

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020723\  
 Data File : VY012515.D  
 Acq On : 07 Feb 2023 12:35  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Feb 07 22:05:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 07 22:02:28 2023  
 Response via : Initial Calibration

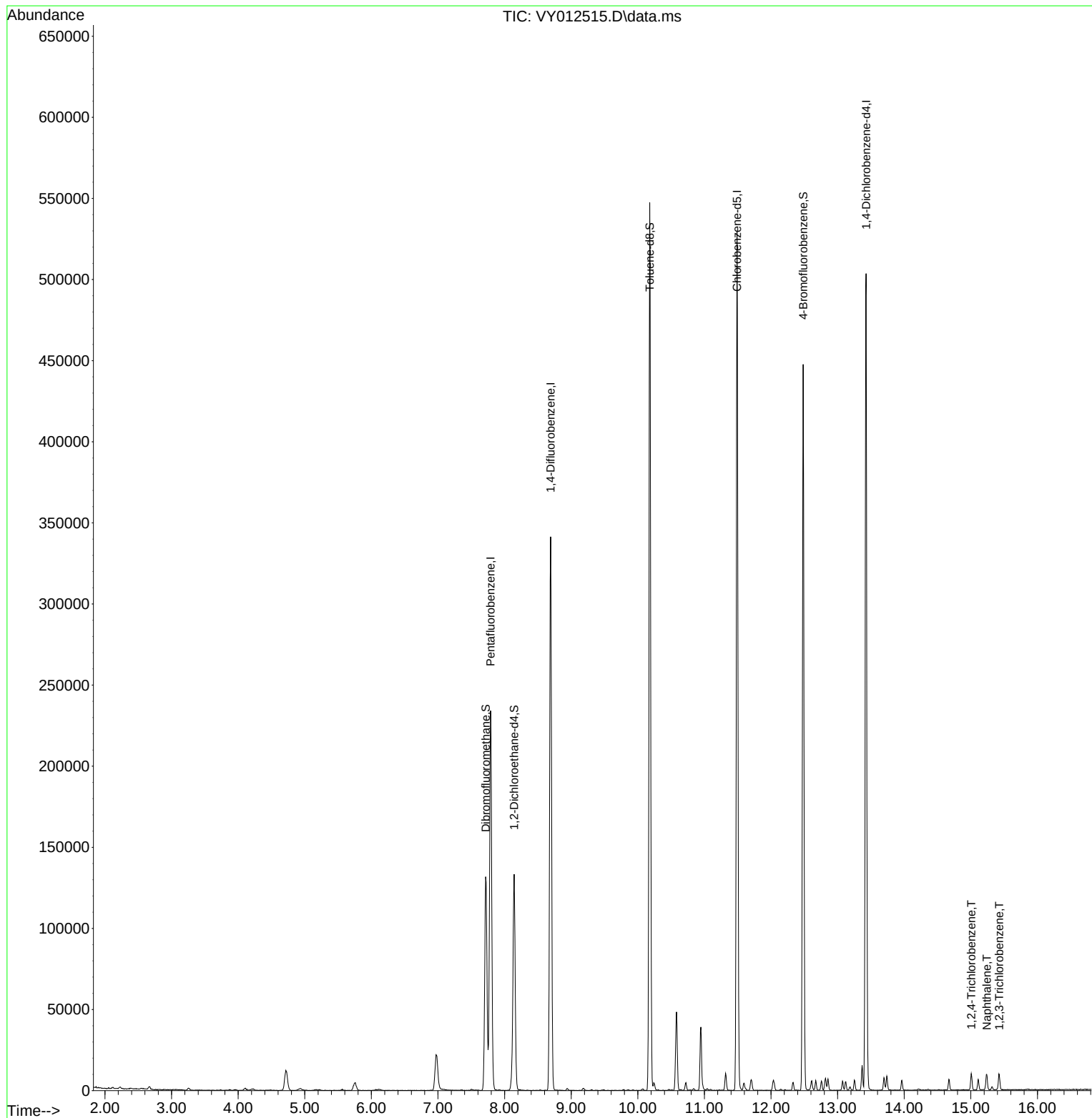
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 186833   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 311068   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 297518   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 137957   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 105291   | 44.318   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 88.640%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 92299    | 40.743   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 81.480%  |
| 50) Toluene-d8              | 10.179 | 98    | 365973   | 38.813   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 77.620%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 122565   | 37.266   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 74.540%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 93) 1,2,4-Trichlorobenzene  | 15.007 | 180   | 3745     | 1.248    | ug/l   | 95       |
| 95) Naphthalene             | 15.239 | 128   | 9365     | 1.626    | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene  | 15.428 | 180   | 3691     | 1.421    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

