

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
 Data File : VY008464.D  
 Acq On : 22 Apr 2022 15:01  
 Operator : KP/MD  
 Sample : N2523-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-01-042122

Quant Time: Apr 23 01:52:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 59217    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 108582   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 106494   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 46480    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 34718    | 49.828   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.660% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 35027    | 49.984   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.960% |
| 50) Toluene-d8              | 10.179 | 98    | 132155   | 47.438   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 94.880% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 44139    | 46.776   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.560% |

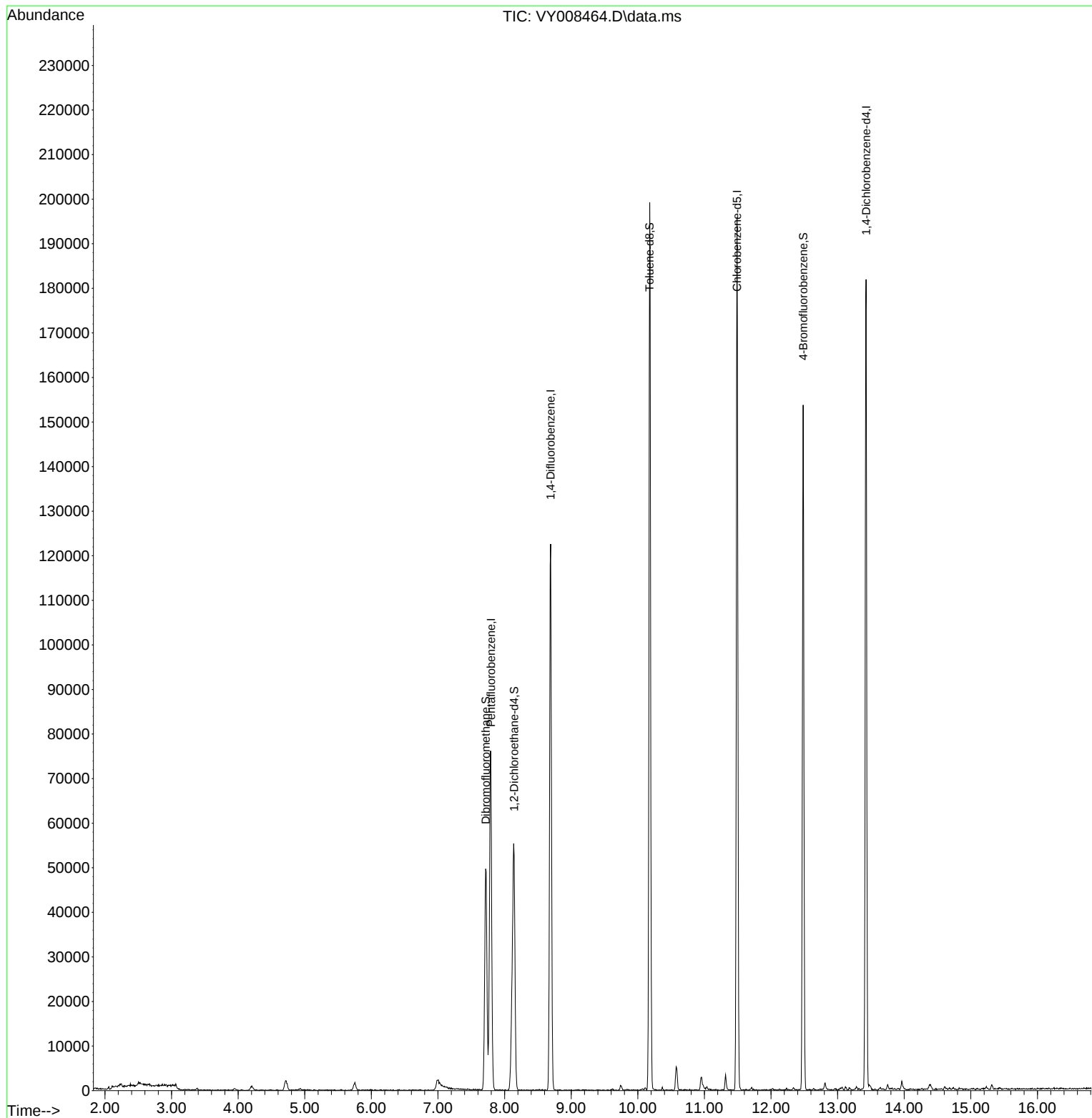
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

