

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060723\  
 Data File : VY014054.D  
 Acq On : 07 Jun 2023 12:58  
 Operator : KP/MD  
 Sample : 03029-10RE  
 Misc : 5.27g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-9

Quant Time: Jun 08 02:32:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

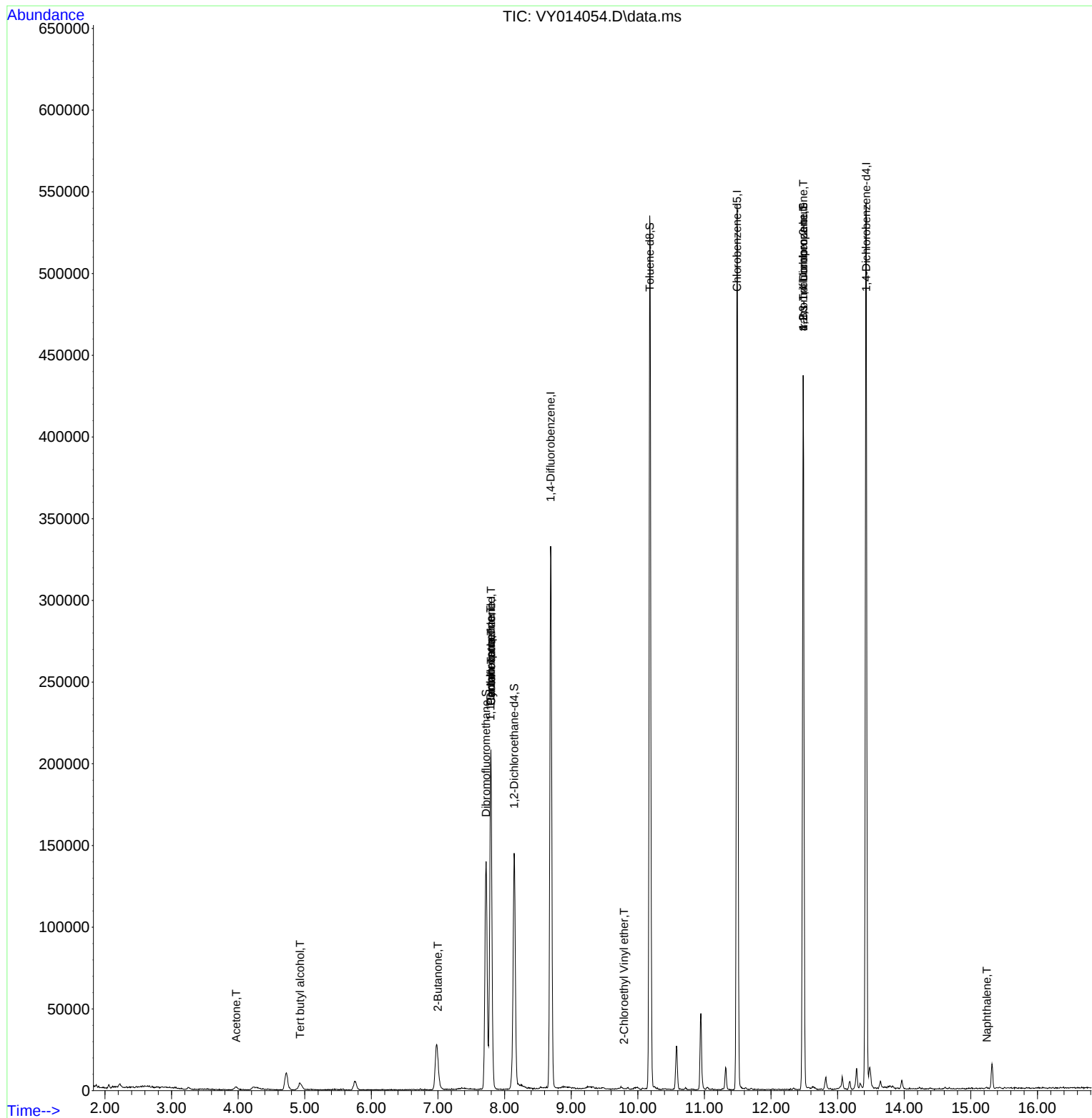
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 161028   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 277667   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 287759   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 135260   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 116230   | 54.526    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.060% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 95769    | 54.272    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.540% |          |
| 50) Toluene-d8                | 10.179 | 98    | 344804   | 51.227    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 102.460% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 117649   | 51.270    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 102.540% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.930  | 59    | 4232     | 9.660     | ug/l #     | 89       |
| 16) Acetone                   | 3.973  | 43    | 4127     | 5.659     | ug/l #     | 88       |
| 20) Methylene Chloride        | 4.716  | 84    | 7212     | Below Cal |            | 85       |
| 25) 2-Butanone                | 6.996  | 43    | 922      | 1.015     | ug/l #     | 74       |
| 31) Cyclohexane               | 7.795  | 56    | 3687     | 1.436     | ug/l #     | 32       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 12124    | 4.823     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 15070    | 5.349     | ug/l #     | 17       |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63    | 21       | 23.122    | ug/l #     | 48       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 65570    | 36.024    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 65570    | 76.425    | ug/l #     | 11       |
| 95) Naphthalene               | 15.239 | 128   | 668      | 3.978     | ug/l #     | 84       |
| -----                         |        |       |          |           |            |          |

