

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102522\  
 Data File : VY011095.D  
 Acq On : 25 Oct 2022 15:42  
 Operator : KP/MD  
 Sample : N5257-07  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HOLLAND-RD-COMP-4

Quant Time: Oct 26 09:00:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

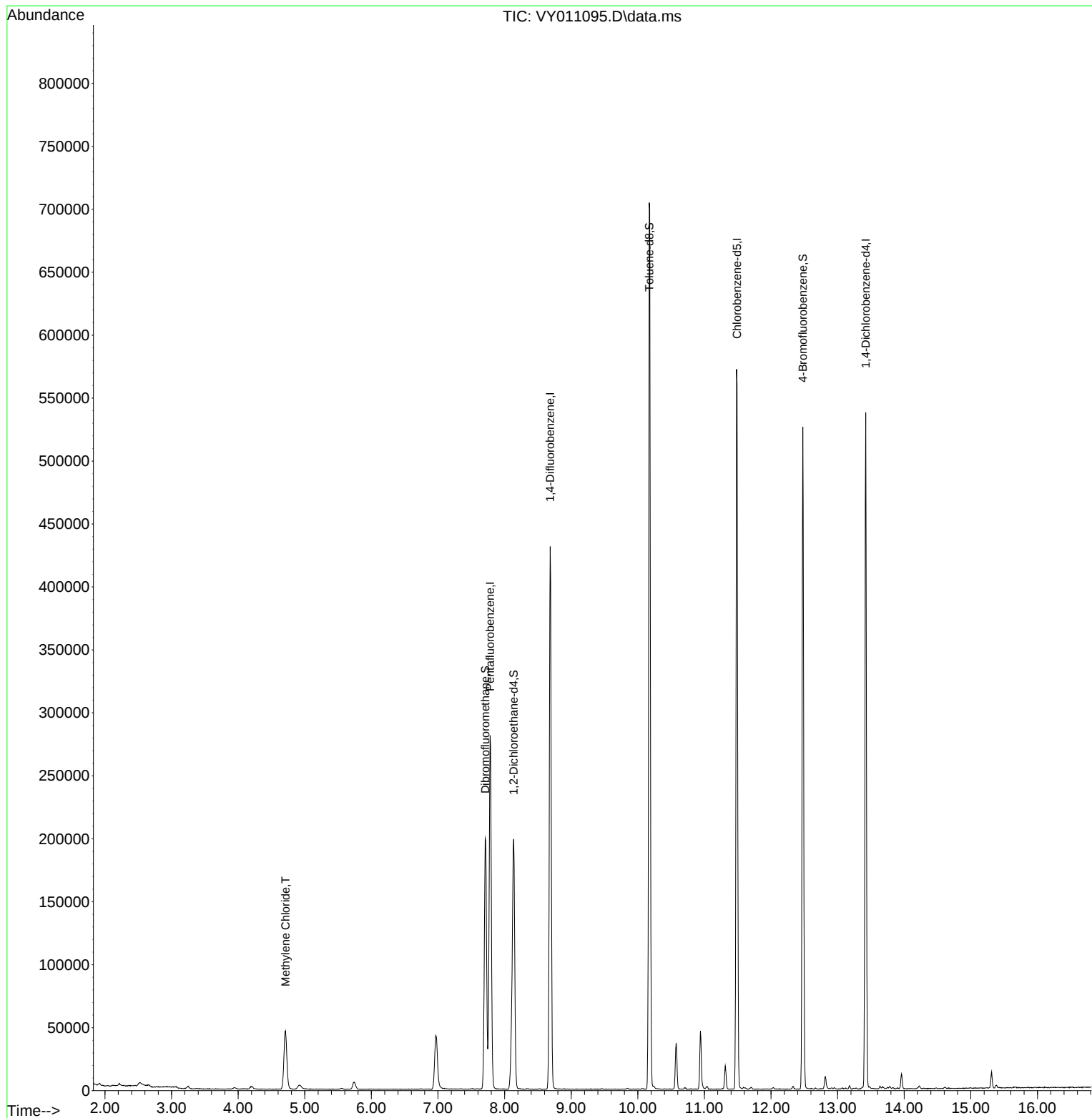
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|-----------|-------|----------|----------|------------|-------------|
| -----                       |           |       |          |          |            |             |
| Internal Standards          |           |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.783     | 168   | 220749   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 379350   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 327796   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 138506   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |           |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 138388   | 68.057   | ug/l       | 0.00        |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 136.120% |             |
| 35) Dibromofluoromethane    | 7.710     | 113   | 145720   | 69.763   | ug/l       | 0.00        |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 139.520% |             |
| 50) Toluene-d8              | 10.173    | 98    | 476752   | 60.190   | ug/l       | 0.00        |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 120.380% |             |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 153857   | 55.152   | ug/l       | 0.00        |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 110.300% |             |
| Target Compounds            |           |       |          |          |            |             |
| 20) Methylene Chloride      | 4.710     | 84    | 36569    | 9.035    | ug/l       | Qvalue # 79 |
| -----                       |           |       |          |          |            |             |

