

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050423\  
 Data File : VY013600.D  
 Acq On : 04 May 2023 15:16  
 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 05 00:59:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

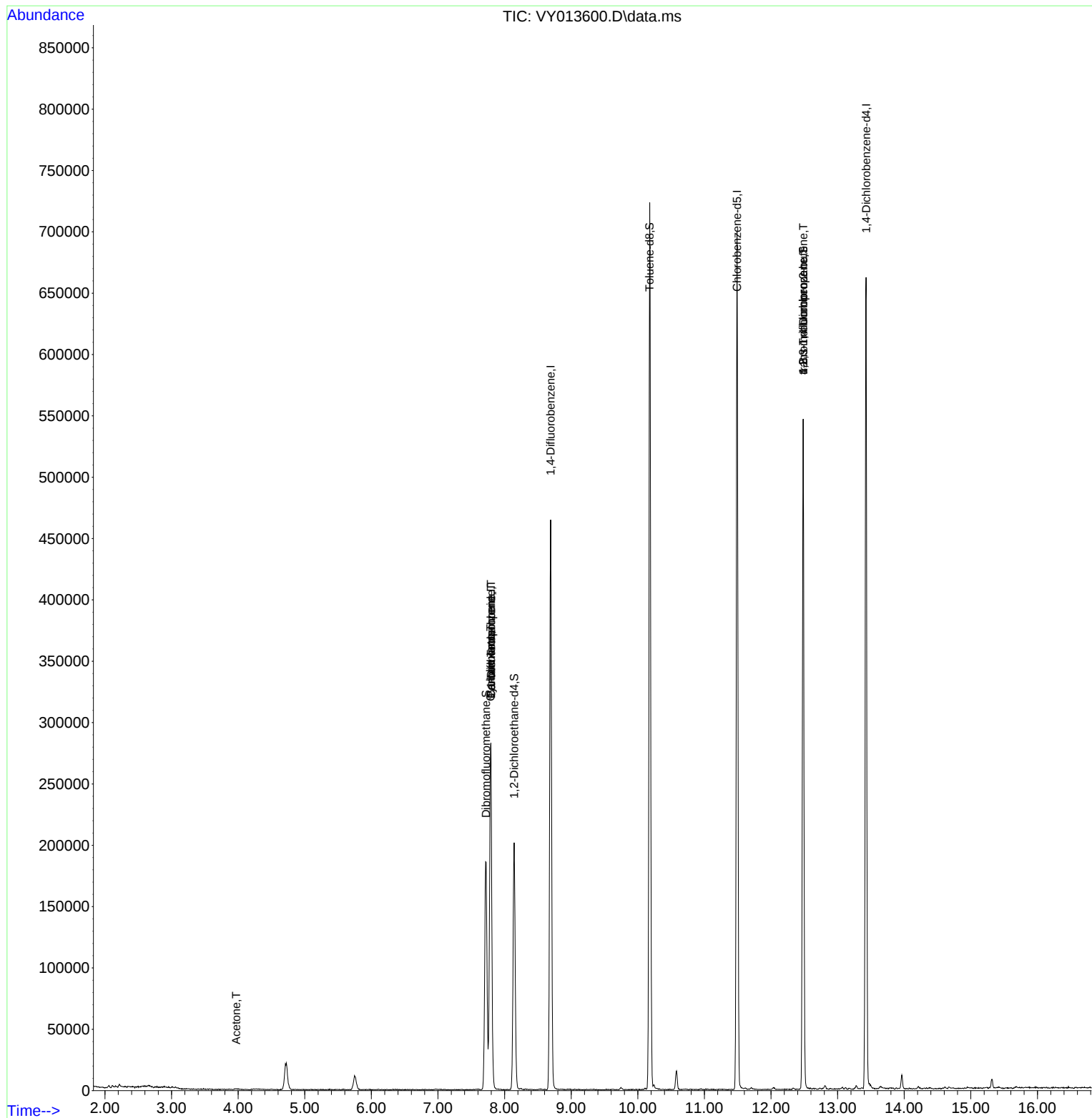
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 224354   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 382099   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 371043   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 170776   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 162188   | 65.946    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 131.900% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 131296   | 54.633    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 109.260% |          |
| 50) Toluene-d8                | 10.179    | 98    | 464098   | 54.285    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 108.580% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 154476   | 53.597    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 107.200% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 13) Acrolein                  | 3.771     | 56    | 24       | Below Cal | #          | 16       |
| 16) Acetone                   | 3.972     | 43    | 1023     | 1.056     | ug/l #     | 84       |
| 20) Methylene Chloride        | 4.722     | 84    | 16359    | Below Cal | #          | 92       |
| 31) Cyclohexane               | 7.789     | 56    | 5152     | 1.170     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 17161    | 4.303     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 22363    | 5.349     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 83594    | 36.296    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 83594    | 74.245    | ug/l #     | 13       |
| -----                         |           |       |          |           |            |          |