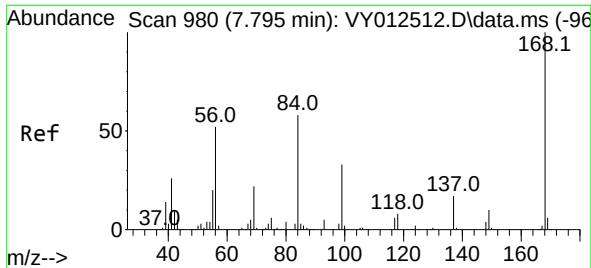
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 07 22:02:28 2023  
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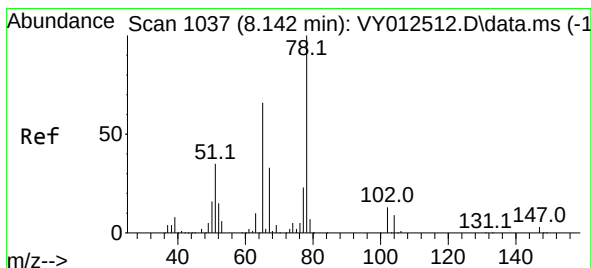
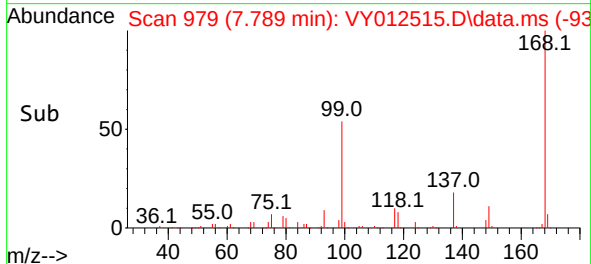
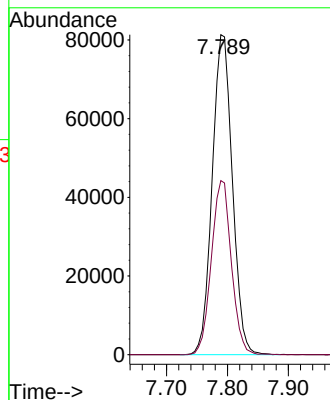
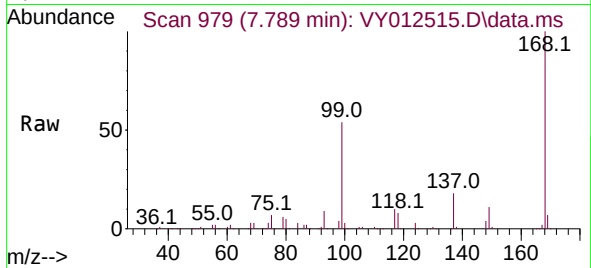




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012515.D  
Acq: 07 Feb 2023 12:35

