

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111124\  
 Data File : VY020249.D  
 Acq On : 11 Nov 2024 15:35  
 Operator : SY/MD  
 Sample : P4768-07  
 Misc : 5.30g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-6-3

Quant Time: Nov 11 23:17:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

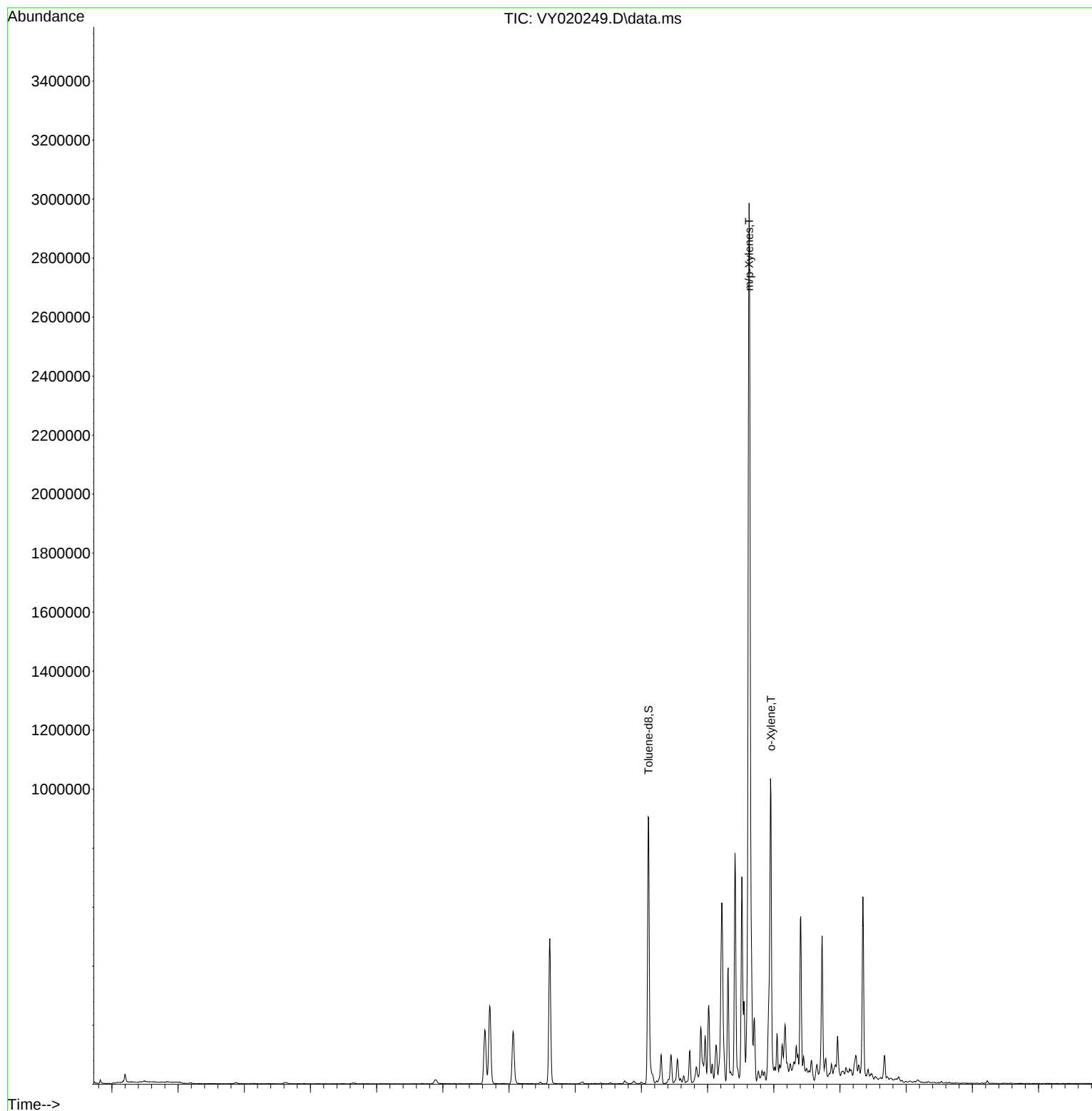
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 182405   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 389693   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 371704   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 131499   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 138450   | 60.816   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 121.640% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 129480   | 52.259   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.520% |          |
| 50) Toluene-d8              | 10.109 | 98    | 498571   | 50.553   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.100% |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 162690   | 50.787   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 101.580% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.873  | 43    | 7159     | 13.522   | ug/l       | # 80     |
| 52) Toluene                 | 10.170 | 92    | 10572    | 1.535    | ug/l       | 92       |
| 67) Ethyl Benzene           | 11.518 | 91    | 439351   | 29.675   | ug/l       | 100      |
| 68) m/p-Xylenes             | 11.627 | 106   | 720033   | 132.927  | ug/l       | 90       |
| 69) o-Xylene                | 11.956 | 106   | 230095   | 44.867   | ug/l       | 92       |
| -----                       |        |       |          |          |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111124\  
Data File : VY020249.D  
Acq On : 11 Nov 2024 15:35  
Operator : SY/MD  
Sample : P4768-07  
Misc : 5.30g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-6-3

