

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101322\  
 Data File : VY010955.D  
 Acq On : 13 Oct 2022 13:49  
 Operator : KP/MD  
 Sample : N5105-01  
 Misc : 5.81g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-01-101122

Quant Time: Oct 14 02:10:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 241202   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 414758   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 364898   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 164746   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 163092   | 66.707   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 133.420% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 164099   | 59.603   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 119.200% |
| 50) Toluene-d8              | 10.179 | 98    | 596337   | 63.335   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 126.660% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 193177   | 52.714   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 105.420% |

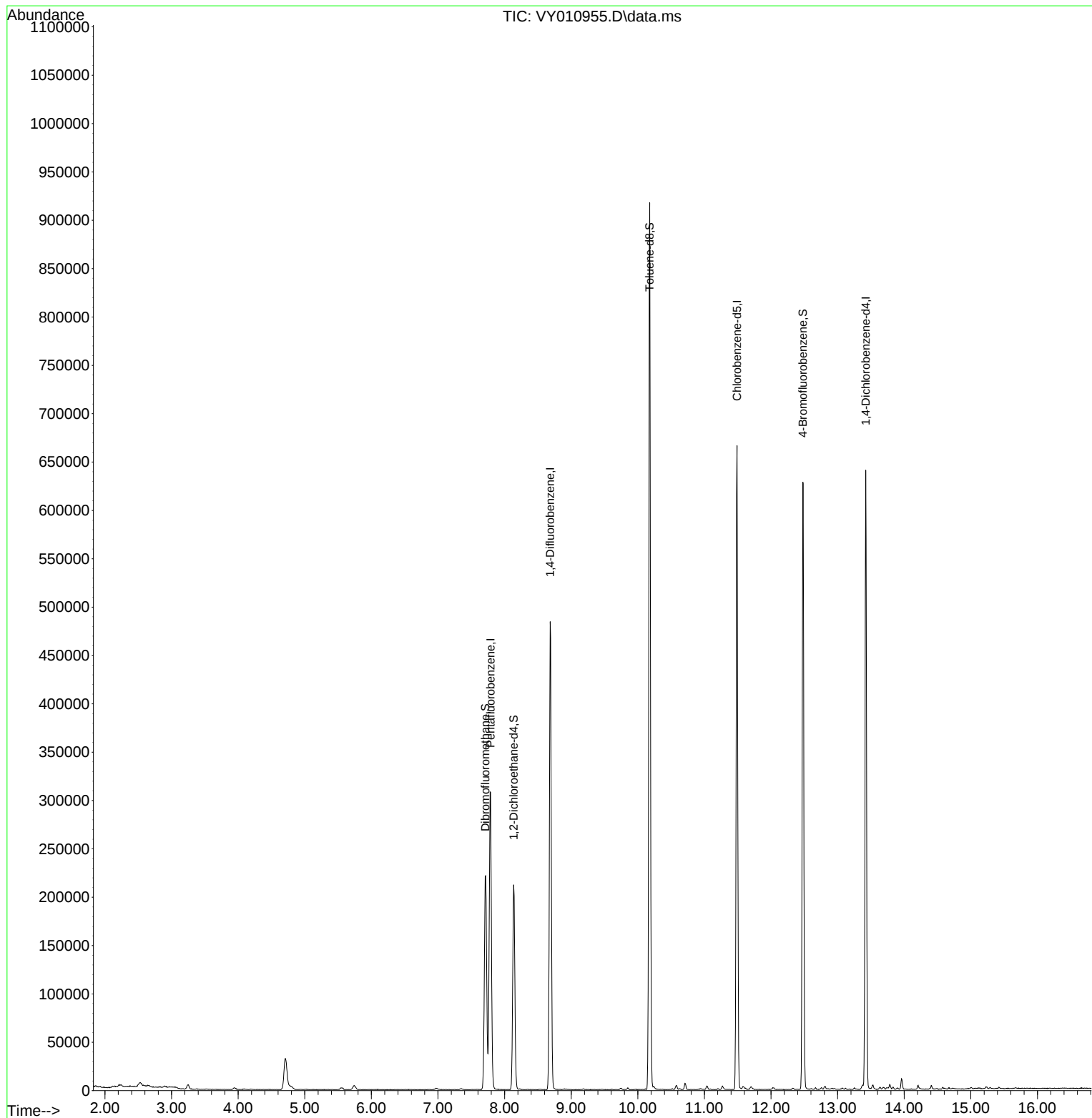
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