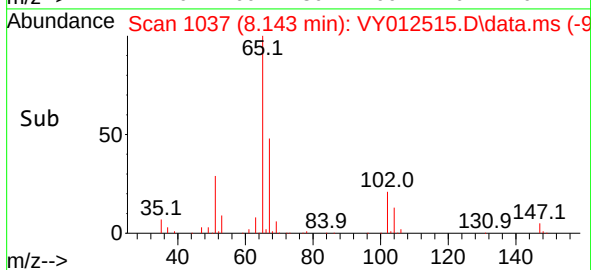
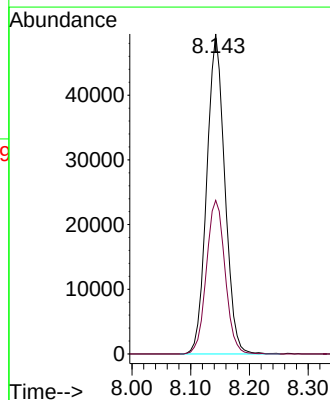
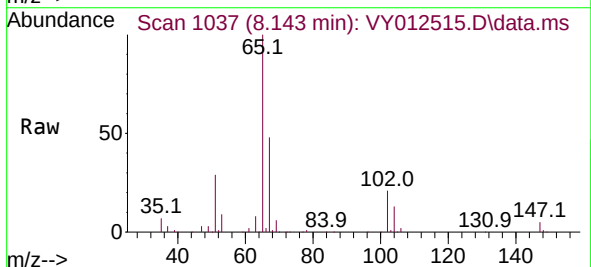
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

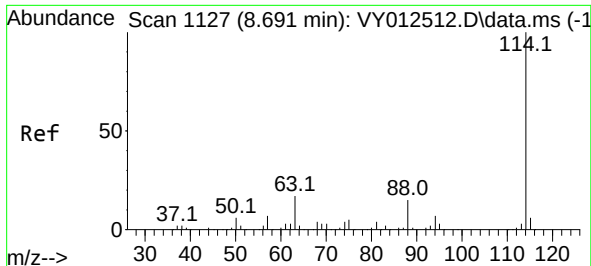
Tgt Ion:168 Resp: 186833  
Ion Ratio Lower Upper  
168 100  
99 54.4 40.8 61.2



#33  
1,2-Dichloroethane-d4  
Concen: 44.318 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY012515.D  
Acq: 07 Feb 2023 12:35

Tgt Ion: 65 Resp: 105291  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

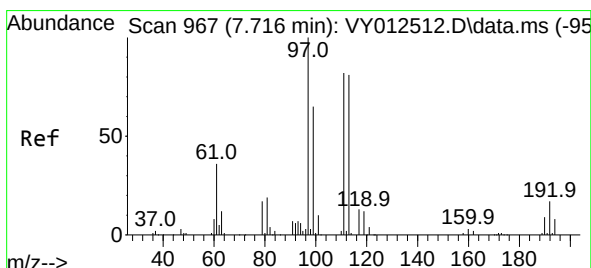
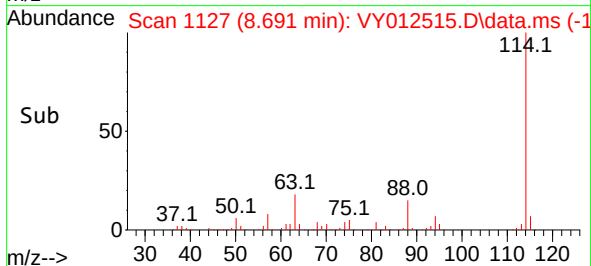
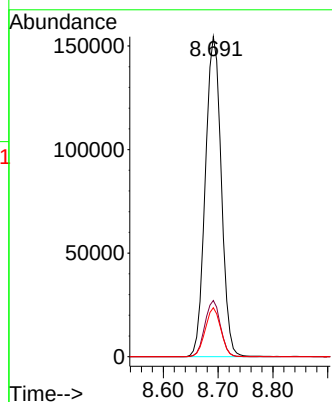
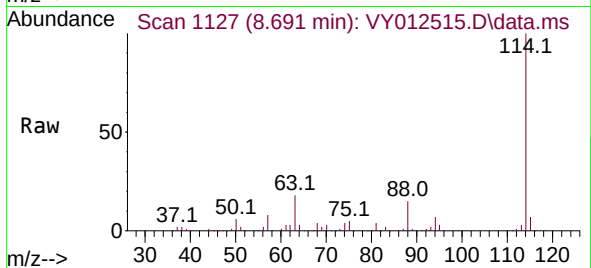
Tgt Ion:114 Resp: 311068

