

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020822\  
 Data File : VY007434.D  
 Acq On : 08 Feb 2022 15:33  
 Operator : SY/MD  
 Sample : N1432-13  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-5

Quant Time: Feb 09 00:56:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

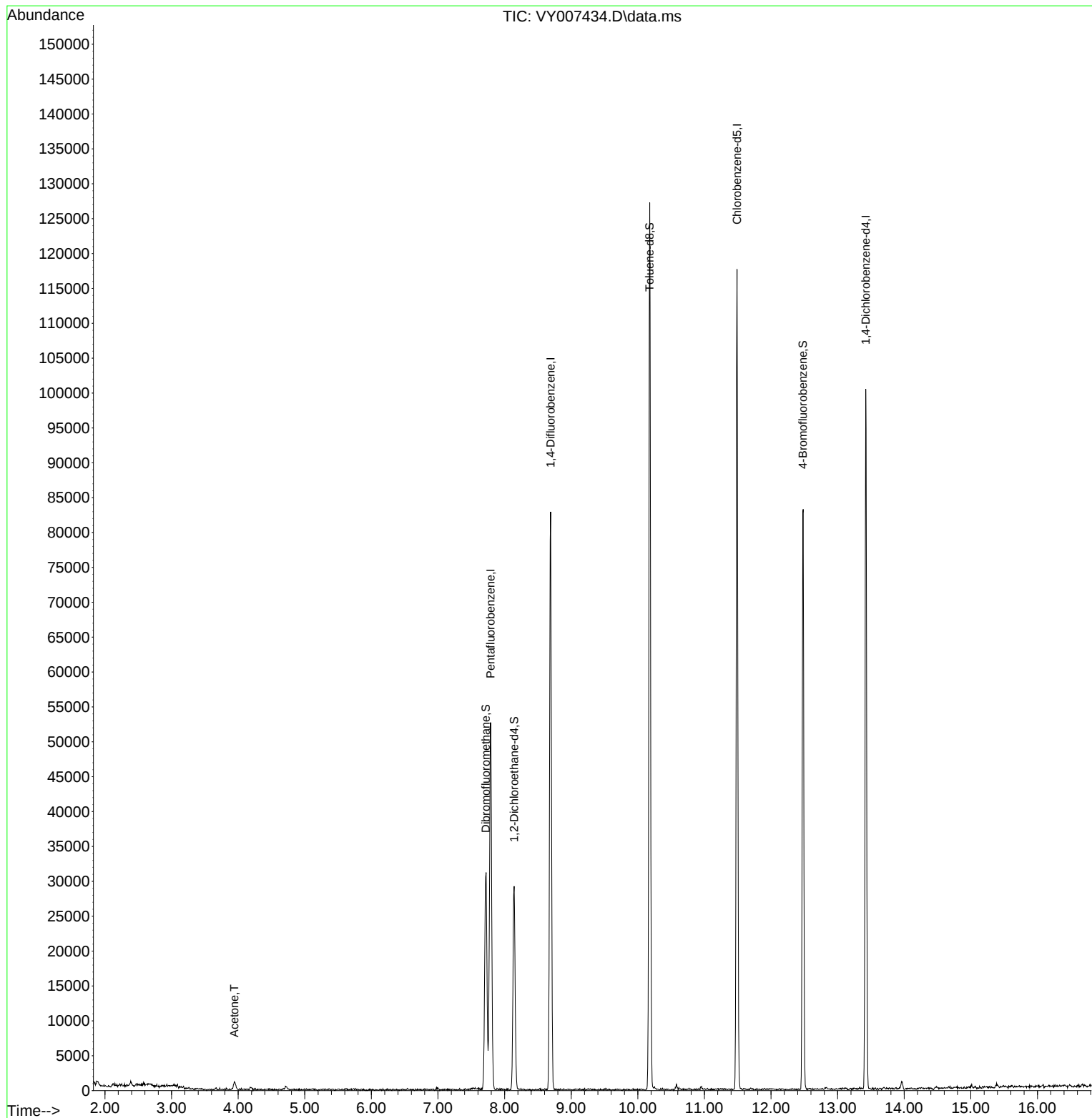
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 39218    | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 70275    | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 62789    | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 24630    | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 23173    | 51.370   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.740% |           |
| 35) Dibromofluoromethane    | 7.716  | 113   | 22037    | 48.834   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 97.660%  |           |
| 50) Toluene-d8              | 10.179 | 98    | 83523    | 50.098   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 100.200% |           |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 26626    | 46.988   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 93.980%  |           |
| Target Compounds            |        |       |          |          |            |           |
| 16) Acetone                 | 3.942  | 43    | 2047     | 13.972   | ug/l       | Qvalue 95 |
| -----                       |        |       |          |          |            |           |