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

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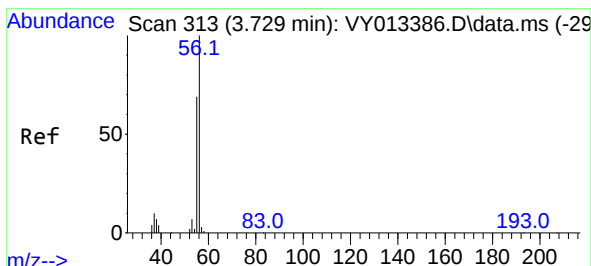
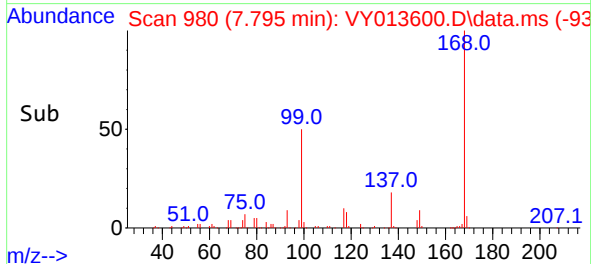
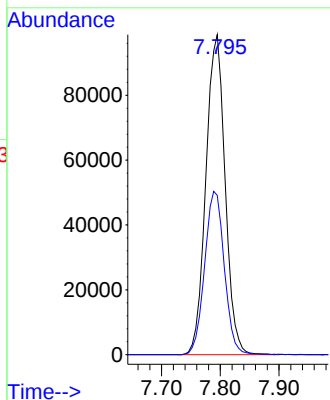
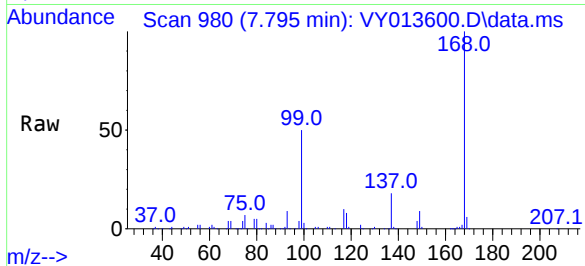




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

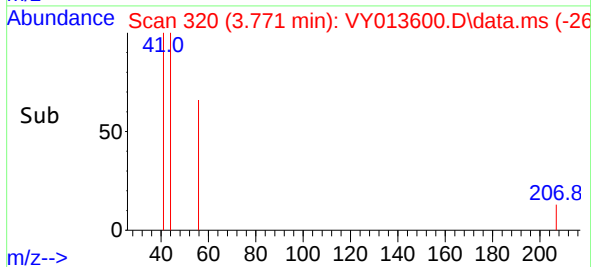
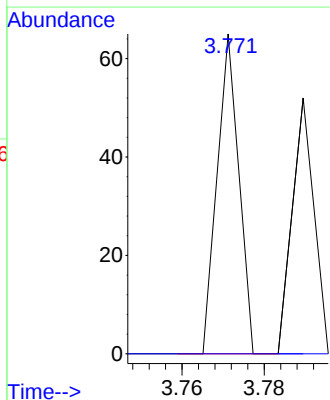
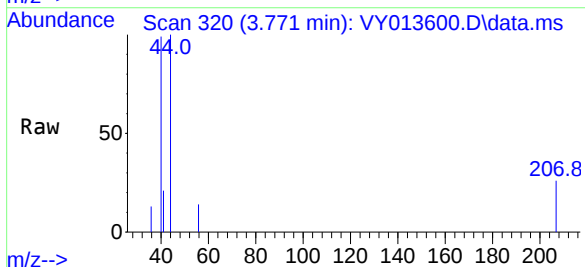
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

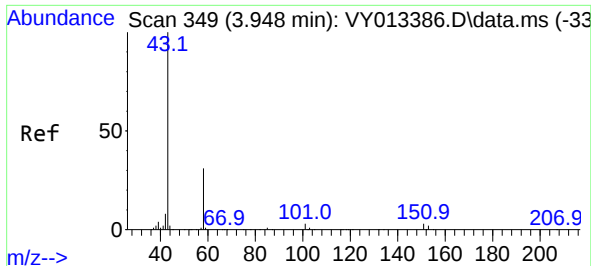
Tgt Ion:168 Resp: 224354  
Ion Ratio Lower Upper  
168 100  
99 49.8 41.8 62.6



#13  
Acrolein  
Concen: Below Cal  
RT: 3.771 min Scan# 320  
Delta R.T. 0.042 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 56 Resp: 24  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.1 81.1#

