

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051923\  
 Data File : VY013821.D  
 Acq On : 19 May 2023 15:13  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 22 04:20:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051723S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 06:54:18 2023  
 Response via : Initial Calibration

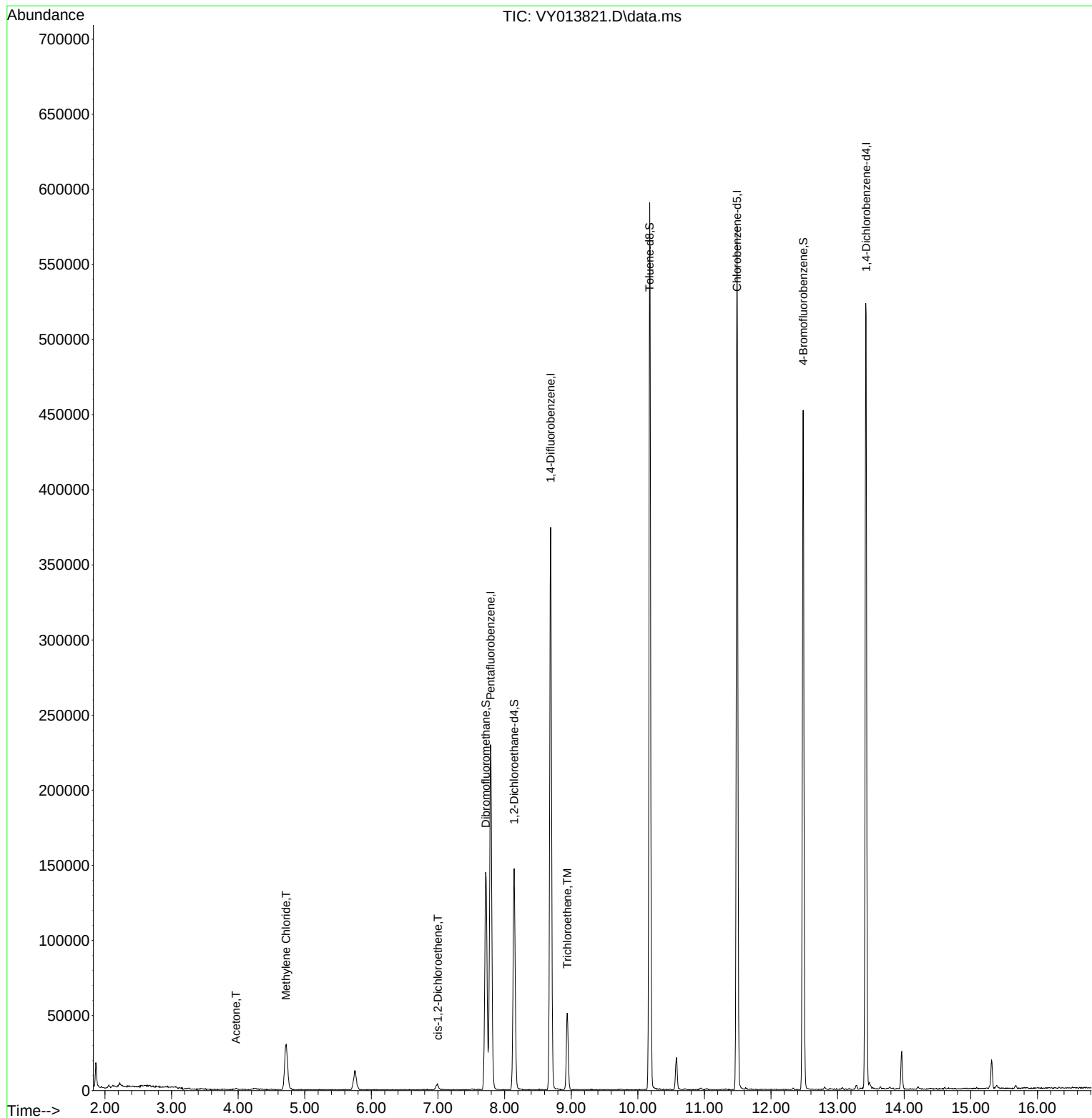
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 177594   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 306394   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 296427   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 135295   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 119984   | 58.159   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 116.320% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 99283    | 50.531   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 101.060% |
| 50) Toluene-d8              | 10.179 | 98    | 373724   | 50.173   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 100.340% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 120718   | 48.792   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 97.580%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.966  | 43    | 1426     | 2.291    | ug/l # | 80       |
| 20) Methylene Chloride      | 4.716  | 84    | 22694    | 6.791    | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene  | 6.996  | 96    | 1993     | 1.008    | ug/l   | 77       |
| 44) Trichloroethene         | 8.941  | 130   | 17243    | 8.361    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