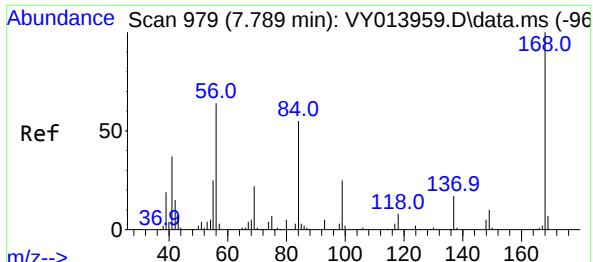
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060723\  
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Acq On : 07 Jun 2023 12:58  
Operator : KP/MD  
Sample : 03029-10RE  
Misc : 5.27g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

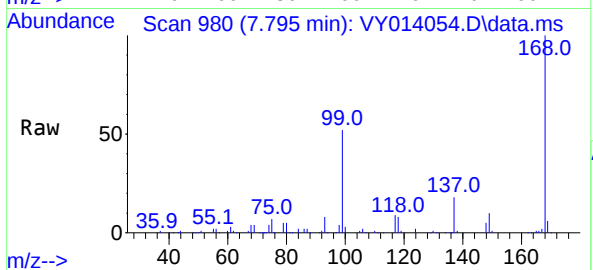
Quant Time: Jun 08 02:32:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 02 07:00:14 2023  
Response via : Initial Calibration



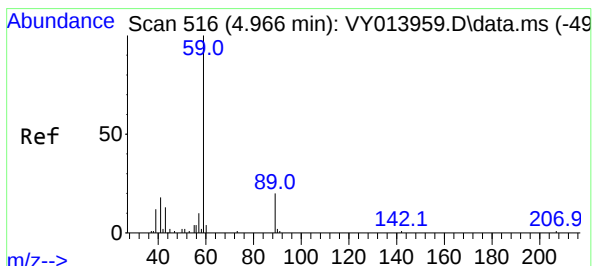
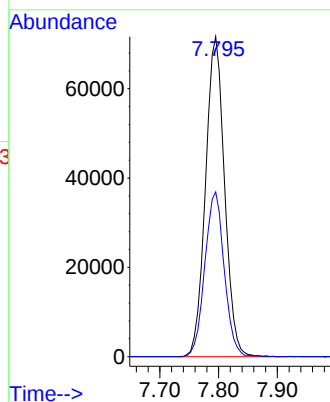
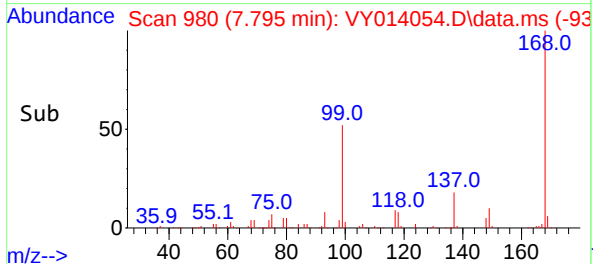


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

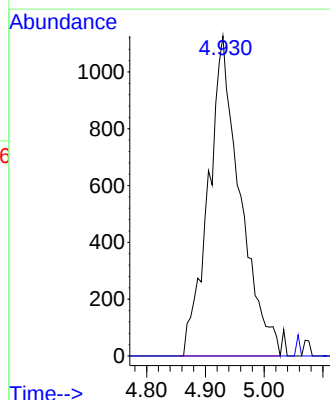
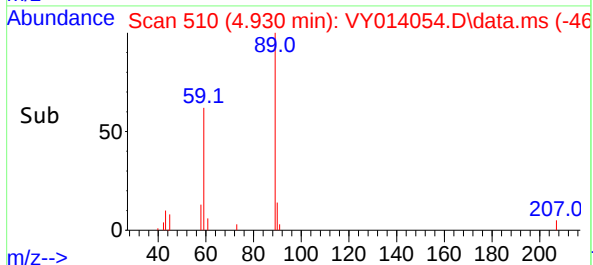
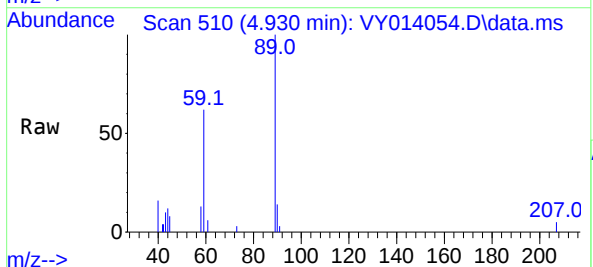


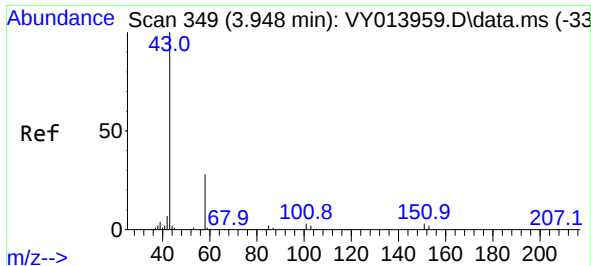
Tgt Ion:168 Resp: 161028  
Ion Ratio Lower Upper  
168 100  
99 51.5 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 9.660 ug/l  
RT: 4.930 min Scan# 510  
Delta R.T. -0.036 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 59 Resp: 4232  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