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

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HOLLAND-RD-COMP-4

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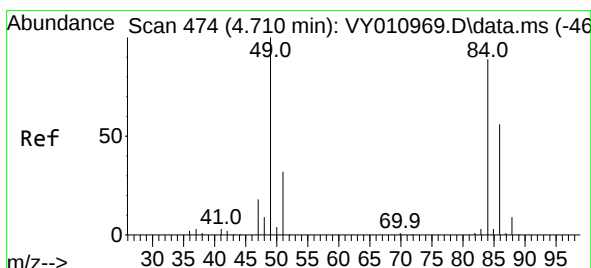
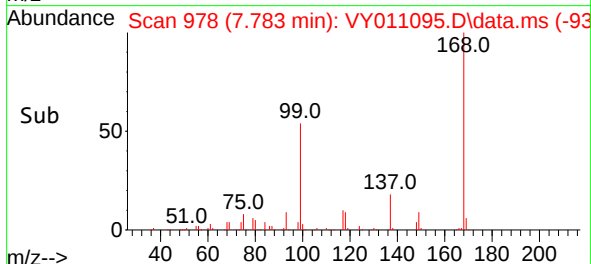
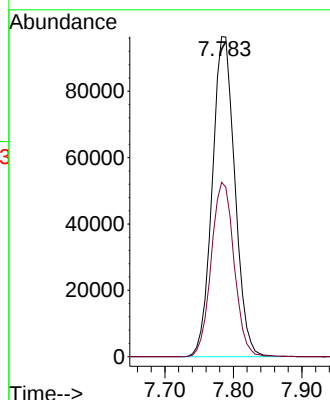
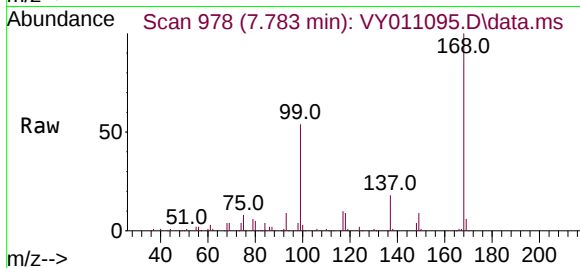




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

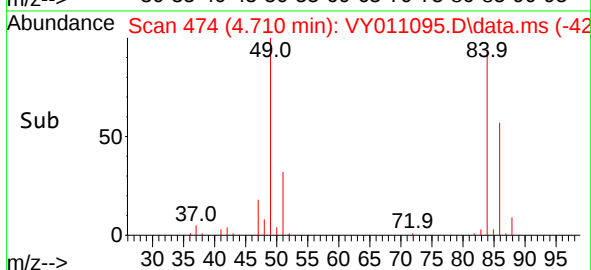
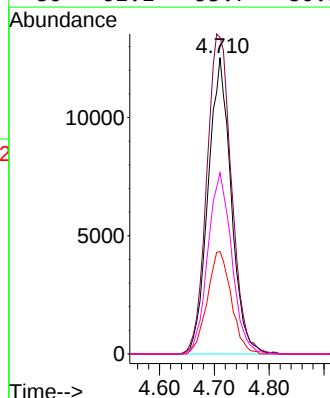
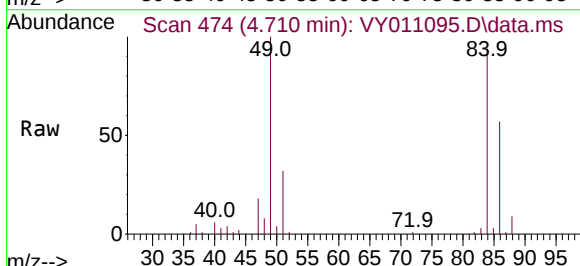
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HOLLAND-RD-COMP-4

