

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020422\  
 Data File : VY007391.D  
 Acq On : 04 Feb 2022 13:52  
 Operator : SY/MD  
 Sample : N1381-01RE  
 Misc : 5.91g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-05(20-22)-02-01-22RE

Quant Time: Feb 06 23:34:37 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

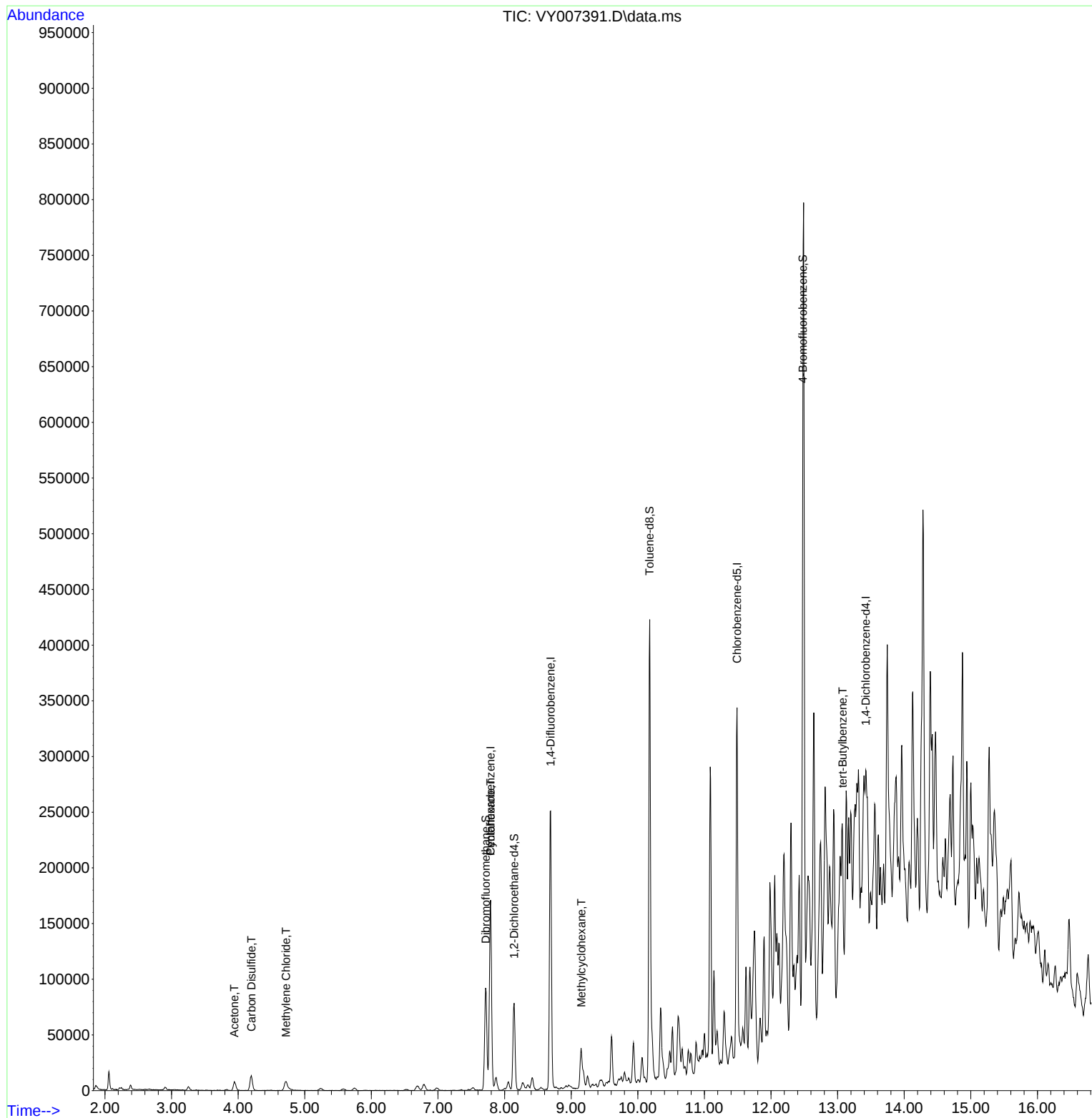
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 115700   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 211071   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 159083   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 35437    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 62361    | 46.86    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 93.72%   |
| 35) Dibromofluoromethane    | 7.716  | 113   | 65037    | 47.98    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 95.96%   |
| 50) Toluene-d8              | 10.179 | 98    | 245903   | 49.11    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 98.22%   |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 72772    | 42.76    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 85.52%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 13389    | 30.98    | ug/l   | 97       |
| 17) Carbon Disulfide        | 4.198  | 76    | 25953    | 6.14     | ug/l   | 97       |
| 20) Methylene Chloride      | 4.716  | 84    | 5453     | 1.67     | ug/l   | 92       |
| 31) Cyclohexane             | 7.789  | 56    | 8853     | 3.41     | ug/l # | 54       |
| 39) Methylcyclohexane       | 9.154  | 83    | 11859    | 3.99     | ug/l # | 56       |
| 83) tert-Butylbenzene       | 13.075 | 119   | 10587    | 4.60     | ug/l   | 87       |
| -----                       |        |       |          |          |        |          |