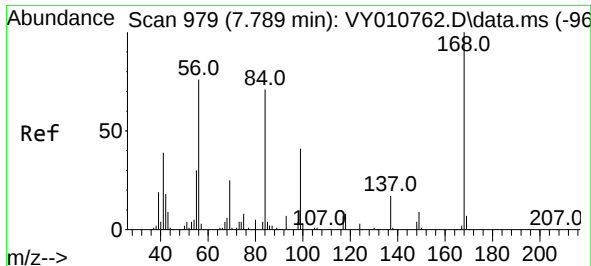
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N5105-01  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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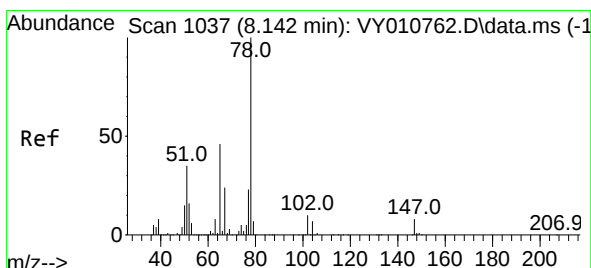
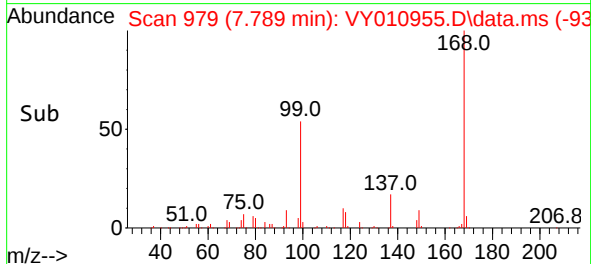
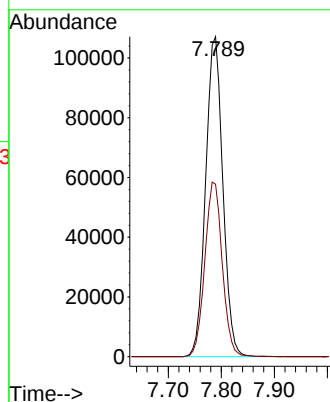
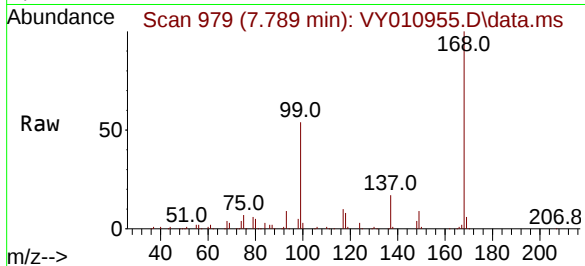




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010955.D  
Acq: 13 Oct 2022 13:49

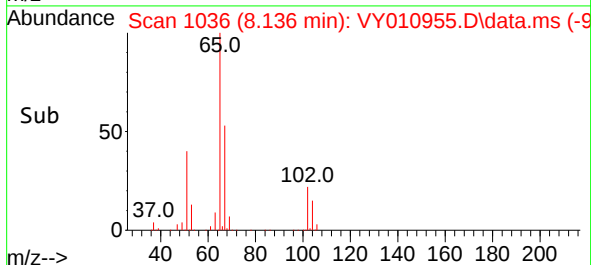
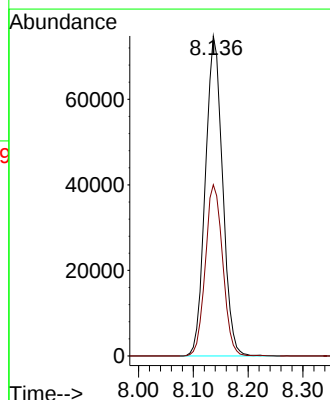
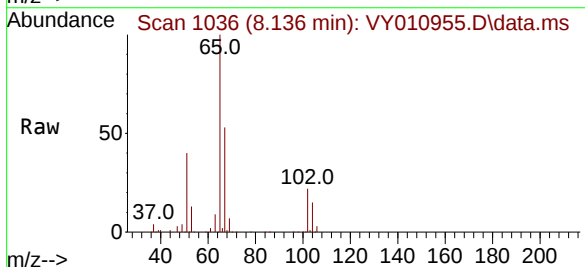
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-101122

