

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
 Data File : VY008466.D  
 Acq On : 22 Apr 2022 15:48  
 Operator : KP/MD  
 Sample : N2526-04  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-5S

Quant Time: Apr 23 01:53:18 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

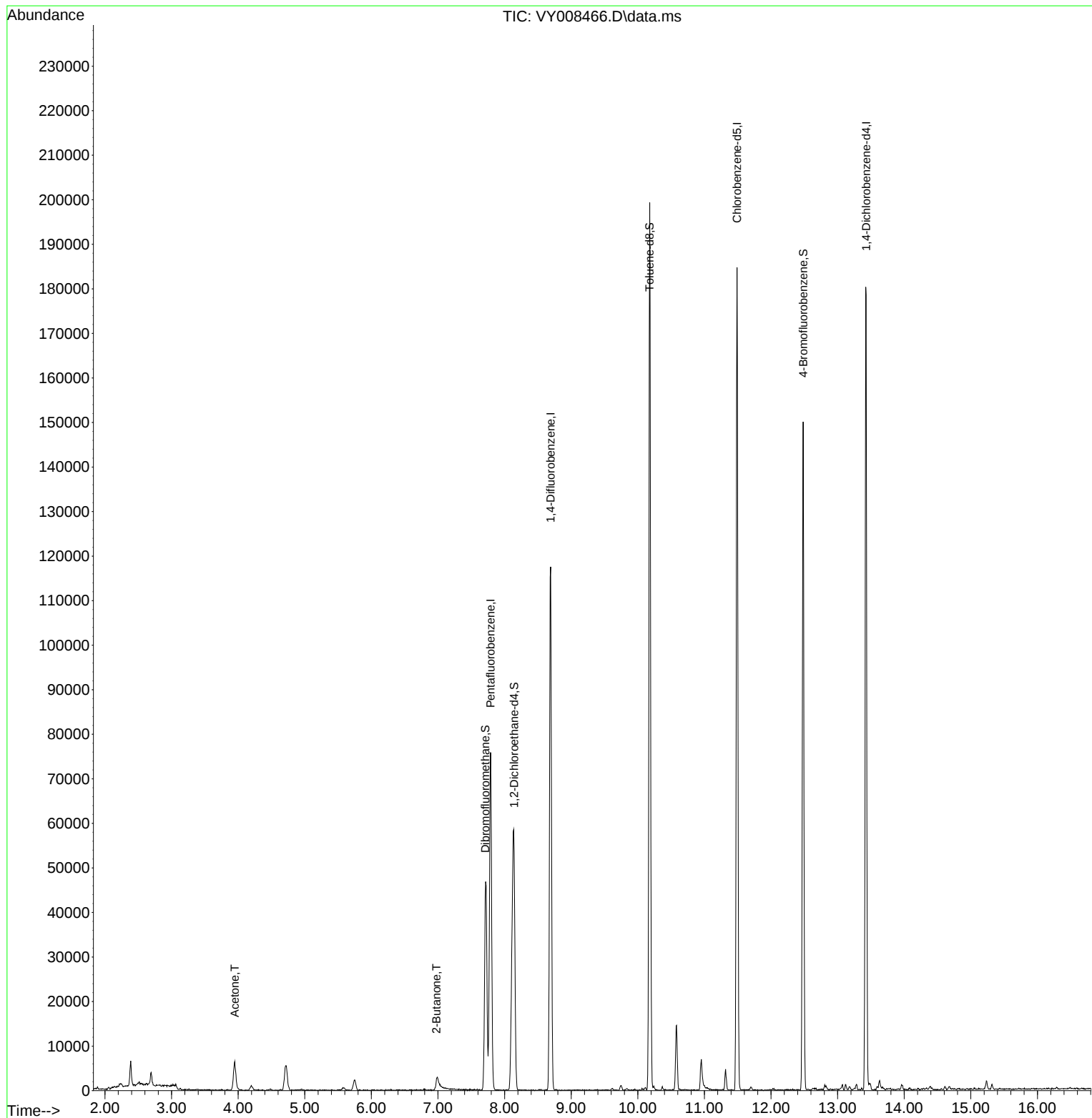
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 59037    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 107435   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 103250   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 46099    | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 33489    | 48.210   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 96.420%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 33969    | 48.991   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 97.980%  |
| 50) Toluene-d8              | 10.179 | 98    | 130325   | 47.288   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 94.580%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 42328    | 45.336   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 90.680%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 3.948  | 43    | 10829    | 66.930   | ug/l # | 89       |
| 25) 2-Butanone              | 6.978  | 43    | 2732     | 10.914   | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