Quant Time: Nov 11 23:17:11 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

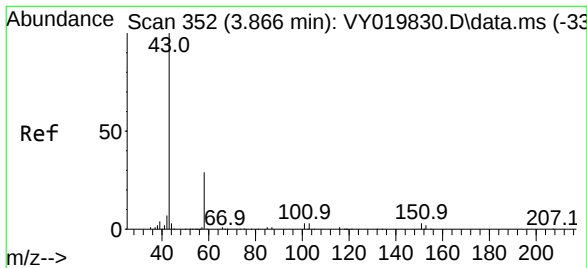
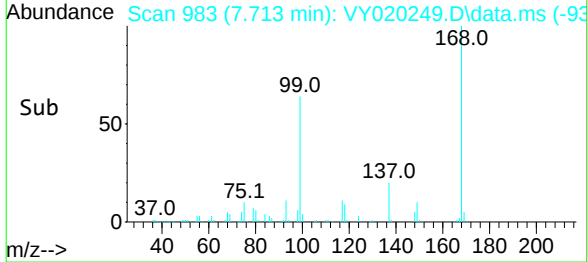
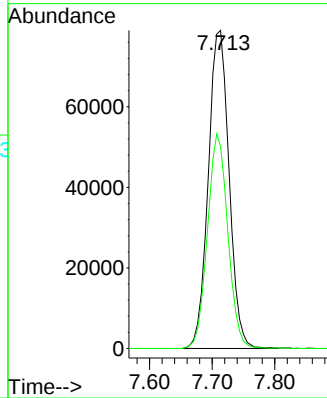
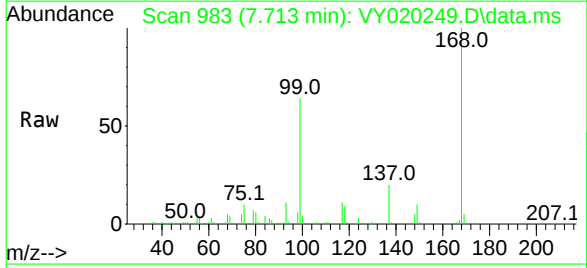




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

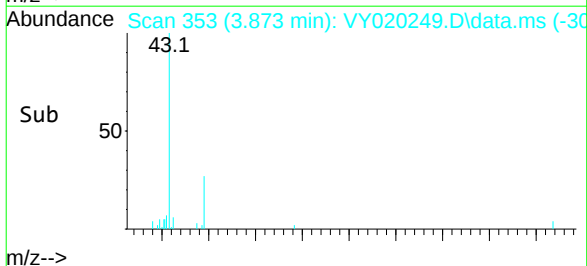
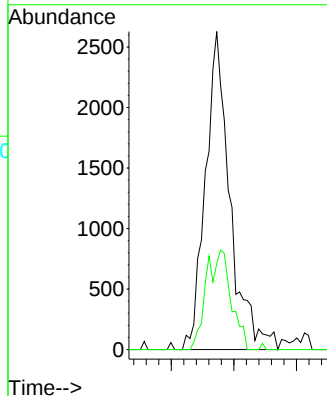
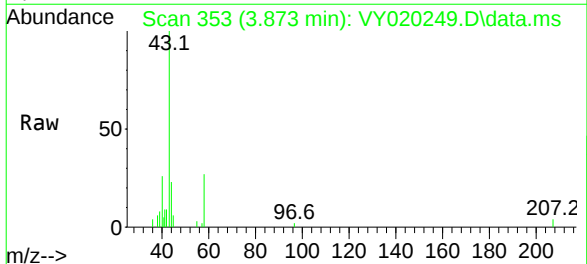
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-6-3