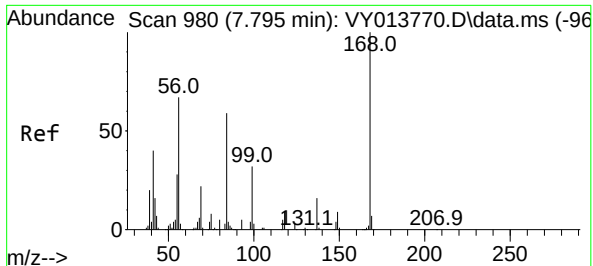
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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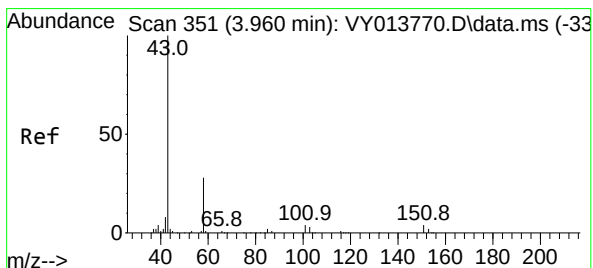
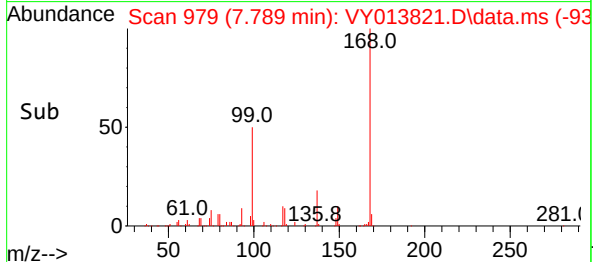
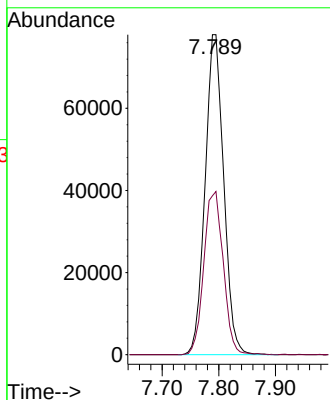
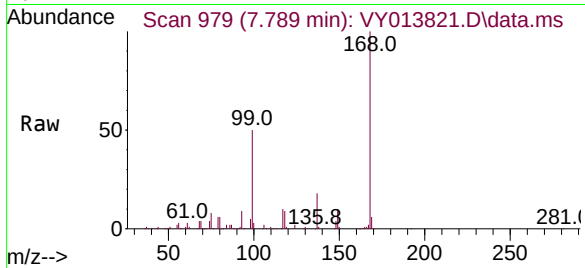




