

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060623\  
 Data File : VY014032.D  
 Acq On : 06 Jun 2023 15:49  
 Operator : KP/MD  
 Sample : 03039-13  
 Misc : 5.96g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-10

Quant Time: Jun 07 01:39:21 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

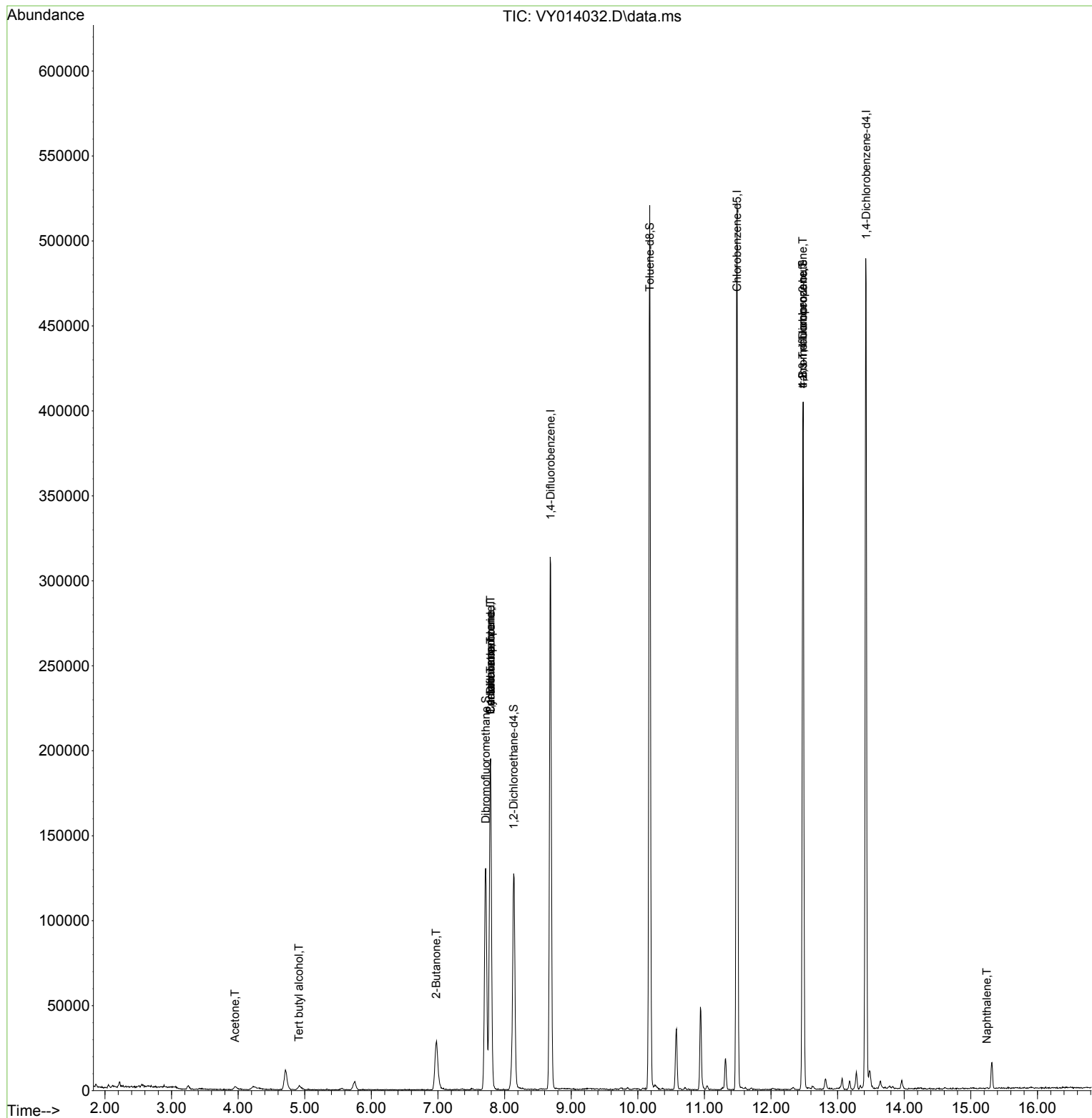
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 150306   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 258972   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 274890   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 124682   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 101027   | 50.775   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 101.540% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 90125    | 54.761   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 109.520% |          |
| 50) Toluene-d8                | 10.179    | 98    | 328696   | 52.359   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 104.720% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 111973   | 52.319   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 104.640% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.911     | 59    | 1292     | 3.160    | ug/l #     | 89       |
| 16) Acetone                   | 3.954     | 43    | 3997     | 5.872    | ug/l       | 100      |
| 25) 2-Butanone                | 6.972     | 43    | 1931     | 2.277    | ug/l #     | 49       |
| 31) Cyclohexane               | 7.789     | 56    | 3588     | 1.498    | ug/l #     | 5        |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 11455    | 4.885    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 14858    | 5.655    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 60522    | 36.071   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 60522    | 76.526   | ug/l #     | 11       |
| 95) Naphthalene               | 15.239    | 128   | 238      | 3.918    | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