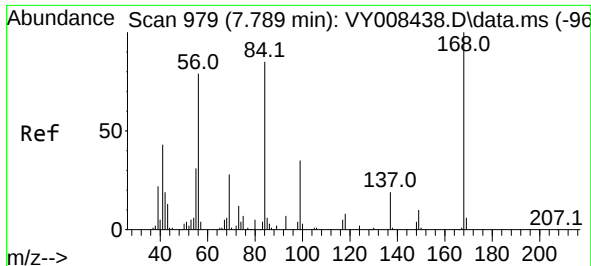
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-01-042122

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Quant Title : SW846 8260  
QLast Update : Thu Apr 21 14:28:40 2022  
Response via : Initial Calibration

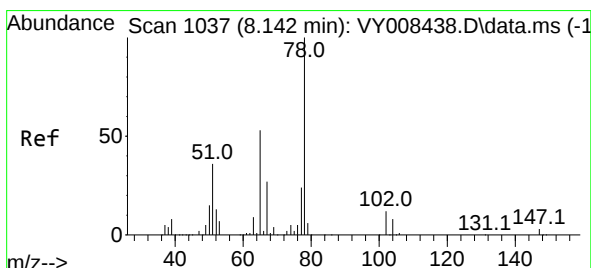
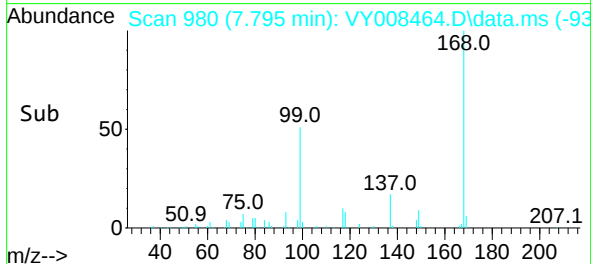
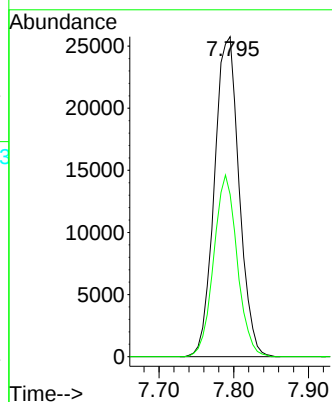
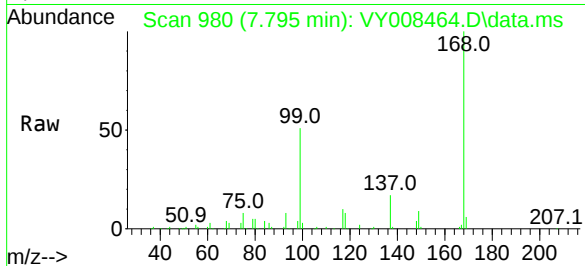




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

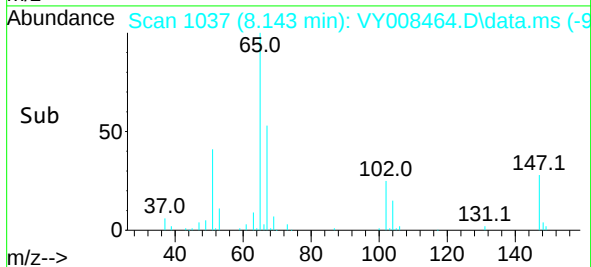
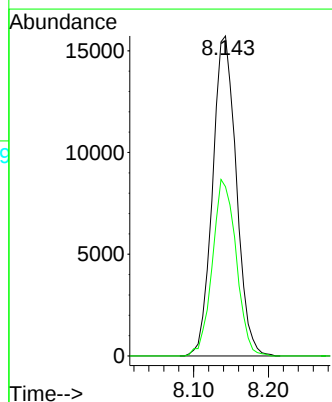
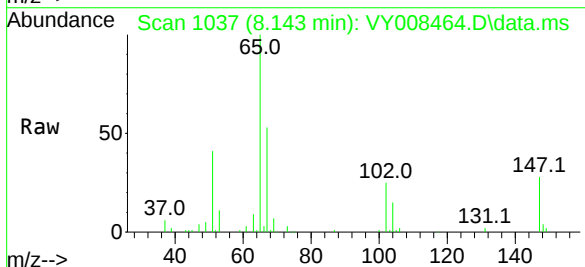
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-042122