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

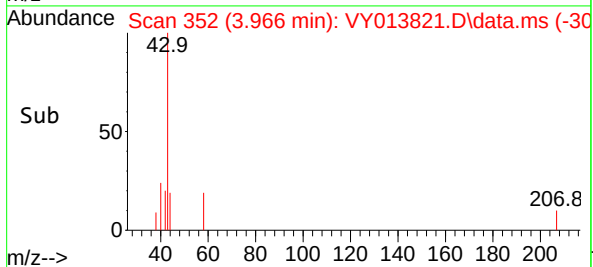
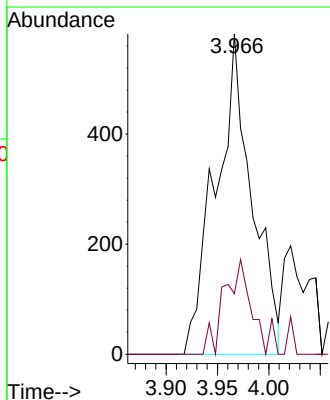
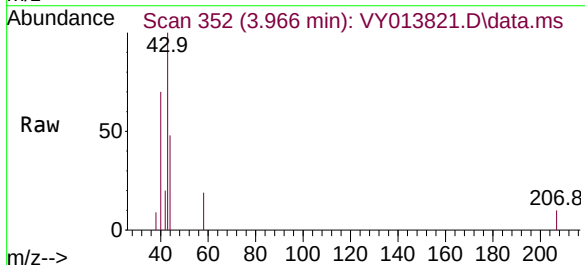
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

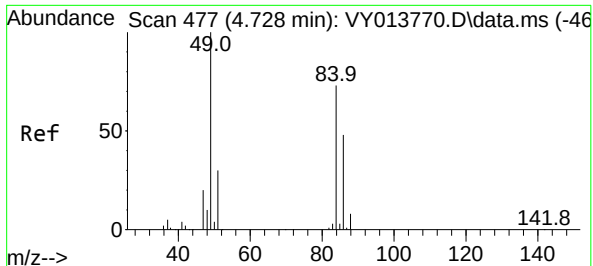
Tgt Ion:168 Resp: 177594  
Ion Ratio Lower Upper  
168 100  
99 49.7 44.0 66.0



#16  
Acetone  
Concen: 2.291 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

Tgt Ion: 43 Resp: 1426  
Ion Ratio Lower Upper  
43 100  
58 18.9 23.7 35.5#



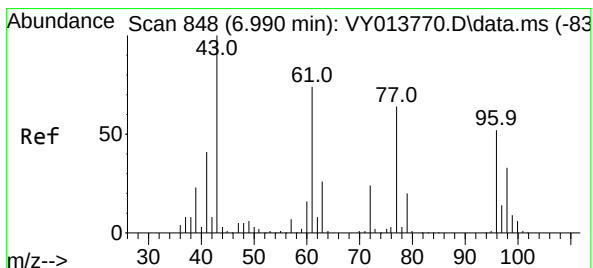
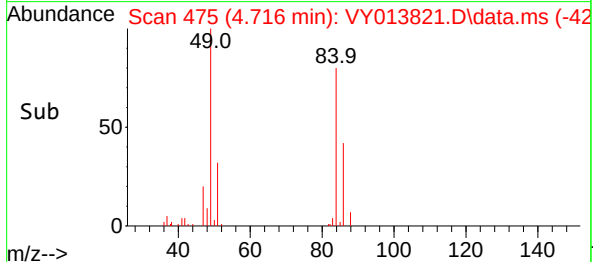
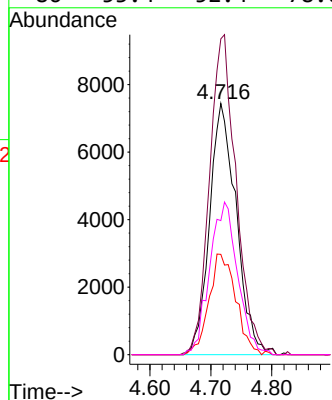
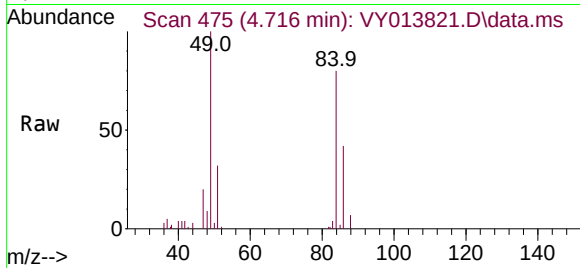