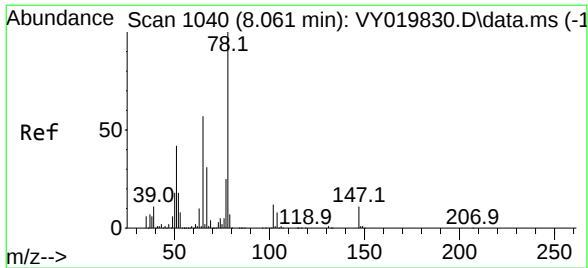
Tgt Ion:168 Resp: 182405  
Ion Ratio Lower Upper  
168 100  
99 63.6 39.1 58.7#



#16  
Acetone  
Concen: 13.522 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

Tgt Ion: 43 Resp: 7159  
Ion Ratio Lower Upper  
43 100  
58 27.0 31.7 47.5#

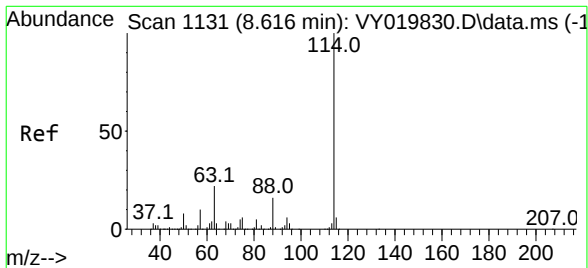
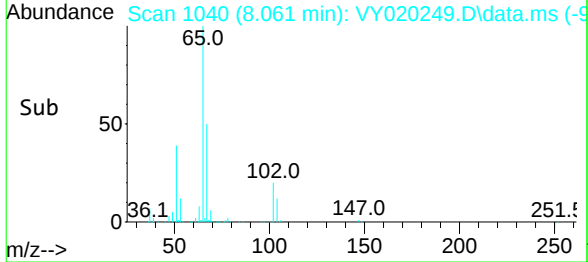
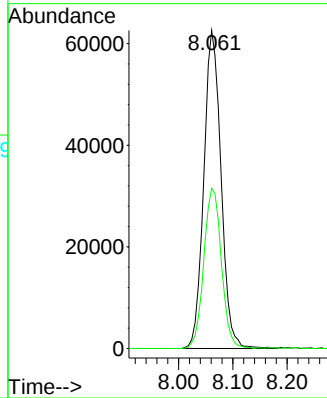
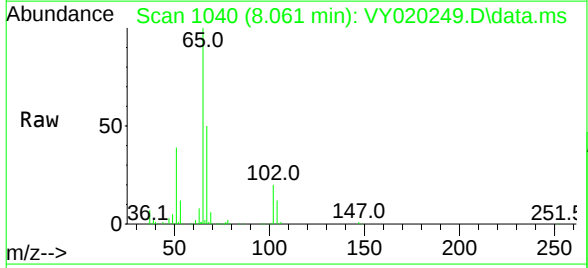




#33  
1,2-Dichloroethane-d4  
Concen: 60.816 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

