

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080323\  
 Data File : VY014957.D  
 Acq On : 03 Aug 2023 18:36  
 Operator : SY/MD  
 Sample : 03887-04  
 Misc : 4.31g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MCLEAN-TP7

Quant Time: Aug 04 04:33:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

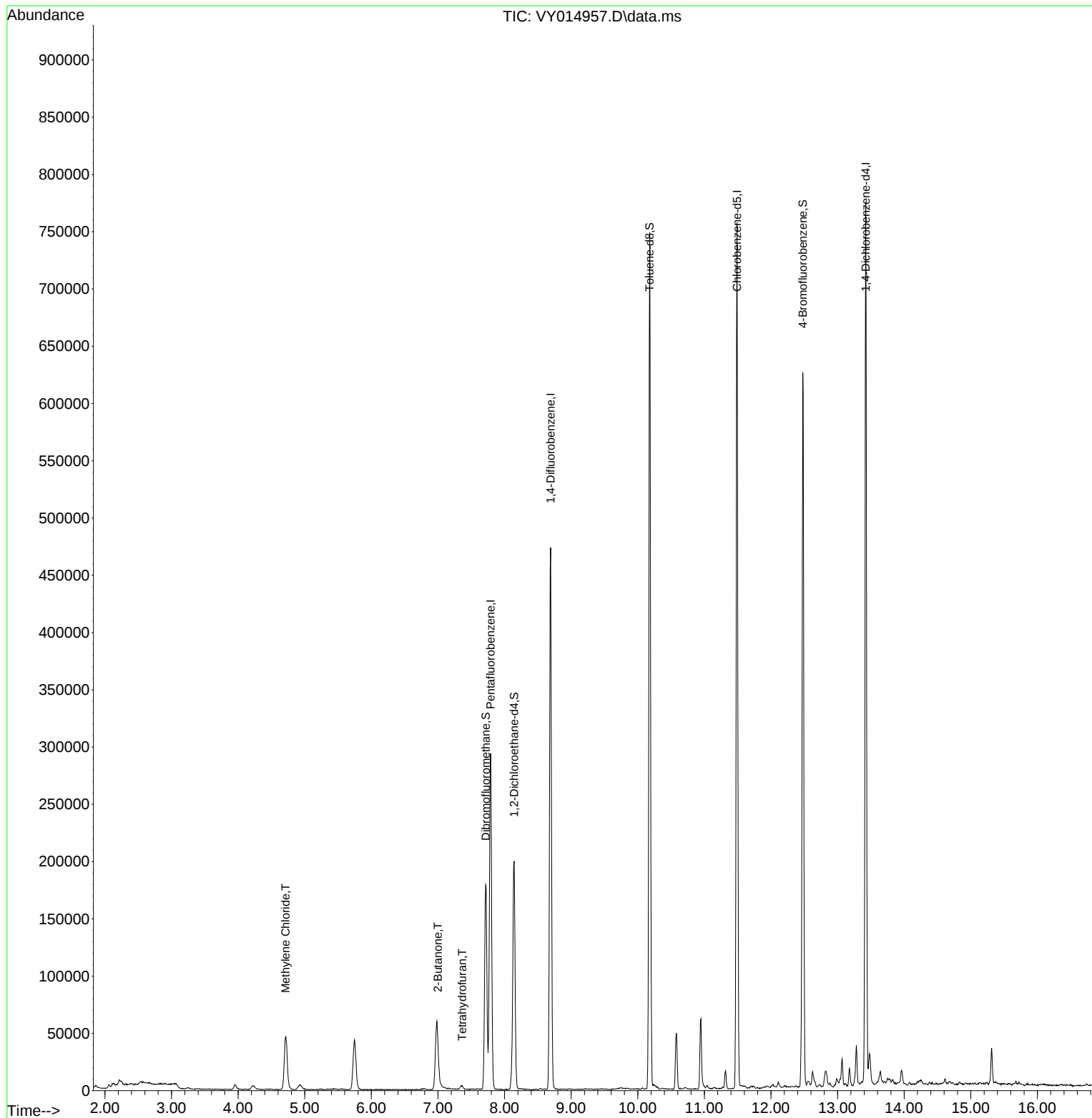
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 229557   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 408564   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 398922   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 196470   | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 154000   | 58.871   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 117.740% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 129360   | 49.738   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.480%  |
| 50) Toluene-d8              | 10.179 | 98    | 489464   | 51.046   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 102.100% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 188355   | 51.230   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 102.460% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 20) Methylene Chloride      | 4.710  | 84    | 35354    | 9.727    | ug/l   | 90       |
| 25) 2-Butanone              | 6.997  | 43    | 9020     | 7.438    | ug/l   | 99       |
| 29) Tetrahydrofuran         | 7.362  | 42    | 2600     | 3.482    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