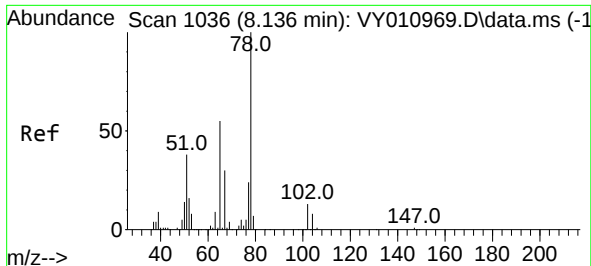
Tgt Ion:168 Resp: 220749  
Ion Ratio Lower Upper  
168 100  
99 54.5 46.9 70.3



#20  
Methylene Chloride  
Concen: 9.035 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

Tgt Ion: 84 Resp: 36569  
Ion Ratio Lower Upper  
84 100  
49 106.8 114.4 171.6#  
51 34.6 35.3 52.9#  
86 61.1 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 68.057 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011095.D

Acq: 25 Oct 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

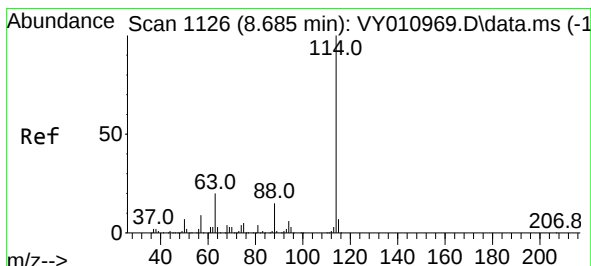
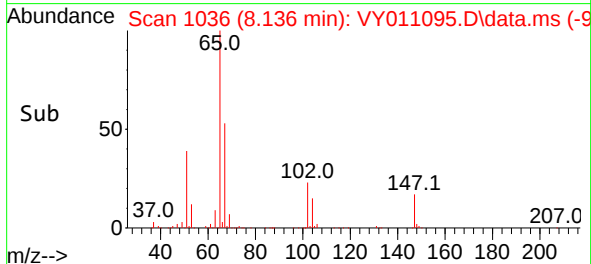
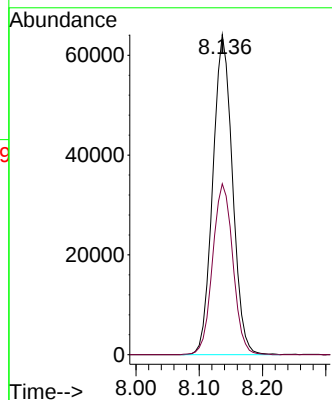
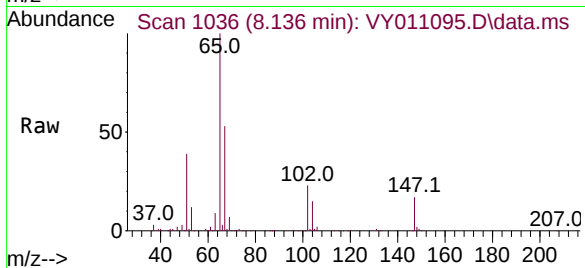
HOLLAND-RD-COMP-4