#20  
Methylene Chloride  
Concen: 6.791 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 84 Resp: 22694

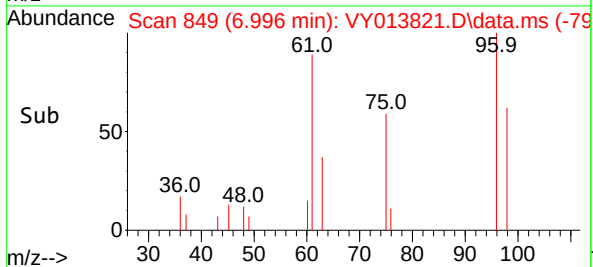
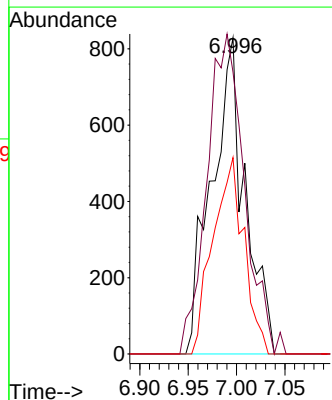
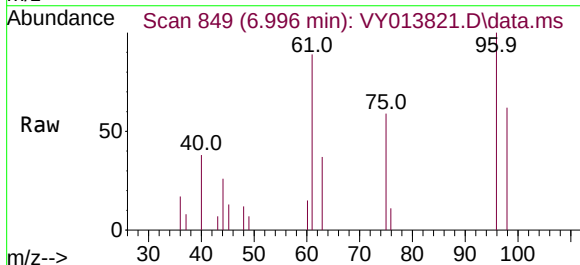
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 125.7 | 109.4 | 164.0 |
| 51  | 39.9  | 32.8  | 49.2  |
| 86  | 53.4  | 52.4  | 78.6  |

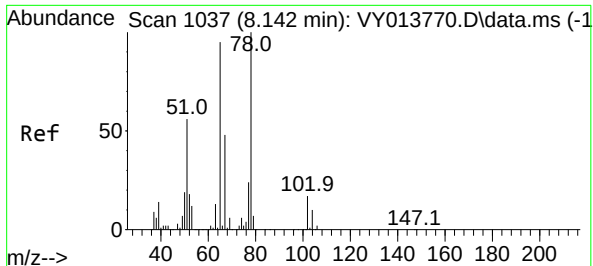


#27  
cis-1,2-Dichloroethene  
Concen: 1.008 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

Tgt Ion: 96 Resp: 1993

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 113.4 | 0.0   | 300.6 |
| 98  | 57.6  | 0.0   | 127.8 |





#33

1,2-Dichloroethane-d4

Concen: 58.159 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013821.D

Acq: 19 May 2023 15:13

Instrument :

MSVOA\_Y

ClientSampleId :