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

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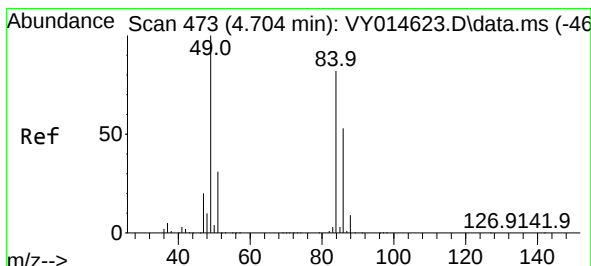
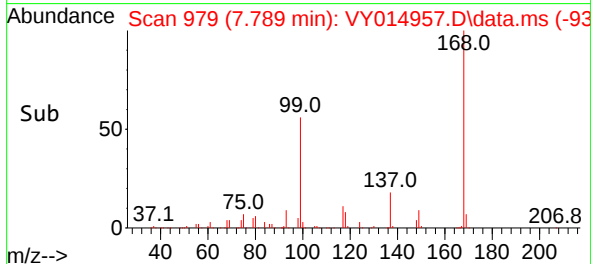
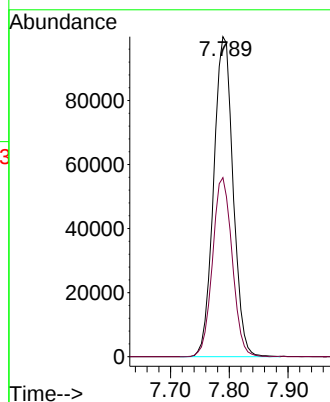
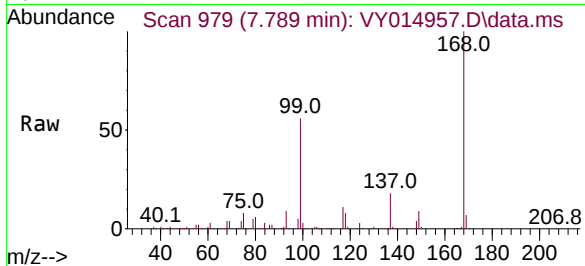




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

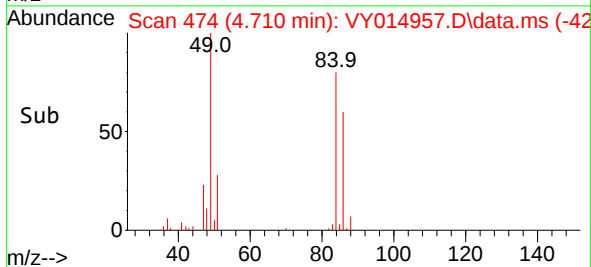
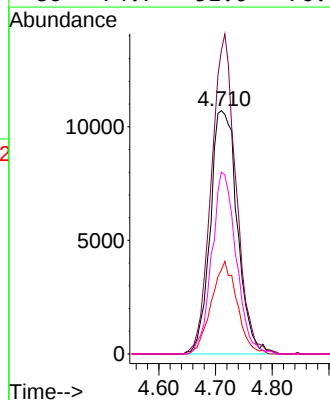
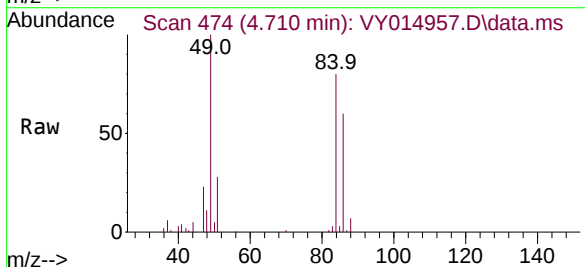
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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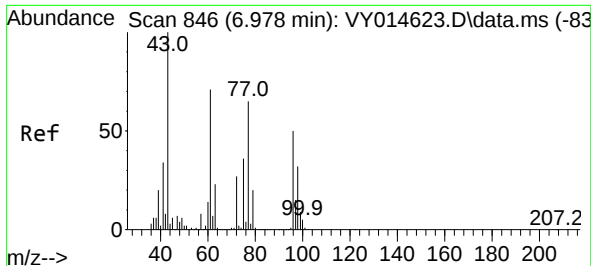
Tgt Ion:168 Resp: 229557  
Ion Ratio Lower Upper  
168 100  
99 56.0 43.4 65.0