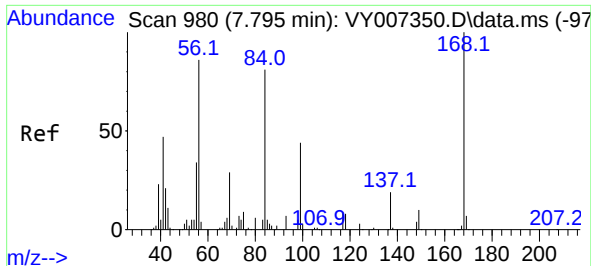
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020422\  
Data File : VY007391.D  
Acq On : 04 Feb 2022 13:52  
Operator : SY/MD  
Sample : N1381-01RE  
Misc : 5.91g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

Quant Time: Feb 06 23:34:37 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

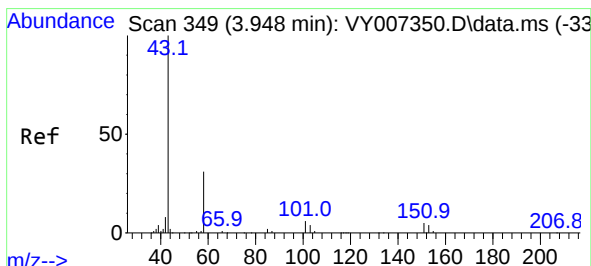
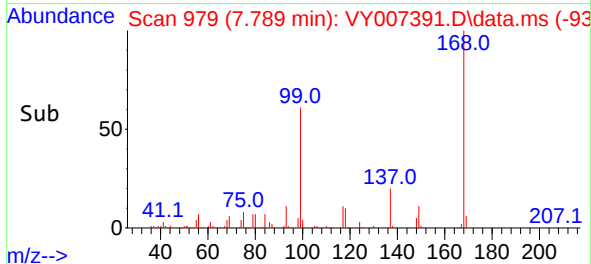
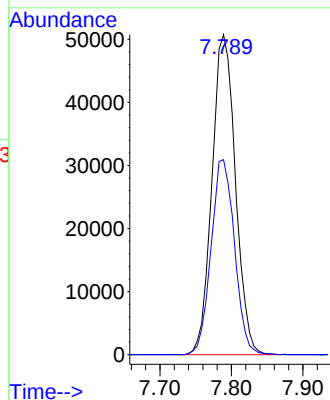
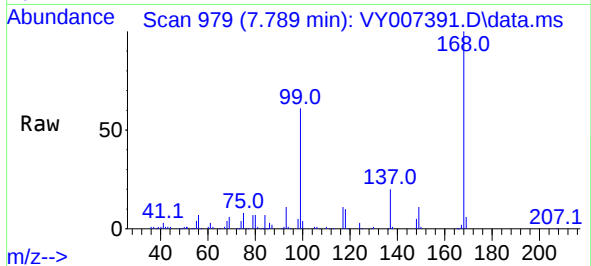




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

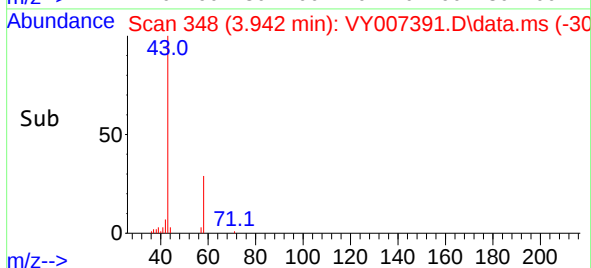
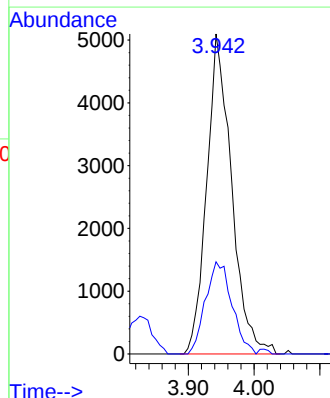
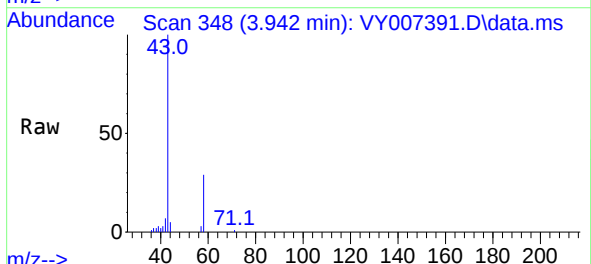
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