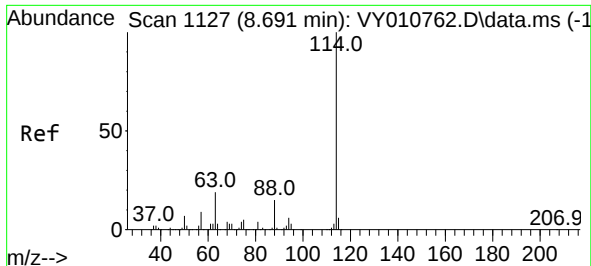
Tgt Ion:168 Resp: 241202  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 66.707 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY010955.D  
Acq: 13 Oct 2022 13:49

Tgt Ion: 65 Resp: 163092  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

PL-01-101122

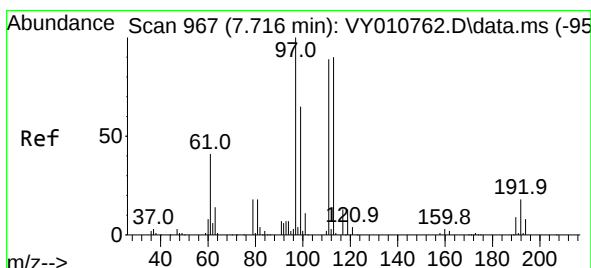
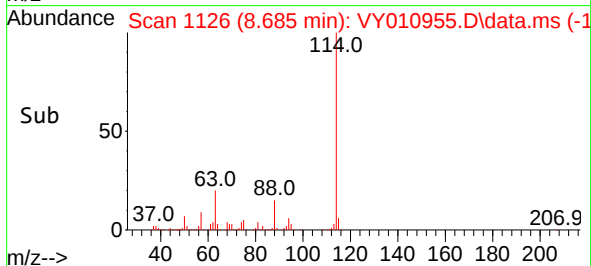
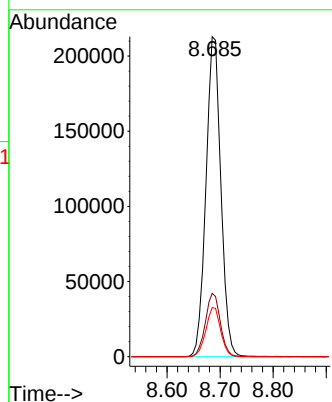
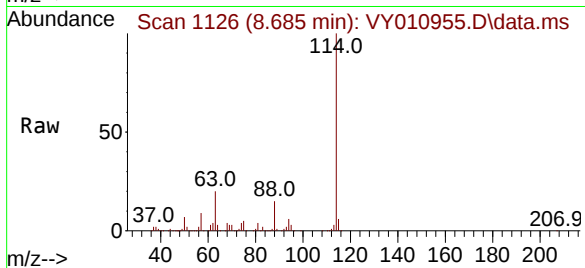
Tgt Ion:114 Resp: 414758

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.603 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

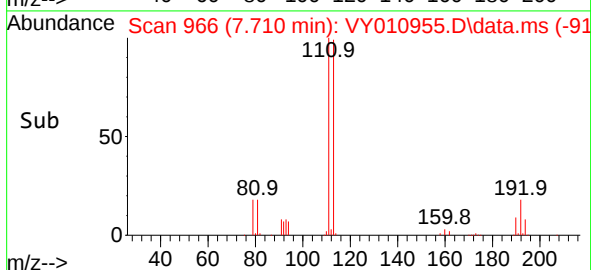
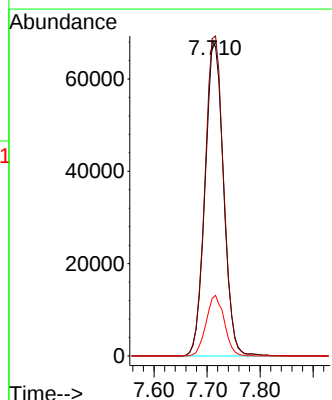
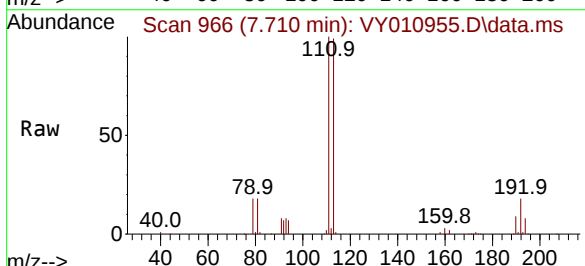
Tgt Ion:113 Resp: 164099