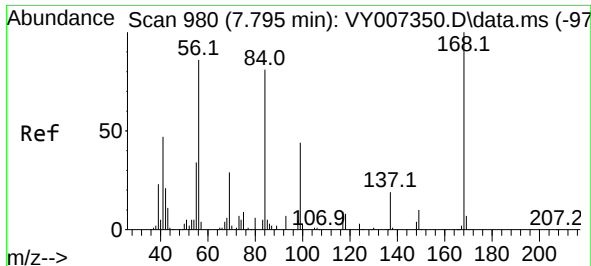
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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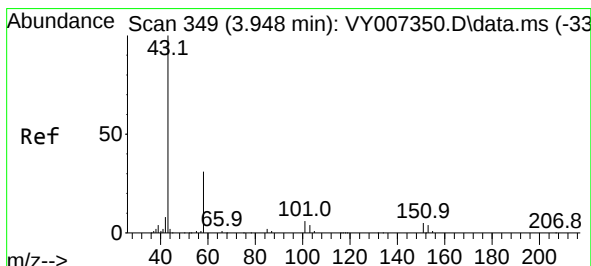
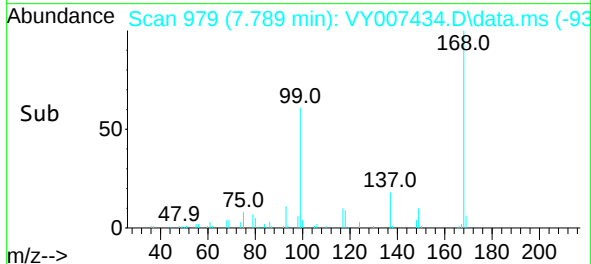
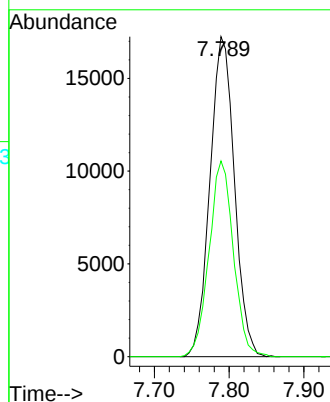
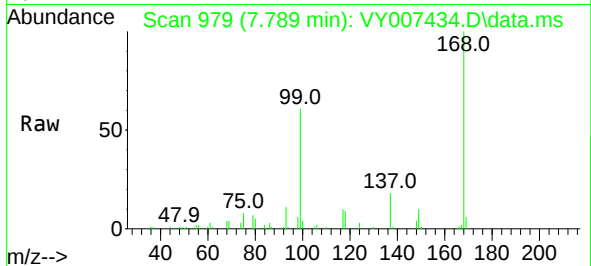




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007434.D  
Acq: 08 Feb 2022 15:33