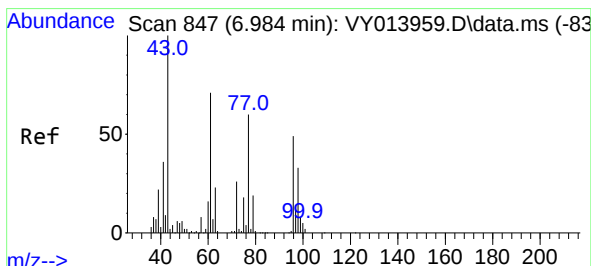
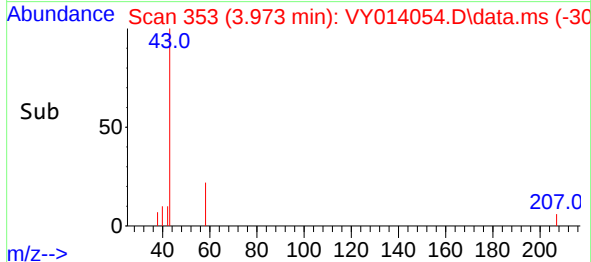
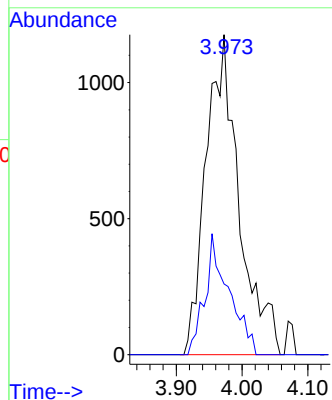
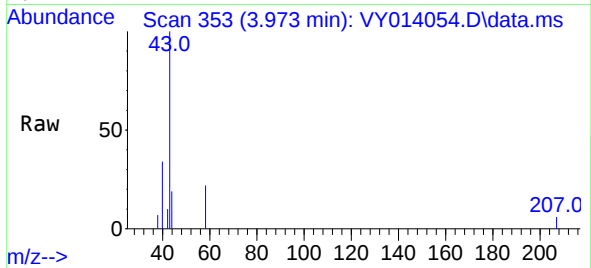




#16  
Acetone  
Concen: 5.659 ug/l  
RT: 3.973 min Scan# 349  
Delta R.T. 0.024 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

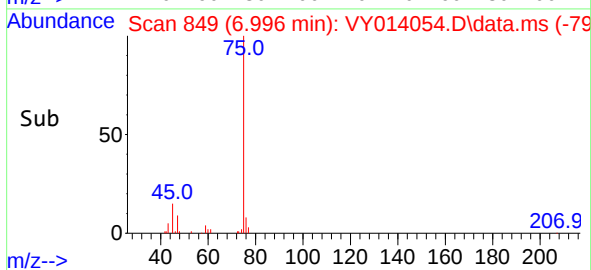
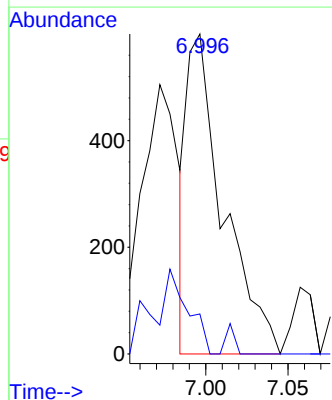
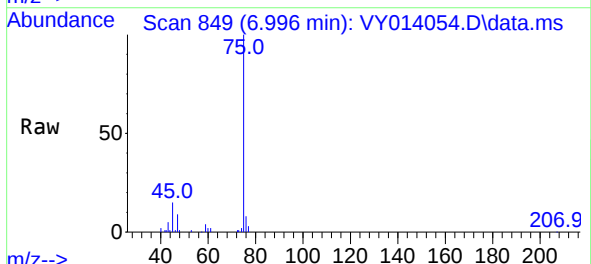
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

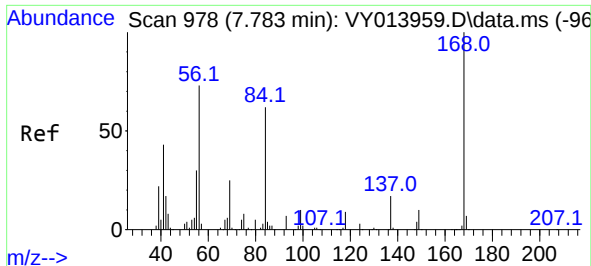
Tgt Ion: 43 Resp: 4127  
Ion Ratio Lower Upper  
43 100  
58 22.1 22.7 34.1#



#25  
2-Butanone  
Concen: 1.015 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.012 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 43 Resp: 922  
Ion Ratio Lower Upper  
43 100  
72 12.5 20.5 30.7#

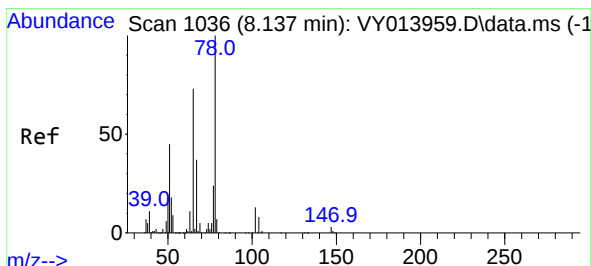
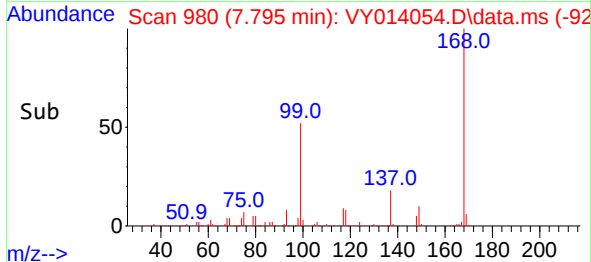
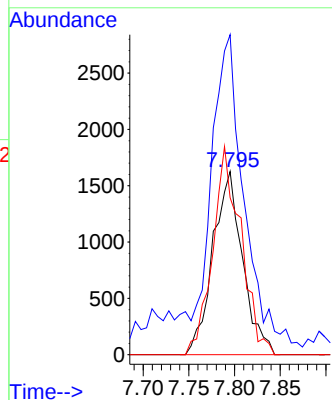
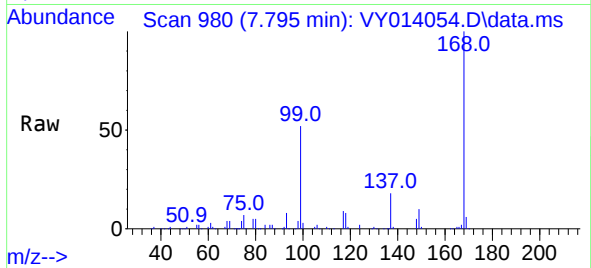