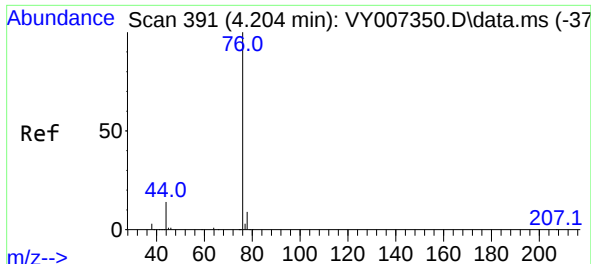
Tgt Ion:168 Resp: 115700  
Ion Ratio Lower Upper  
168 100  
99 60.9 46.9 70.3



#16  
Acetone  
Concen: 30.98 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Tgt Ion: 43 Resp: 13389  
Ion Ratio Lower Upper  
43 100  
58 28.8 22.0 33.0

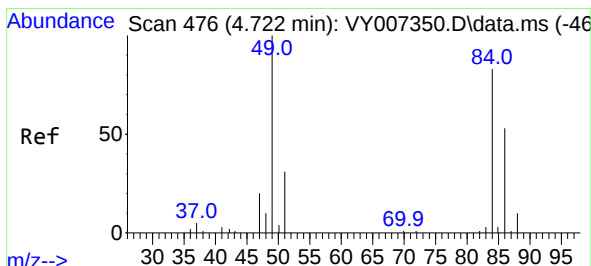
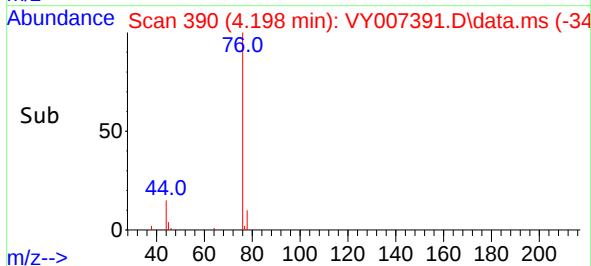
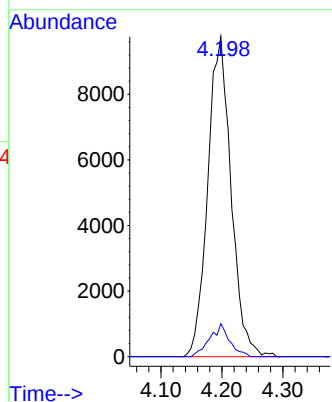
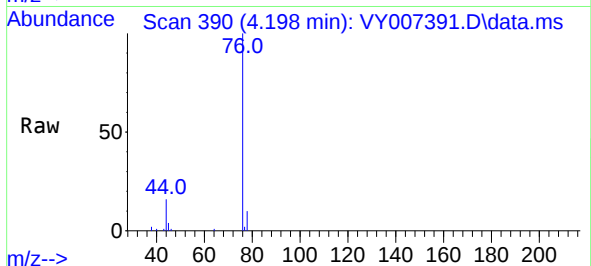




#17  
Carbon Disulfide  
Concen: 6.14 ug/l  
RT: 4.198 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

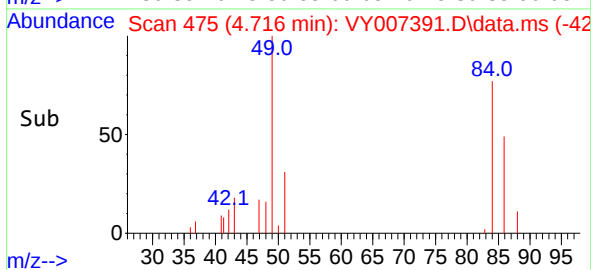
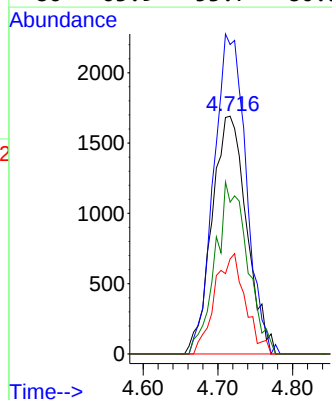
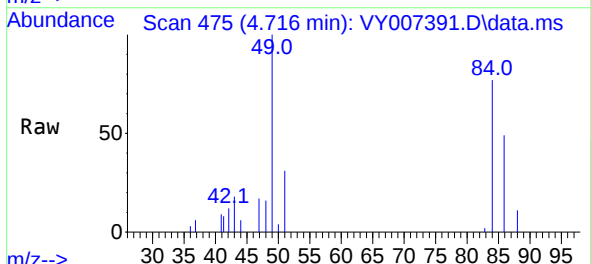
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