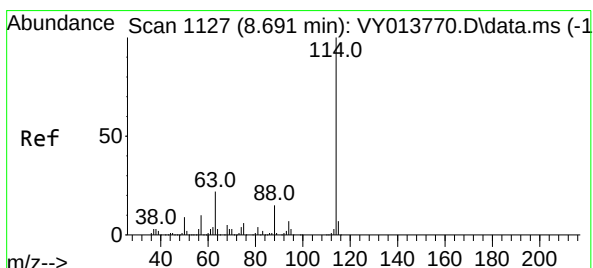
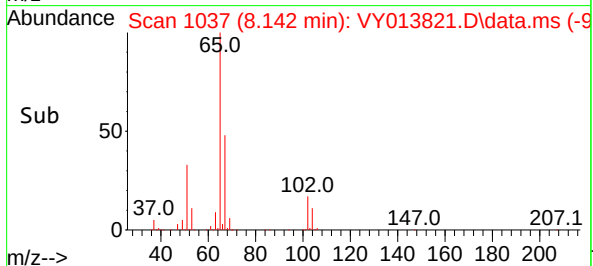
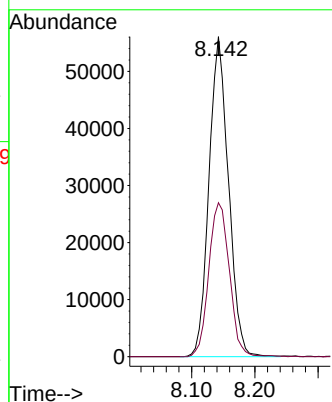
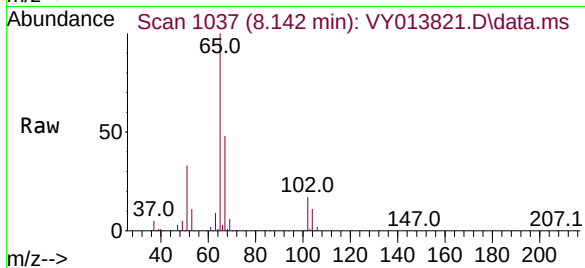
VIBLK

Tgt Ion: 65 Resp: 119984

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013821.D

Acq: 19 May 2023 15:13

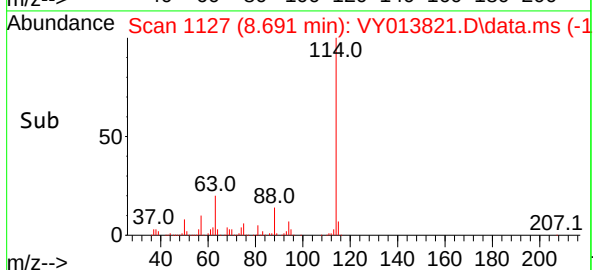
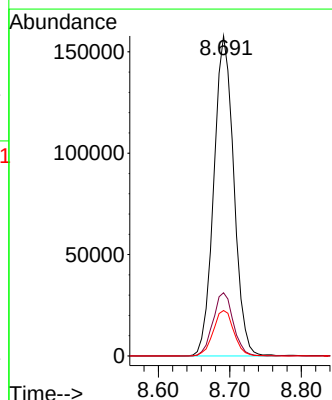
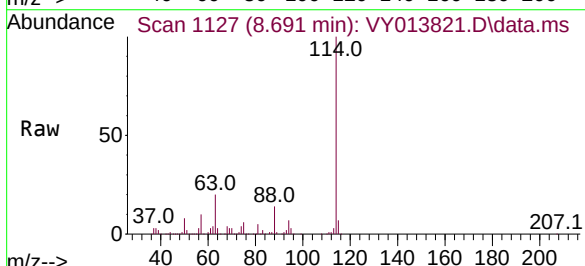
Tgt Ion:114 Resp: 306394

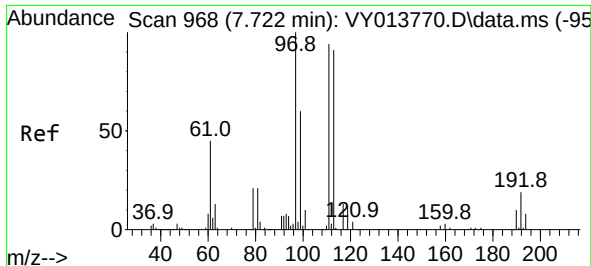
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.8

