

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052422\  
 Data File : VY009063.D  
 Acq On : 24 May 2022 15:42  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 25 02:54:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

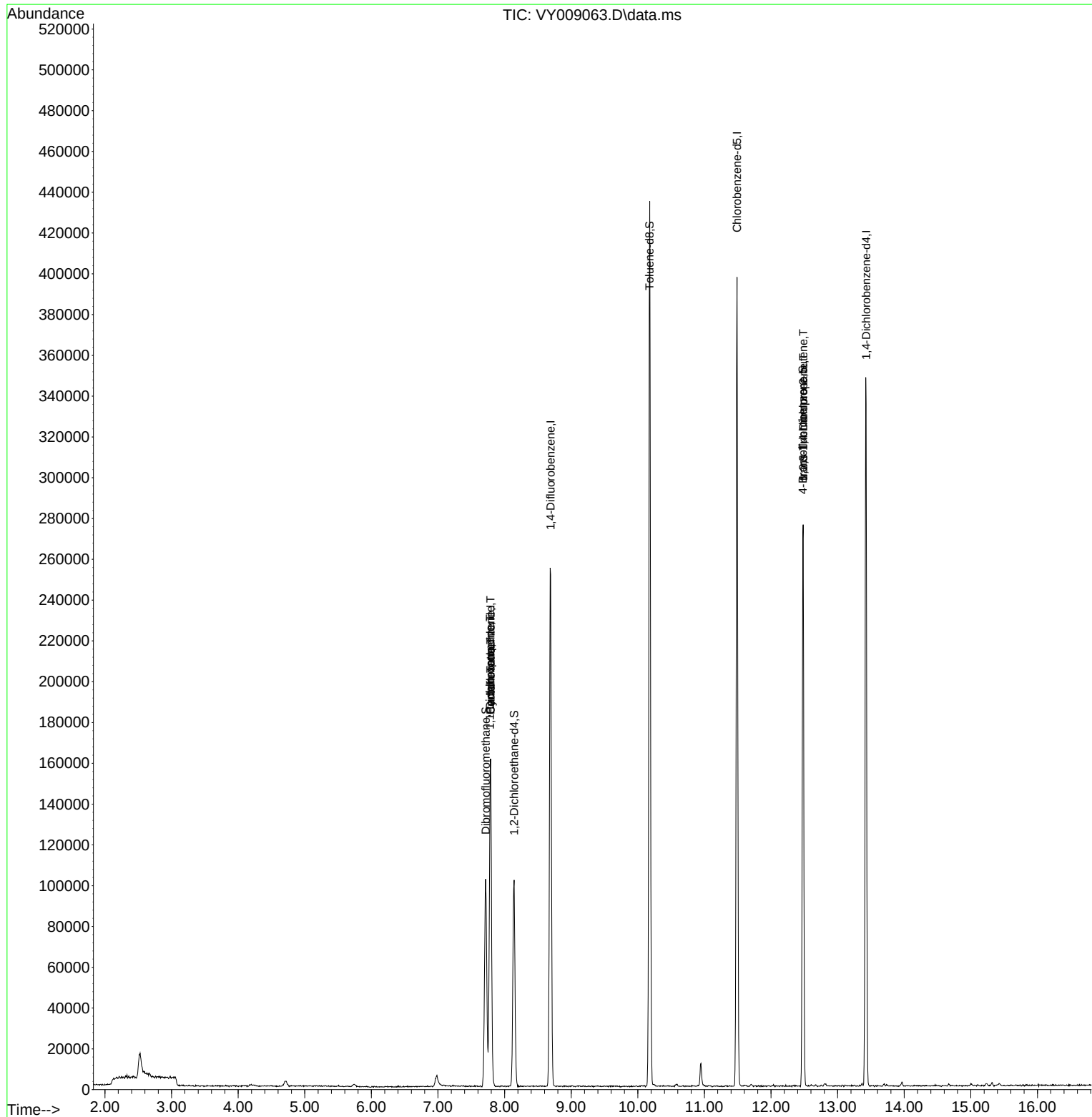
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 123244   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 214912   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 201197   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 85976    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 75065    | 59.181    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 118.360% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 68795    | 51.477    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 102.960% |          |
| 50) Toluene-d8                | 10.179    | 98    | 271962   | 55.162    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 110.320% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 74877    | 37.649    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 75.300%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 20) Methylene Chloride        | 4.716     | 84    | 1973     | Below Cal | #          | 77       |
| 31) Cyclohexane               | 7.789     | 56    | 3136     | 1.264     | ug/l #     | 23       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 10325    | 4.540     | ug/l #     | 45       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 12364    | 5.197     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 43625    | 47.250    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 43625    | 96.981    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