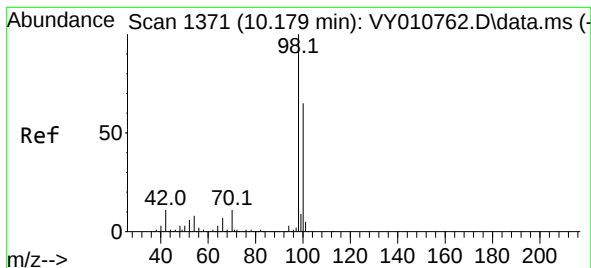
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.1 17.6 26.4





#50

Toluene-d8

Concen: 63.335 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

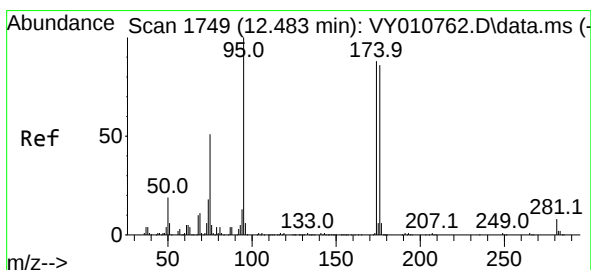
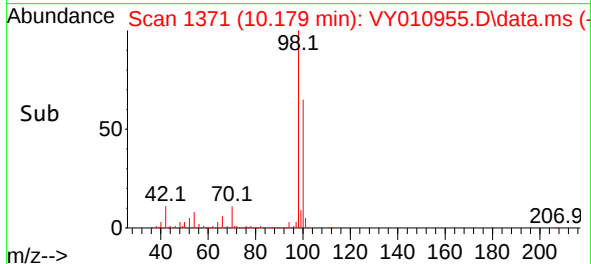
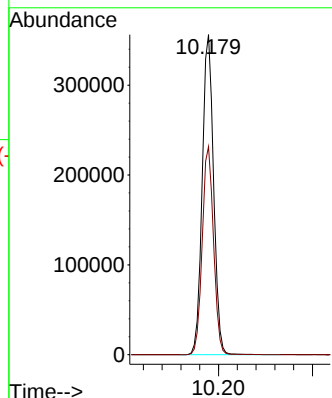
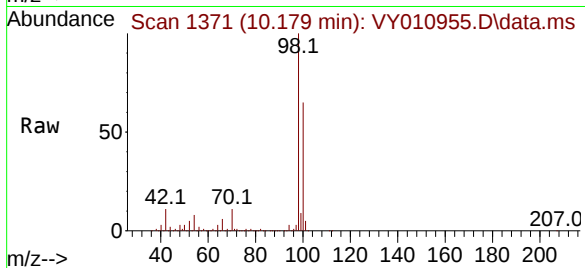
PL-01-101122

Tgt Ion: 98 Resp: 596337

Ion Ratio Lower Upper

98 100

100 64.7 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 52.714 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