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.6

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.743 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

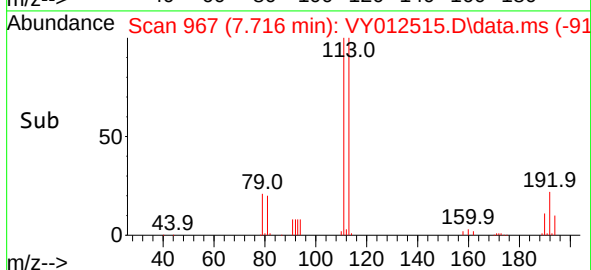
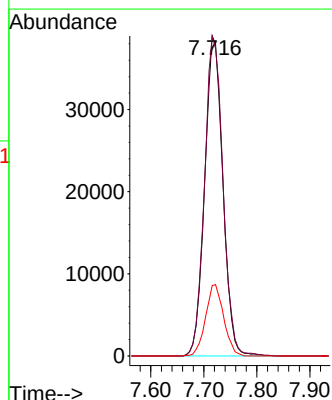
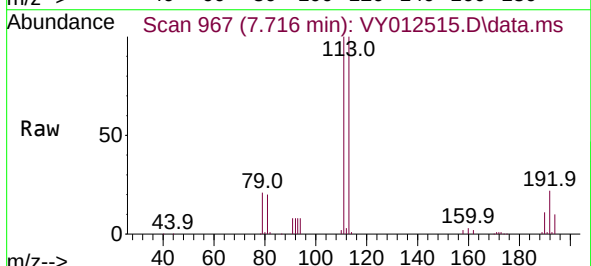
Tgt Ion:113 Resp: 92299

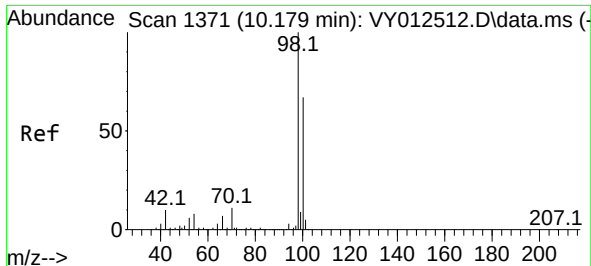
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 22.3 17.5 26.3

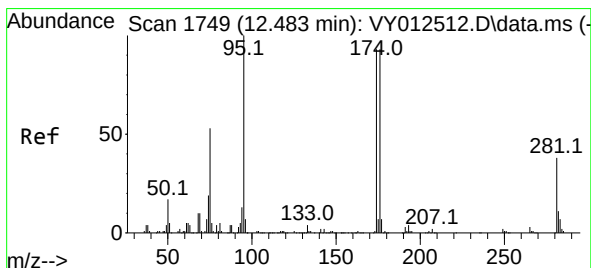
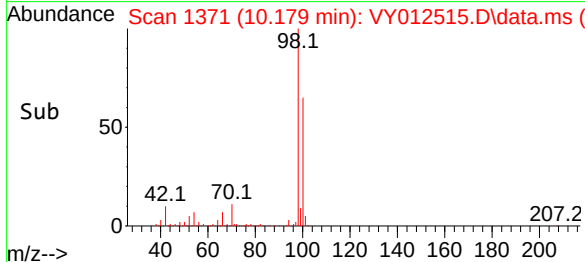
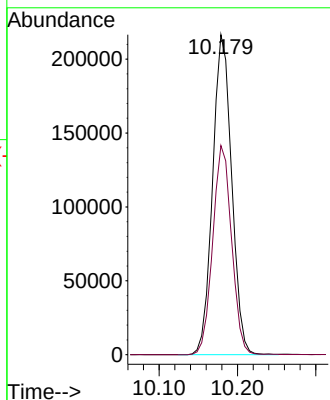
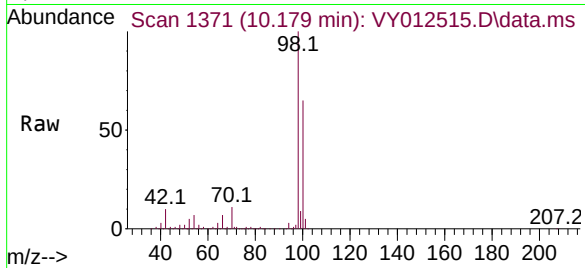