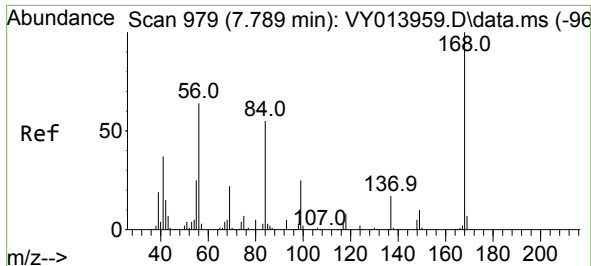
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

Quant Time: Jun 07 01:39:21 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

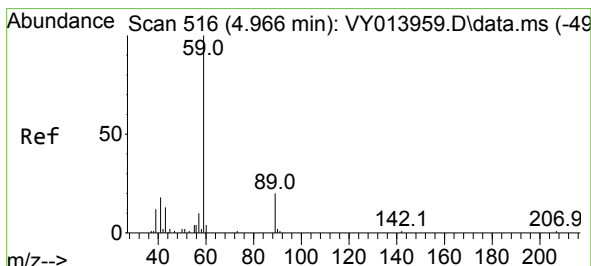
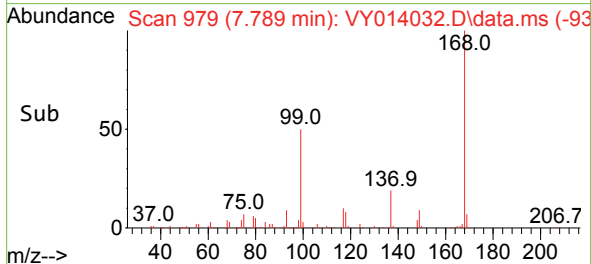
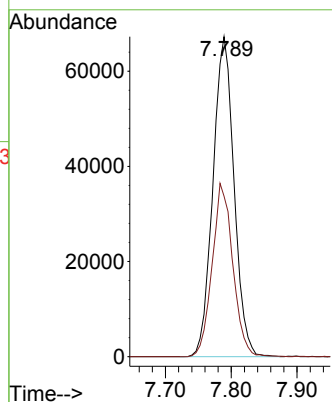
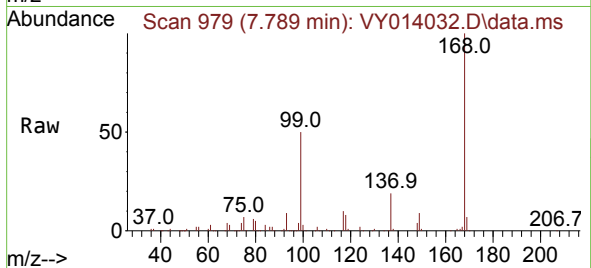