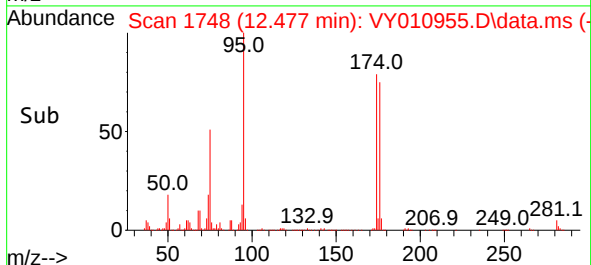
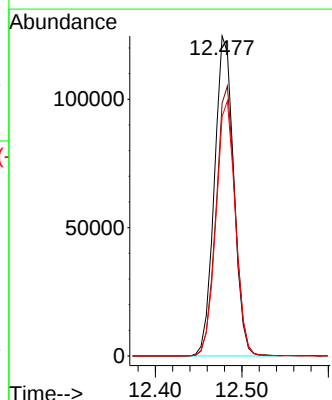
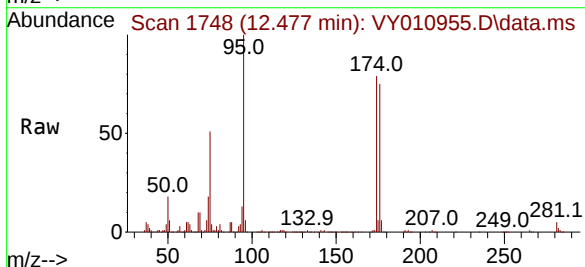
Tgt Ion: 95 Resp: 193177

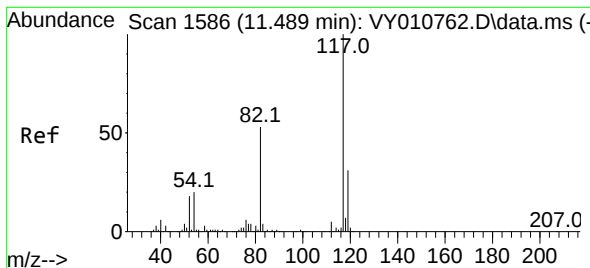
Ion Ratio Lower Upper

95 100

174 83.9 0.0 177.0

176 79.7 0.0 175.8

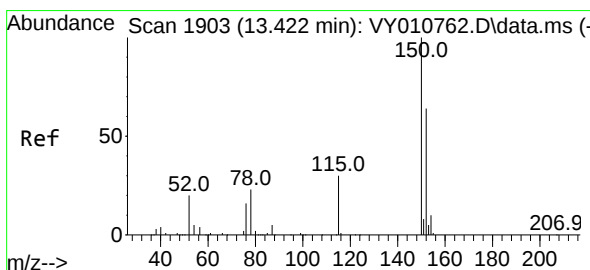
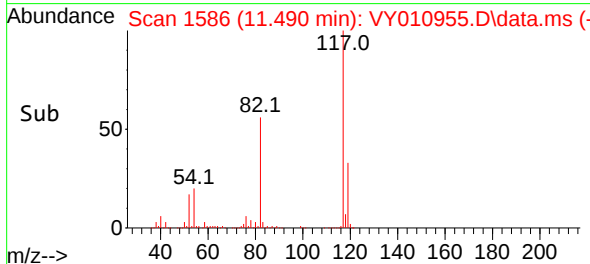
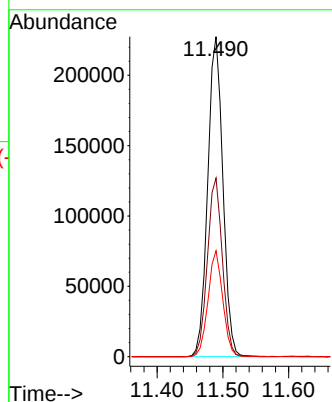
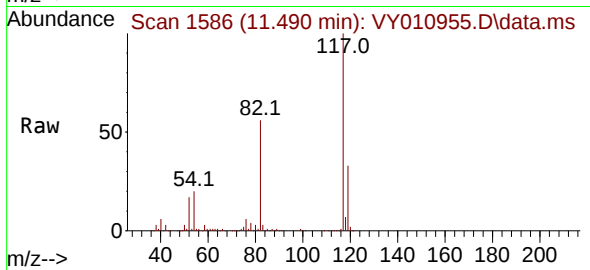




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY010955.D  
Acq: 13 Oct 2022 13:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-101122

Tgt Ion:117 Resp: 364898  
Ion Ratio Lower Upper  
117 100  
82 55.8 43.0 64.4  
119 33.1 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: VY010955.D  
Acq: 13 Oct 2022 13:49

Tgt Ion:152 Resp: 164746  
Ion Ratio Lower Upper  
152 100  
115 59.0 28.2 84.7  
150 158.2 0.0 347.6