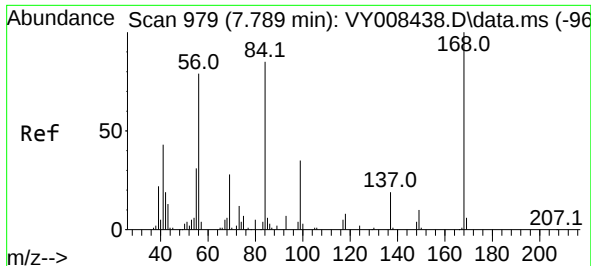
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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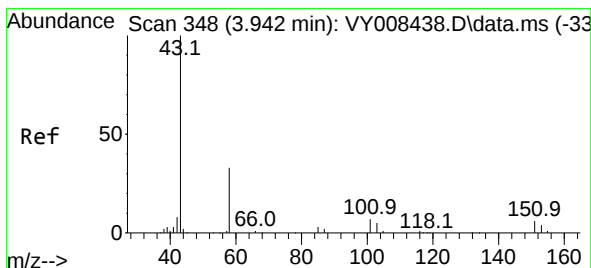
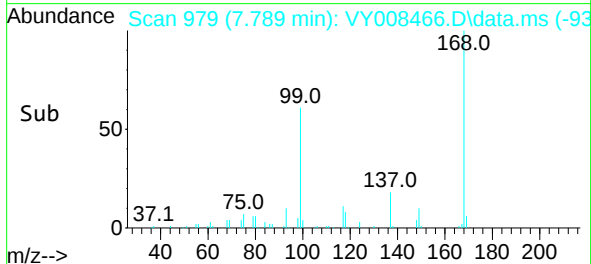
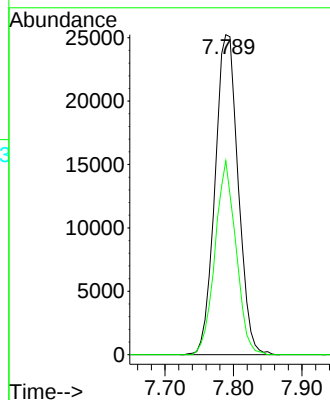
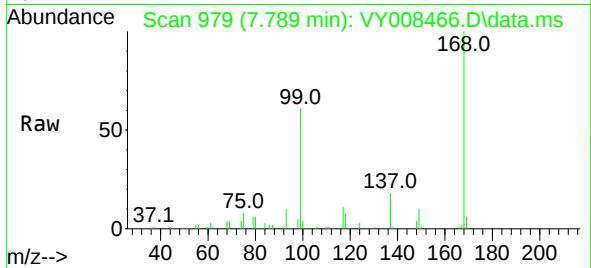




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008466.D  
Acq: 22 Apr 2022 15:48

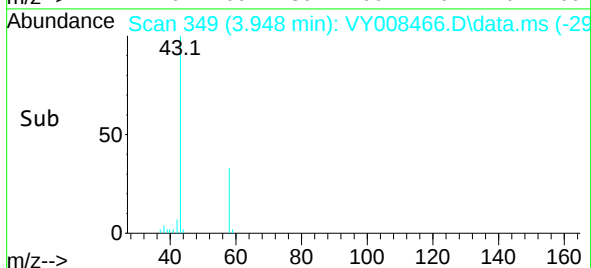
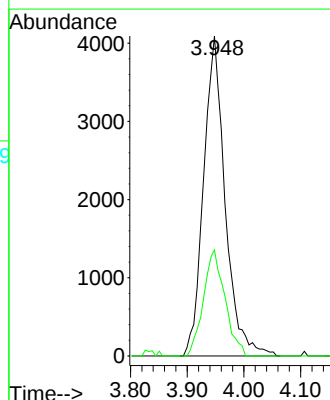
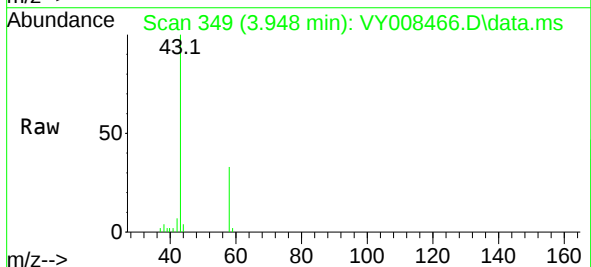
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-5S