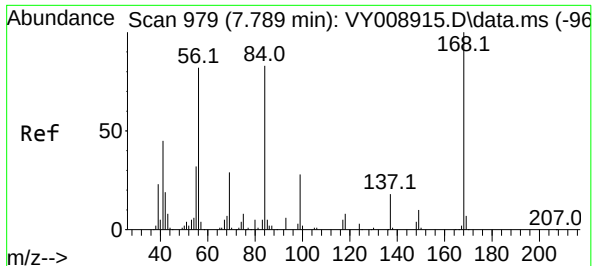
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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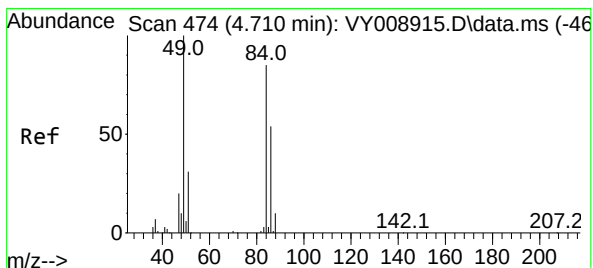
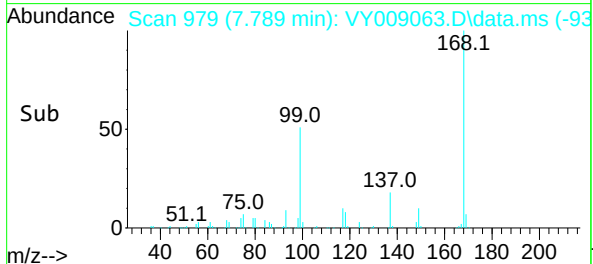
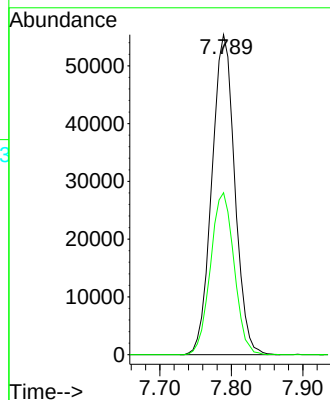
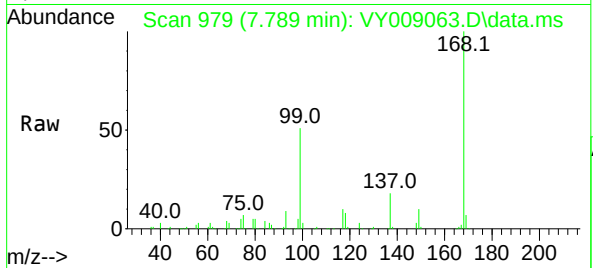




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

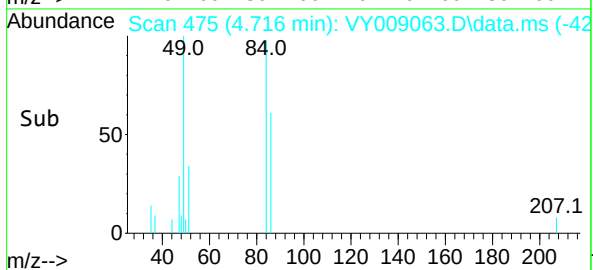
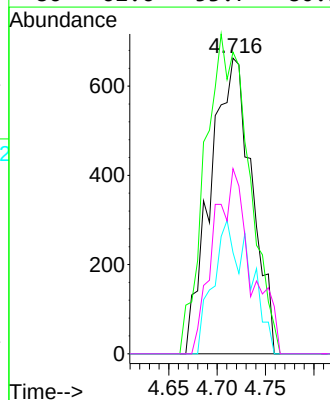
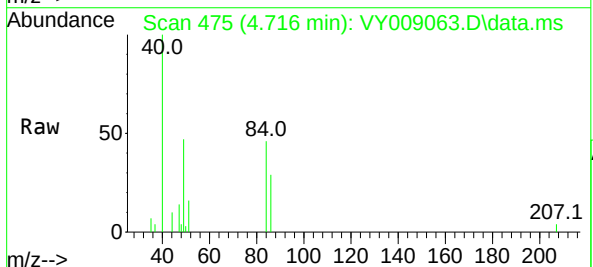
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