Tgt Ion: 65 Resp: 138388

Ion Ratio Lower Upper

65 100

67 55.1 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: VY011095.D

Acq: 25 Oct 2022 15:42

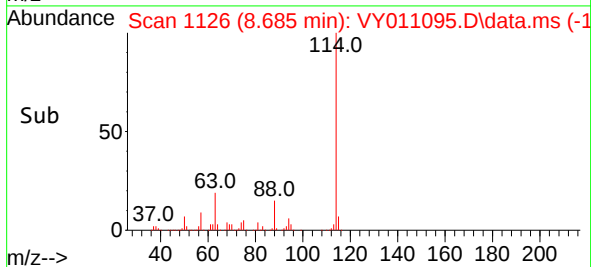
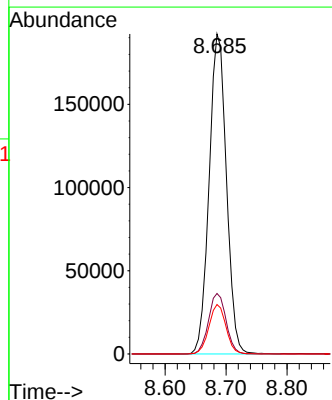
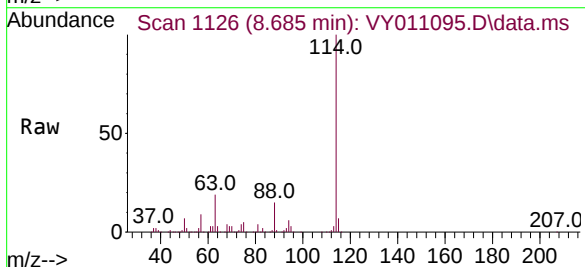
Tgt Ion:114 Resp: 379350

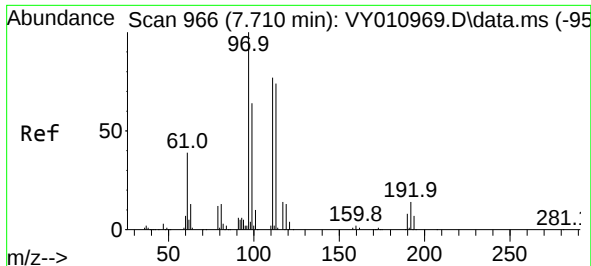
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8

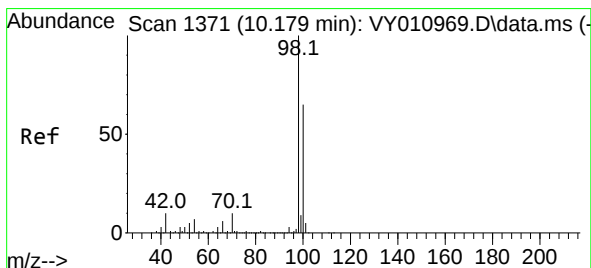
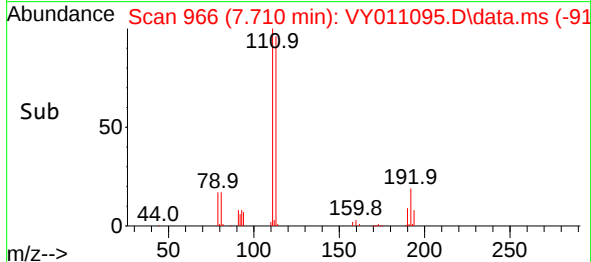
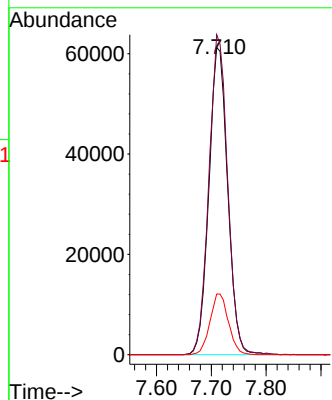
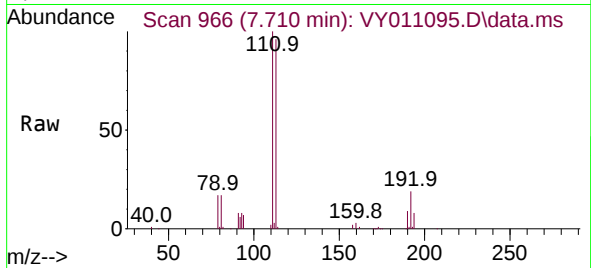