#50  
Toluene-d8  
Concen: 38.813 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012515.D  
Acq: 07 Feb 2023 12:35

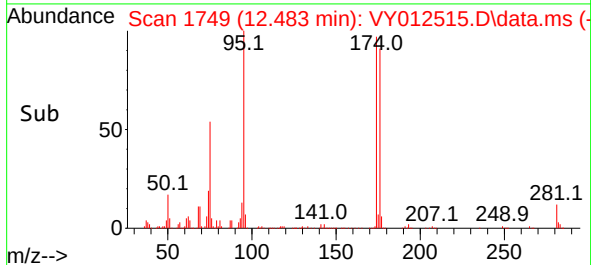
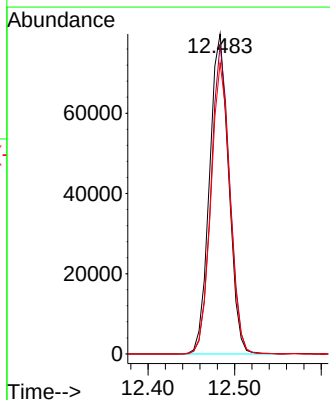
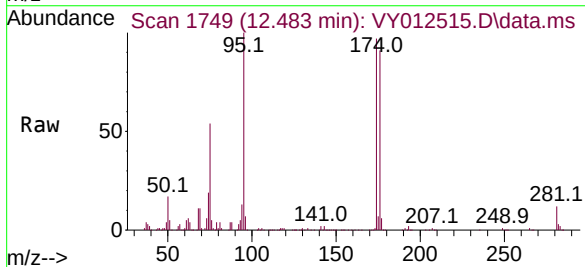
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

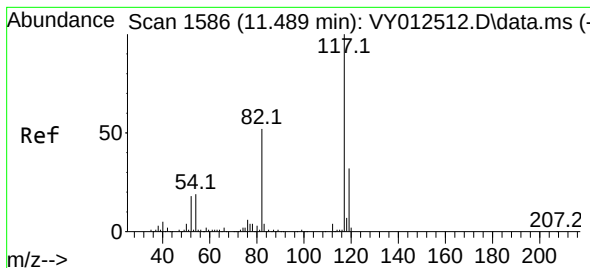
Tgt Ion: 98 Resp: 365973  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 37.266 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012515.D  
Acq: 07 Feb 2023 12:35

Tgt Ion: 95 Resp: 122565  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 188.0  
176 90.4 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

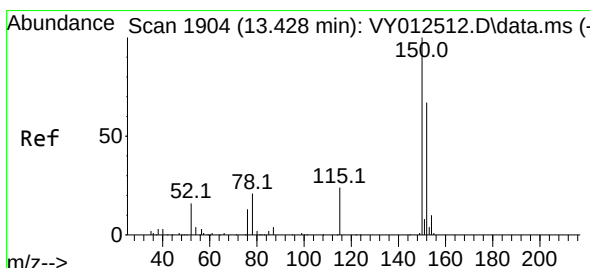
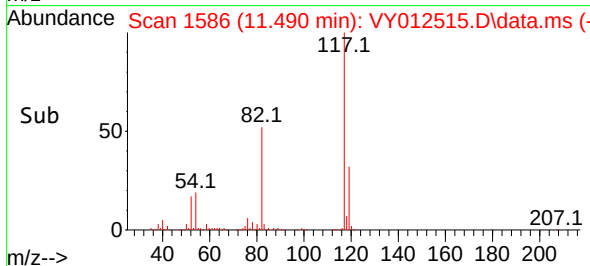
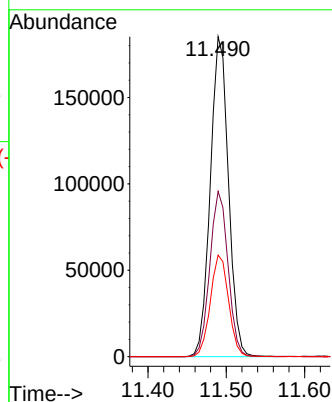
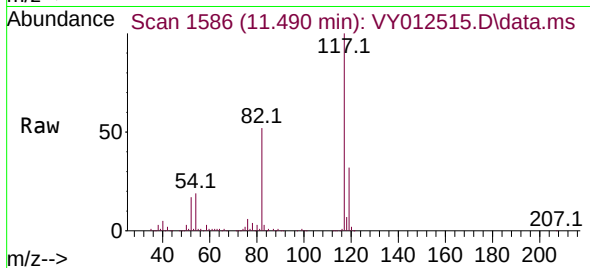
Tgt Ion:117 Resp: 297518