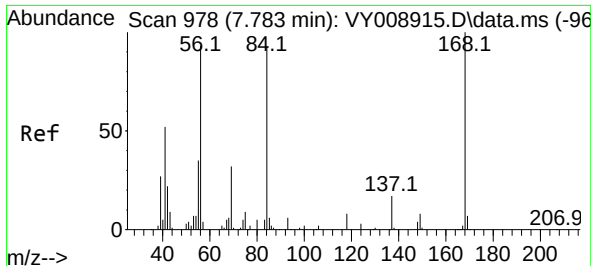
Tgt Ion:168 Resp: 123244  
Ion Ratio Lower Upper  
168 100  
99 50.6 46.9 70.3



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

Tgt Ion: 84 Resp: 1973  
Ion Ratio Lower Upper  
84 100  
49 102.0 114.4 171.6#  
51 34.2 35.3 52.9#  
86 62.6 53.7 80.5

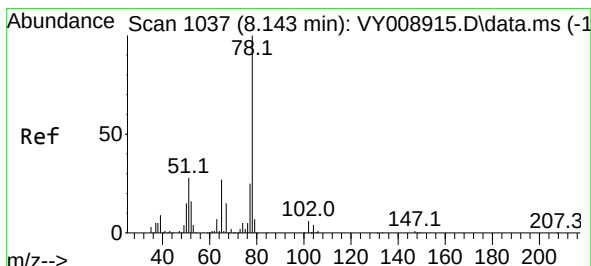
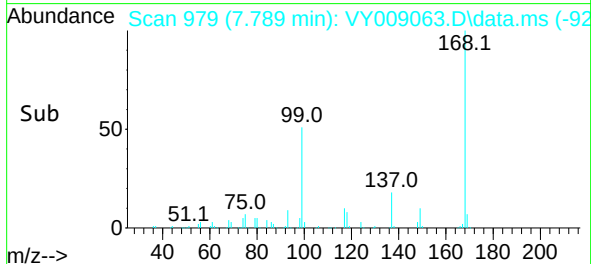
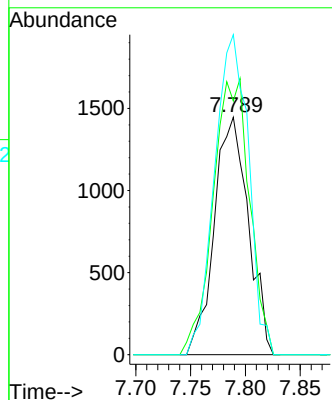
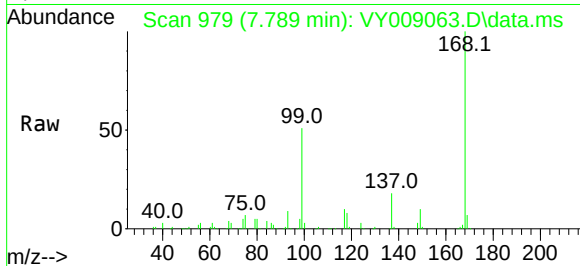




#31  
Cyclohexane  
Concen: 1.264 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

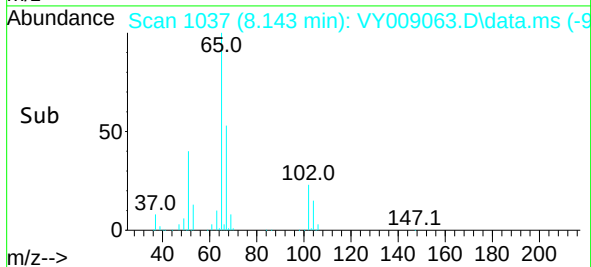
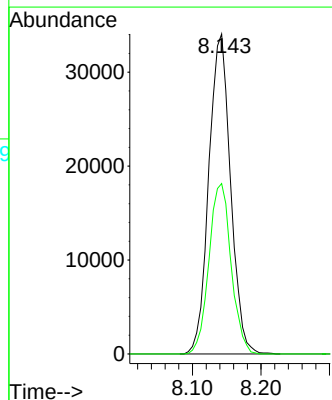
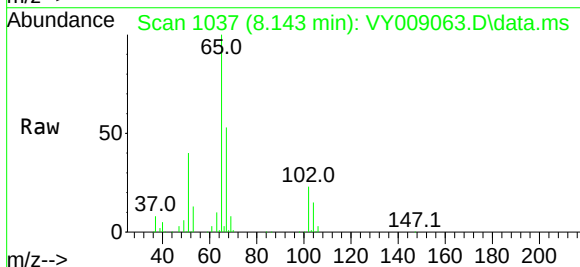
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