88 14.2 0.0 30.8

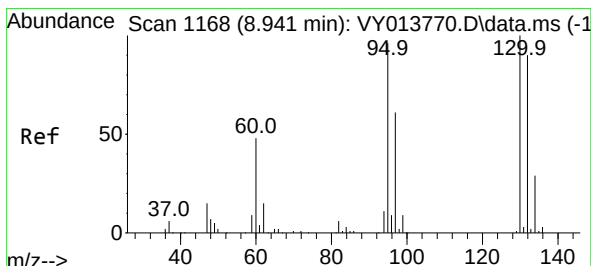
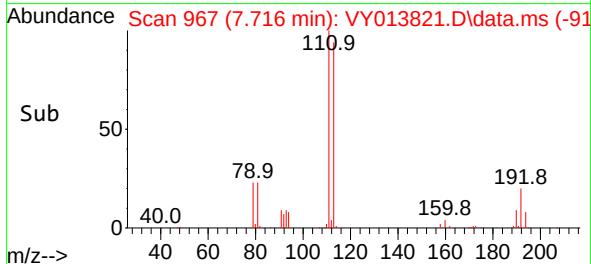
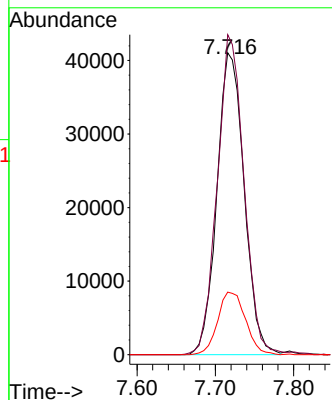
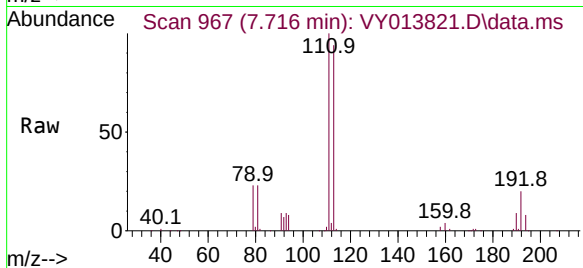




#35  
Dibromofluoromethane  
Concen: 50.531 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

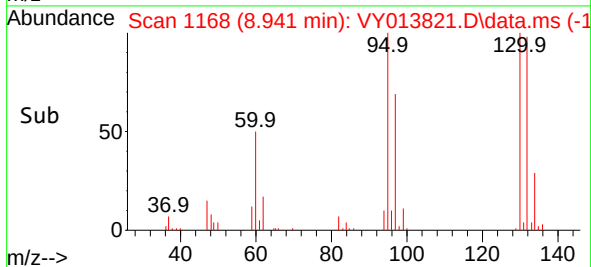
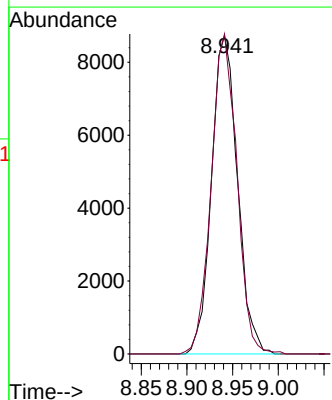
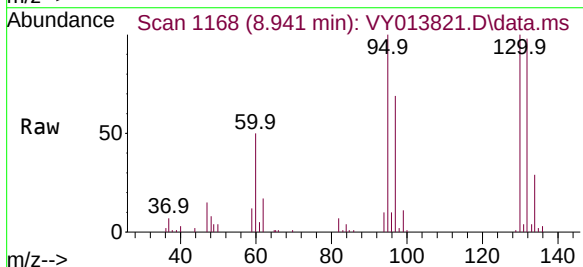
Instrument :  
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ClientSampleId :  
VIBLK