#20  
Methylene Chloride  
Concen: 9.727 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

Tgt Ion: 84 Resp: 35354  
Ion Ratio Lower Upper  
84 100  
49 124.5 106.9 160.3  
51 34.5 33.2 49.8  
86 74.7 51.0 76.6

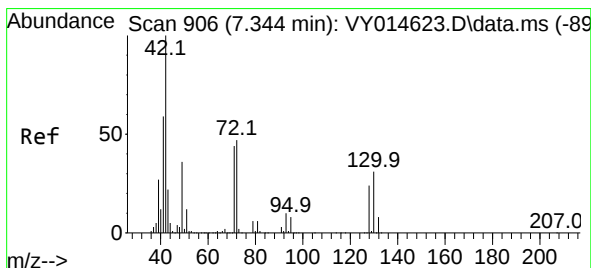
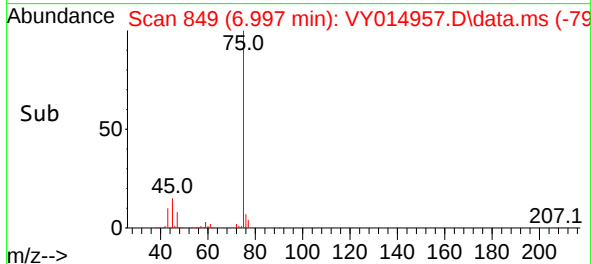
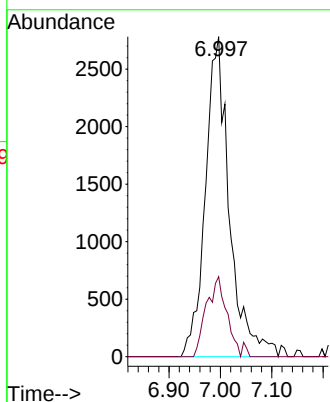
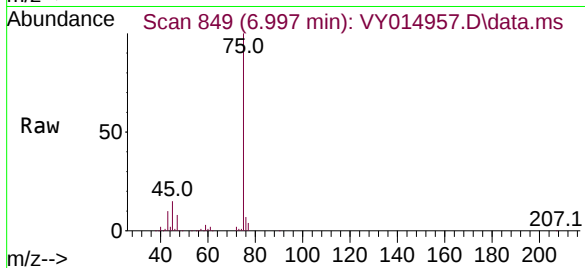




#25  
2-Butanone  
Concen: 7.438 ug/l  
RT: 6.997 min Scan# 846  
Delta R.T. 0.019 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