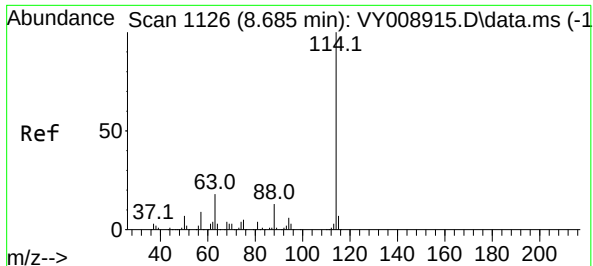
Tgt Ion: 56 Resp: 3136  
Ion Ratio Lower Upper  
56 100  
69 106.8 26.7 40.1#  
84 134.8 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 59.181 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

Tgt Ion: 65 Resp: 75065  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009063.D

Acq: 24 May 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

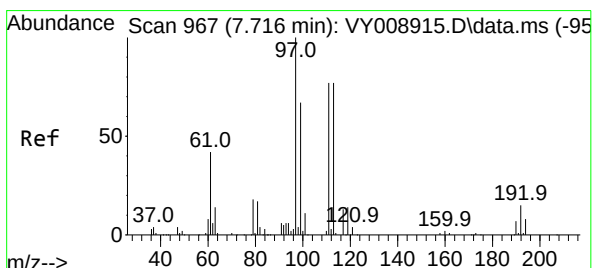
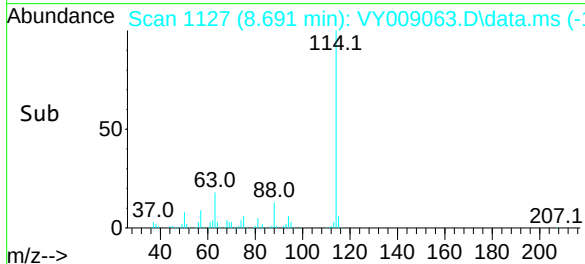
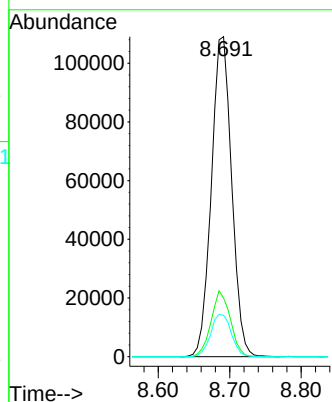
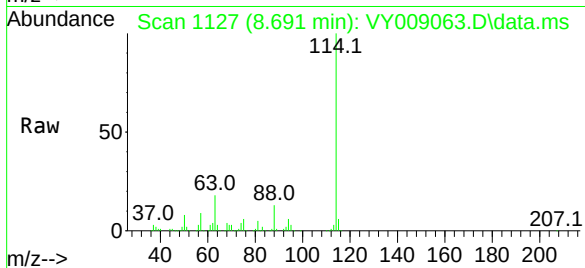
Tgt Ion:114 Resp: 214912

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.477 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009063.D

Acq: 24 May 2022 15:42

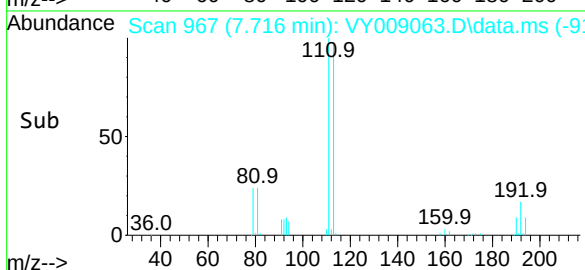
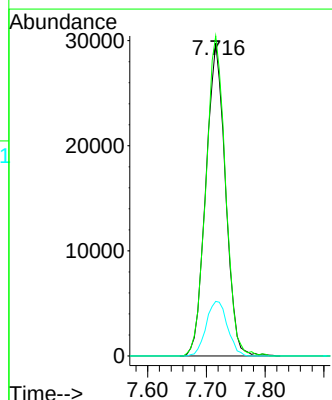
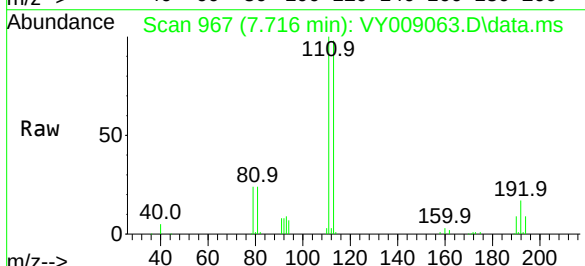
Tgt Ion:113 Resp: 68795