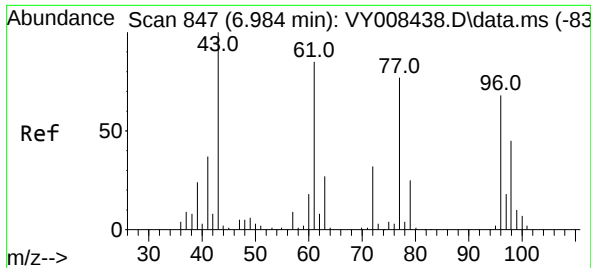
Tgt Ion:168 Resp: 59037  
Ion Ratio Lower Upper  
168 100  
99 60.6 46.9 70.3



#16  
Acetone  
Concen: 66.930 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY008466.D  
Acq: 22 Apr 2022 15:48

Tgt Ion: 43 Resp: 10829  
Ion Ratio Lower Upper  
43 100  
58 33.1 22.0 33.0#





#25

2-Butanone

Concen: 10.914 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008466.D

Acq: 22 Apr 2022 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

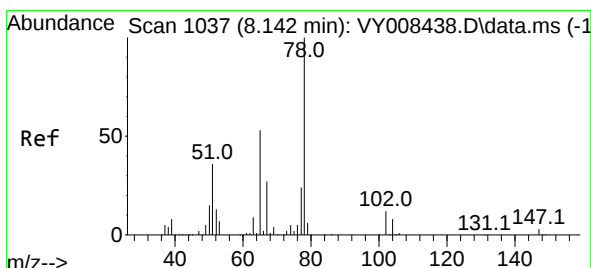
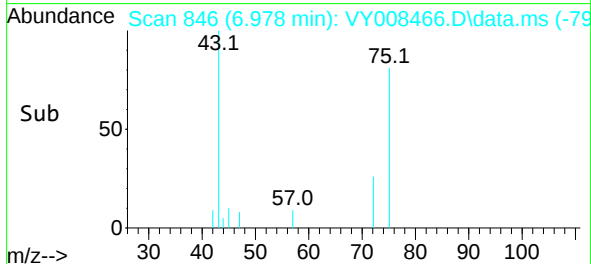
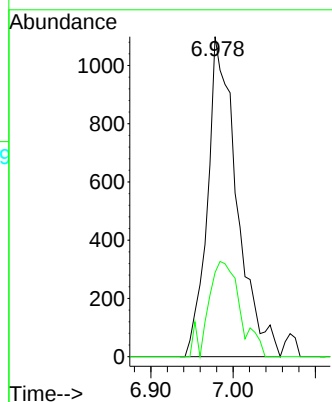
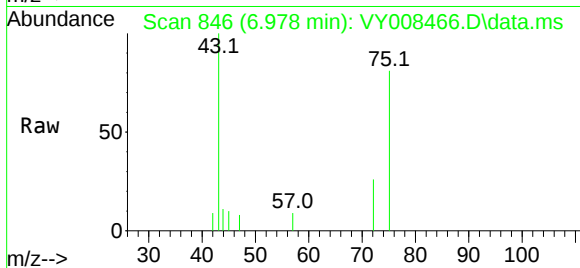
MH-5S

Tgt Ion: 43 Resp: 2732

Ion Ratio Lower Upper

43 100

72 26.3 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 48.210 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008466.D