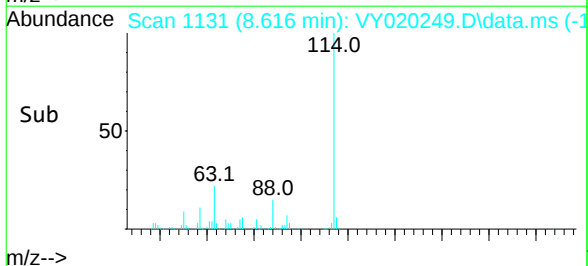
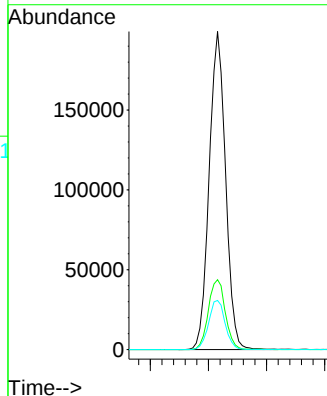
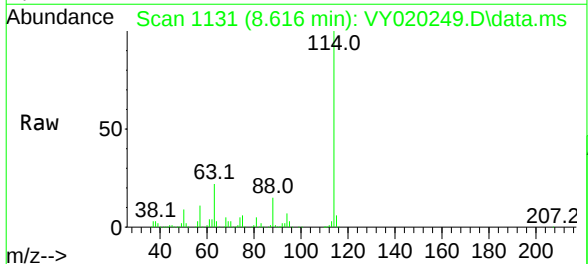
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-6-3

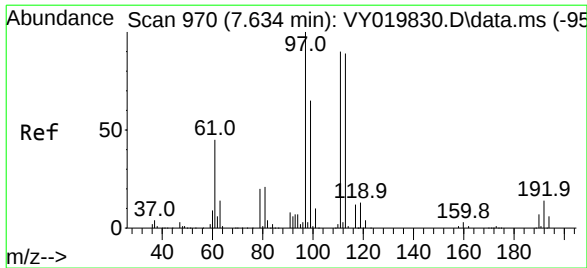
Tgt Ion: 65 Resp: 138450  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

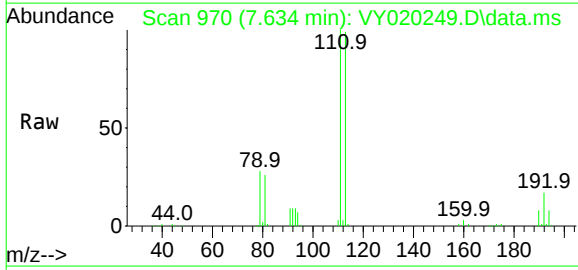
Tgt Ion: 114 Resp: 389693  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 35.0  
88 15.4 0.0 27.2



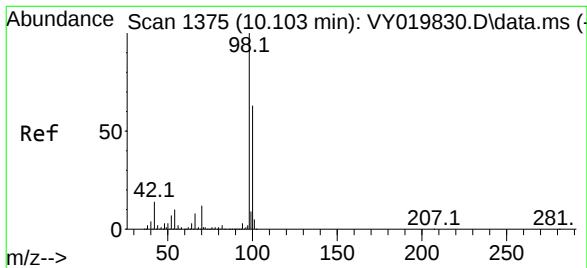
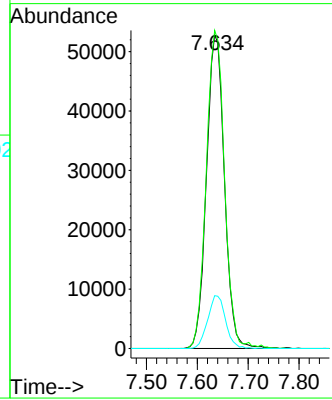
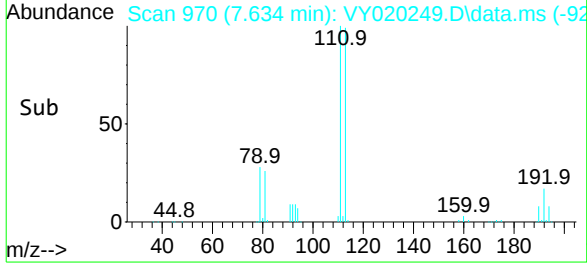


#35  
Dibromofluoromethane  
Concen: 52.259 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-6-3