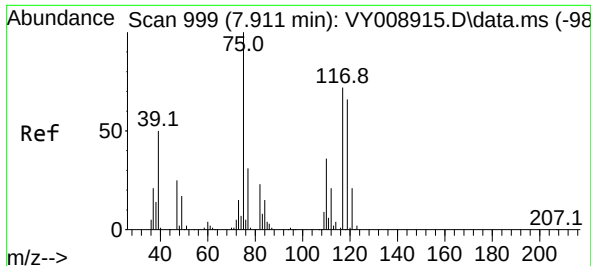
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.9 17.6 26.4

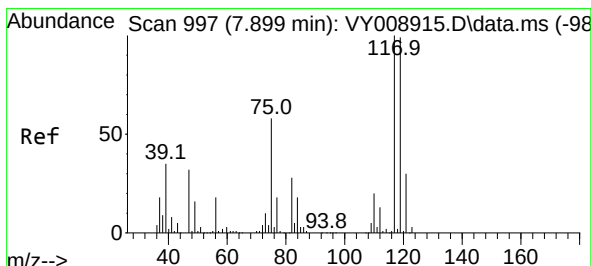
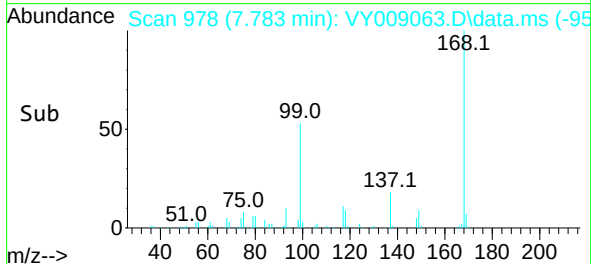
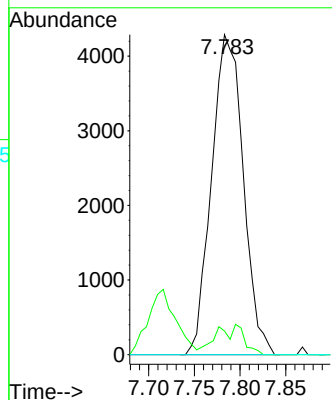
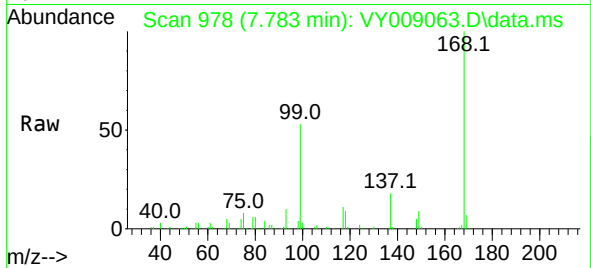




#36  
 1,1-Dichloropropene  
 Concen: 4.540 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY009063.D  
 Acq: 24 May 2022 15:42