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

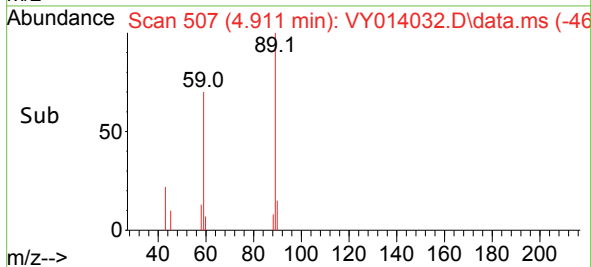
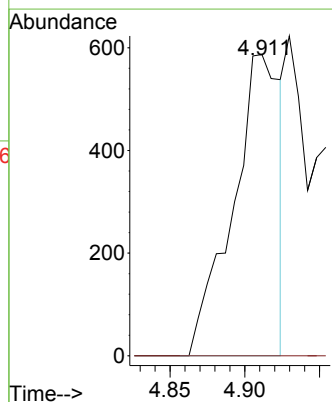
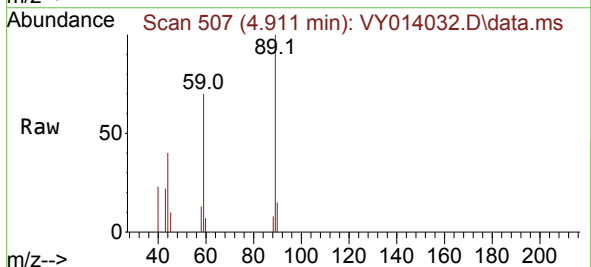
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

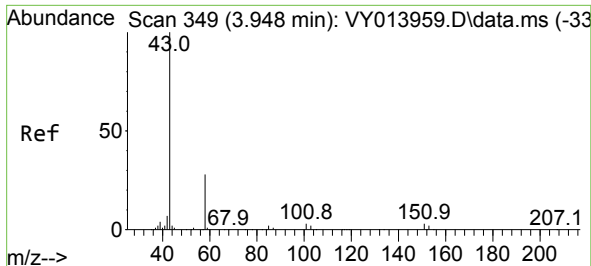
Tgt Ion:168 Resp: 150306  
Ion Ratio Lower Upper  
168 100  
99 50.1 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 3.160 ug/l  
RT: 4.911 min Scan# 507  
Delta R.T. -0.055 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion: 59 Resp: 1292  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

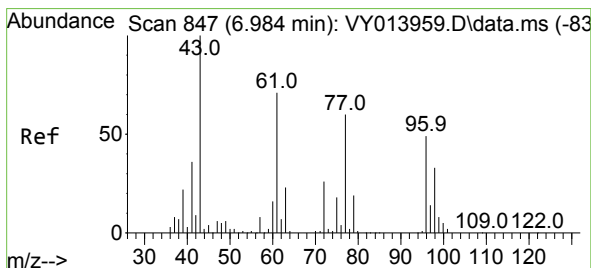
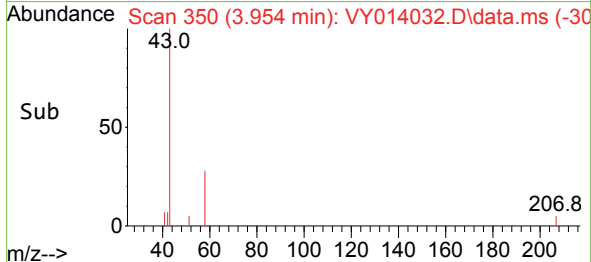
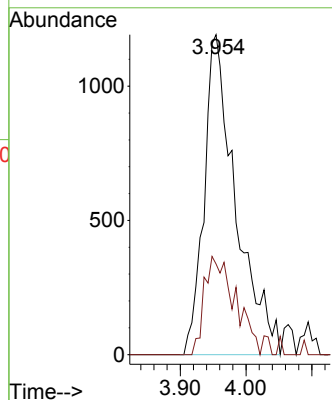
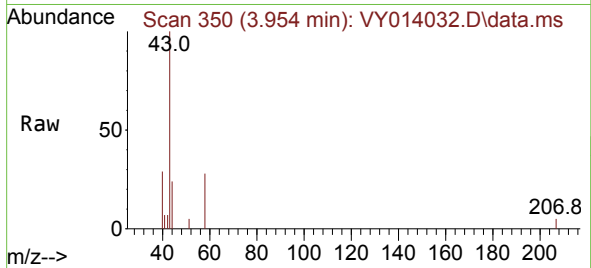