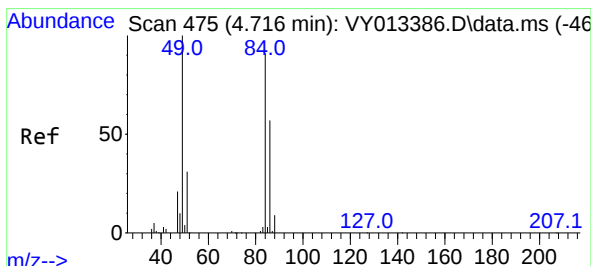
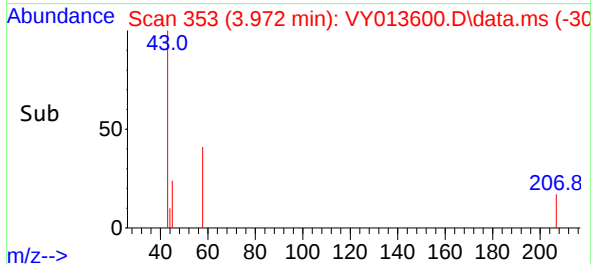
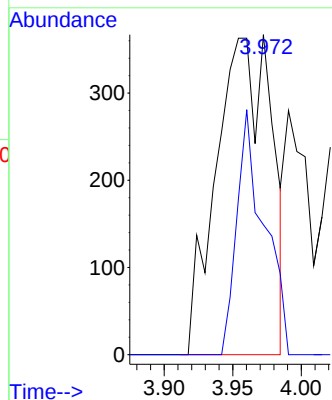
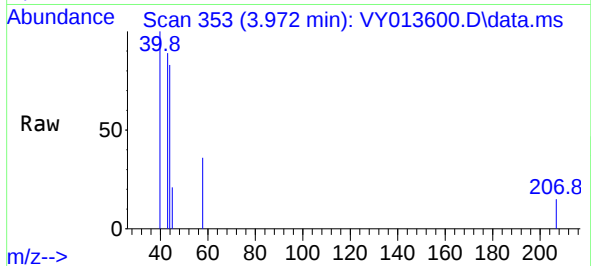




#16  
Acetone  
Concen: 1.056 ug/l  
RT: 3.972 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

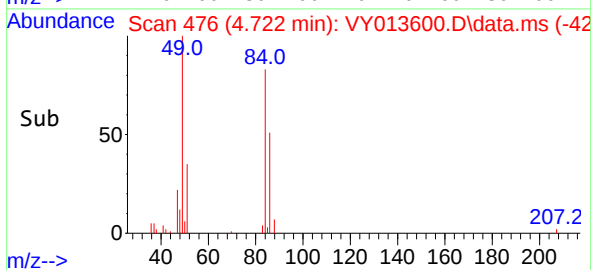
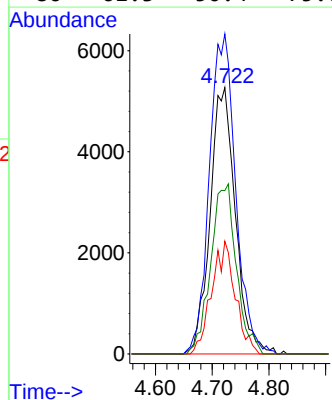
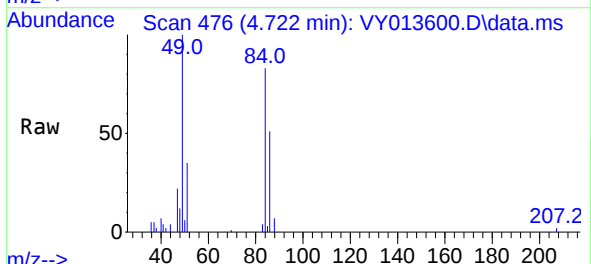
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

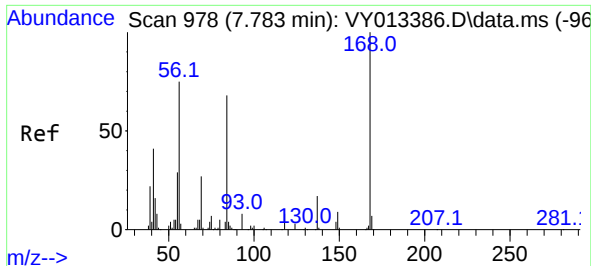
Tgt Ion: 43 Resp: 1023  
Ion Ratio Lower Upper  
43 100  
58 40.6 25.4 38.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 84 Resp: 16359  
Ion Ratio Lower Upper  
84 100  
49 120.1 88.0 132.0  
51 42.3 27.4 41.0#  
86 61.3 50.4 75.6