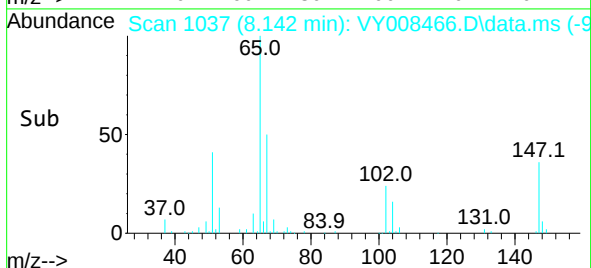
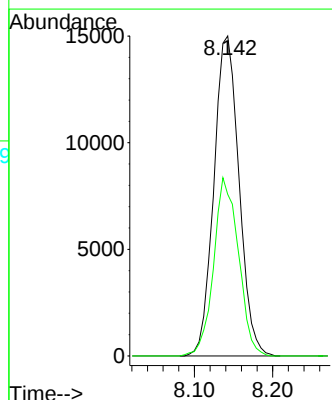
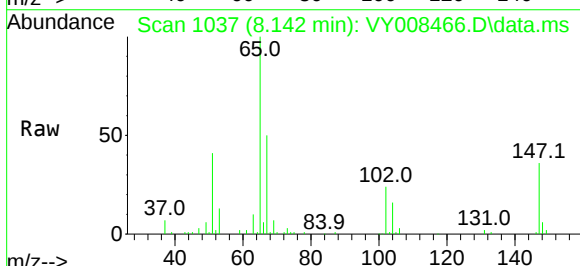
Acq: 22 Apr 2022 15:48

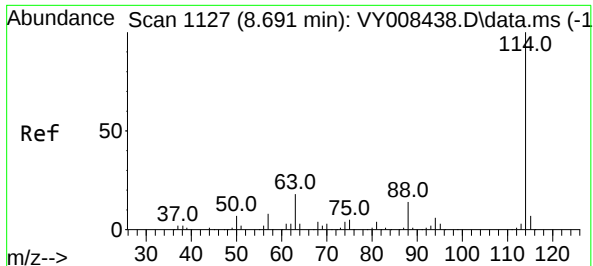
Tgt Ion: 65 Resp: 33489

Ion Ratio Lower Upper

65 100

67 54.8 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: VY008466.D

Acq: 22 Apr 2022 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

MH-5S

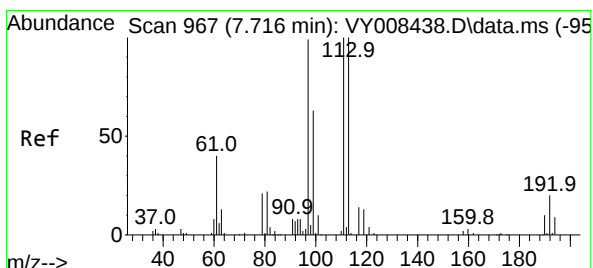
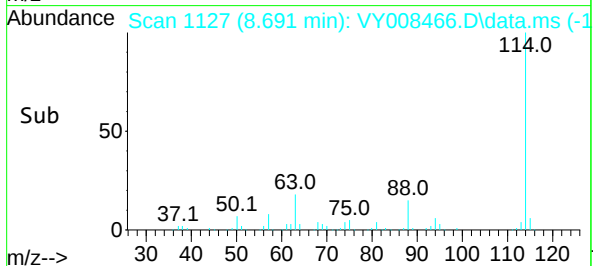
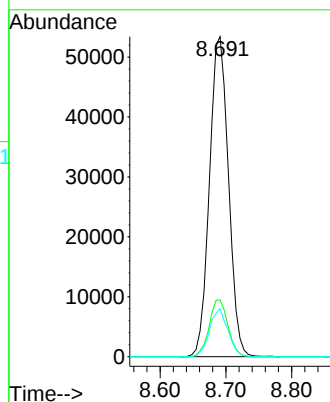
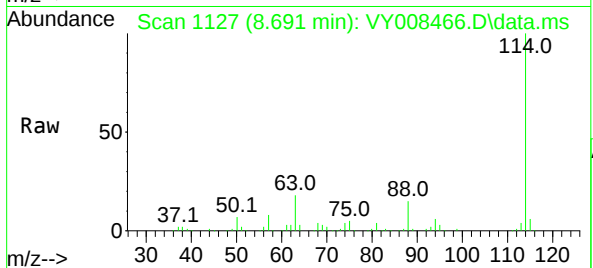
Tgt Ion:114 Resp: 107435

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.991 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY008466.D