#31  
Cyclohexane  
Concen: 1.436 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

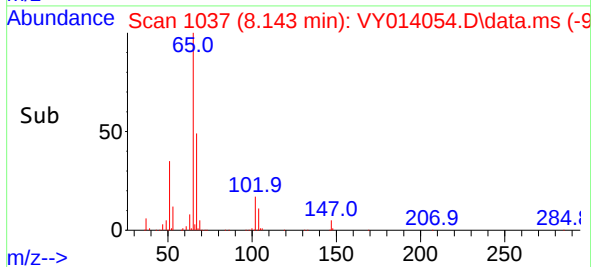
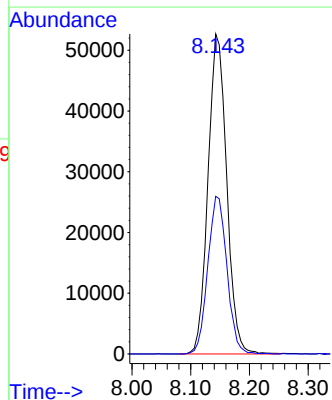
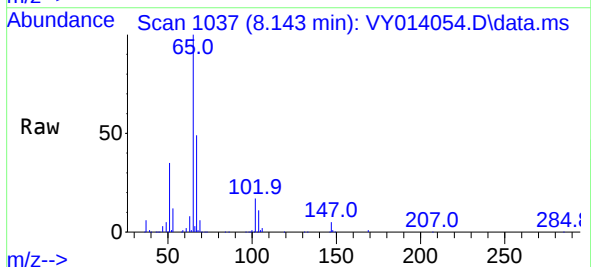
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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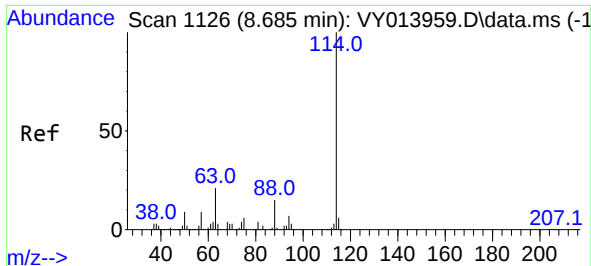
Tgt Ion: 56 Resp: 3687  
Ion Ratio Lower Upper  
56 100  
69 163.4 27.8 41.6#  
84 85.7 66.4 99.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.526 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 65 Resp: 116230  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014054.D

Acq: 07 Jun 2023 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP-9

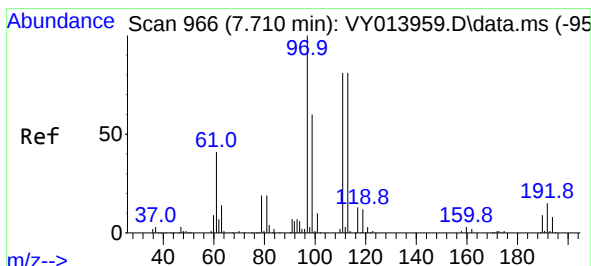
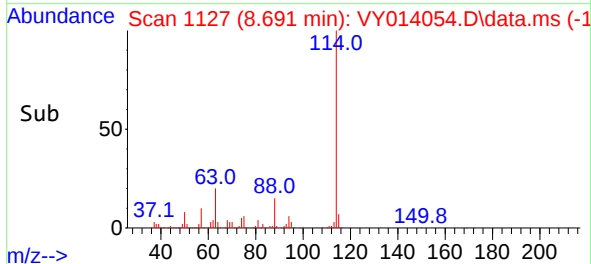
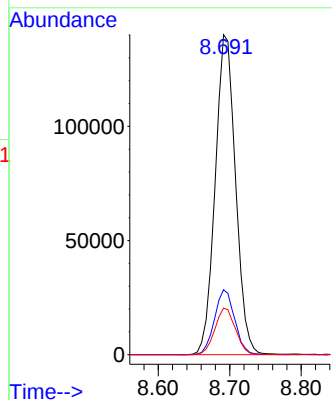
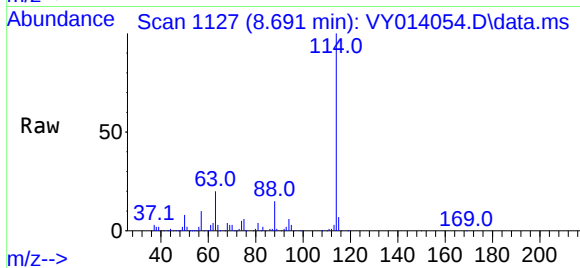
Tgt Ion:114 Resp: 277667

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.272 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY014054.D