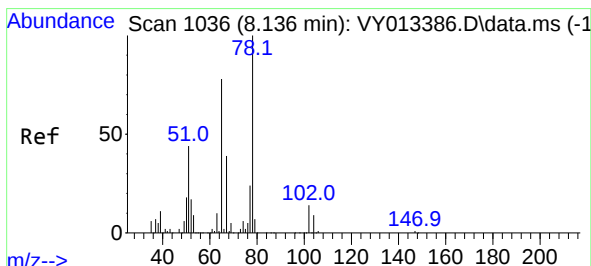
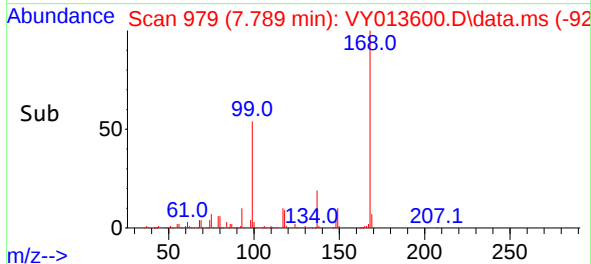
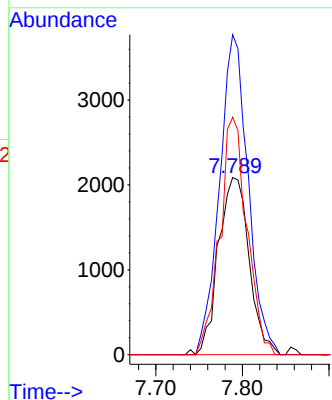
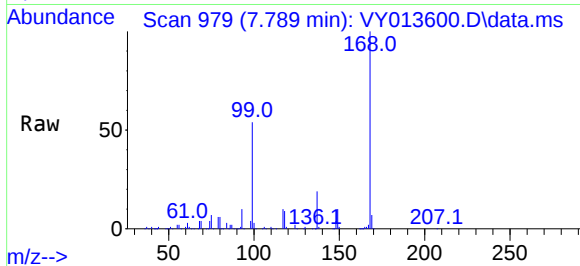




#31  
Cyclohexane  
Concen: 1.170 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

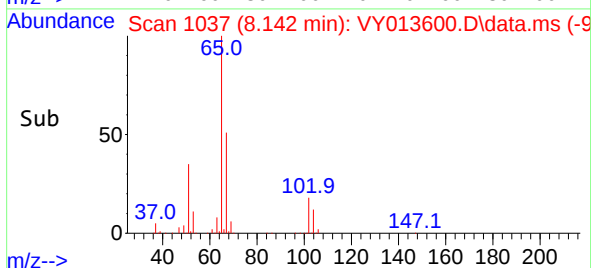
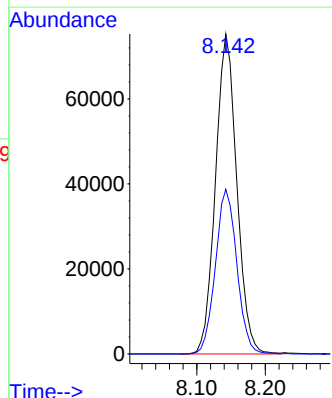
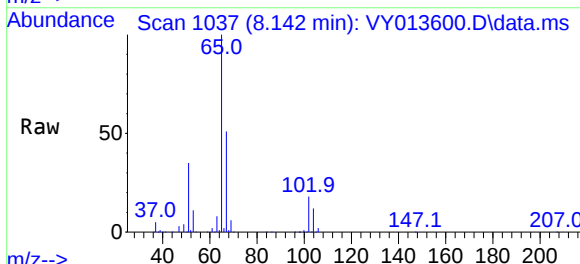
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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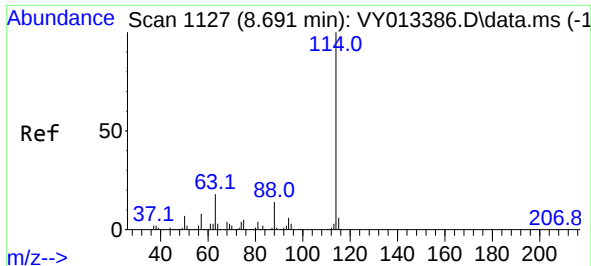
Tgt Ion: 56 Resp: 5152  
Ion Ratio Lower Upper  
56 100  
69 180.7 29.2 43.8#  
84 134.1 73.0 109.6#



#33  
1,2-Dichloroethane-d4  
Concen: 65.946 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 65 Resp: 162188  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013600.D