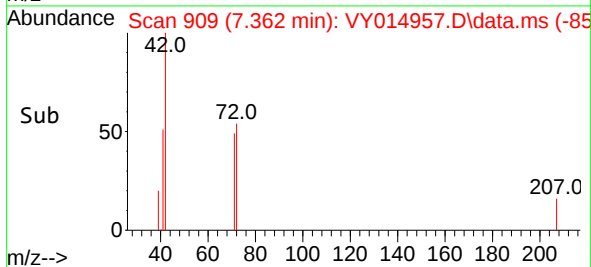
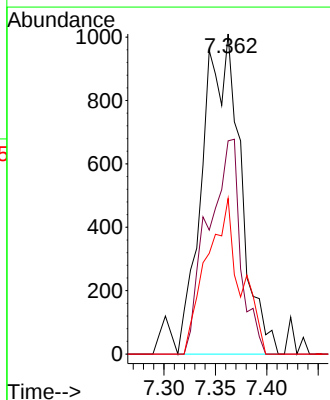
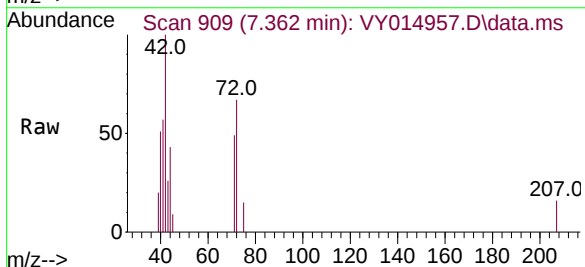
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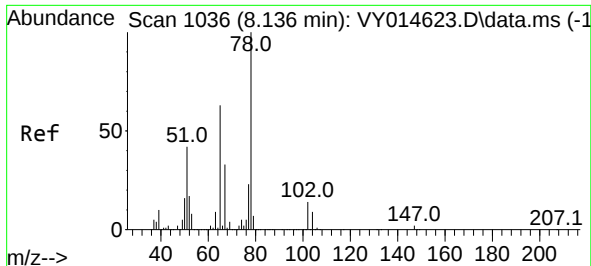
Tgt Ion: 43 Resp: 9020  
Ion Ratio Lower Upper  
43 100  
72 25.0 20.5 30.7



#29  
Tetrahydrofuran  
Concen: 3.482 ug/l  
RT: 7.362 min Scan# 909  
Delta R.T. 0.018 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

Tgt Ion: 42 Resp: 2600  
Ion Ratio Lower Upper  
42 100  
72 57.5 32.8 49.2#  
71 43.3 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 58.871 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

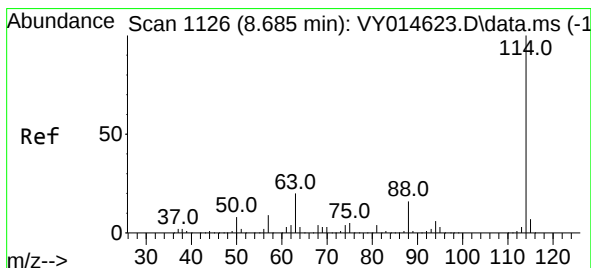
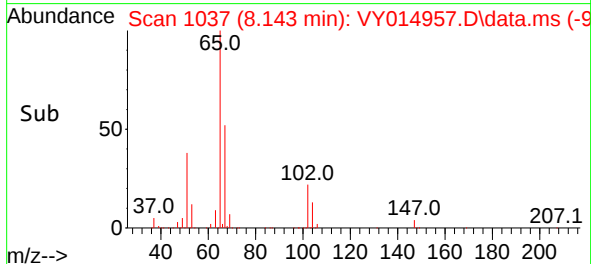
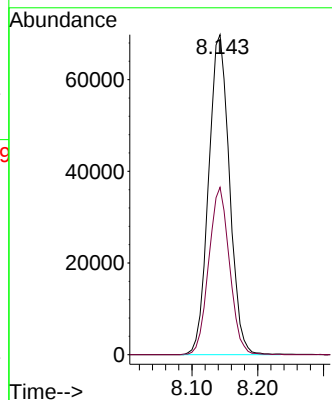
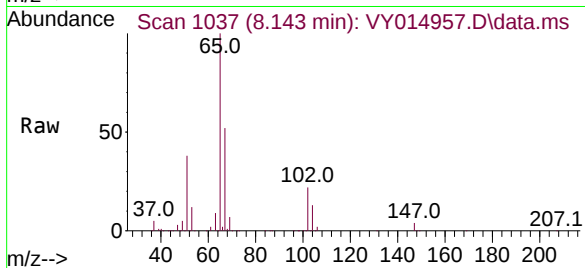
MCLEAN-TP7