Acq: 07 Jun 2023 12:58

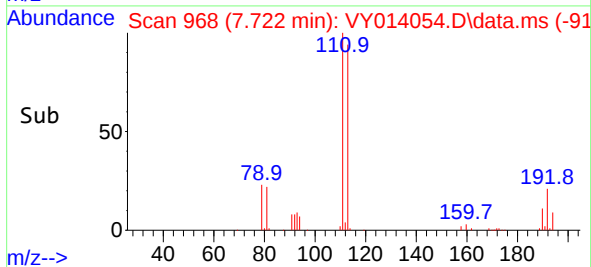
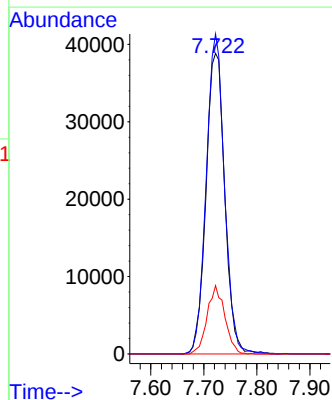
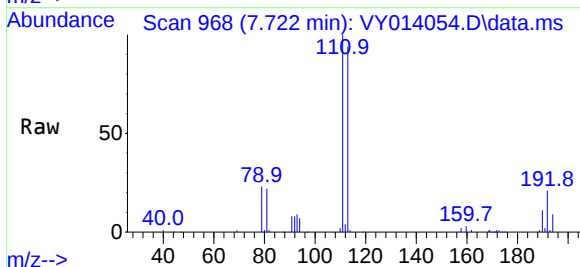
Tgt Ion:113 Resp: 95769

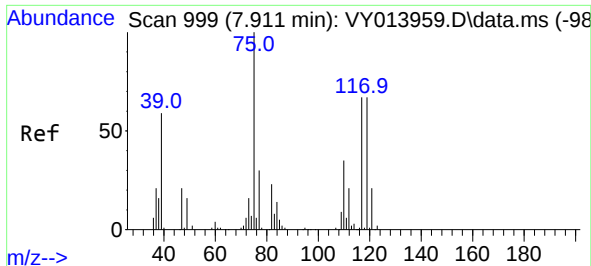
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 21.3 16.9 25.3

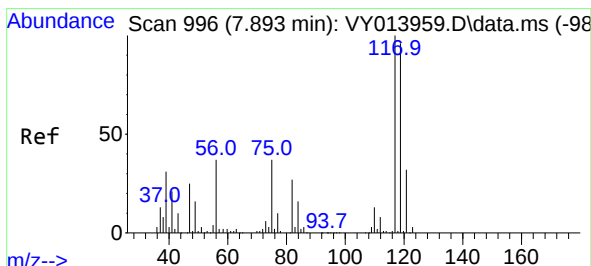
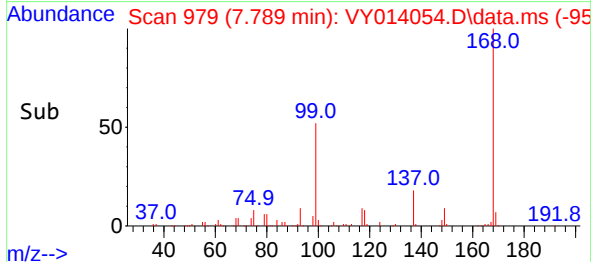
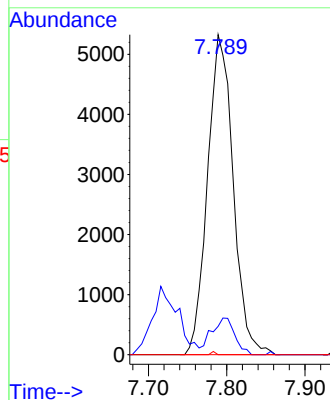
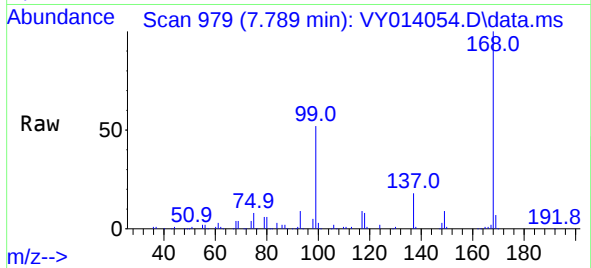




#36  
1,1-Dichloropropene  
Concen: 4.823 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

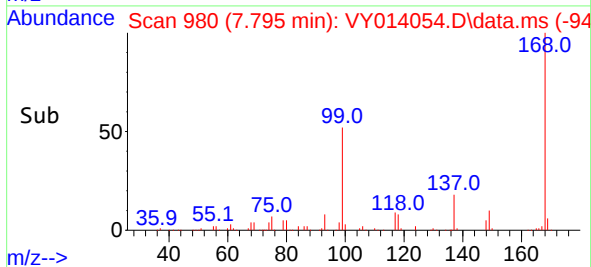
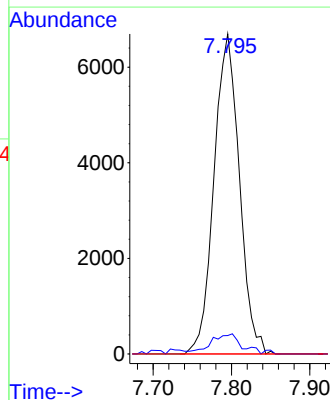
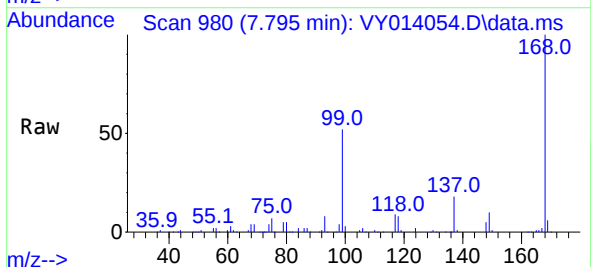
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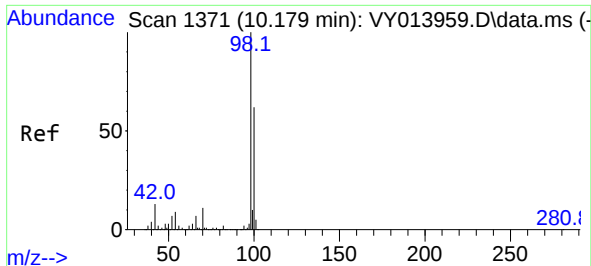
Tgt Ion: 75 Resp: 12124  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.8 53.5#  
77 0.2 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.349 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.098 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 117 Resp: 15070  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.4 114.6#  
121 0.0 25.8 38.6#