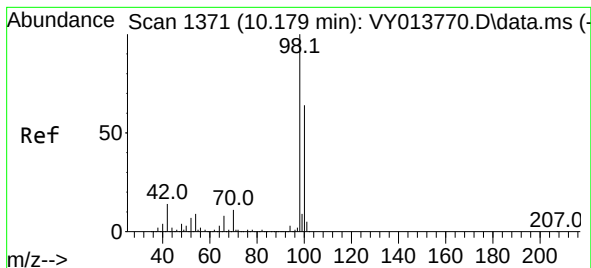
Tgt Ion:113 Resp: 99283  
Ion Ratio Lower Upper  
113 100  
111 104.3 82.3 123.5  
192 21.2 16.0 24.0



#44  
Trichloroethene  
Concen: 8.361 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

Tgt Ion:130 Resp: 17243  
Ion Ratio Lower Upper  
130 100  
95 100.5 0.0 193.0

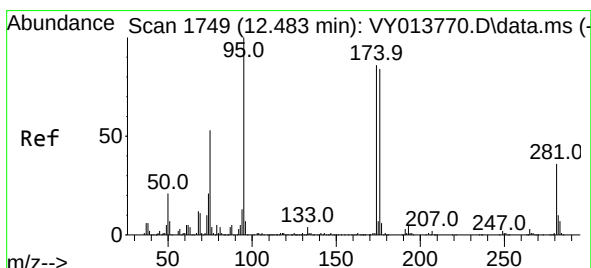
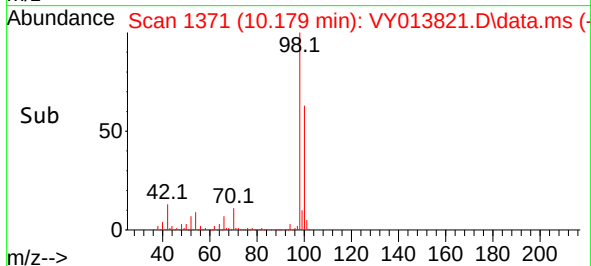
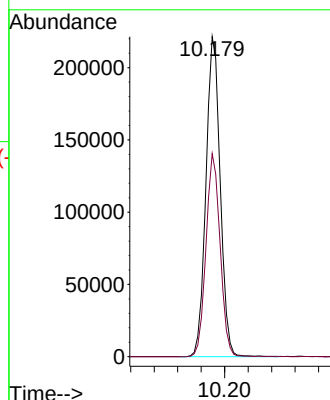
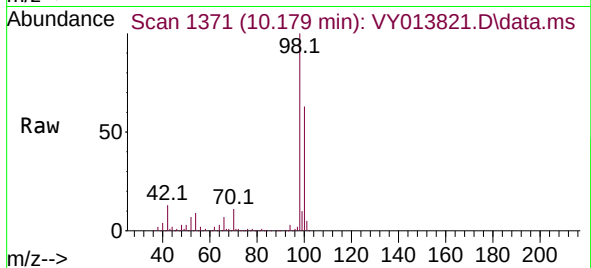




#50  
Toluene-d8  
Concen: 50.173 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