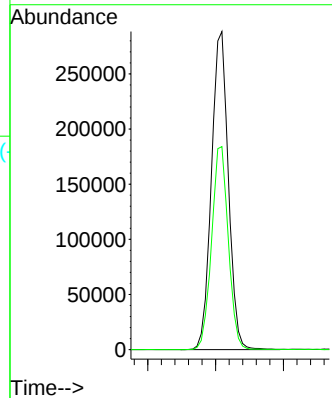
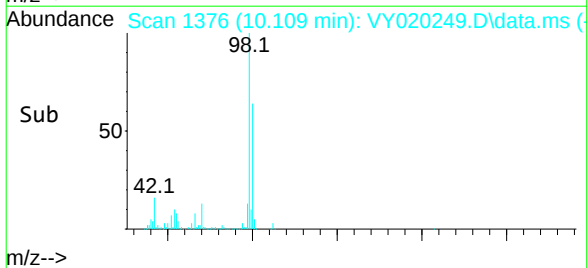
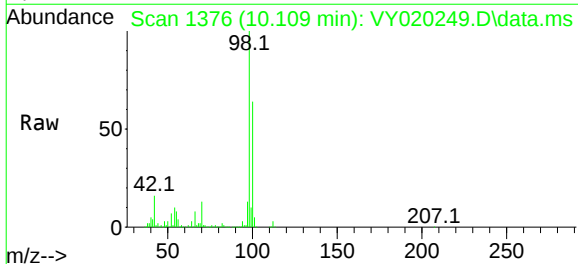


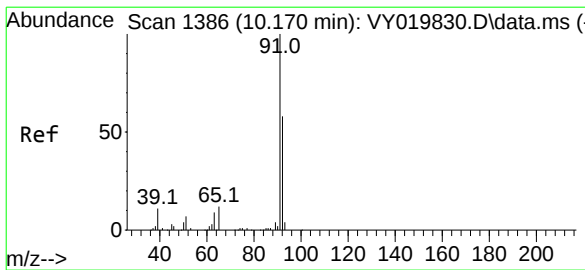
Tgt Ion: 113 Resp: 129480  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.2 123.4  
192 16.8 15.9 23.9



#50  
Toluene-d8  
Concen: 50.553 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY020249.D  
Acq: 11 Nov 2024 15:35

Tgt Ion: 98 Resp: 498571  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.0 78.0





#52

Toluene

Concen: 1.535 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

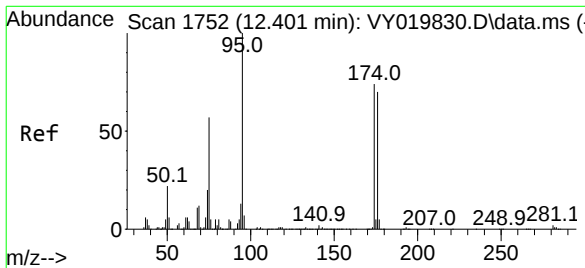
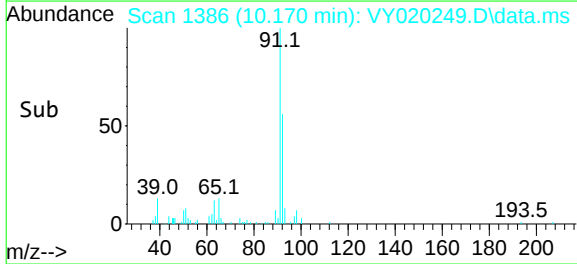
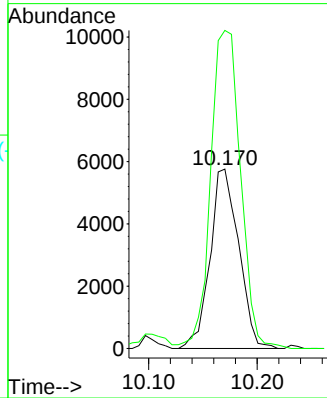
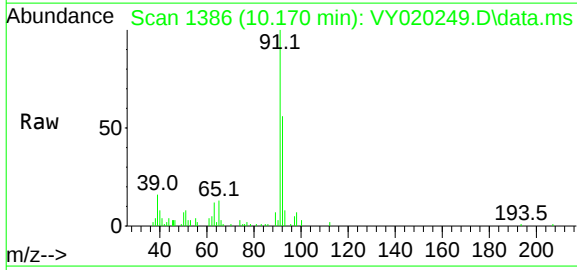
B-6-3