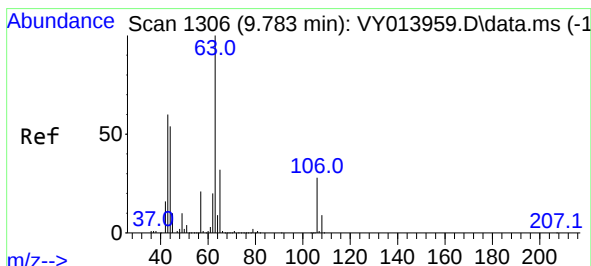
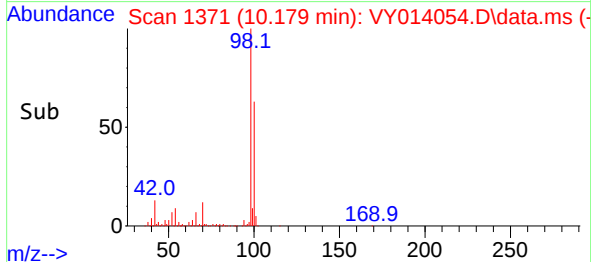
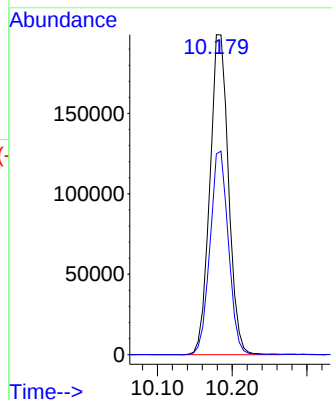
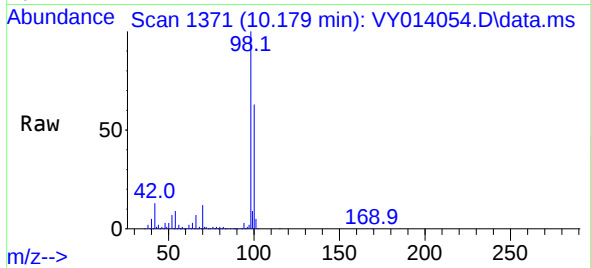




#50  
Toluene-d8  
Concen: 51.227 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

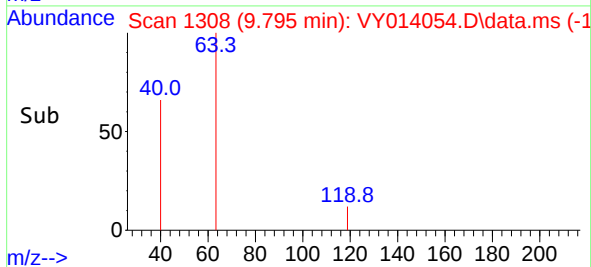
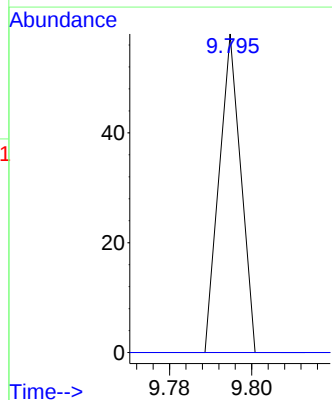
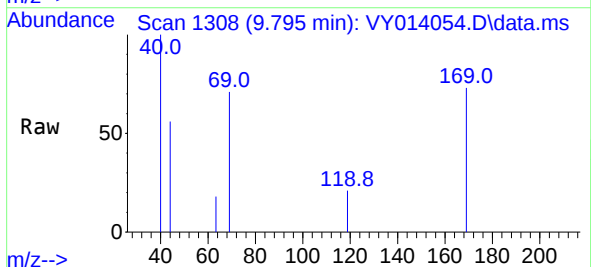
Instrument : MSVOA\_Y  
ClientSampleId : TP-9

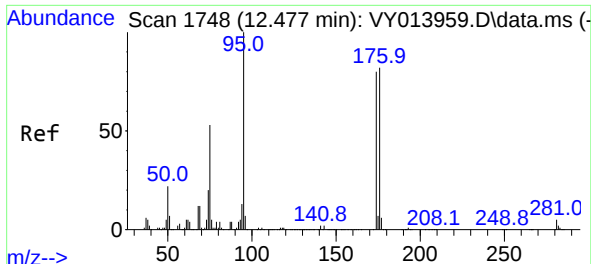
Tgt Ion: 98 Resp: 344804  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.1 75.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 23.122 ug/l  
RT: 9.795 min Scan# 1308  
Delta R.T. 0.012 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 63 Resp: 21  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.2 31.8