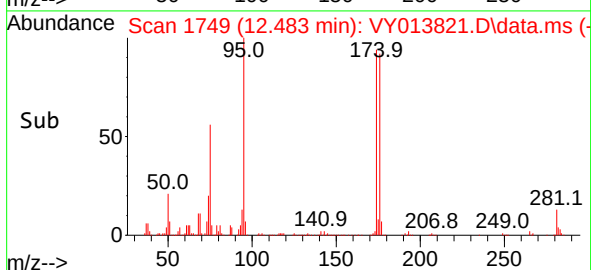
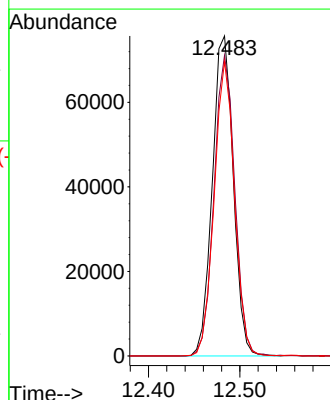
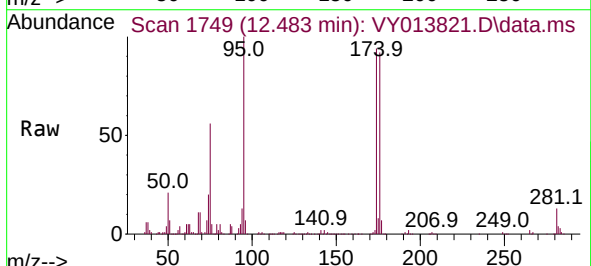
Instrument :  
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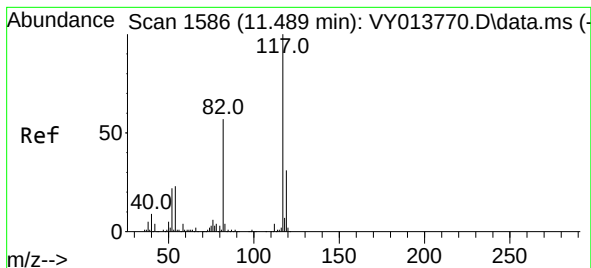
Tgt Ion: 98 Resp: 373724  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 48.792 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013821.D  
Acq: 19 May 2023 15:13

Tgt Ion: 95 Resp: 120718  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 168.8  
176 89.0 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013821.D

Acq: 19 May 2023 15:13

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

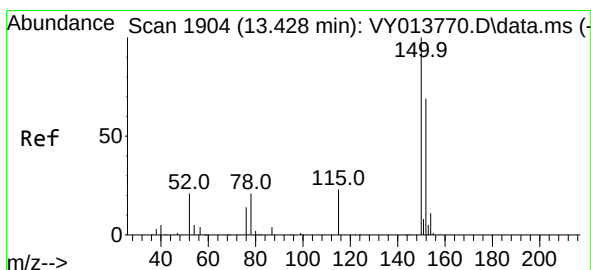
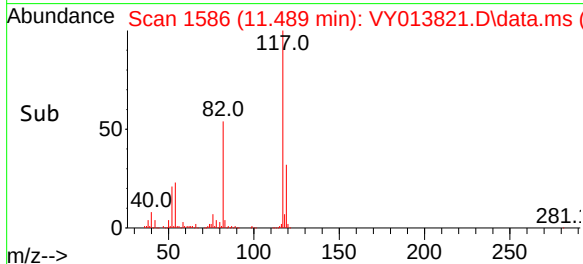
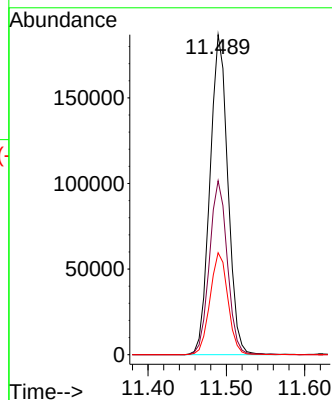
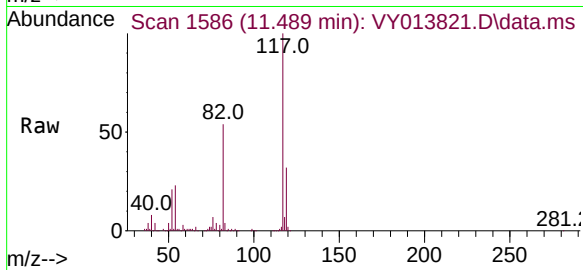
Tgt Ion:117 Resp: 296427

Ion Ratio Lower Upper

117 100

82 54.3 45.5 68.3

119 31.9 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013821.D

Acq: 19 May 2023 15:13

Tgt Ion:152 Resp: 135295

Ion Ratio Lower Upper

152 100

115 57.2 28.5 85.5

150 157.8 0.0 347.0