#16  
Acetone  
Concen: 5.872 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

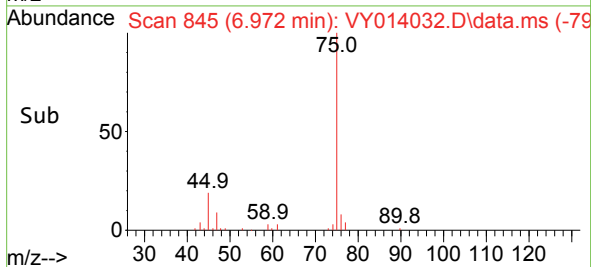
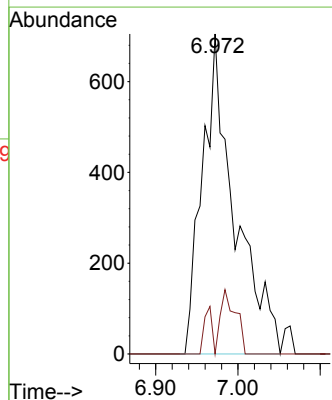
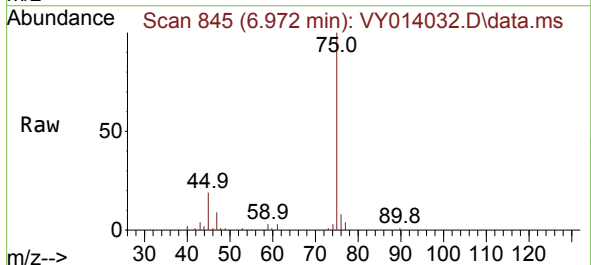
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

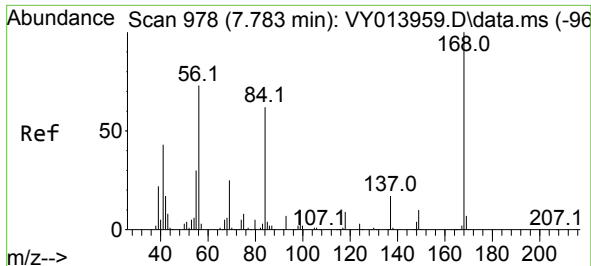
Tgt Ion: 43 Resp: 3997  
Ion Ratio Lower Upper  
43 100  
58 28.4 22.7 34.1



#25  
2-Butanone  
Concen: 2.277 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion: 43 Resp: 1931  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 30.7#