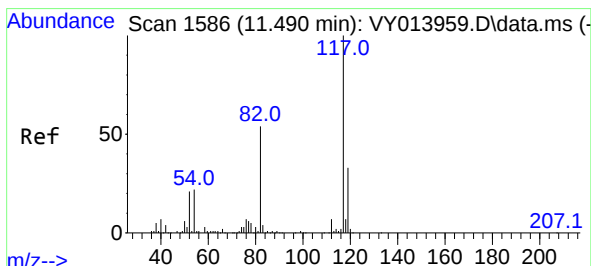
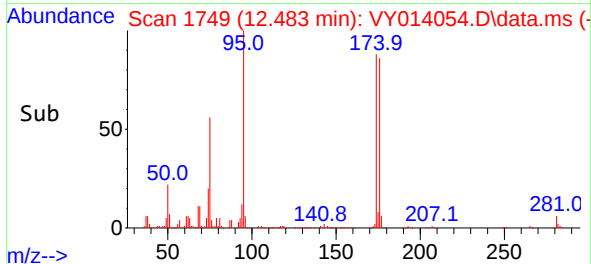
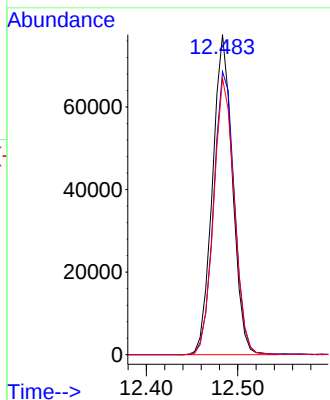
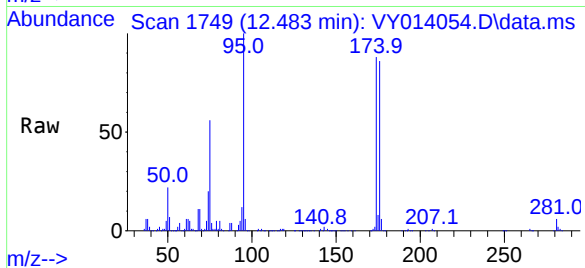




#62  
4-Bromofluorobenzene  
Concen: 51.270 ug/l  
RT: 12.483 min Scan# 117649  
Delta R.T. 0.006 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

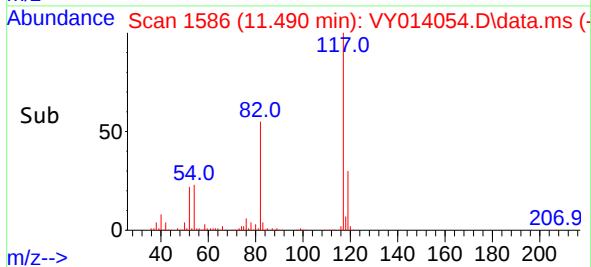
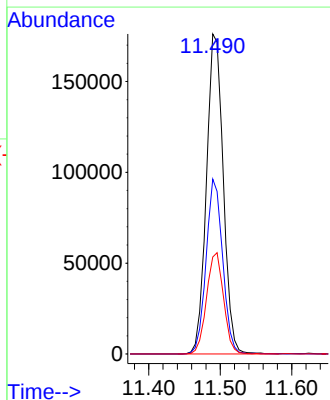
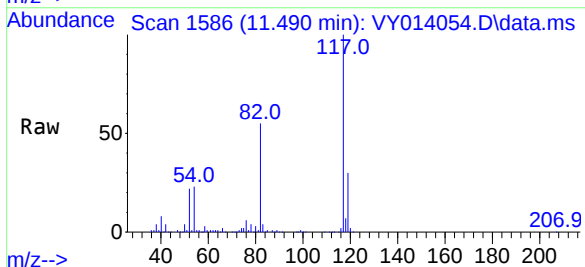
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

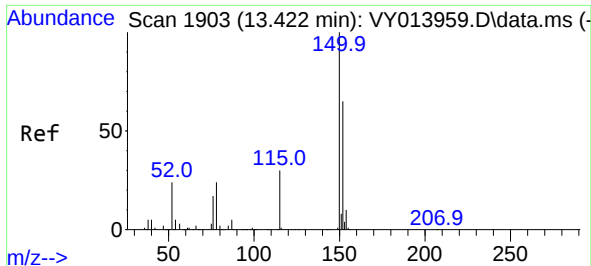
Tgt Ion: 95 Resp: 117649  
Ion Ratio Lower Upper  
95 100  
174 92.2 0.0 178.2  
176 89.1 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion: 117 Resp: 287759  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.4 65.0  
119 30.3 26.3 39.5

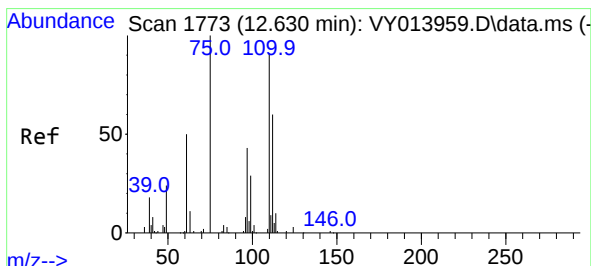
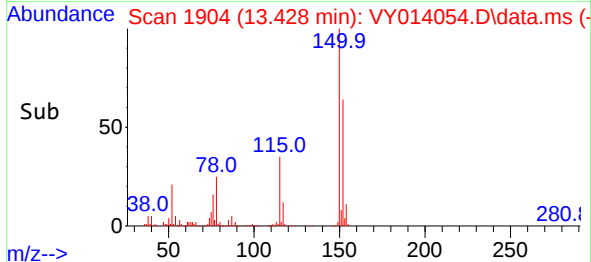
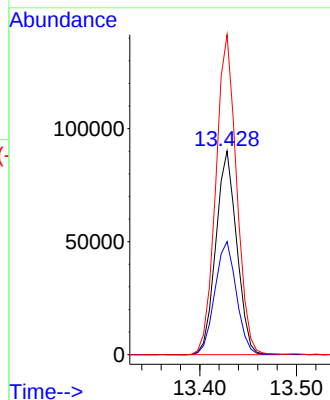
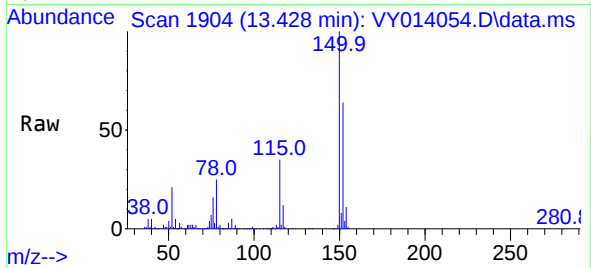