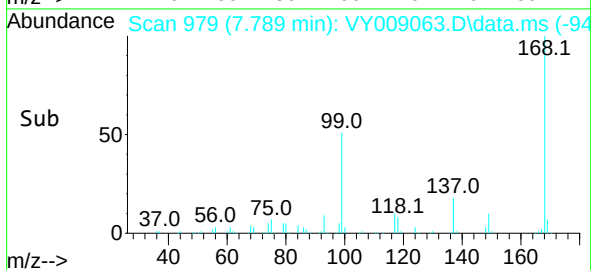
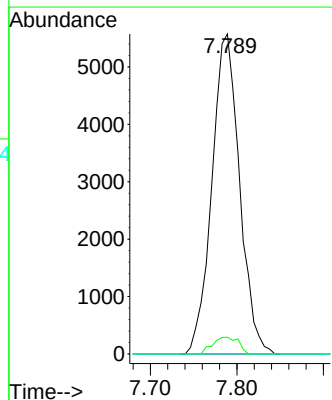
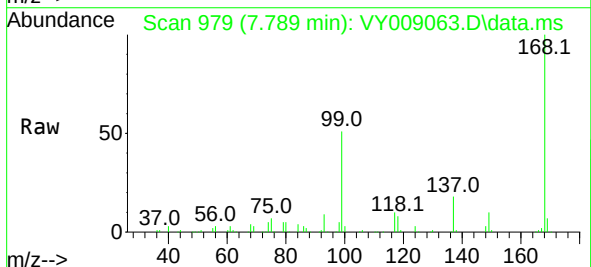
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

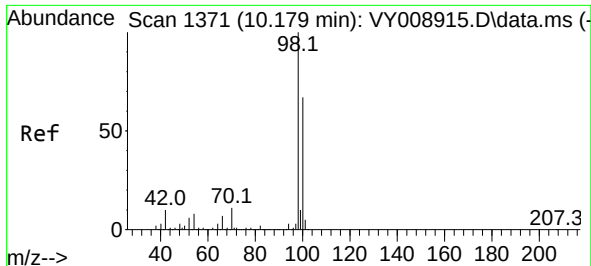
Tgt Ion: 75 Resp: 10325  
 Ion Ratio Lower Upper  
 75 100  
 110 3.3 17.1 51.2#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.197 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.110 min  
 Lab File: VY009063.D  
 Acq: 24 May 2022 15:42

Tgt Ion: 117 Resp: 12364  
 Ion Ratio Lower Upper  
 117 100  
 119 5.3 77.9 116.9#  
 121 0.0 24.8 37.2#

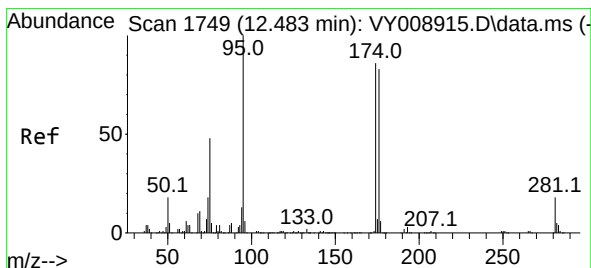
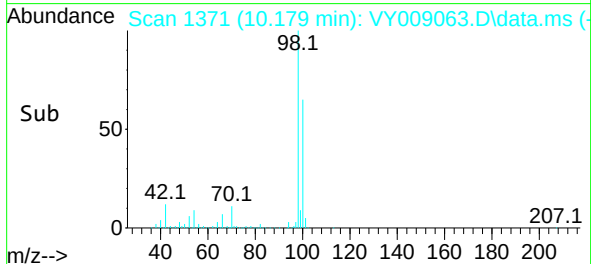
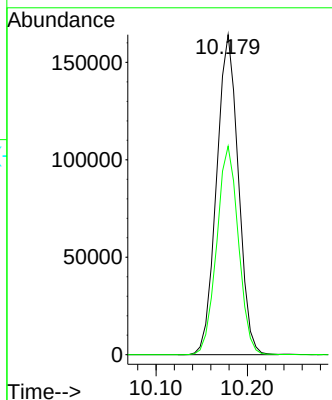
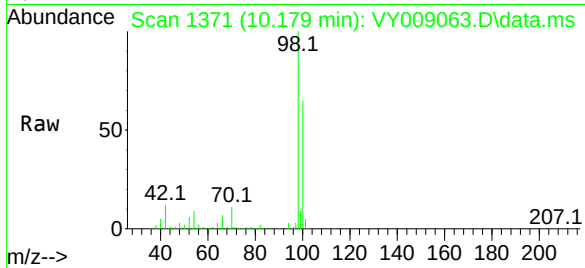




#50  
Toluene-d8  
Concen: 55.162 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