Tgt Ion: 92 Resp: 10572

Ion Ratio Lower Upper

92 100

91 184.3 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 50.787 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

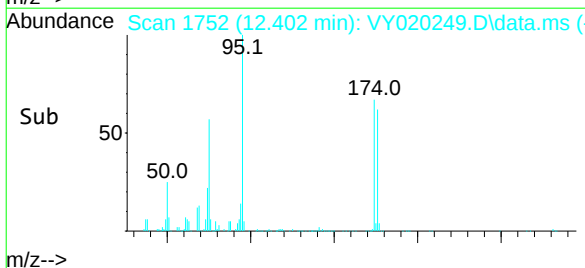
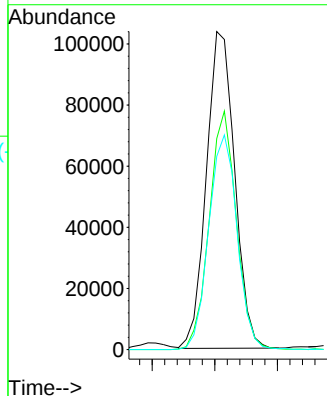
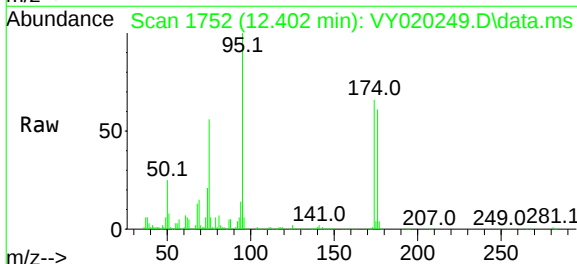
Tgt Ion: 95 Resp: 162690

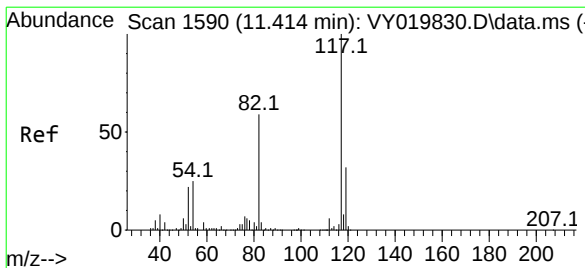
Ion Ratio Lower Upper

95 100

174 72.2 0.0 175.6

176 68.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

B-6-3

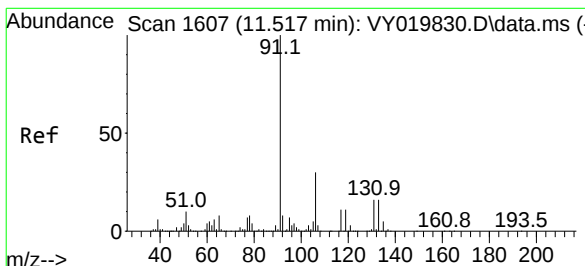
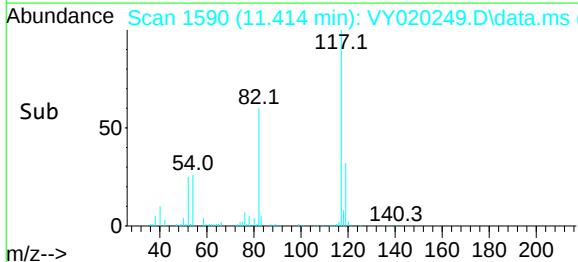
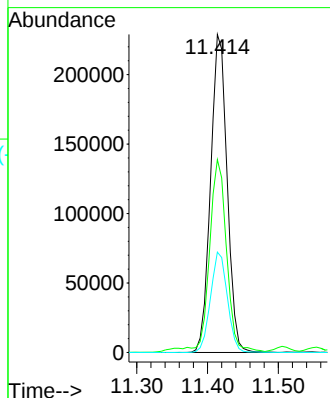
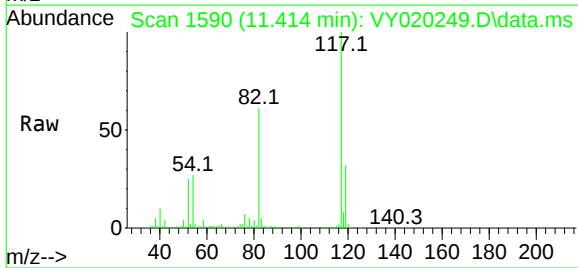
Tgt Ion:117 Resp: 371704