Acq: 22 Apr 2022 15:48

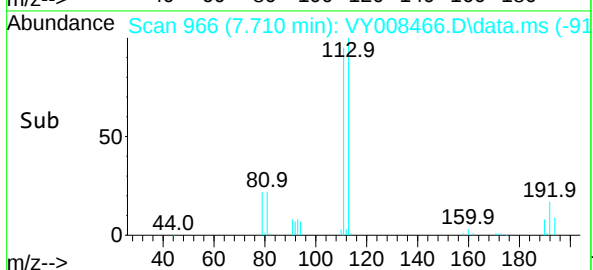
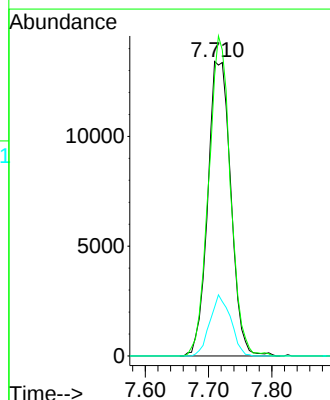
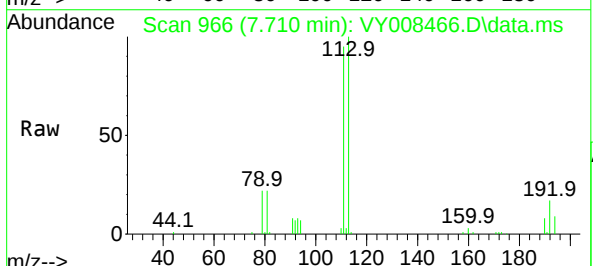
Tgt Ion:113 Resp: 33969

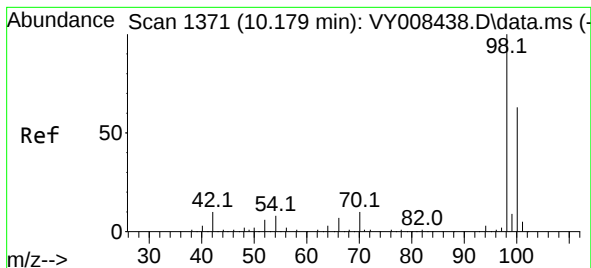
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.7 17.6 26.4

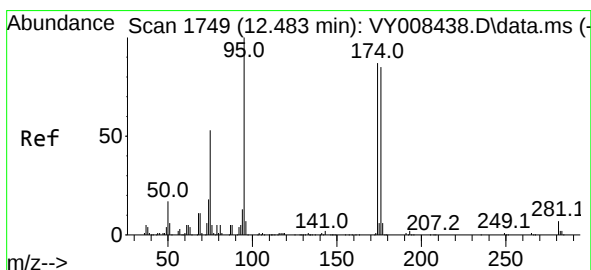
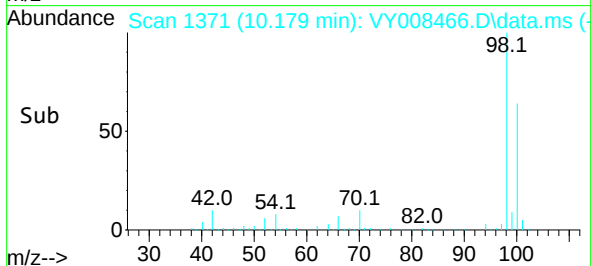
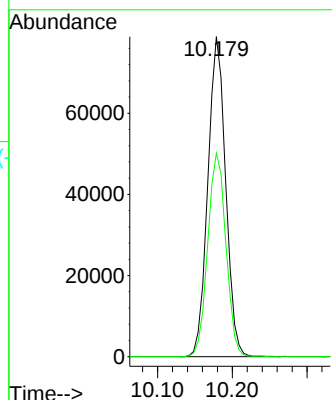
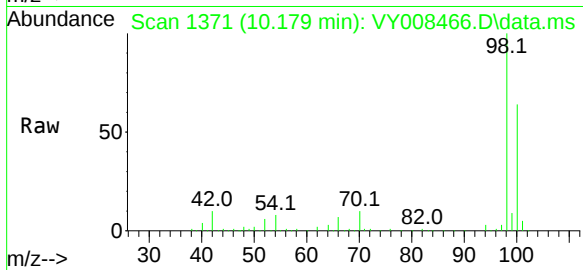




#50  
Toluene-d8  
Concen: 47.288 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008466.D  
Acq: 22 Apr 2022 15:48

