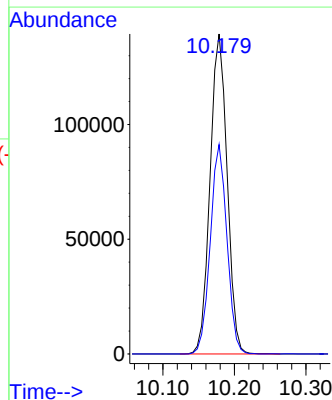
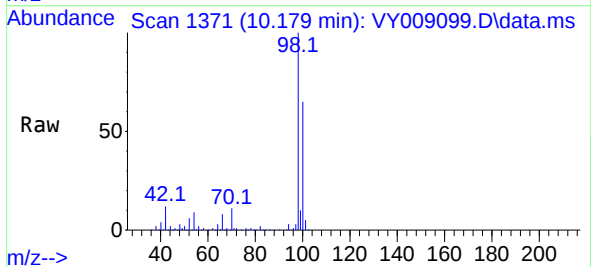
Instrument :  
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ClientSampleId :  
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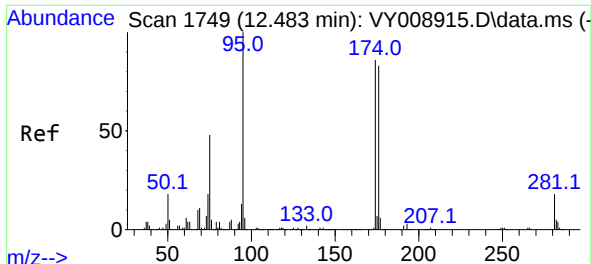
Tgt Ion:113 Resp: 60071  
Ion Ratio Lower Upper  
113 100  
111 105.6 82.6 124.0  
192 19.3 17.6 26.4



#50  
Toluene-d8  
Concen: 54.471 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

Tgt Ion: 98 Resp: 231070  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2

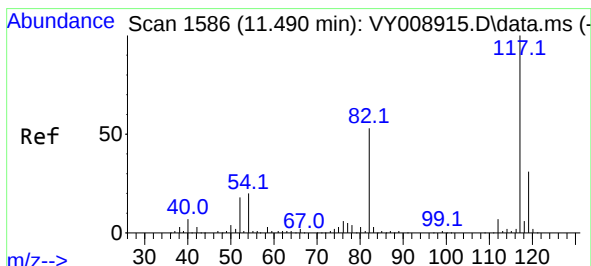
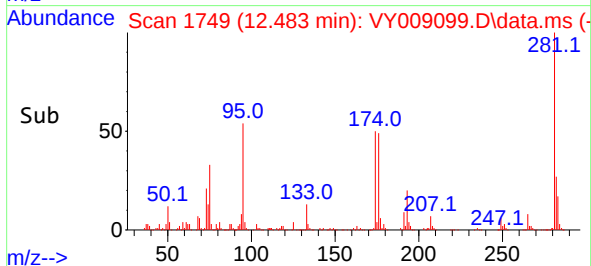
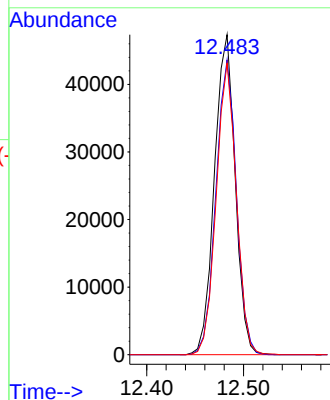
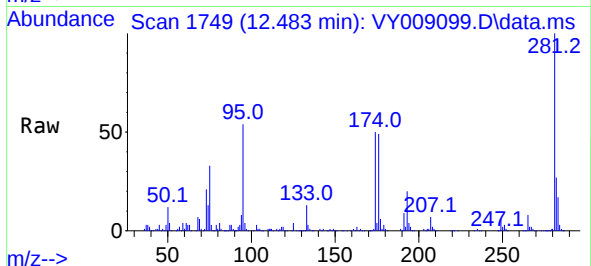




#62  
4-Bromofluorobenzene  
Concen: 41.159 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

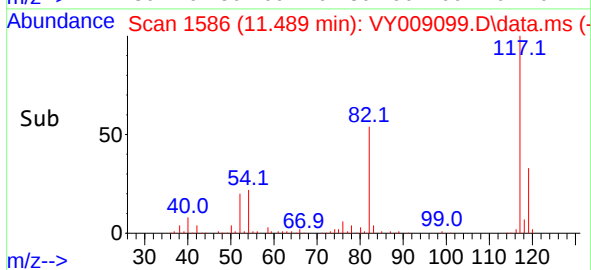
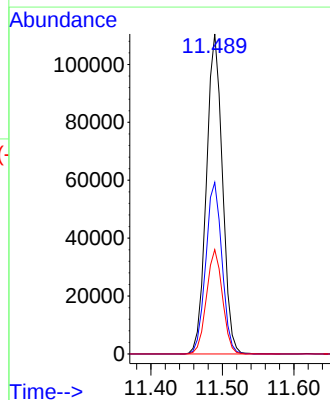
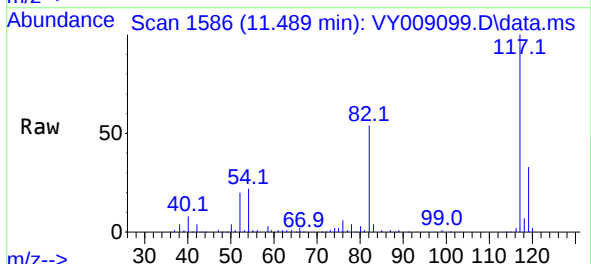
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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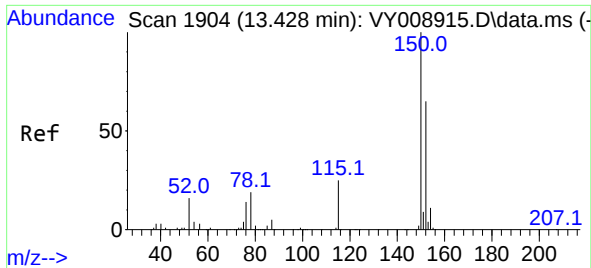
Tgt Ion: 95 Resp: 70432  
Ion Ratio Lower Upper  
95 100  
174 90.9 0.0 177.0  
176 88.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009099.D  
Acq: 25 May 2022 18:50

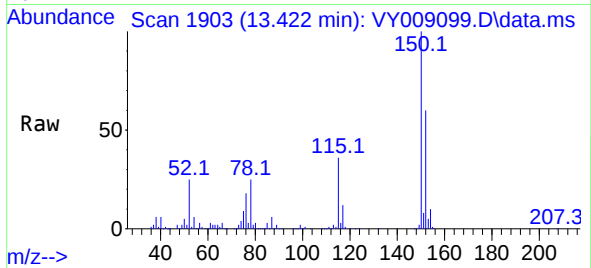
Tgt Ion: 117 Resp: 172048  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 32.6 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.006 min  
 Lab File: VY009099.D  
 Acq: 25 May 2022 18:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EAST-SW



Tgt Ion:152 Resp: 71017  
 Ion Ratio Lower Upper  
 152 100  
 115 58.0 28.2 84.7  
 150 160.7 0.0 347.6