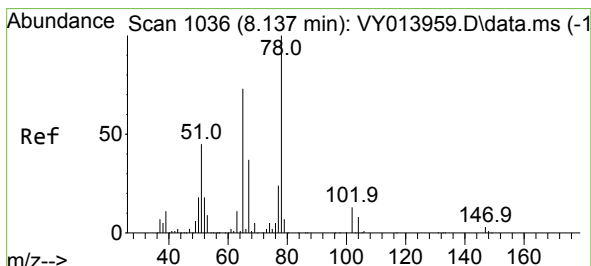
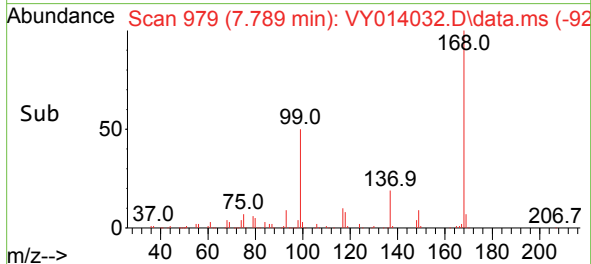
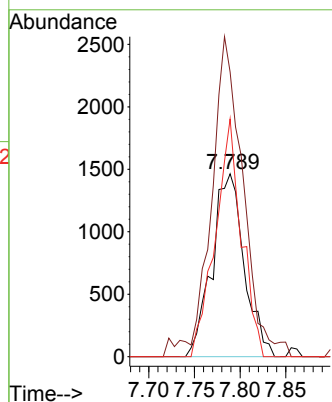
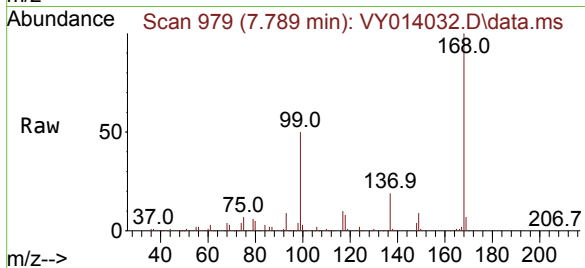




#31  
Cyclohexane  
Concen: 1.498 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

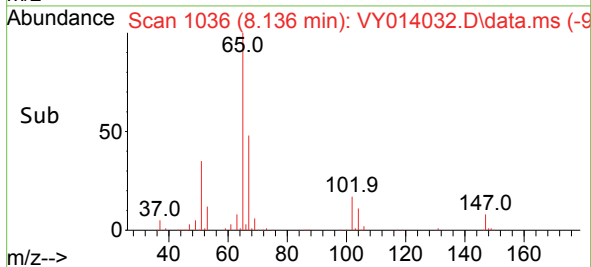
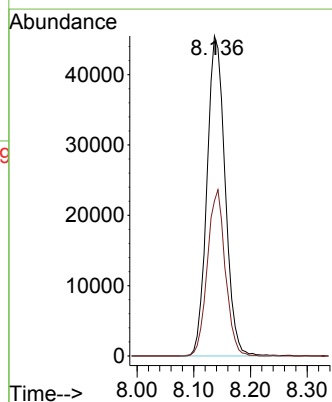
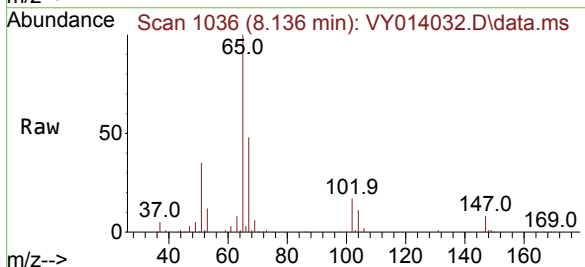
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

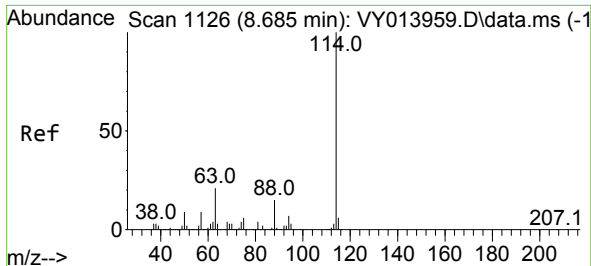
Tgt Ion: 56 Resp: 3588  
Ion Ratio Lower Upper  
56 100  
69 147.8 27.8 41.6#  
84 130.1 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 50.775 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion: 65 Resp: 101027  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 101.8

