

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090822\  
 Data File : VY010397.D  
 Acq On : 08 Sep 2022 15:48  
 Operator : KP/MD  
 Sample : N4500-01RE  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-24-3.5-4.0RE

Quant Time: Sep 09 06:26:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 2022  
 Response via : Initial Calibration

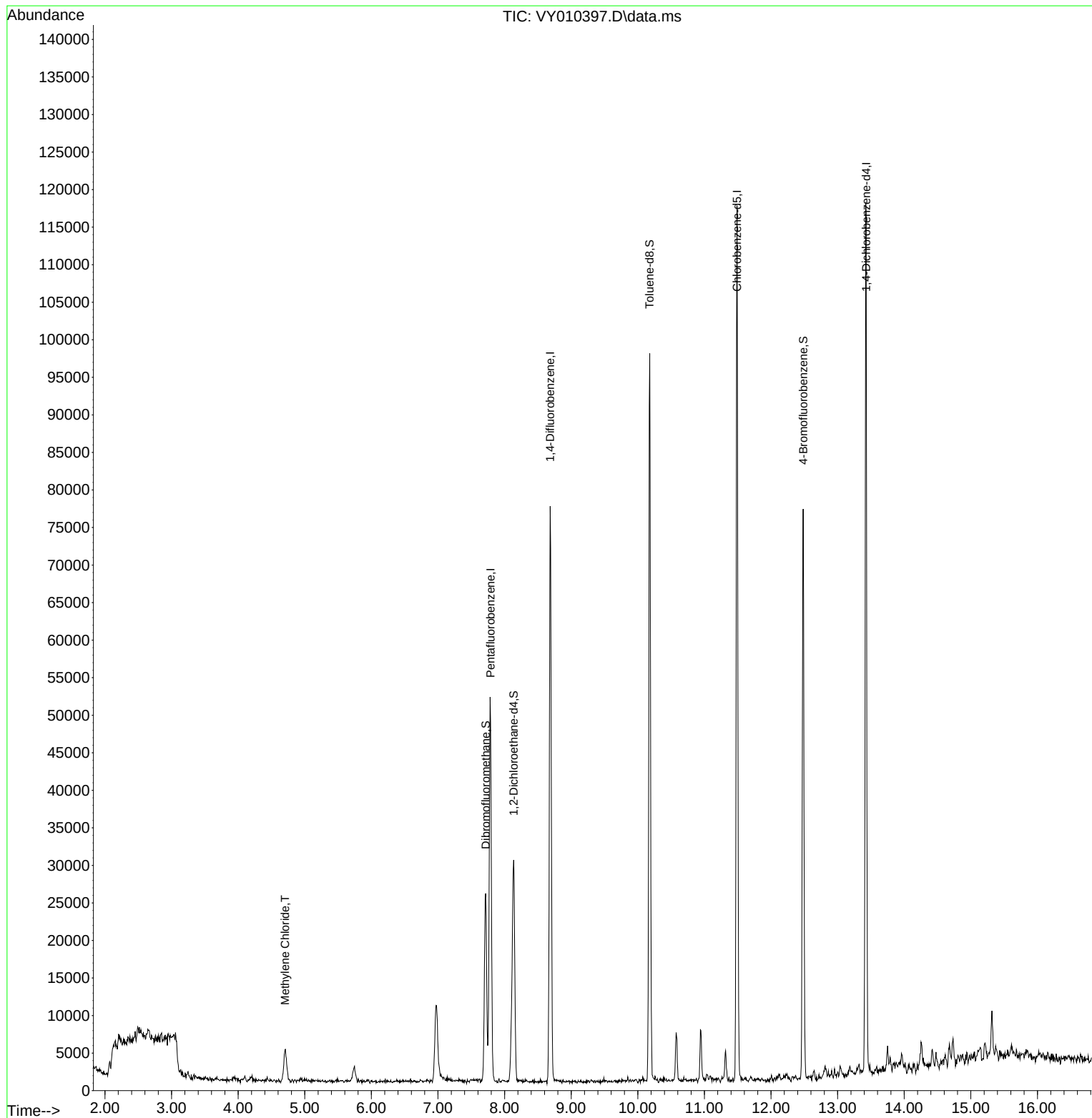
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 41361    | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 68870    | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 65614    | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 31580    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 20141    | 47.490   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 94.980%     |
| 35) Dibromofluoromethane    | 7.715  | 113   | 17990    | 39.238   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 78.480%     |
| 50) Toluene-d8              | 10.178 | 98    | 66707    | 43.457   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 86.920%     |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 23733    | 36.960   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 73.920%     |
| Target Compounds            |        |       |          |          |       |             |
| 20) Methylene Chloride      | 4.704  | 84    | 3381     | 6.608    | ug/l  | Qvalue # 72 |
| -----                       |        |       |          |          |       |             |