#35  
Dibromofluoromethane  
Concen: 69.763 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

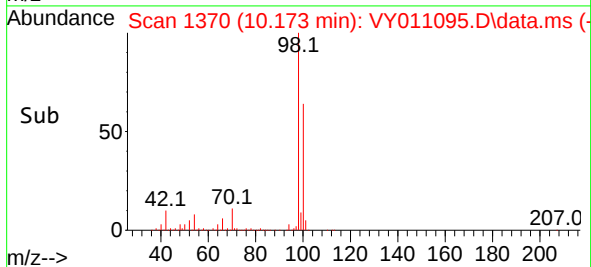
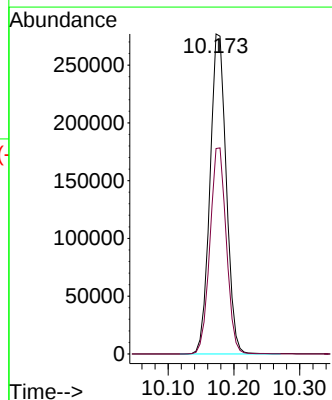
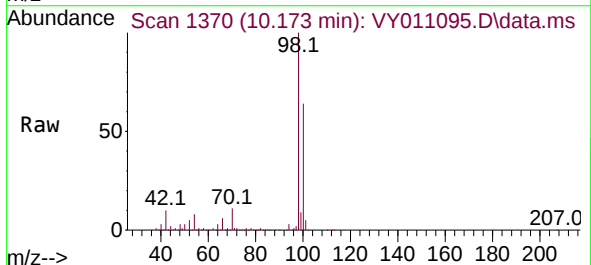
Instrument :  
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HOLLAND-RD-COMP-4

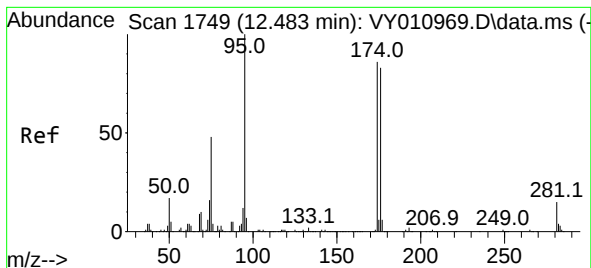
Tgt Ion:113 Resp: 145720  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.6 124.0  
192 19.4 17.6 26.4



#50  
Toluene-d8  
Concen: 60.190 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

Tgt Ion: 98 Resp: 476752  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2

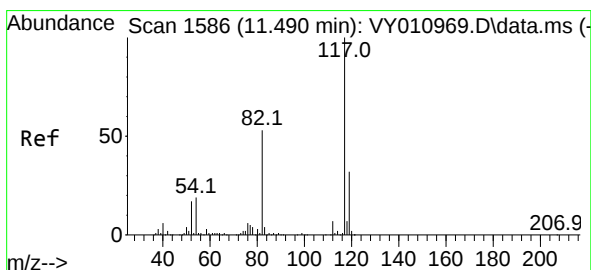
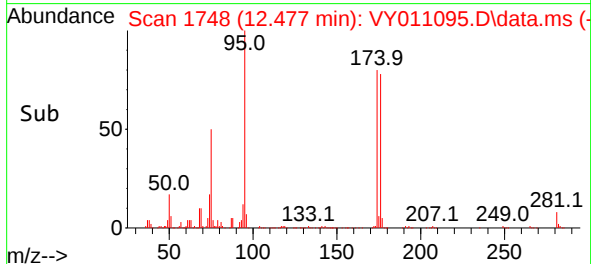
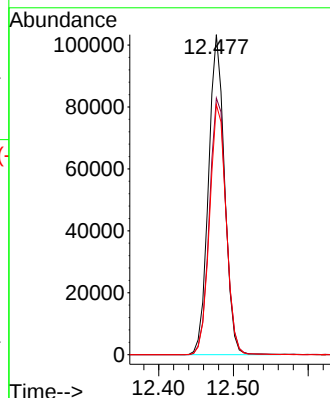
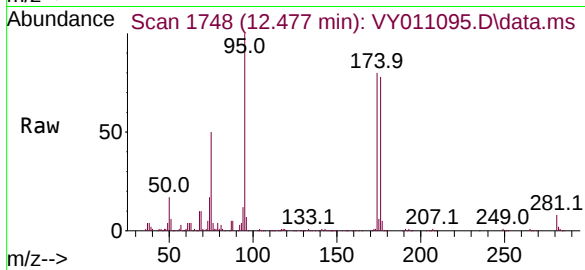