Tgt Ion: 65 Resp: 154000

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

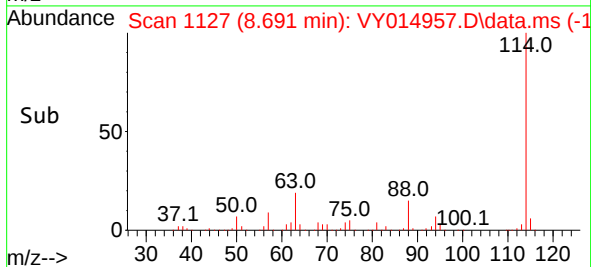
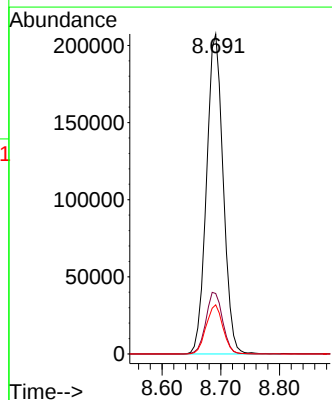
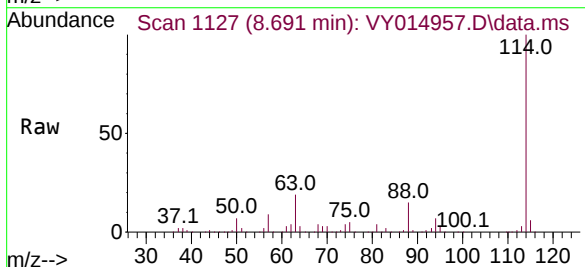
Tgt Ion: 114 Resp: 408564

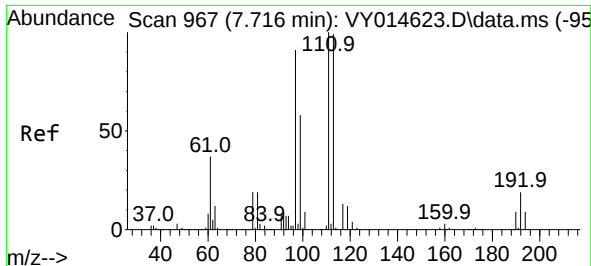
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.3 0.0 30.6

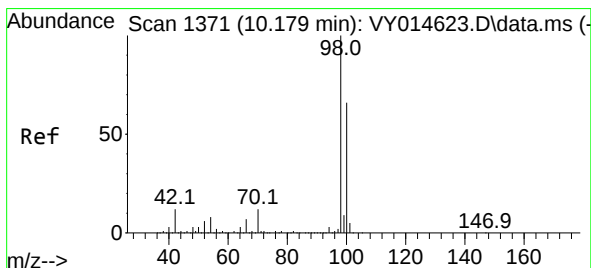
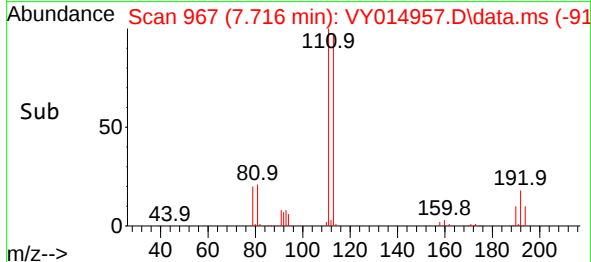
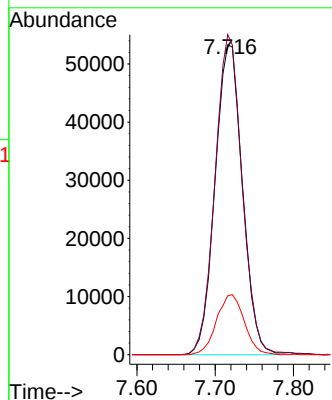
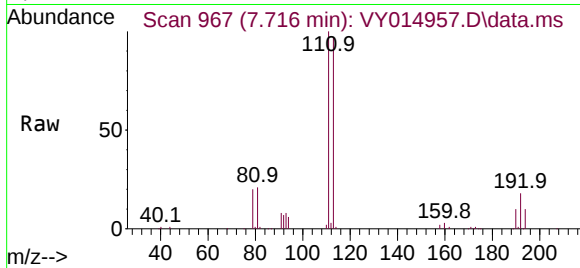