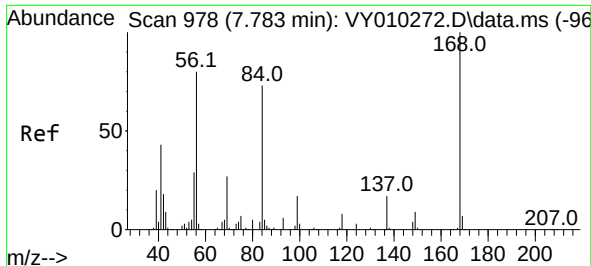
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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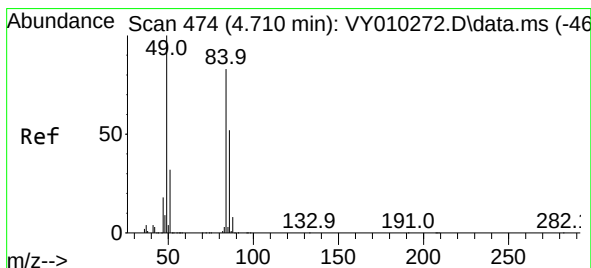
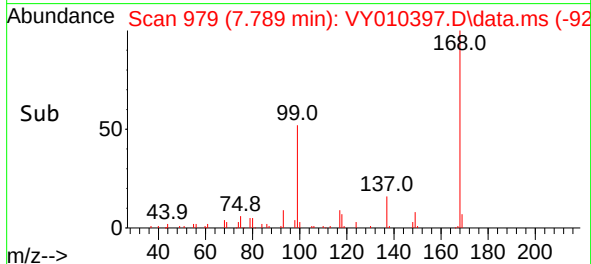
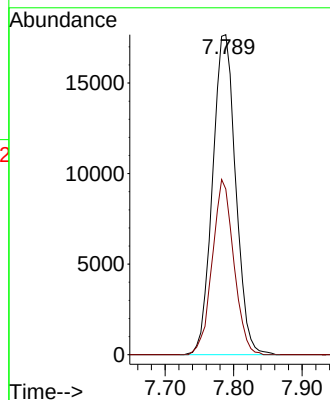
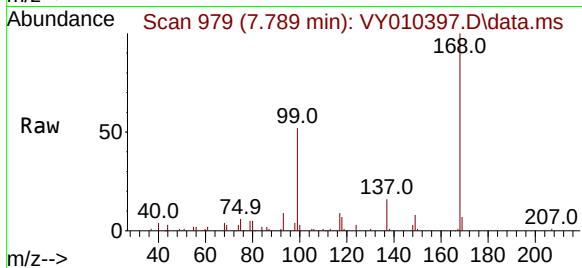