Acq: 04 May 2023 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

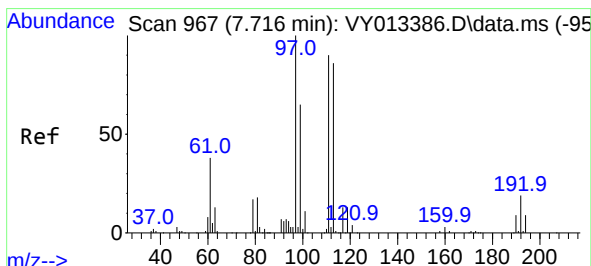
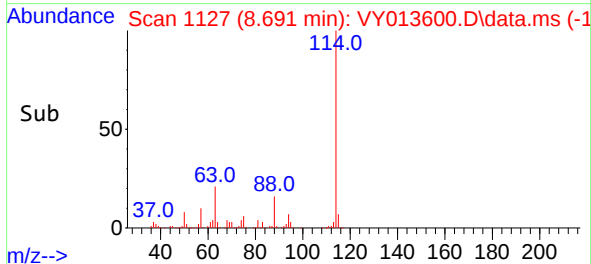
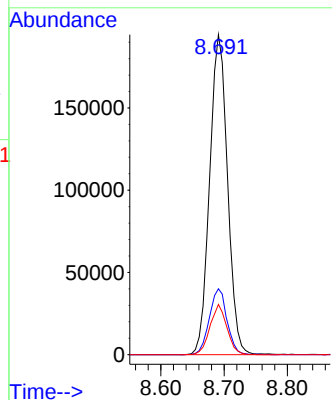
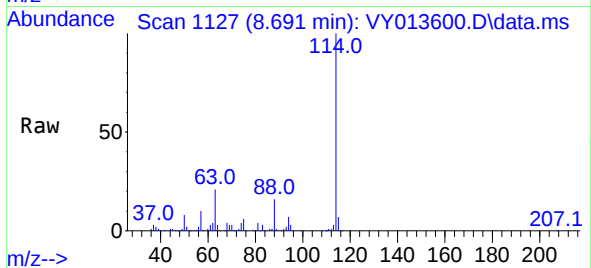
Tgt Ion:114 Resp: 382099

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.6

88 15.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.633 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013600.D

Acq: 04 May 2023 15:16

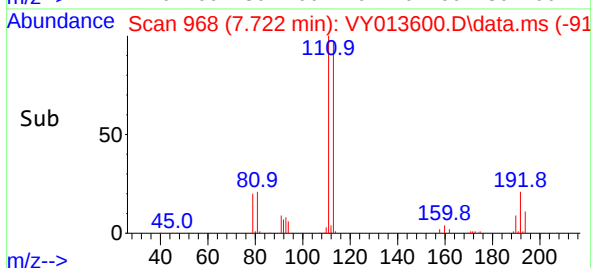
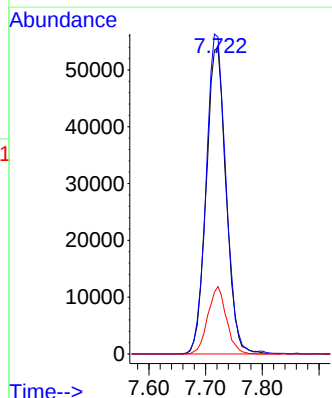
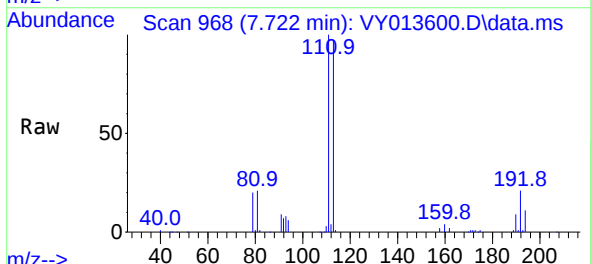
Tgt Ion:113 Resp: 131296

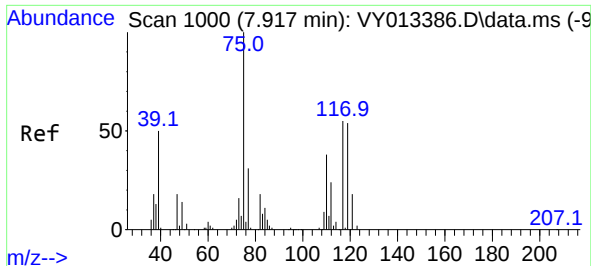
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.5 16.7 25.1

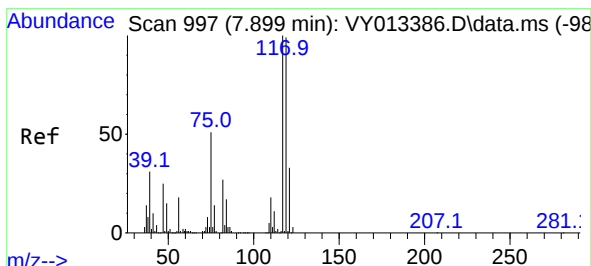
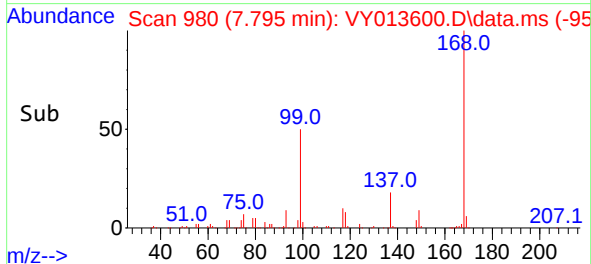
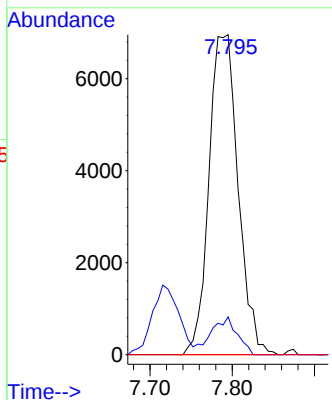
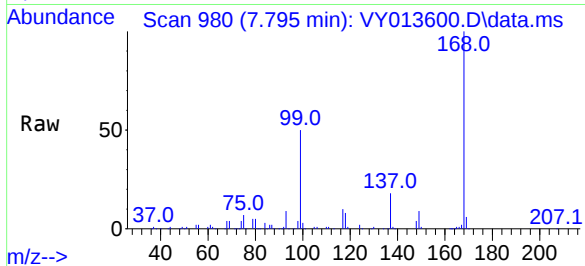