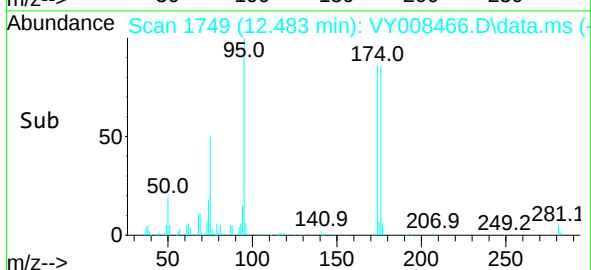
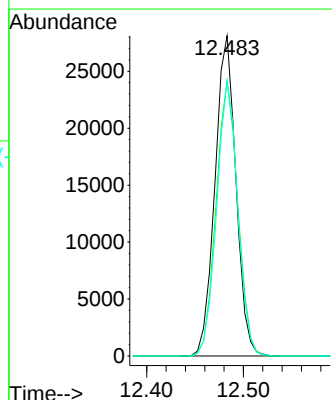
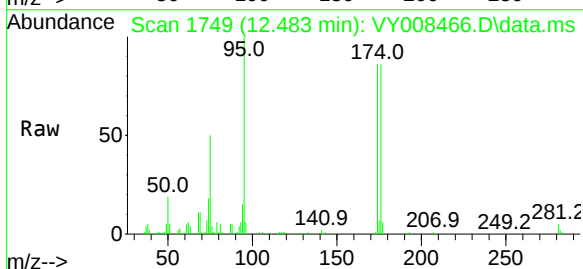
Instrument :  
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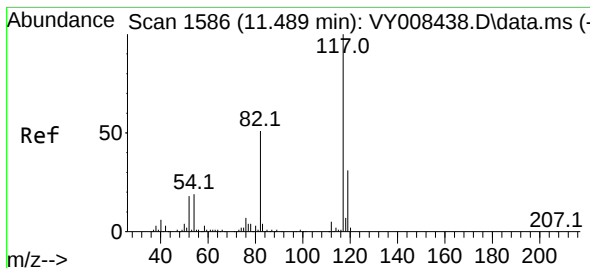
Tgt Ion: 98 Resp: 130325  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.336 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008466.D  
Acq: 22 Apr 2022 15:48

Tgt Ion: 95 Resp: 42328  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 177.0  
176 85.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008466.D

Acq: 22 Apr 2022 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

MH-5S

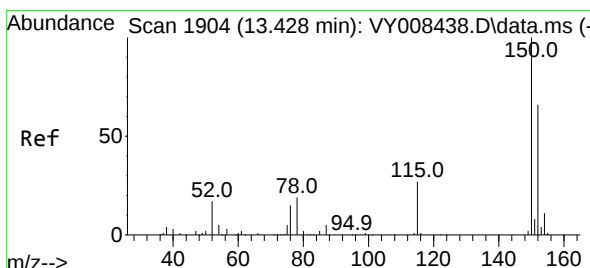
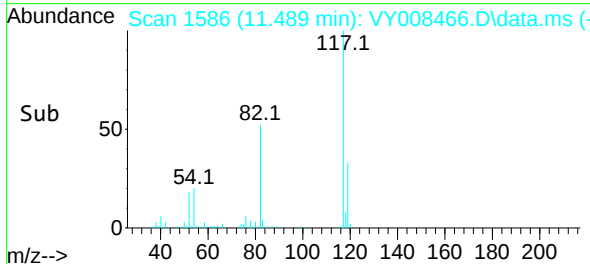
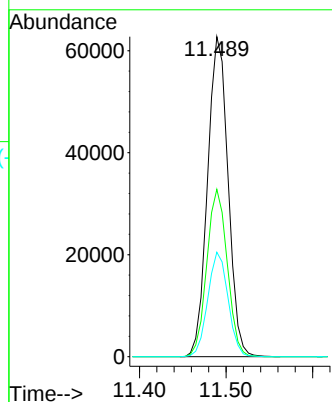
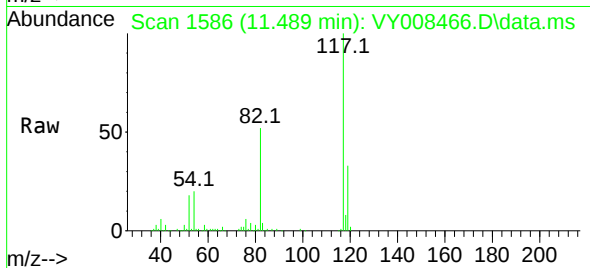
Tgt Ion:117 Resp: 103250

Ion Ratio Lower Upper

117 100

82 52.3 43.0 64.4

119 32.6 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: VY008466.D

Acq: 22 Apr 2022 15:48

Tgt Ion:152 Resp: 46099

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 158.8 0.0 347.6