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY014054.D  
 Acq: 07 Jun 2023 12:58

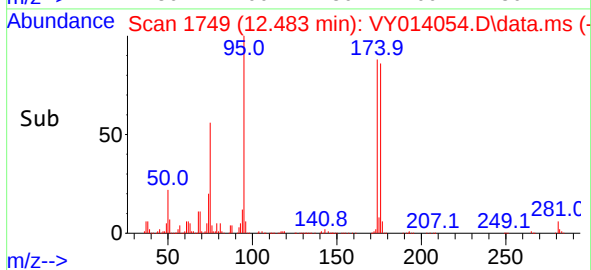
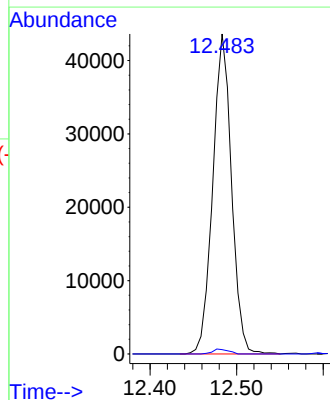
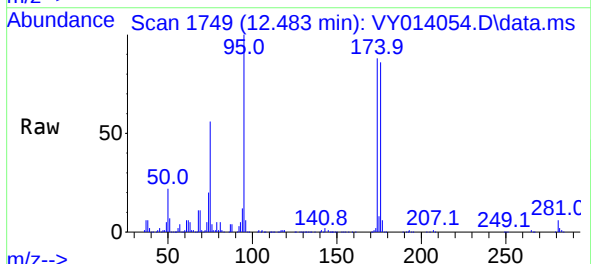
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-9

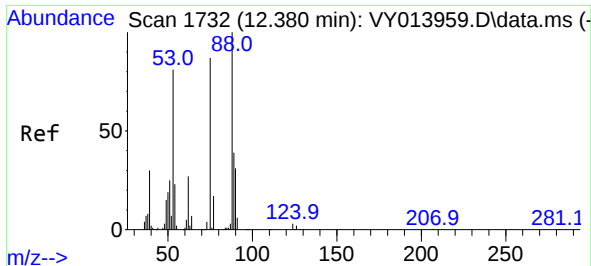
Tgt Ion:152 Resp: 135260  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 28.8 86.5  
 150 156.0 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 36.024 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY014054.D  
 Acq: 07 Jun 2023 12:58

Tgt Ion: 75 Resp: 65570  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

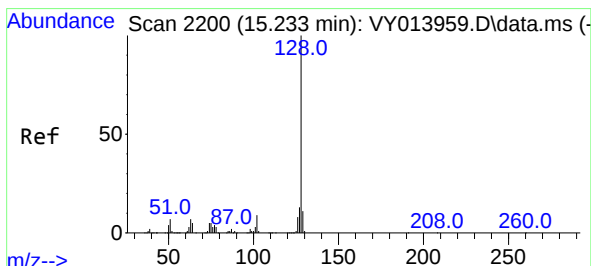
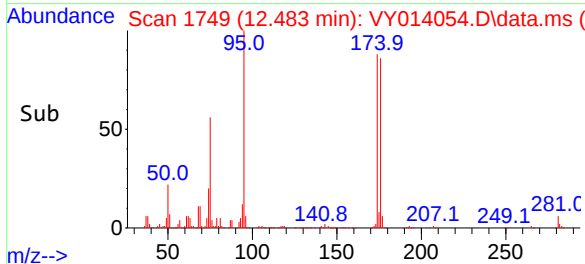
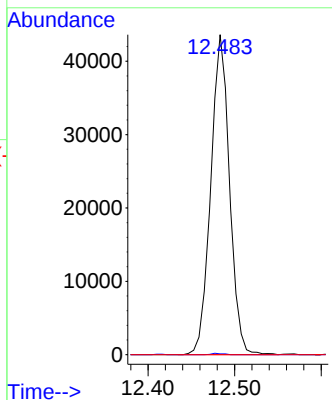
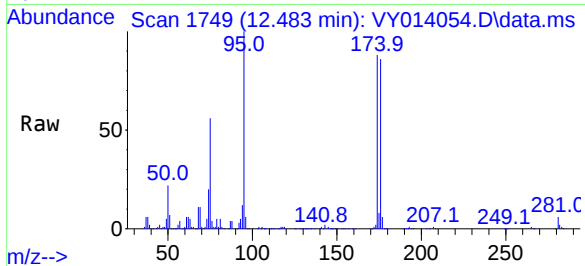




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.425 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

Tgt Ion: 75 Resp: 65570  
Ion Ratio Lower Upper  
75 100  
53 0.2 77.8 116.8#  
89 0.0 37.4 56.0#



#95  
Naphthalene  
Concen: 3.978 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY014054.D  
Acq: 07 Jun 2023 12:58

Tgt Ion:128 Resp: 668  
Ion Ratio Lower Upper  
128 100  
127 11.2 10.8 16.2  
129 0.0 8.6 13.0#