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

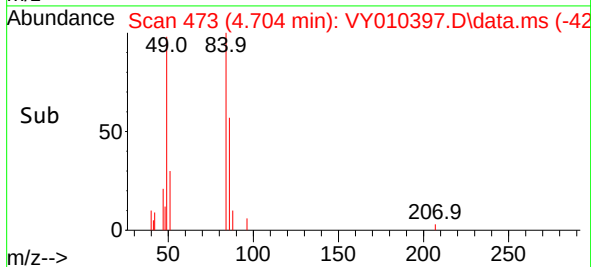
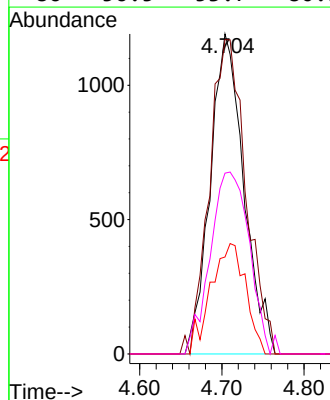
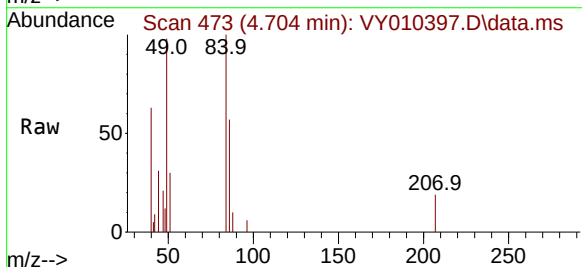
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-3.5-4.0RE

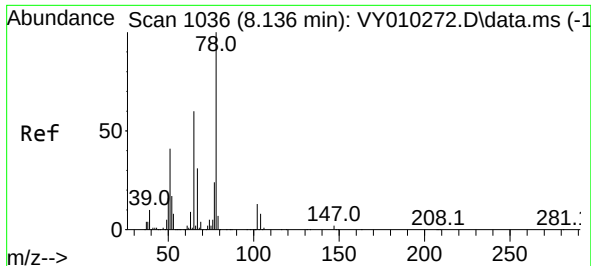
Tgt Ion:168 Resp: 41361  
Ion Ratio Lower Upper  
168 100  
99 51.7 46.9 70.3



#20  
Methylene Chloride  
Concen: 6.608 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

Tgt Ion: 84 Resp: 3381  
Ion Ratio Lower Upper  
84 100  
49 98.2 114.4 171.6#  
51 30.3 35.3 52.9#  
86 56.5 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 47.490 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010397.D

Acq: 08 Sep 2022 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

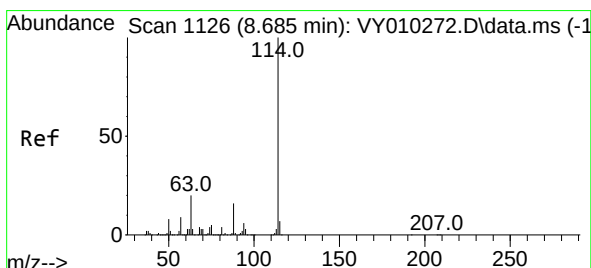
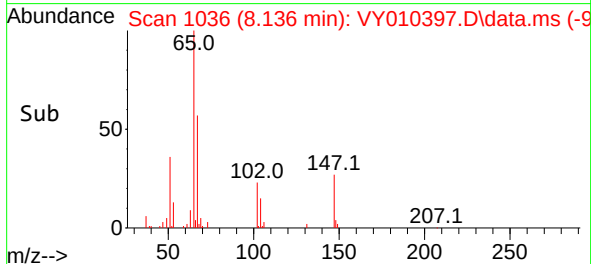
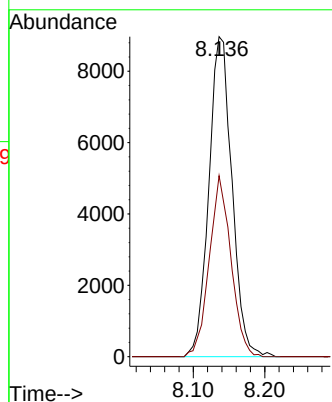
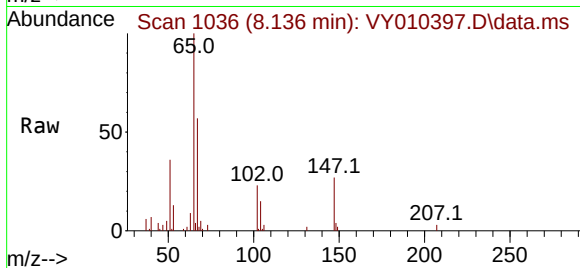
SB-24-3.5-4.0RE