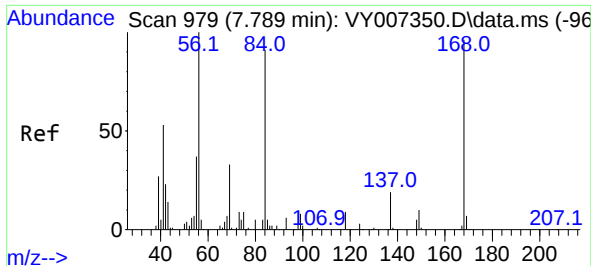
Tgt Ion: 76 Resp: 25953  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0



#20  
Methylene Chloride  
Concen: 1.67 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

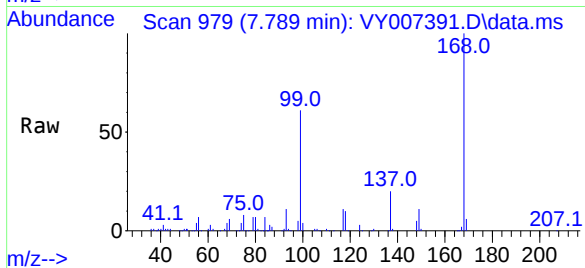
Tgt Ion: 84 Resp: 5453  
Ion Ratio Lower Upper  
84 100  
49 130.2 114.4 171.6  
51 40.0 35.3 52.9  
86 63.9 53.7 80.5



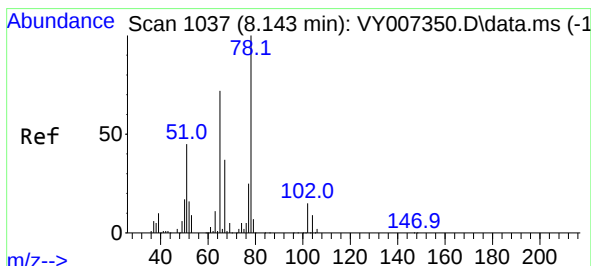
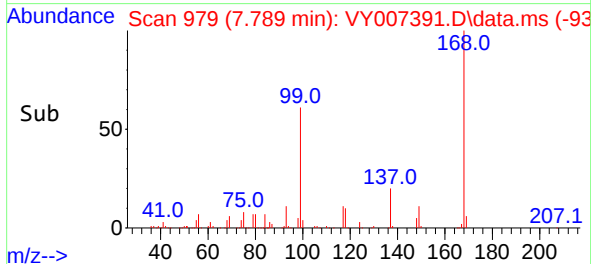
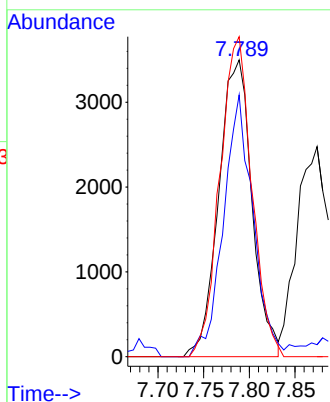


#31  
Cyclohexane  
Concen: 3.41 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