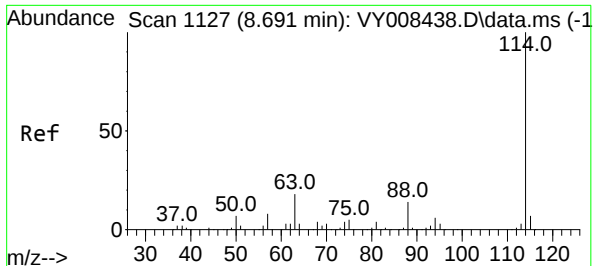
Tgt Ion:168 Resp: 59217  
Ion Ratio Lower Upper  
168 100  
99 50.7 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.828 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 65 Resp: 34718  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

SU-01-042122

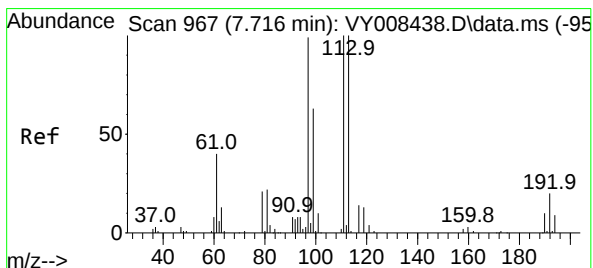
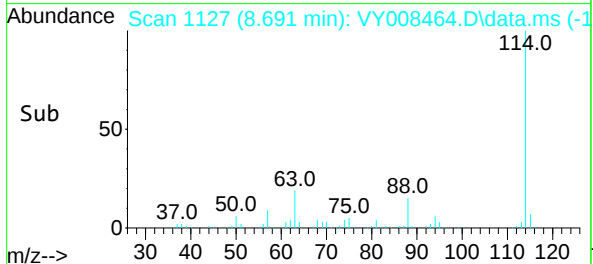
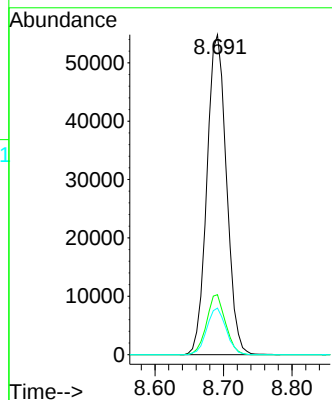
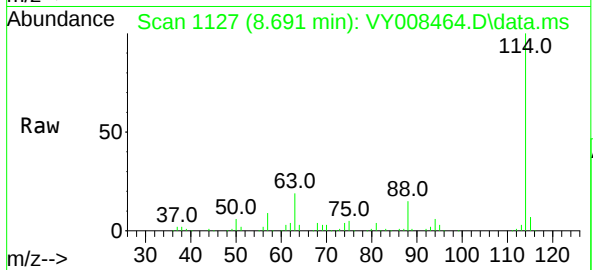
Tgt Ion:114 Resp: 108582