Tgt Ion: 65 Resp: 20141

Ion Ratio Lower Upper

65 100

67 53.1 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: VY010397.D

Acq: 08 Sep 2022 15:48

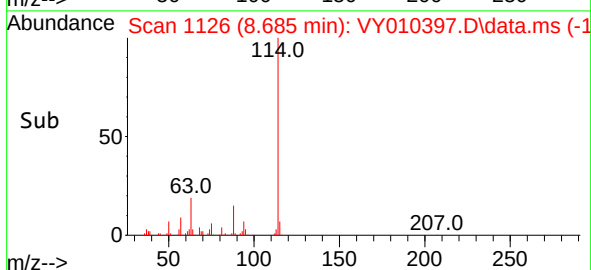
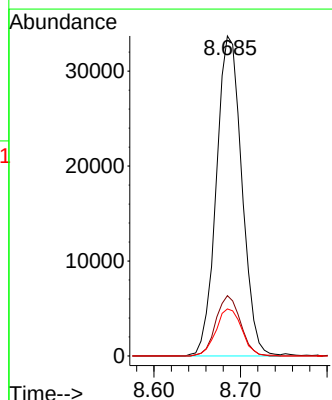
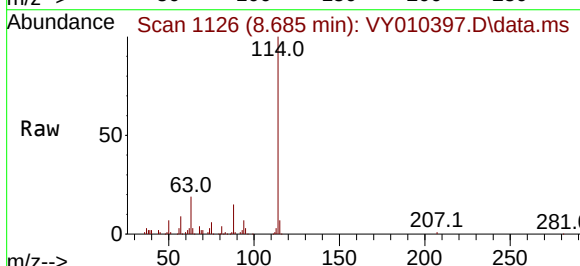
Tgt Ion: 114 Resp: 68870

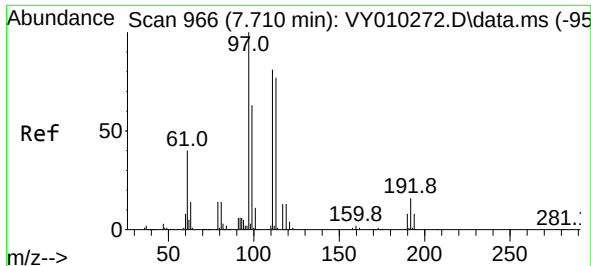
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.7 0.0 31.8

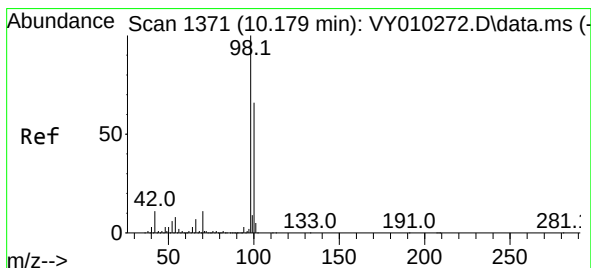
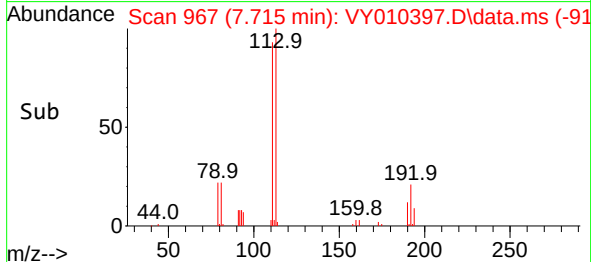
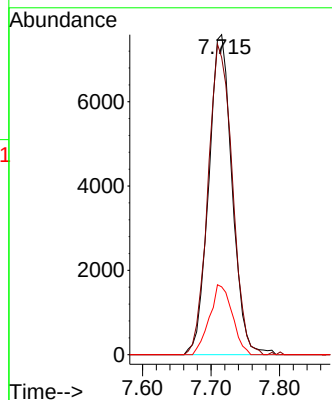
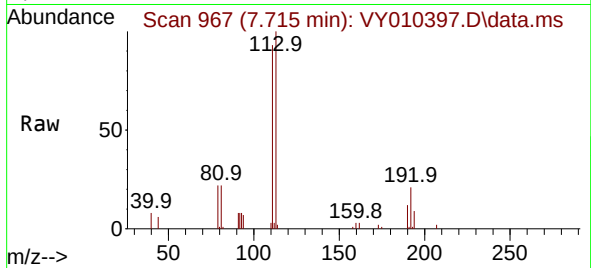