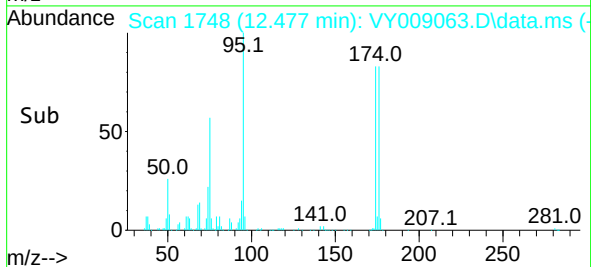
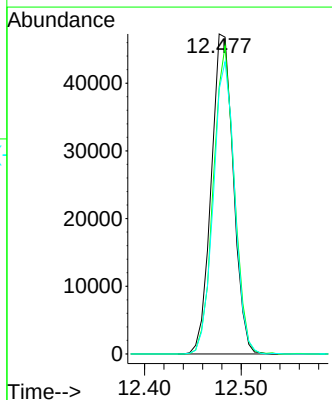
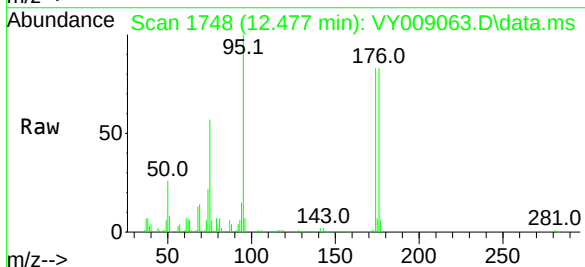
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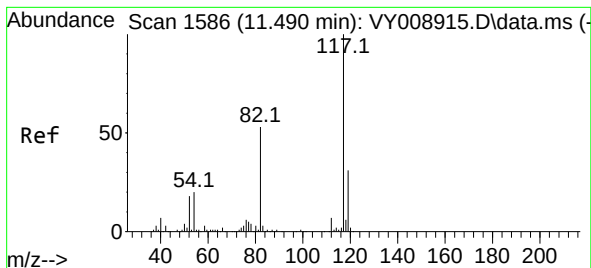
Tgt Ion: 98 Resp: 271962  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.649 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

Tgt Ion: 95 Resp: 74877  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 177.0  
176 88.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009063.D

Acq: 24 May 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

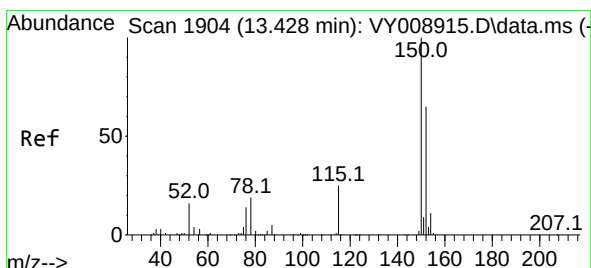
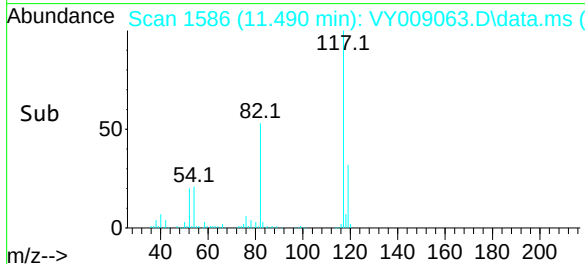
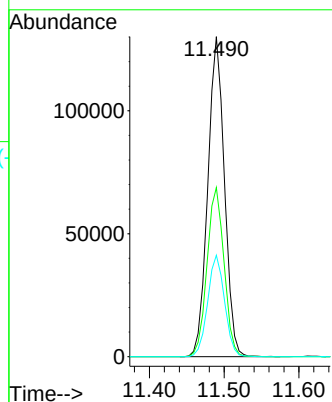
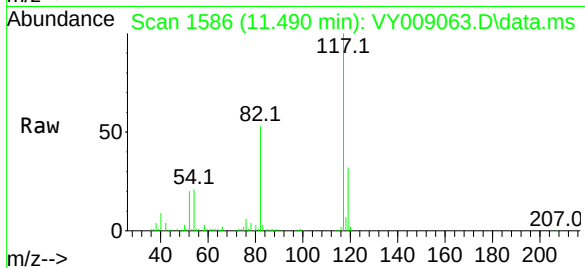
Tgt Ion:117 Resp: 201197