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

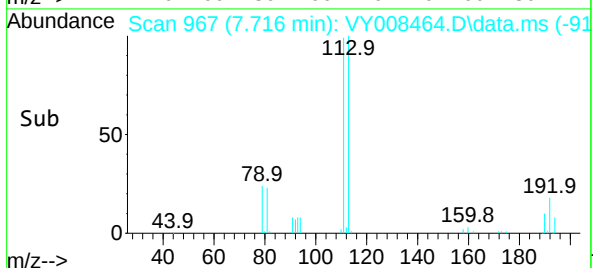
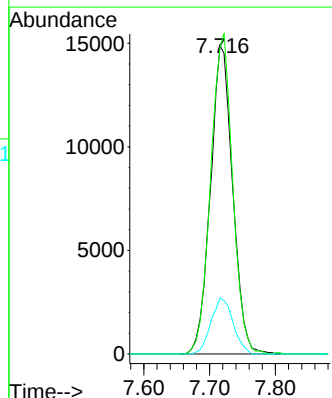
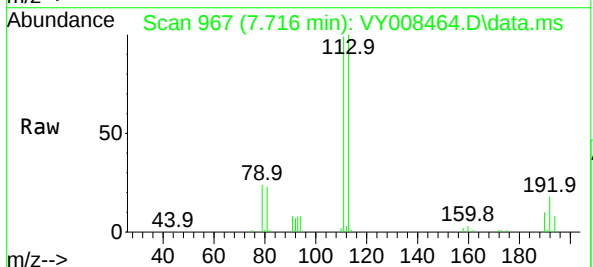
Tgt Ion:113 Resp: 35027

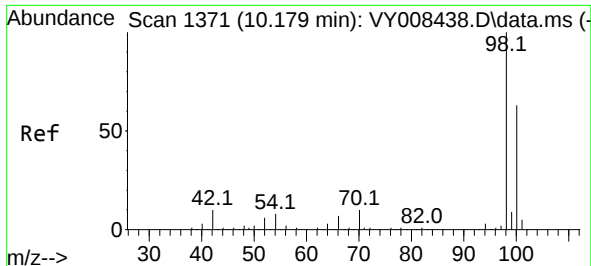
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.0 17.6 26.4

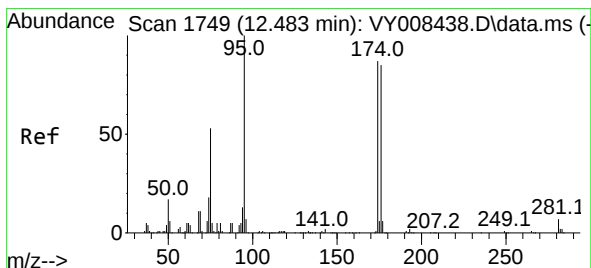
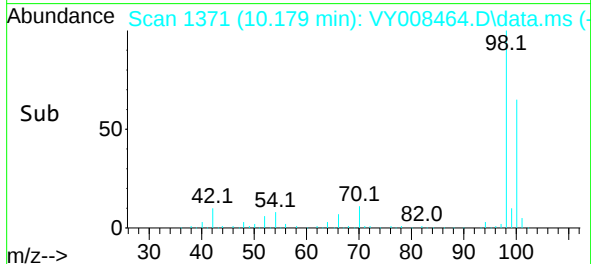
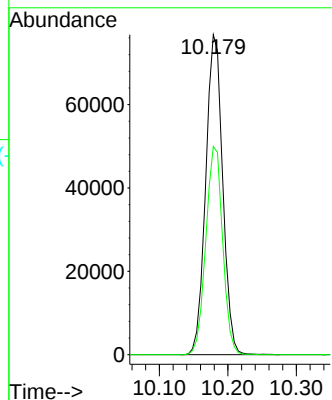
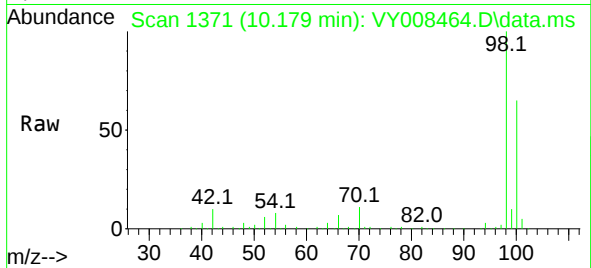




#50  
Toluene-d8  
Concen: 47.438 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