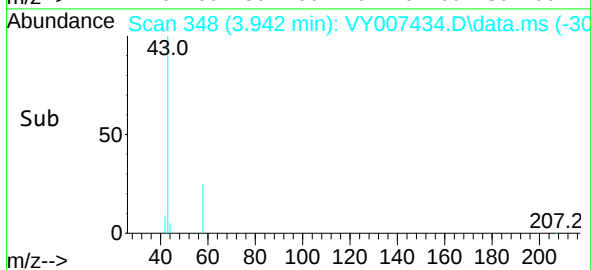
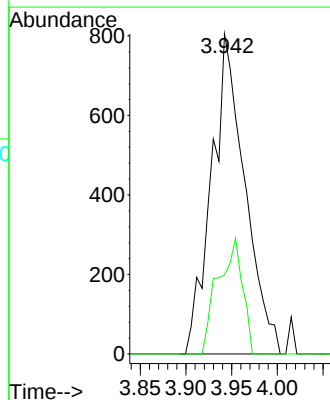
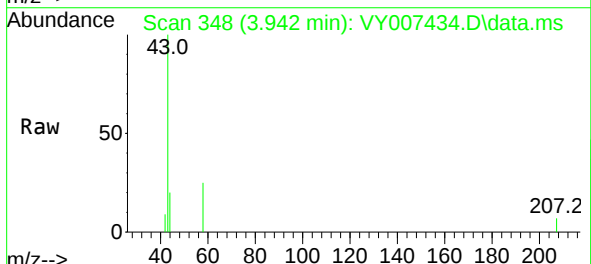
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-5

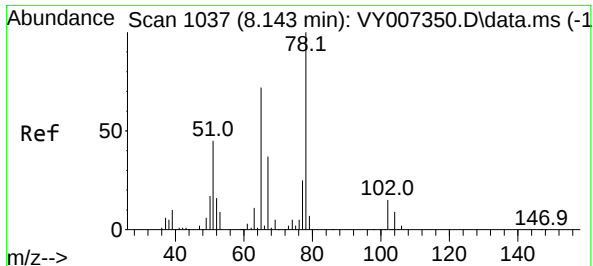
Tgt Ion:168 Resp: 39218  
Ion Ratio Lower Upper  
168 100  
99 61.1 46.9 70.3



#16  
Acetone  
Concen: 13.972 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY007434.D  
Acq: 08 Feb 2022 15:33

Tgt Ion: 43 Resp: 2047  
Ion Ratio Lower Upper  
43 100  
58 24.7 22.0 33.0





#33

1,2-Dichloroethane-d4

Concen: 51.370 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY007434.D

Acq: 08 Feb 2022 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

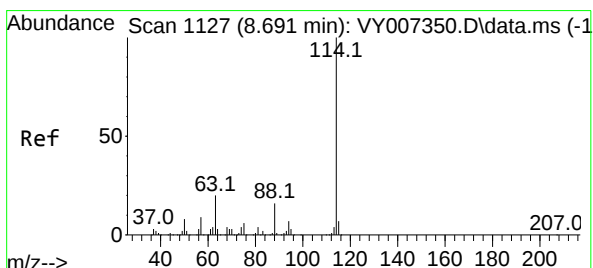
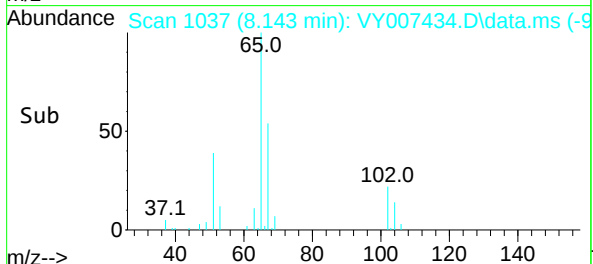
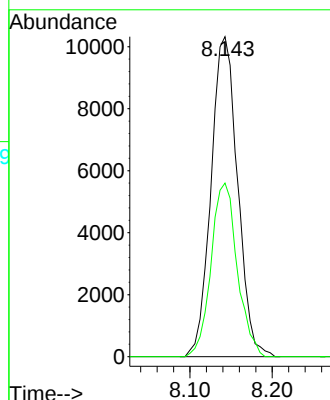
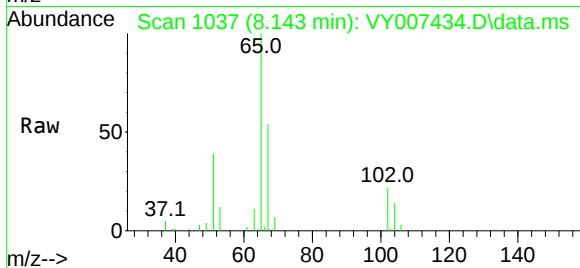
SP-5