#35  
Dibromofluoromethane  
Concen: 39.238 ug/l  
RT: 7.715 min Scan# 90  
Delta R.T. 0.005 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

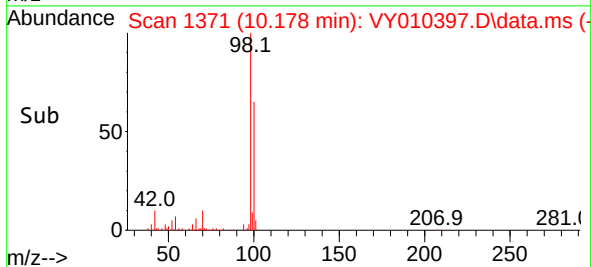
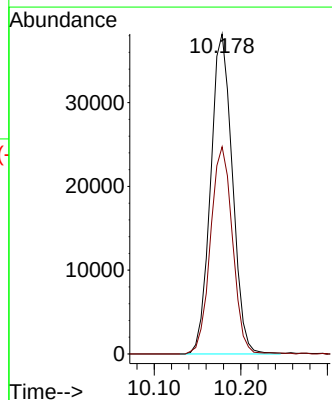
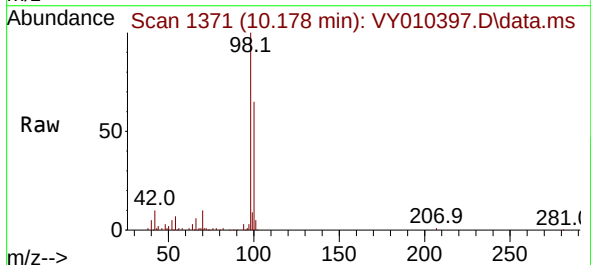
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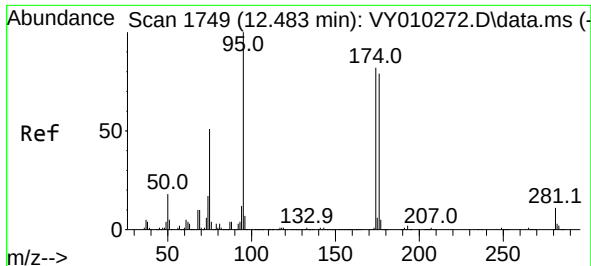
Tgt Ion:113 Resp: 17990  
Ion Ratio Lower Upper  
113 100  
111 100.4 82.6 124.0  
192 21.3 17.6 26.4



#50  
Toluene-d8  
Concen: 43.457 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

Tgt Ion: 98 Resp: 66707  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2

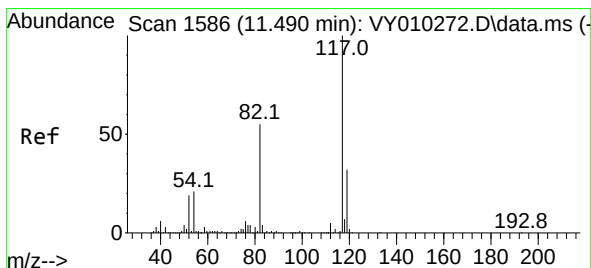
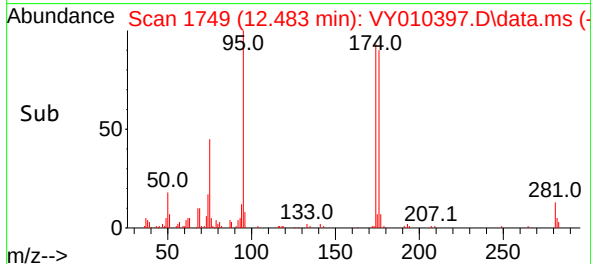
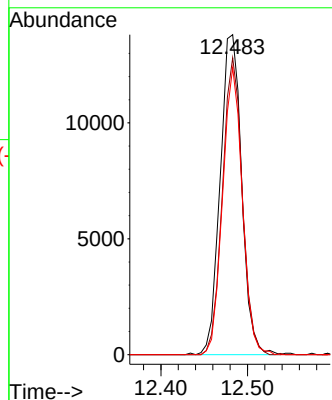
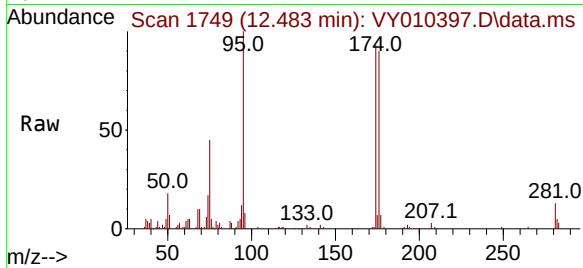