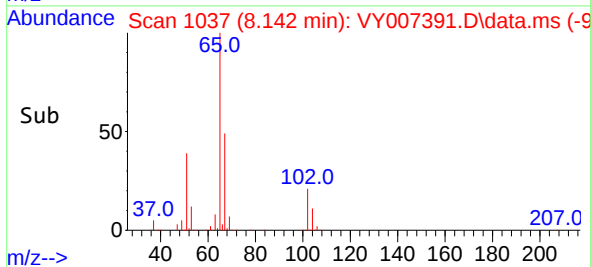
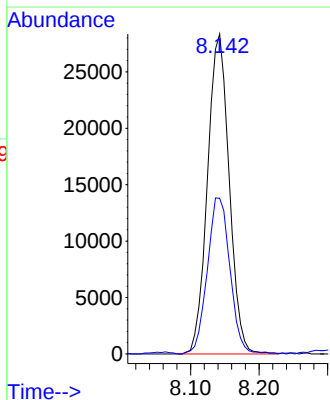
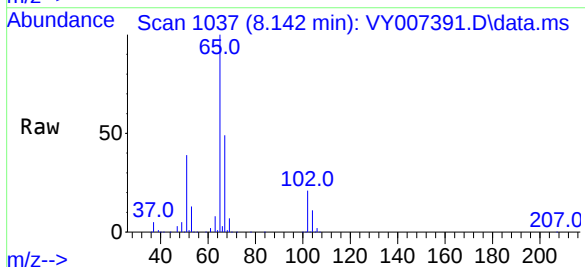


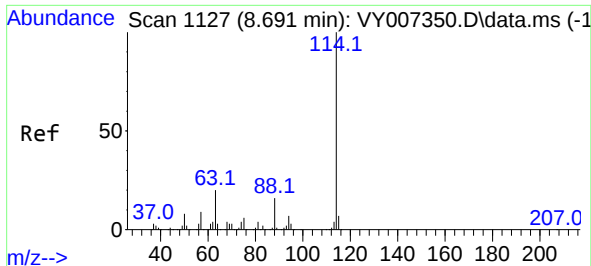
Tgt Ion: 56 Resp: 8853  
Ion Ratio Lower Upper  
56 100  
69 88.2 26.7 40.1#  
84 107.8 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 46.86 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Tgt Ion: 65 Resp: 62361  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.691 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

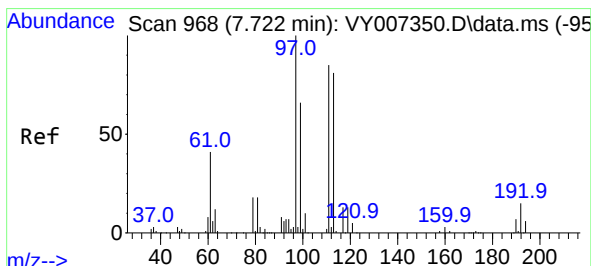
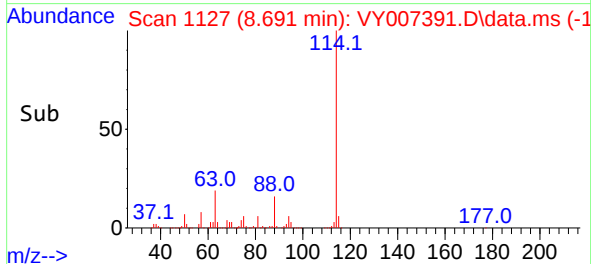
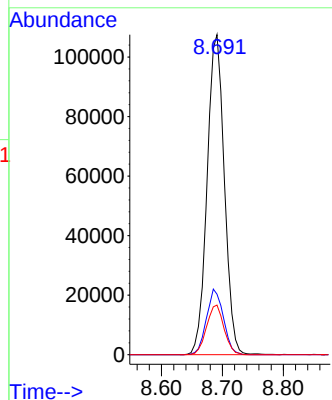
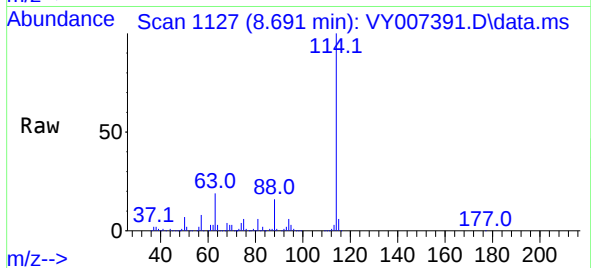
Tgt Ion:114 Resp: 211071

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.98 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