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.5 25.9 38.9



#67

Ethyl Benzene

Concen: 29.675 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020249.D

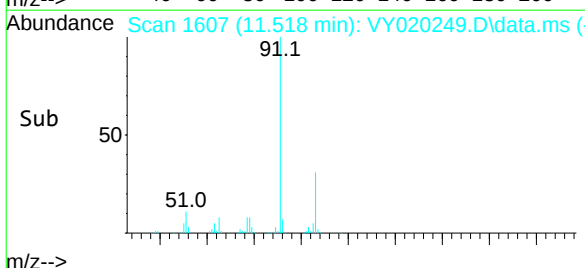
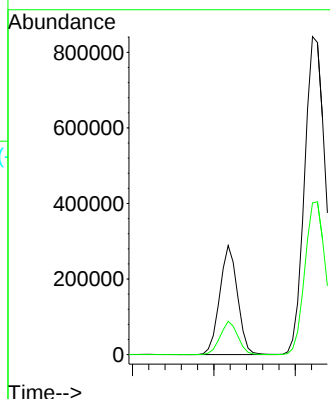
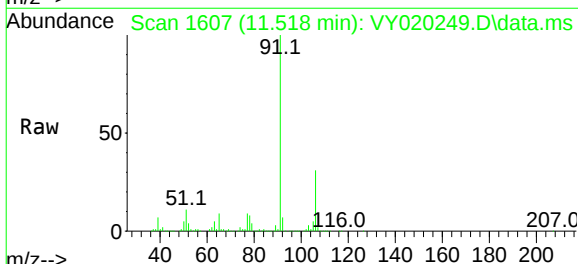
Acq: 11 Nov 2024 15:35

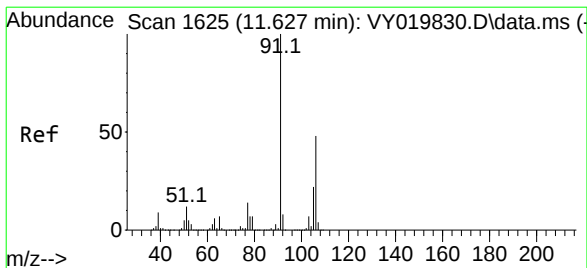
Tgt Ion: 91 Resp: 439351

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7





#68

m/p-Xylenes

Concen: 132.927 ug/l

RT: 11.627 min Scan# 16

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

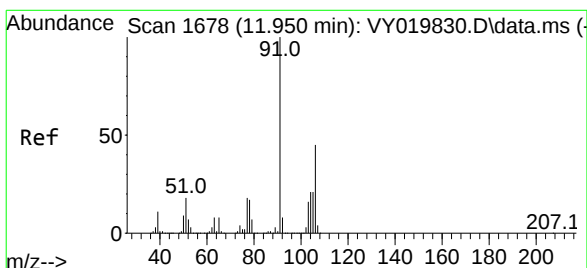
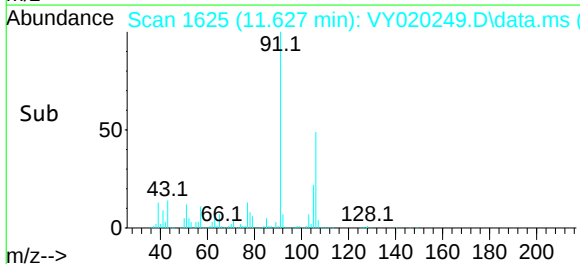
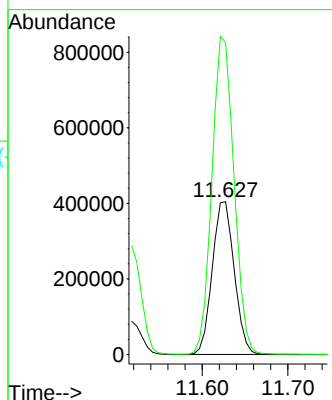
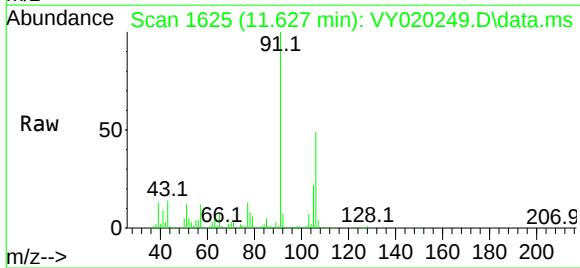
B-6-3