#62  
4-Bromofluorobenzene  
Concen: 36.960 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

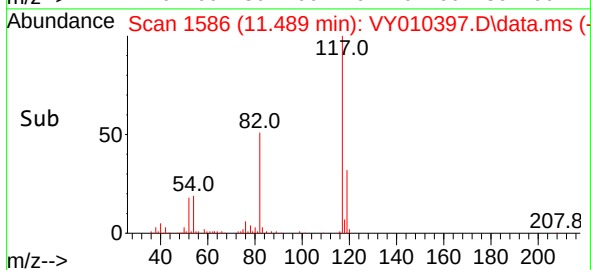
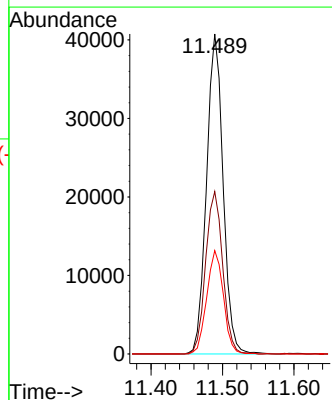
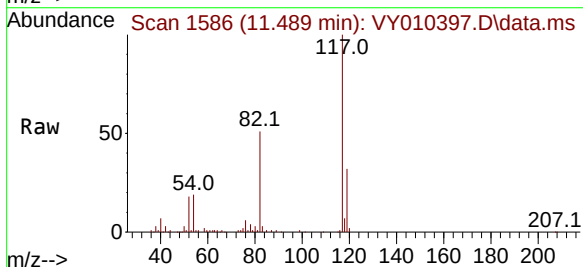
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MSVOA\_Y  
ClientSampleId :  
SB-24-3.5-4.0RE

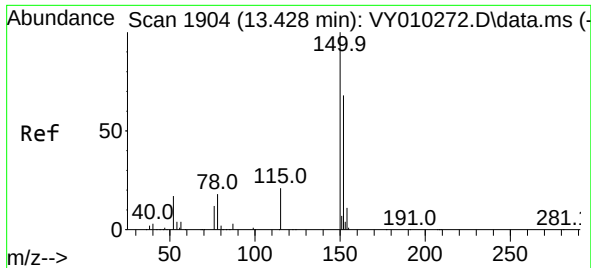
Tgt Ion: 95 Resp: 23733  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 177.0  
176 82.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY010397.D  
Acq: 08 Sep 2022 15:48

Tgt Ion: 117 Resp: 65614  
Ion Ratio Lower Upper  
117 100  
82 50.7 43.0 64.4  
119 32.3 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: VY010397.D

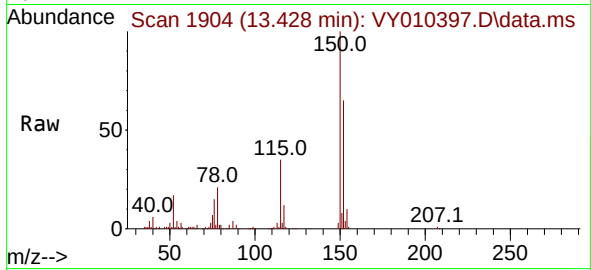
Acq: 08 Sep 2022 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-3.5-4.0RE



Tgt Ion:152 Resp: 31580

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

150 154.6 0.0 347.6