#62  
4-Bromofluorobenzene  
Concen: 55.152 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

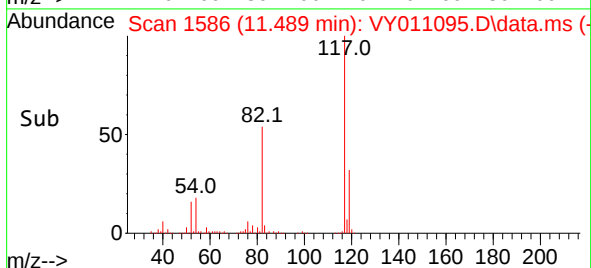
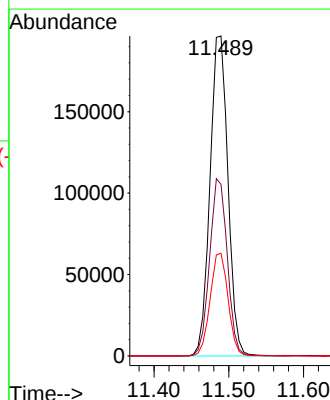
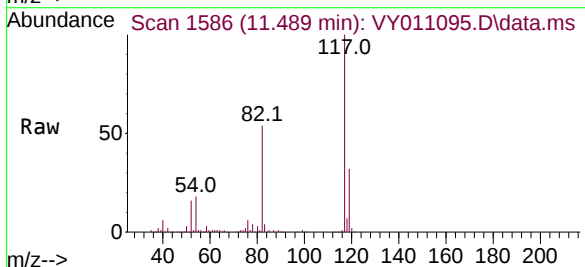
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MSVOA\_Y  
ClientSampleId :  
HOLLAND-RD-COMP-4

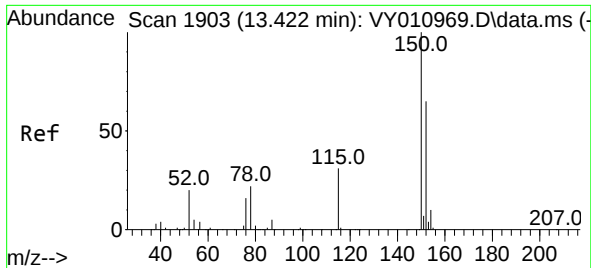
Tgt Ion: 95 Resp: 153857  
Ion Ratio Lower Upper  
95 100  
174 83.3 0.0 177.0  
176 80.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011095.D  
Acq: 25 Oct 2022 15:42

Tgt Ion: 117 Resp: 327796  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.0 64.4  
119 32.1 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: VY011095.D

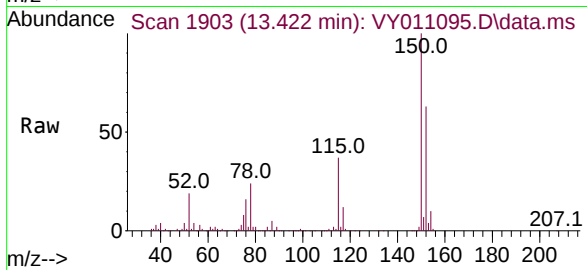
Acq: 25 Oct 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

HOLLAND-RD-COMP-4



Tgt Ion:152 Resp: 138506

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.7

150 156.9 0.0 347.6