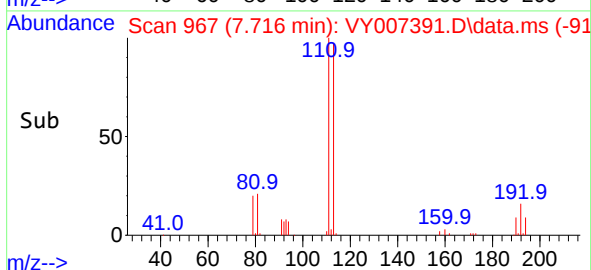
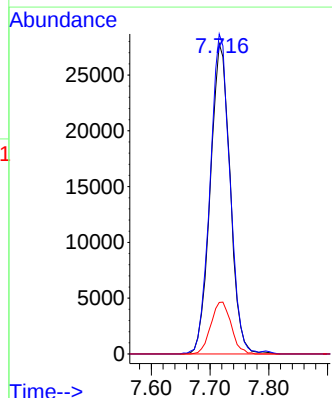
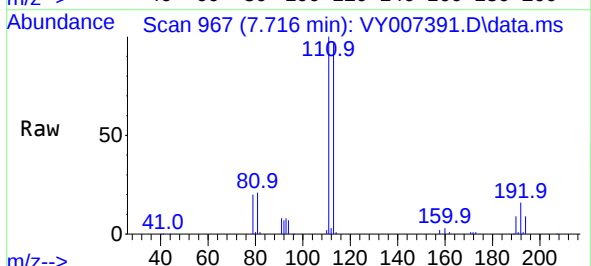
Tgt Ion:113 Resp: 65037

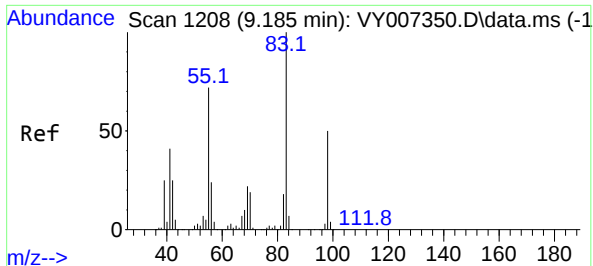
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 17.2 17.6 26.4#





#39

Methylcyclohexane

Concen: 3.99 ug/l

RT: 9.154 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY007391.D

Acq: 04 Feb 2022 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

DB-05(20-22)-02-01-22RE

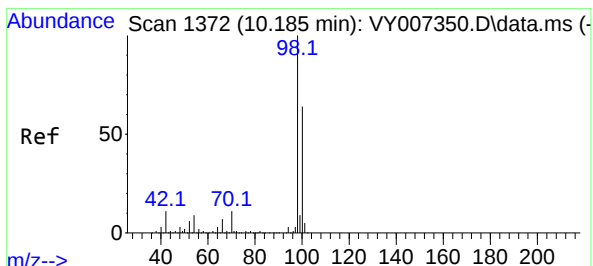
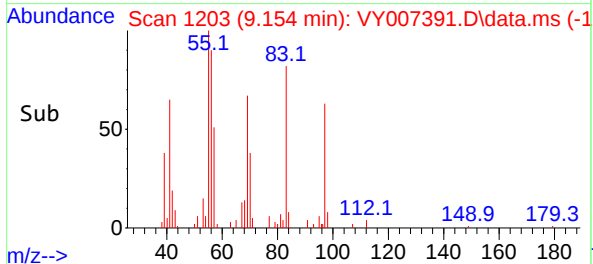
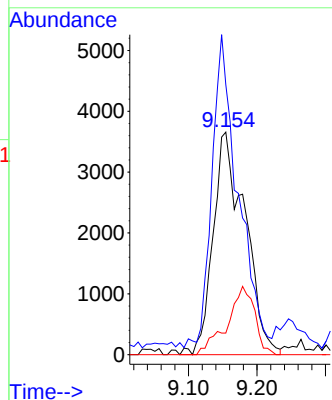
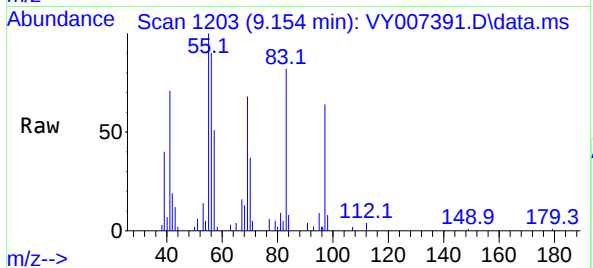
Tgt Ion: 83 Resp: 11859