Ion Ratio Lower Upper

117 100

82 51.6 41.7 62.5

119 31.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

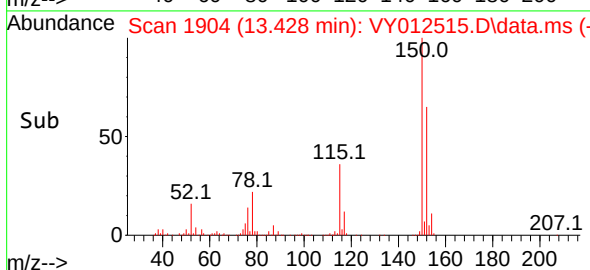
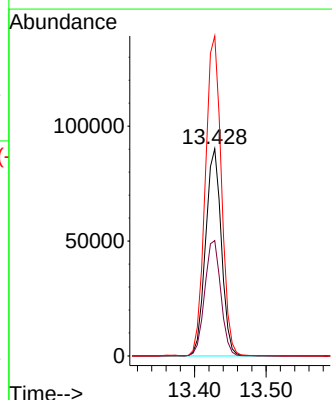
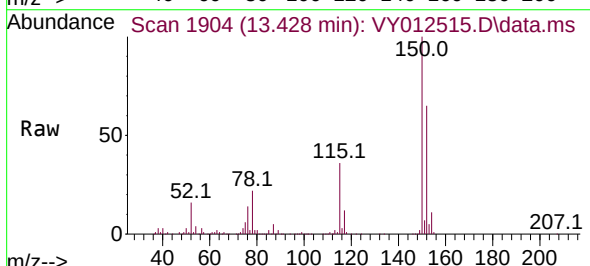
Tgt Ion:152 Resp: 137957

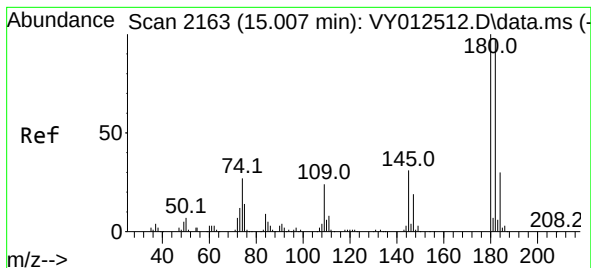
Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.3