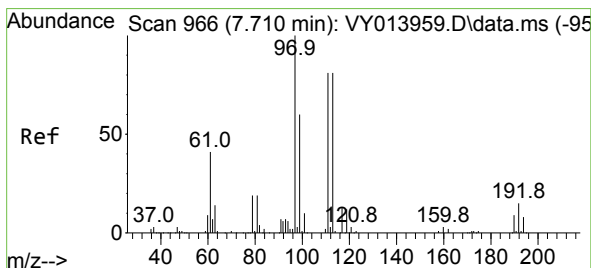
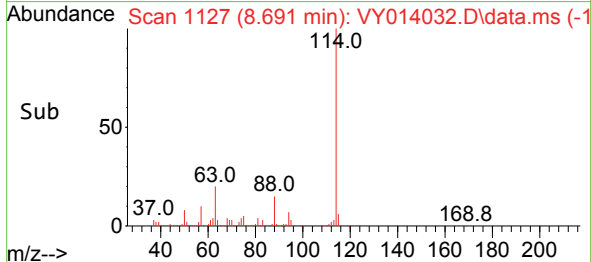
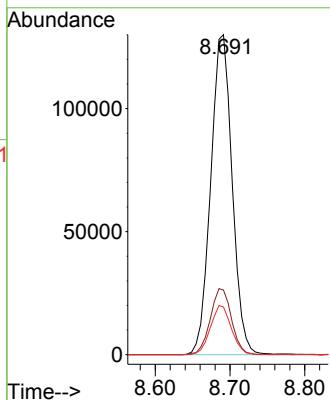
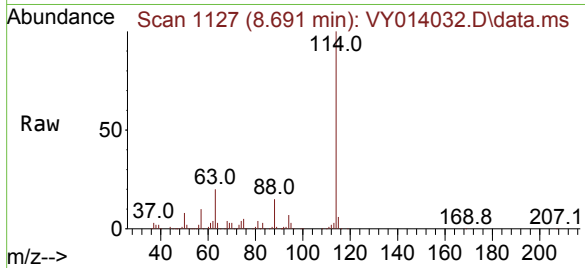




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

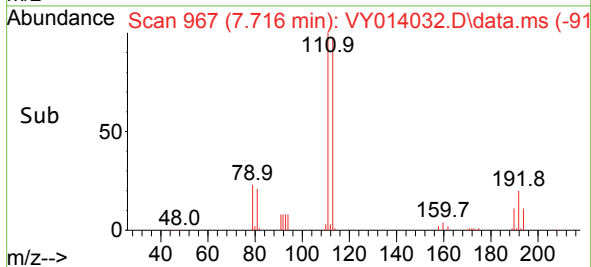
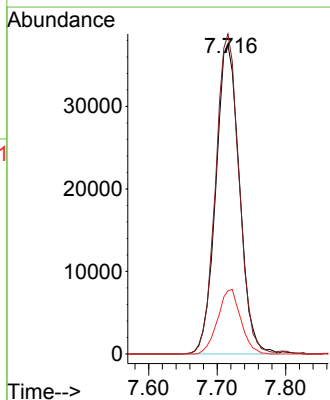
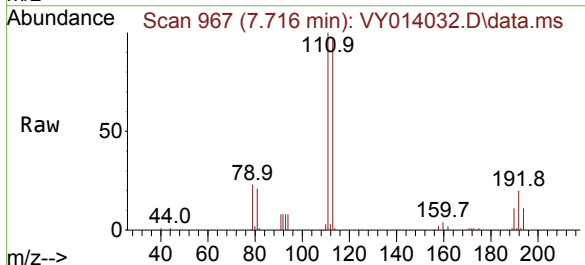
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