#36  
1,1-Dichloropropene  
Concen: 4.303 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

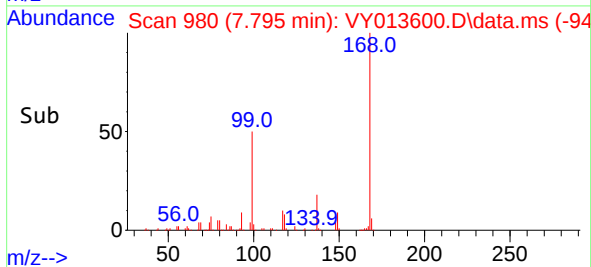
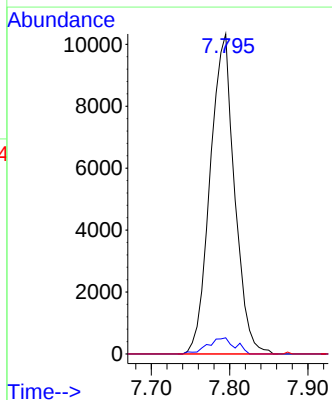
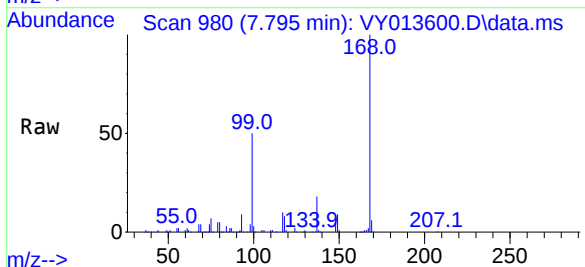
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

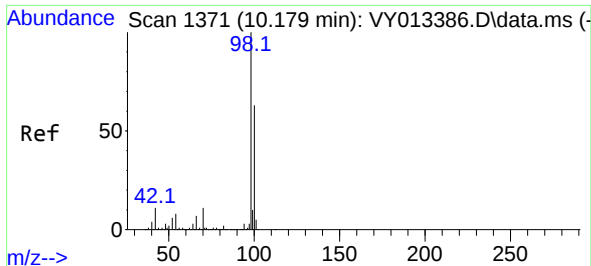
Tgt Ion: 75 Resp: 17161  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.7 56.1#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.349 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.104 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 117 Resp: 22363  
Ion Ratio Lower Upper  
117 100  
119 5.0 79.0 118.6#  
121 0.0 26.6 40.0#

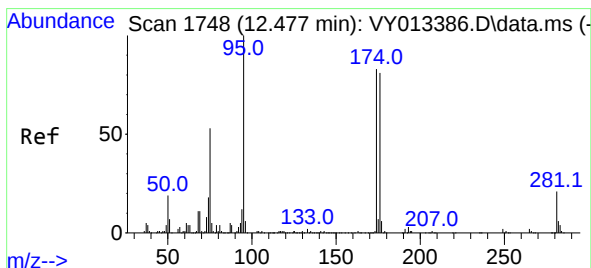
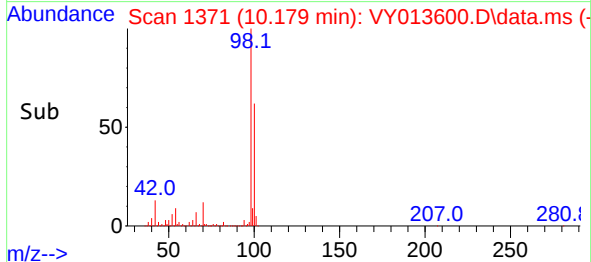
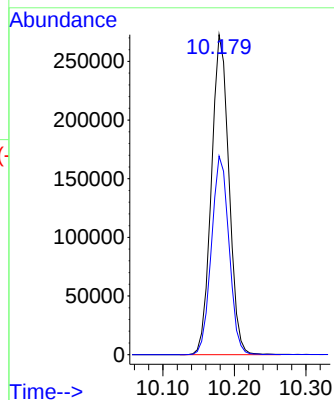
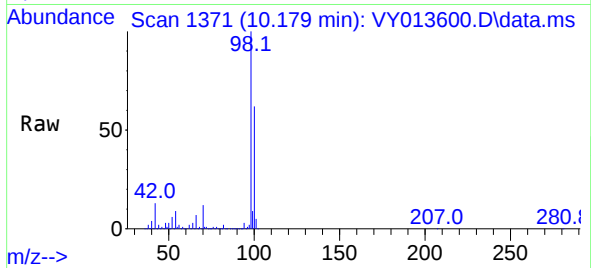