#35  
Dibromofluoromethane  
Concen: 49.738 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

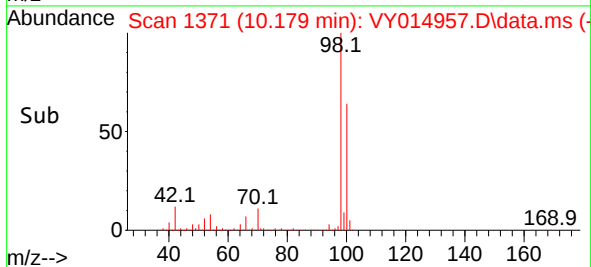
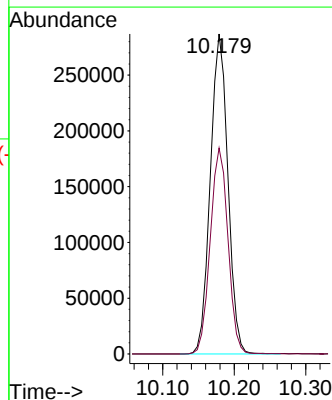
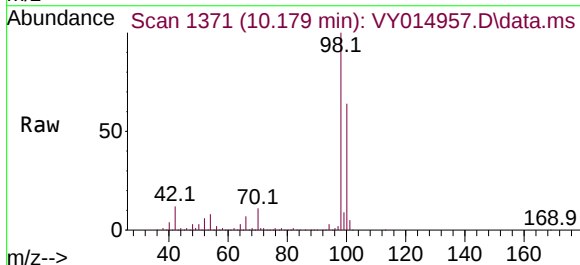
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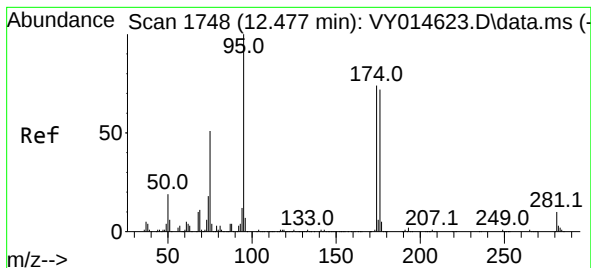
Tgt Ion:113 Resp: 129360  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.3 121.9  
192 19.6 16.9 25.3



#50  
Toluene-d8  
Concen: 51.046 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

Tgt Ion: 98 Resp: 489464  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.1 75.1

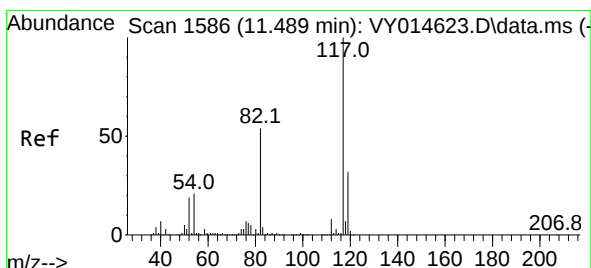
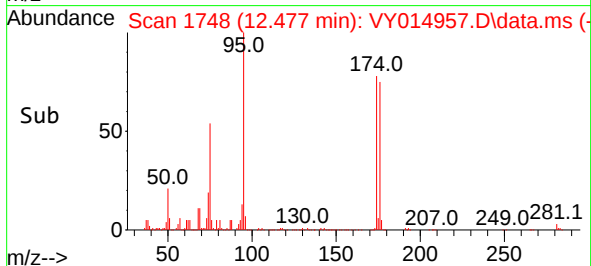
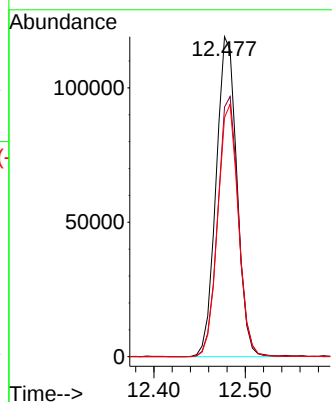
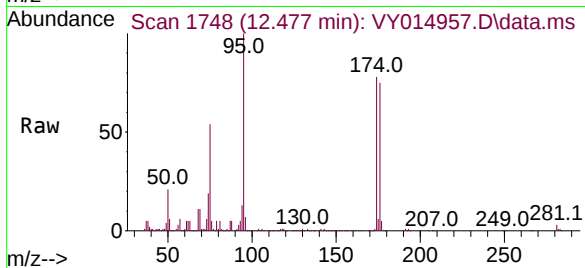