Tgt Ion: 65 Resp: 23173

Ion Ratio Lower Upper

65 100

67 53.5 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: VY007434.D

Acq: 08 Feb 2022 15:33

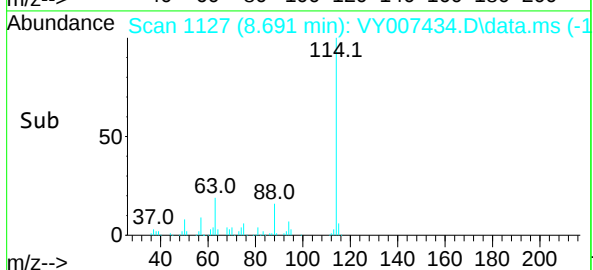
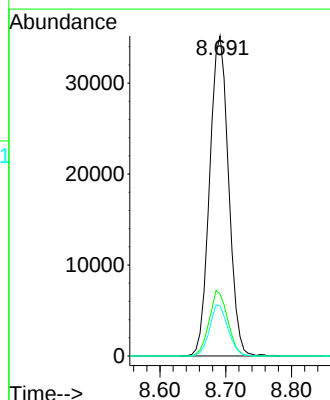
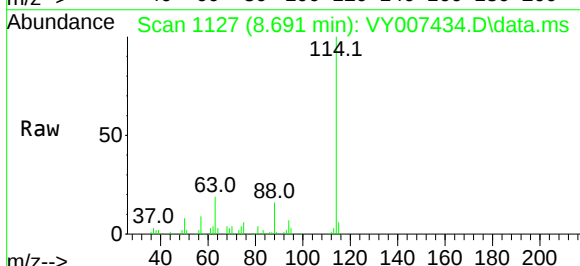
Tgt Ion: 114 Resp: 70275

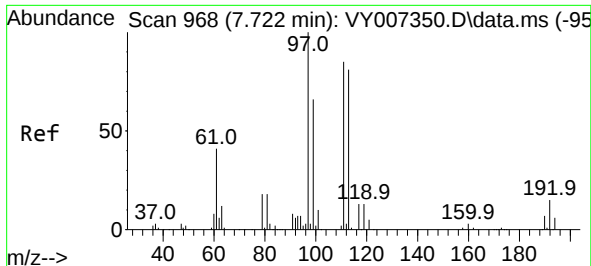
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.834 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY007434.D

Acq: 08 Feb 2022 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

SP-5

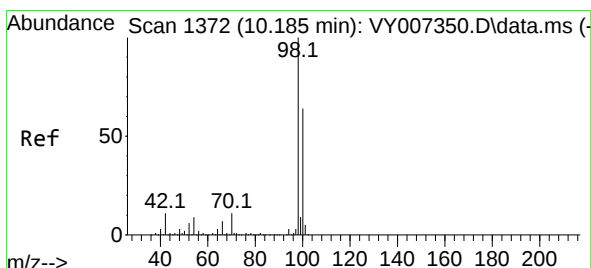
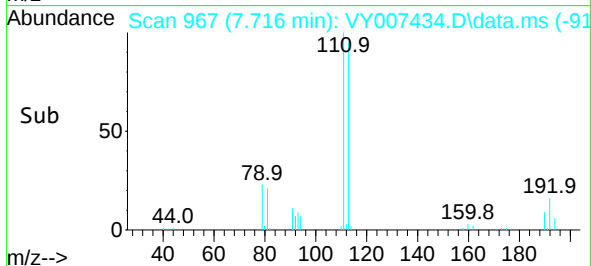
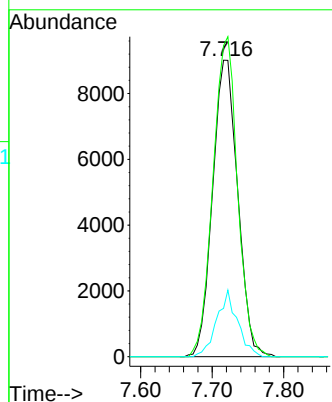
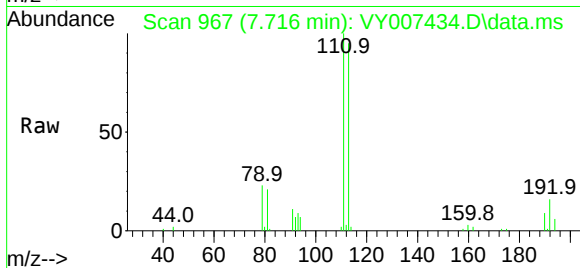
Tgt Ion:113 Resp: 22037