#50  
Toluene-d8  
Concen: 54.285 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

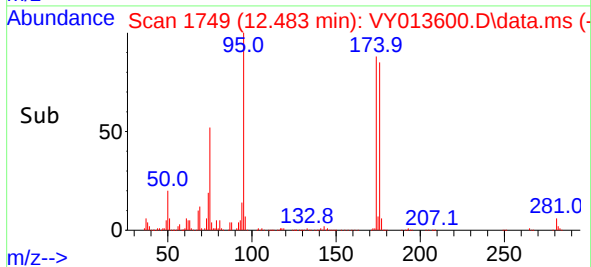
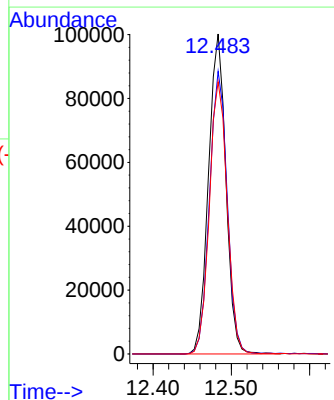
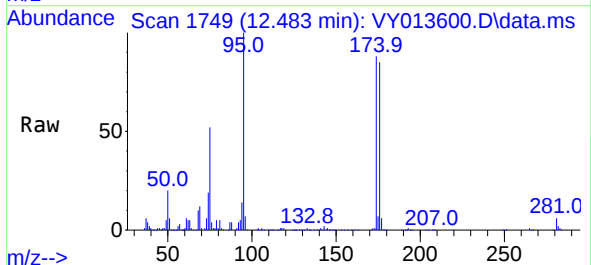
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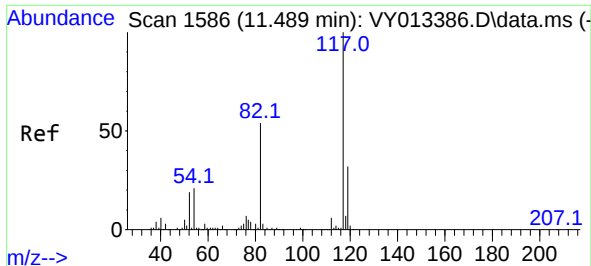
Tgt Ion: 98 Resp: 464098  
Ion Ratio Lower Upper  
98 100  
100 62.3 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 53.597 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 95 Resp: 154476  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 182.0  
176 87.2 0.0 175.4

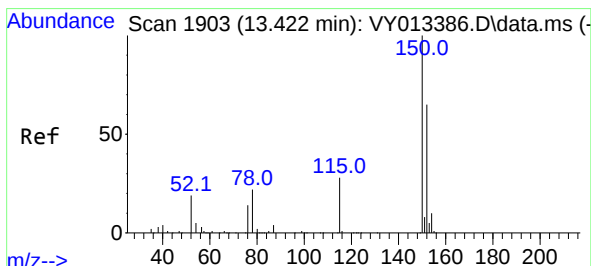
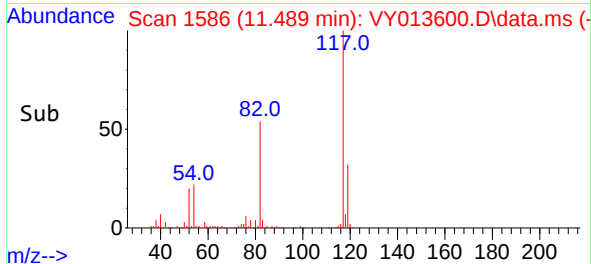
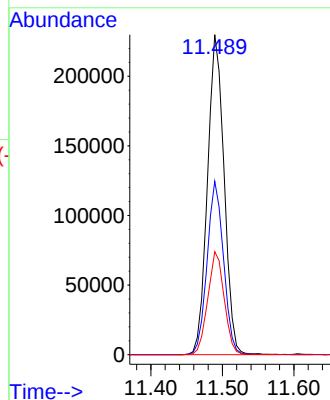
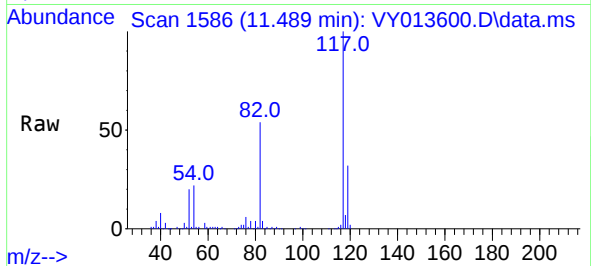