Ion Ratio Lower Upper

83 100

55 115.9 66.5 99.7#

98 9.7 37.9 56.9#



#50

Toluene-d8

Concen: 49.11 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY007391.D

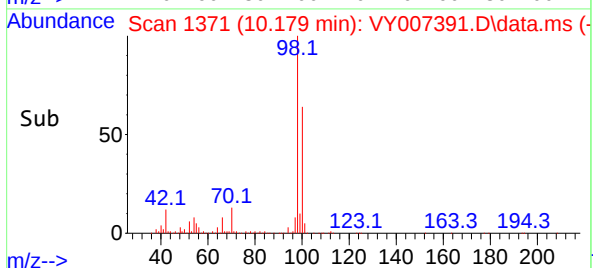
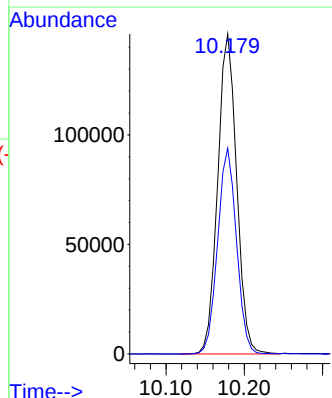
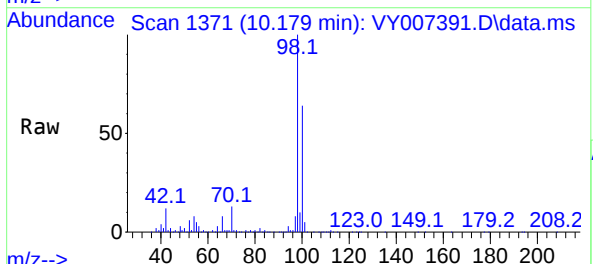
Acq: 04 Feb 2022 13:52

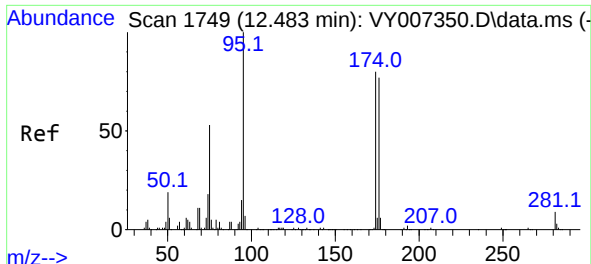
Tgt Ion: 98 Resp: 245903

Ion Ratio Lower Upper

98 100

100 63.8 50.2 75.2

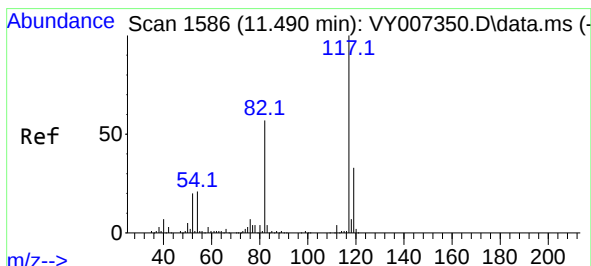
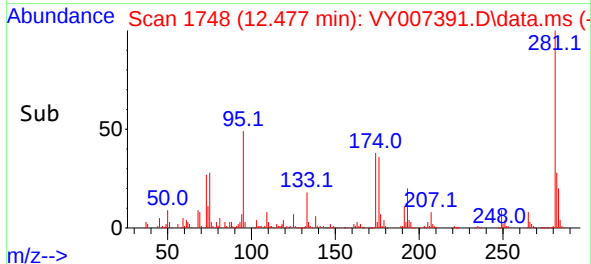
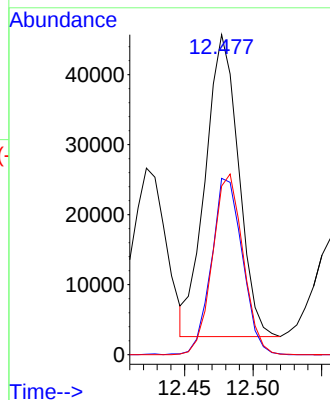
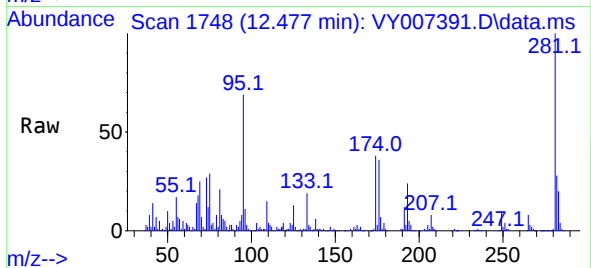




#62  
4-Bromofluorobenzene  
Concen: 42.76 ug/l  
RT: 12.477 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