Ion Ratio Lower Upper

113 100

111 105.4 82.6 124.0

192 18.6 17.6 26.4



#50

Toluene-d8

Concen: 50.098 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY007434.D

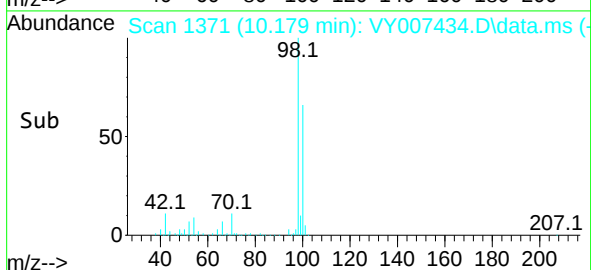
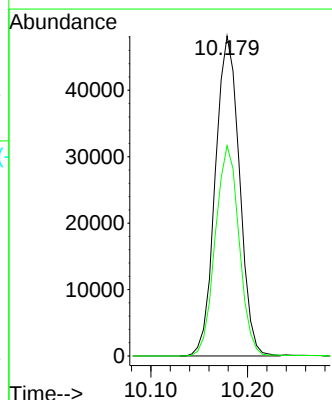
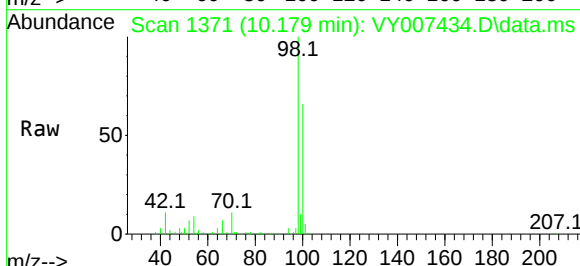
Acq: 08 Feb 2022 15:33

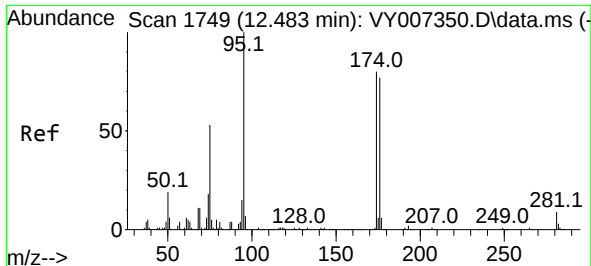
Tgt Ion: 98 Resp: 83523

Ion Ratio Lower Upper

98 100

100 64.9 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 46.988 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007434.D

Acq: 08 Feb 2022 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

SP-5

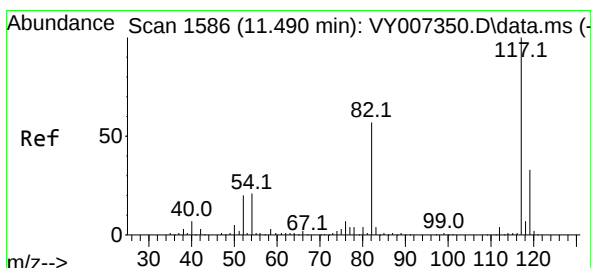
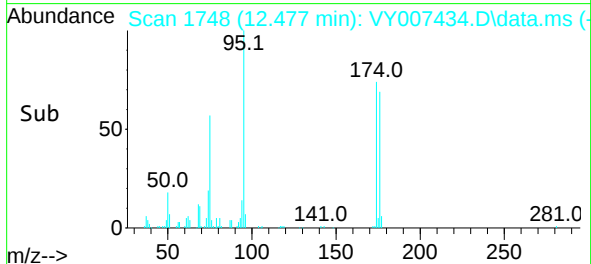
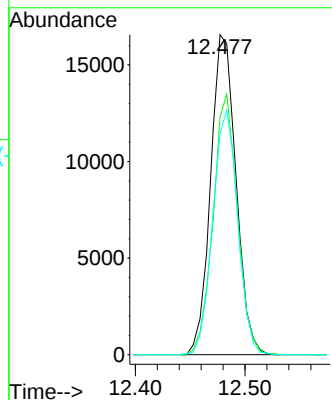
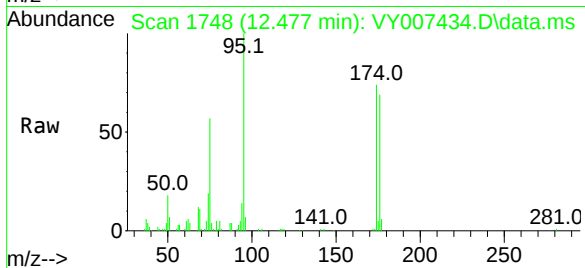
Tgt Ion: 95 Resp: 26626