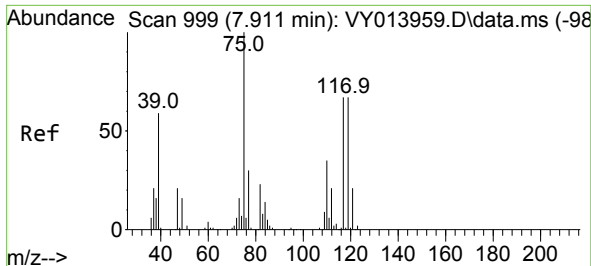
Tgt Ion:114 Resp: 258972  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 42.4  
88 14.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.761 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion:113 Resp: 90125  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 20.2 16.9 25.3

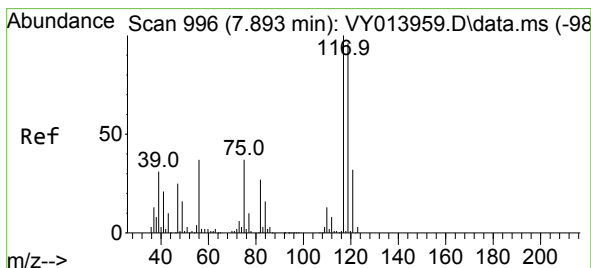
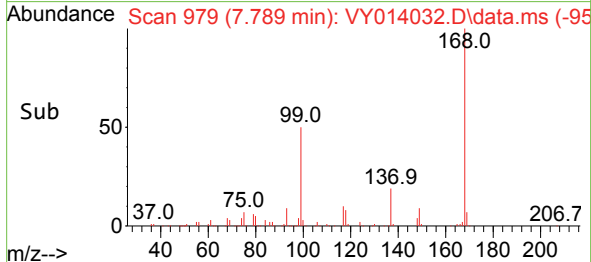
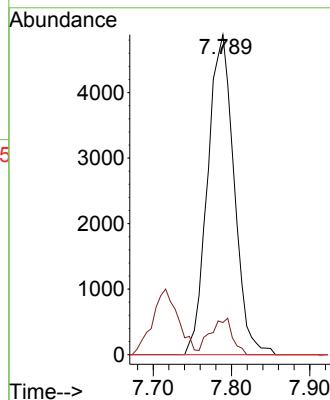
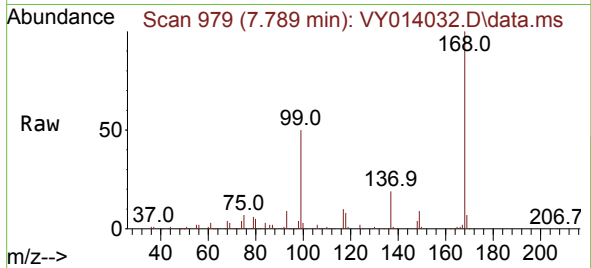




#36  
1,1-Dichloropropene  
Concen: 4.885 ug/l  
RT: 7.789 min Scan# 919  
Delta R.T. -0.122 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

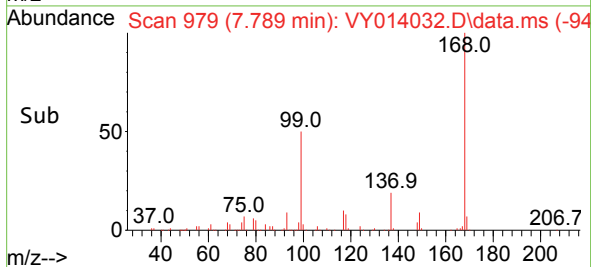
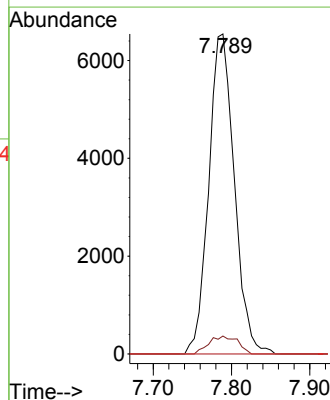
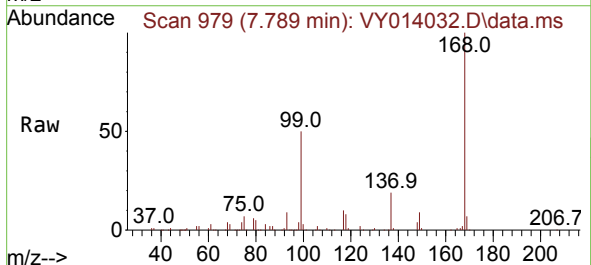
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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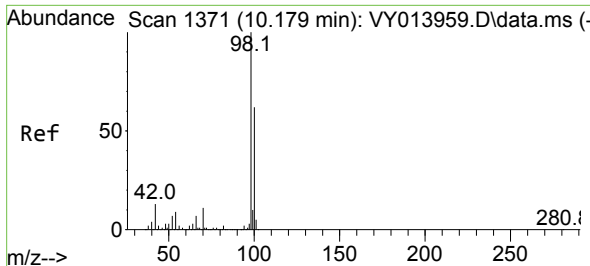
Tgt Ion: 75 Resp: 11455  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.655 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.104 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion: 117 Resp: 14858  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.4 114.6#  
121 0.0 25.8 38.6#