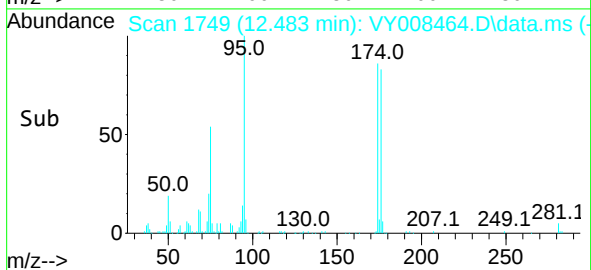
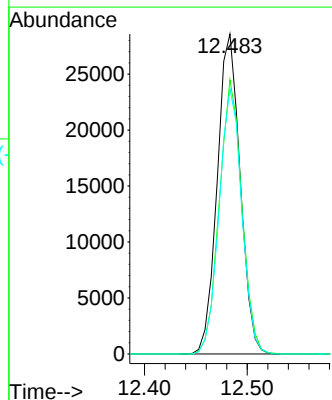
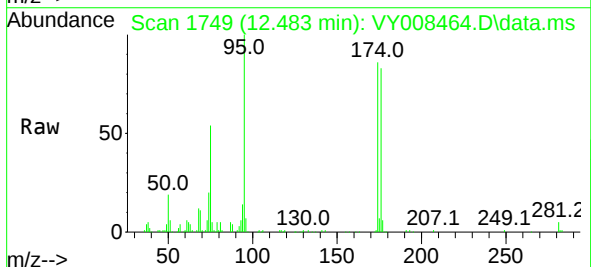
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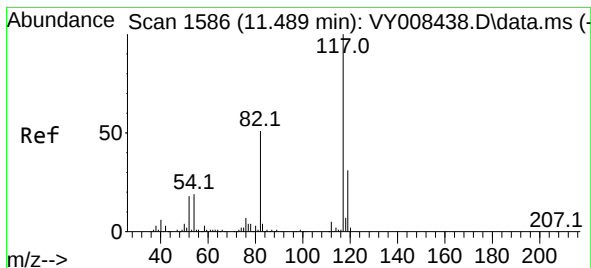
Tgt Ion: 98 Resp: 132155  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.776 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 95 Resp: 44139  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 177.0  
176 82.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

SU-01-042122

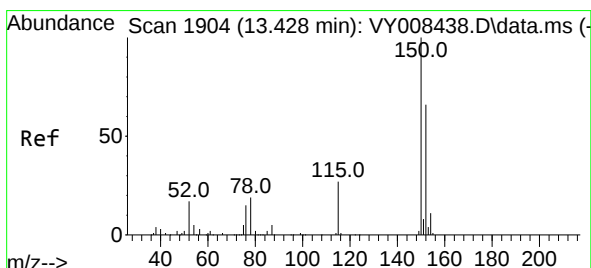
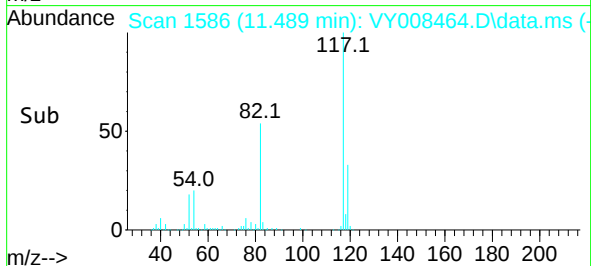
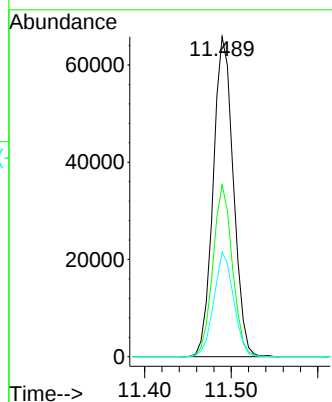
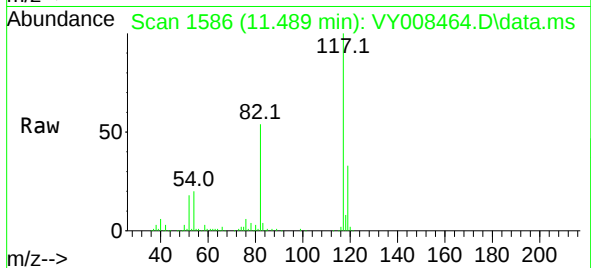
Tgt Ion:117 Resp: 106494

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

119 32.7 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: VY008464.D

Acq: 22 Apr 2022 15:01

Tgt Ion:152 Resp: 46480

Ion Ratio Lower Upper

152 100

115 58.5 28.2 84.7

150 157.9 0.0 347.6