#62  
4-Bromofluorobenzene  
Concen: 51.230 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

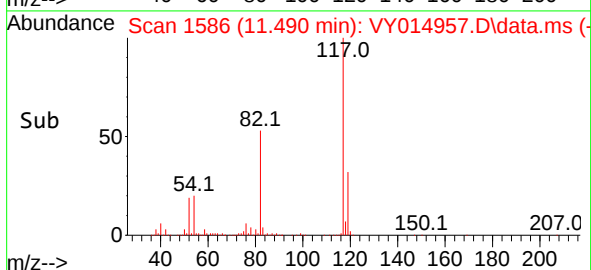
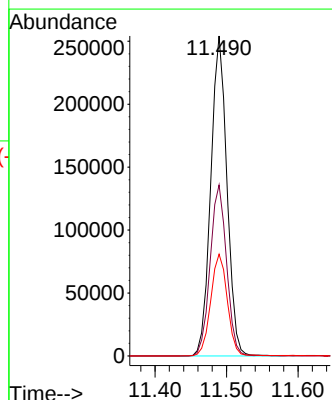
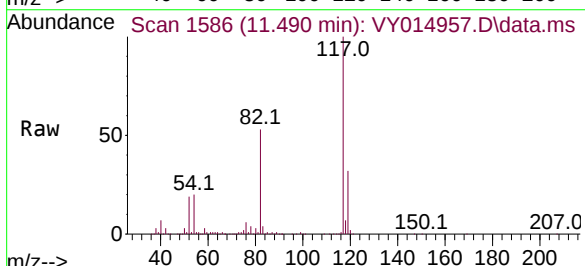
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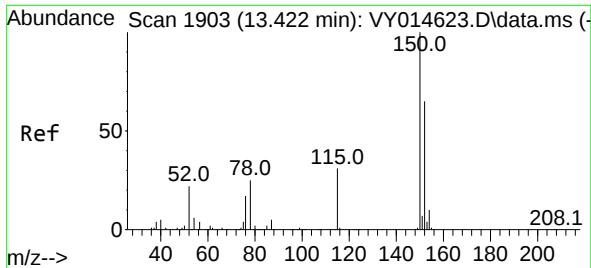
Tgt Ion: 95 Resp: 188355  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 178.2  
176 77.9 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY014957.D  
Acq: 03 Aug 2023 18:36

Tgt Ion: 117 Resp: 398922  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.4 65.0  
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014957.D

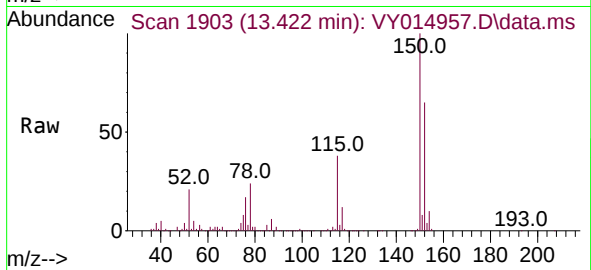
Acq: 03 Aug 2023 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

MCLEAN-TP7



Tgt Ion:152 Resp: 196470

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 154.9 0.0 348.8