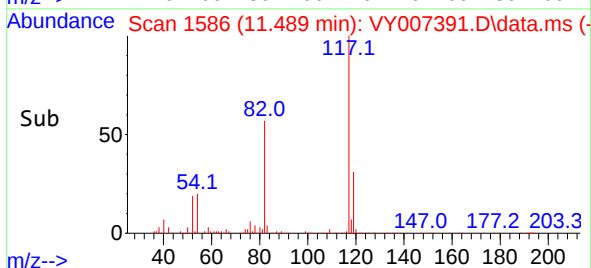
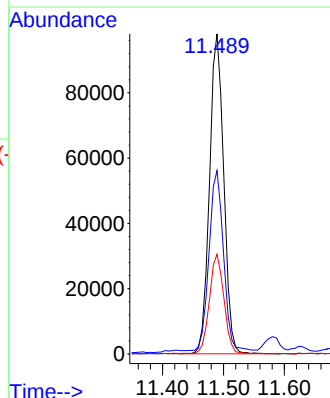
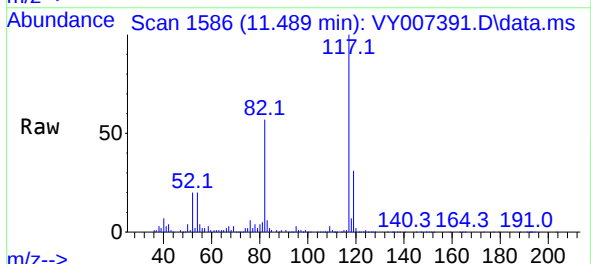
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

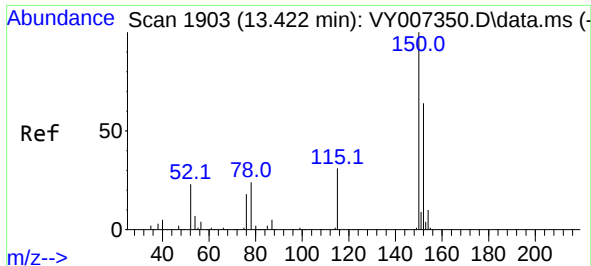
Tgt Ion: 95 Resp: 72772  
Ion Ratio Lower Upper  
95 100  
174 54.4 0.0 177.0  
176 55.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Tgt Ion: 117 Resp: 159083  
Ion Ratio Lower Upper  
117 100  
82 56.3 43.0 64.4  
119 31.0 25.4 38.0

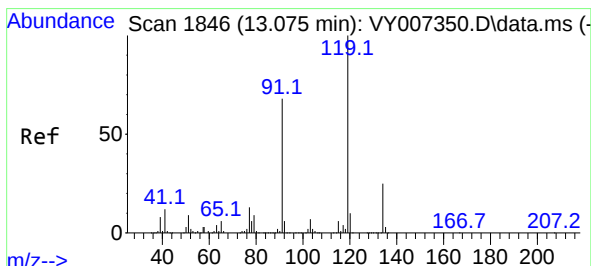
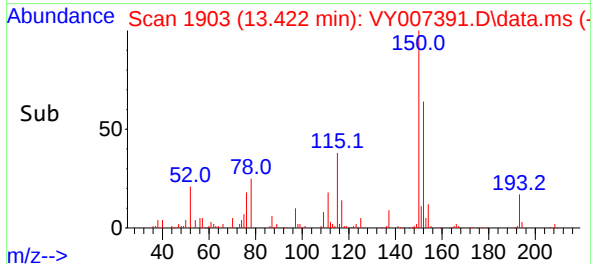
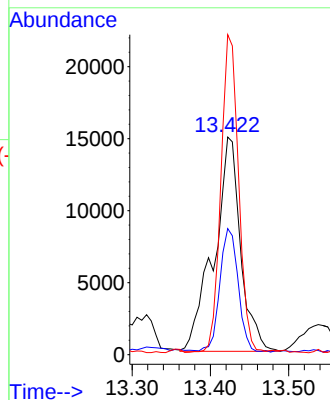
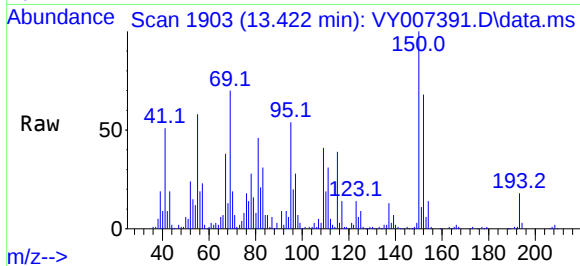




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-05(20-22)-02-01-22RE

Tgt Ion:152 Resp: 35437  
Ion Ratio Lower Upper  
152 100  
115 38.8 28.2 84.7  
150 97.6 0.0 347.6



#83  
tert-Butylbenzene  
Concen: 4.60 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY007391.D  
Acq: 04 Feb 2022 13:52

Tgt Ion:119 Resp: 10587  
Ion Ratio Lower Upper  
119 100  
91 83.5 34.8 104.4  
134 27.9 13.3 39.9