Tgt Ion:106 Resp: 720033

Ion Ratio Lower Upper

106 100

91 209.3 156.0 234.0



#69

o-Xylene

Concen: 44.867 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020249.D

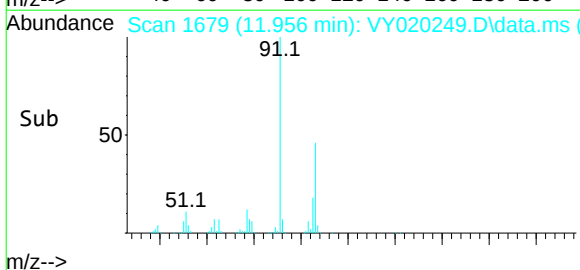
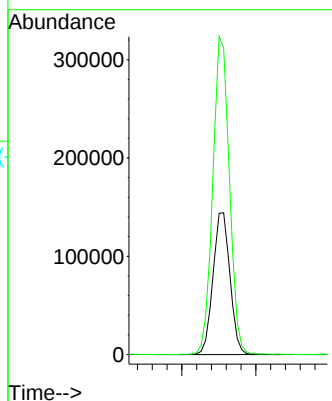
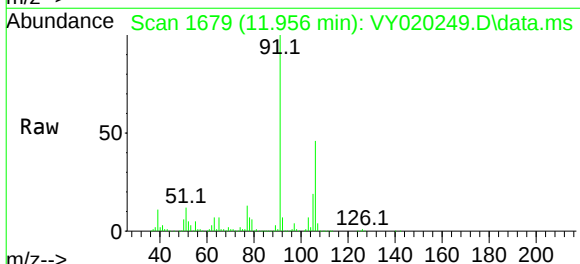
Acq: 11 Nov 2024 15:35

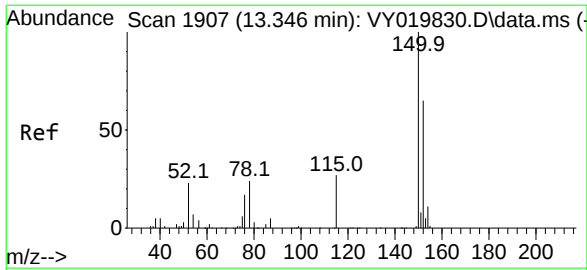
Tgt Ion:106 Resp: 230095

Ion Ratio Lower Upper

106 100

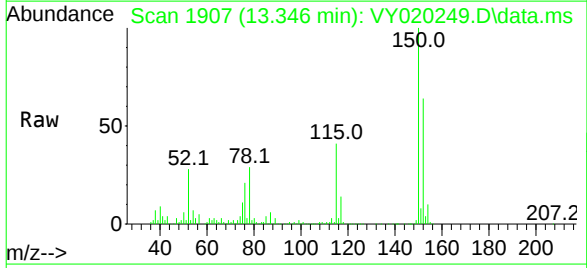
91 220.0 103.6 310.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: VY020249.D  
 Acq: 11 Nov 2024 15:35

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-6-3



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 131499 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 63.1  | 28.2  | 84.7   |
| 150      | 156.3 | 0.0   | 345.6  |