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.4

119 31.7 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: VY009063.D

Acq: 24 May 2022 15:42

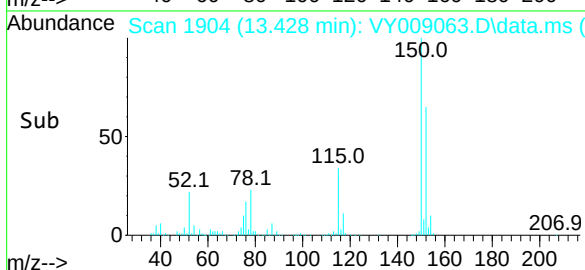
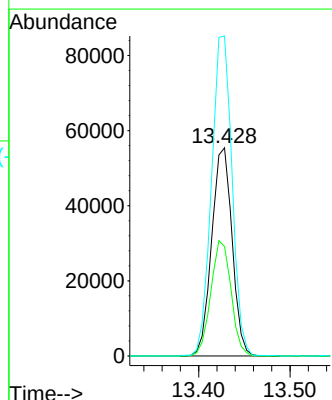
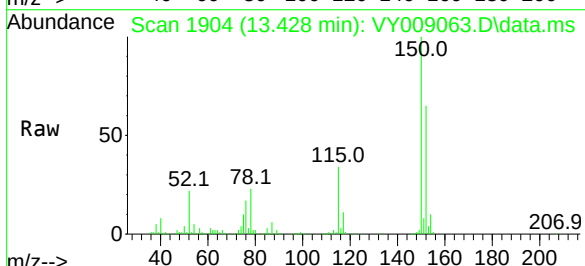
Tgt Ion:152 Resp: 85976

Ion Ratio Lower Upper

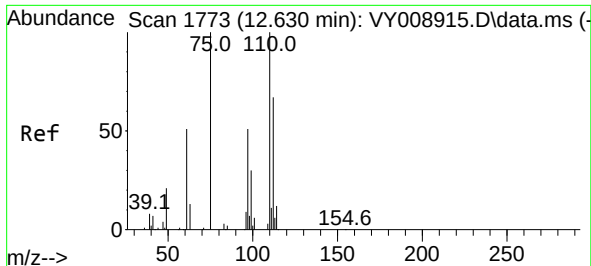
152 100

115 54.7 28.2 84.7

150 154.7 0.0 347.6



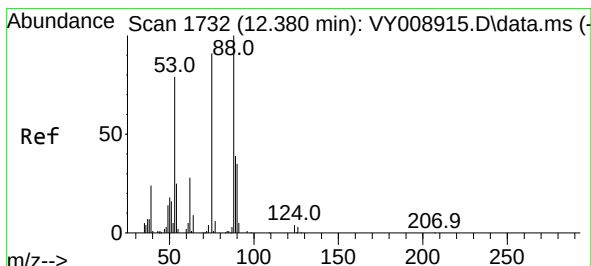
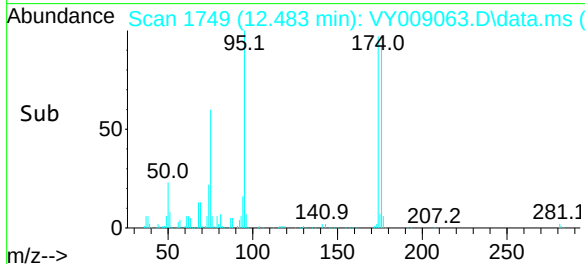
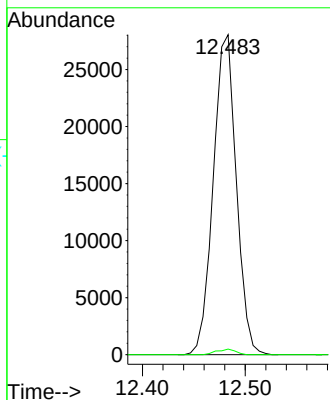
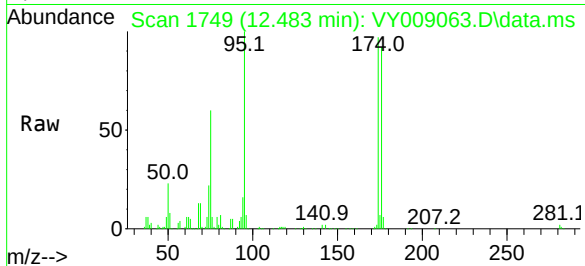




#76  
1,2,3-Trichloropropane  
Concen: 47.250 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 75 Resp: 43625  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.981 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY009063.D  
Acq: 24 May 2022 15:42

Tgt Ion: 75 Resp: 43625  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