150 157.5 0.0 351.0





#93

1,2,4-Trichlorobenzene

Concen: 1.248 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

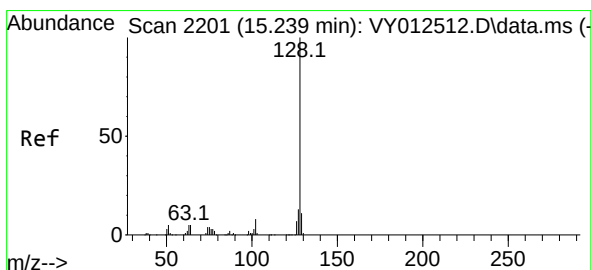
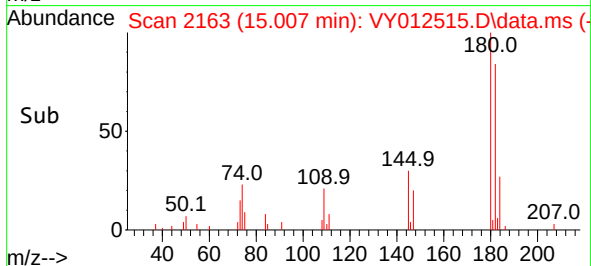
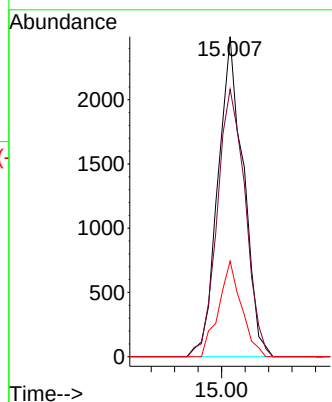
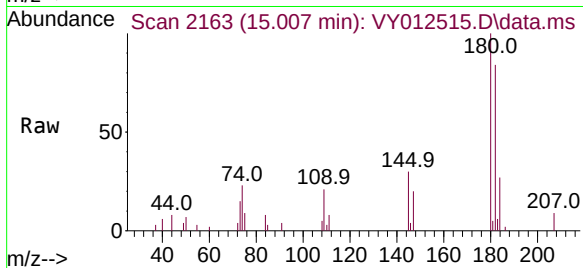
Tgt Ion:180 Resp: 3745

Ion Ratio Lower Upper

180 100

182 91.8 47.7 143.1

145 26.8 15.4 46.4



#95

Naphthalene

Concen: 1.626 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

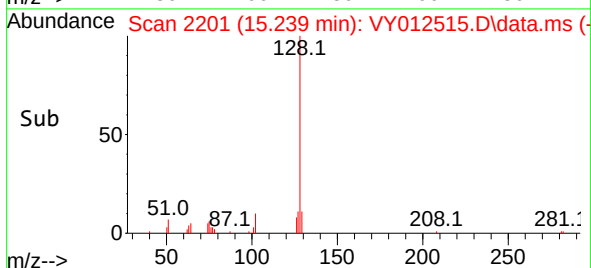
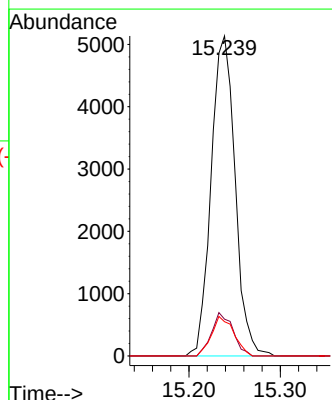
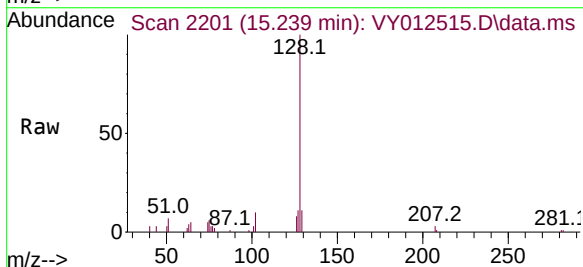
Tgt Ion:128 Resp: 9365

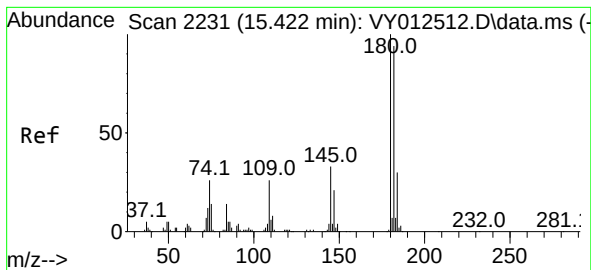
Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 11.5 8.6 12.8





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.421 ug/l  
 RT: 15.428 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VY012515.D  
 Acq: 07 Feb 2023 12:35

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3691  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.7  | 47.4  | 142.2 |
| 145      | 29.7  | 16.2  | 48.6  |