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

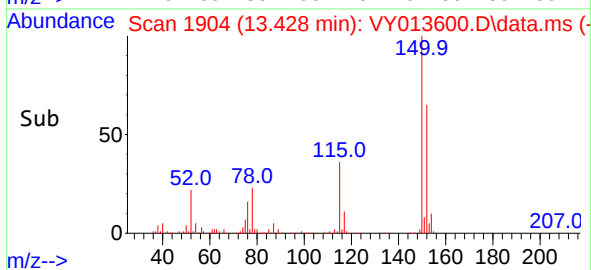
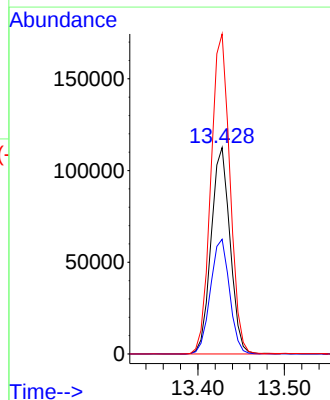
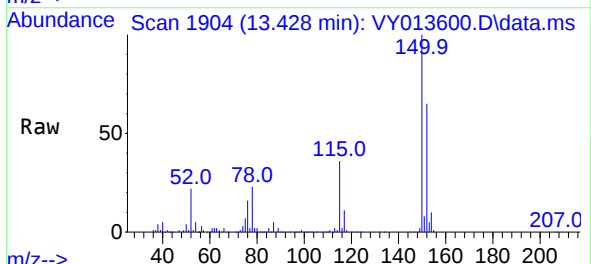
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

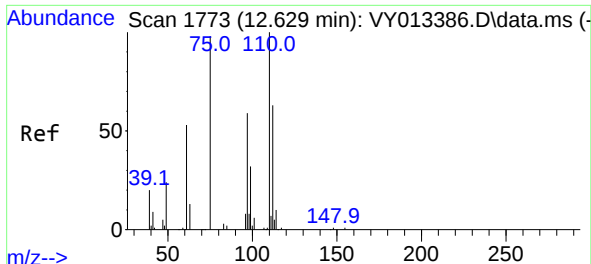
Tgt Ion:117 Resp: 371043  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.0 64.6  
119 32.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion:152 Resp: 170776  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.1 84.2  
150 156.2 0.0 352.0

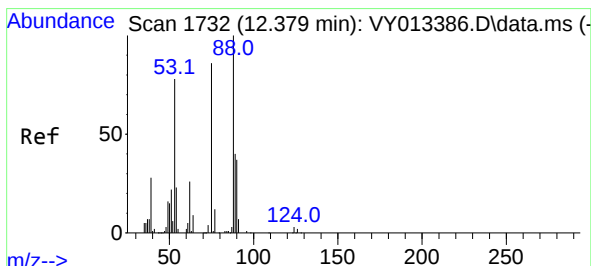
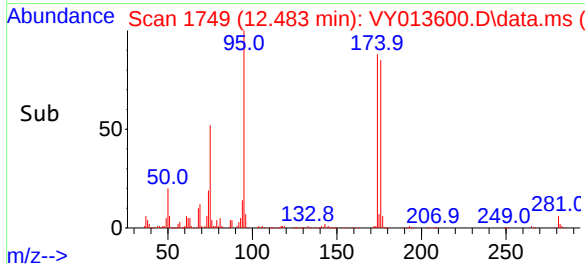
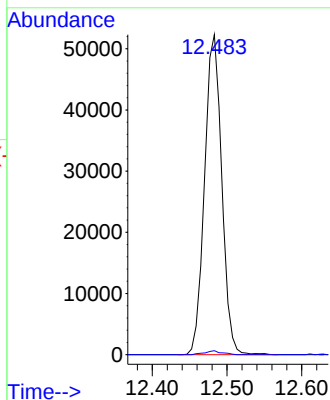
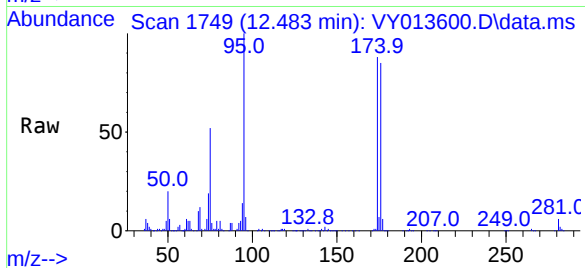




#76  
1,2,3-Trichloropropane  
Concen: 36.296 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 75 Resp: 83594  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.245 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 75 Resp: 83594  
Ion Ratio Lower Upper  
75 100  
53 0.4 73.2 109.8#  
89 0.0 38.0 57.0#