Ion Ratio Lower Upper

95 100

174 78.0 0.0 177.0

176 75.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY007434.D

Acq: 08 Feb 2022 15:33

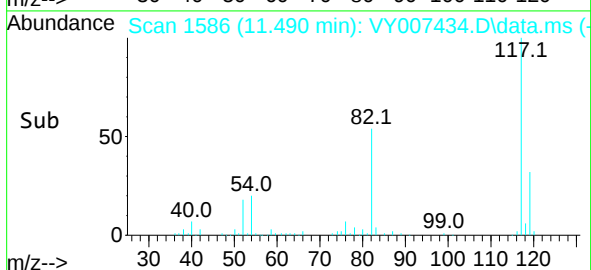
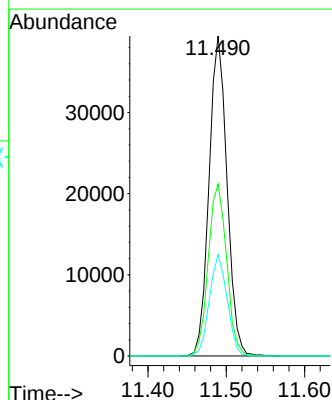
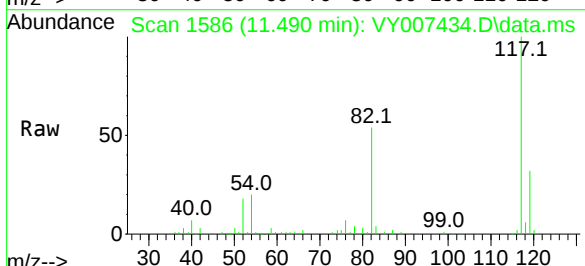
Tgt Ion: 117 Resp: 62789

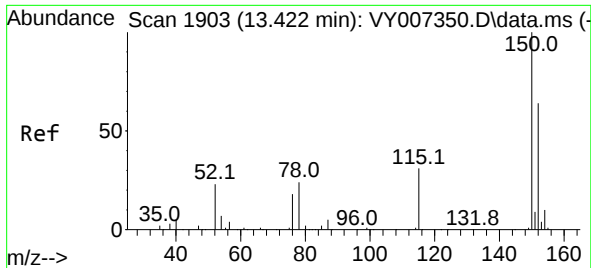
Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

119 31.7 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: VY007434.D

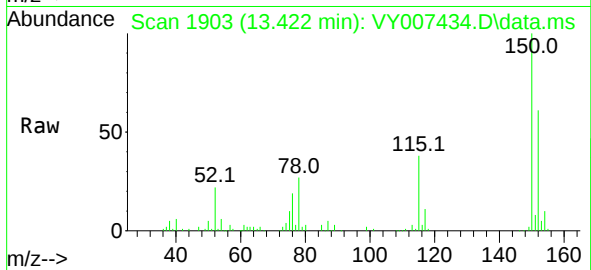
Acq: 08 Feb 2022 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

SP-5



Tgt Ion:152 Resp: 24630

Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 159.7 0.0 347.6