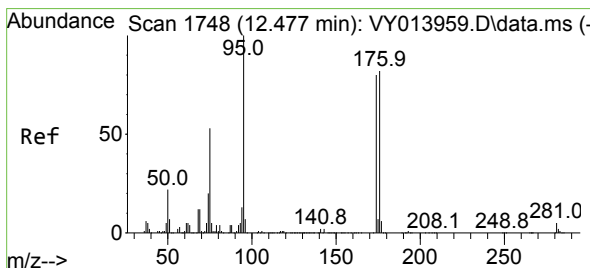
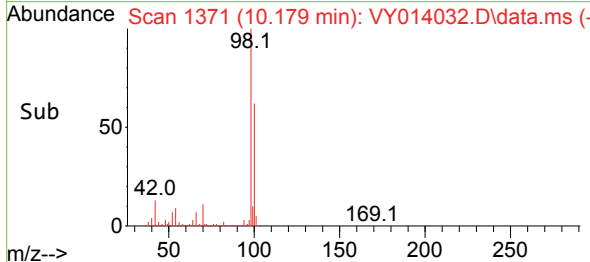
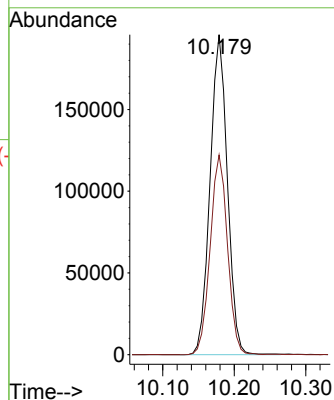
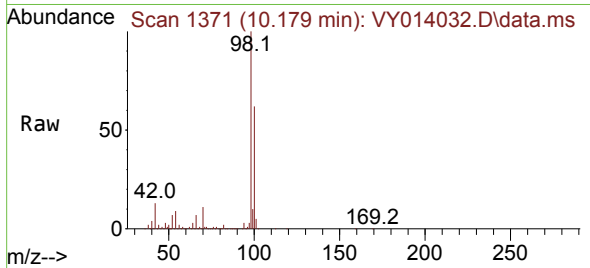




#50  
Toluene-d8  
Concen: 52.359 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

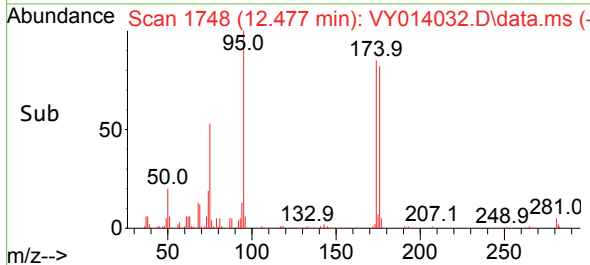
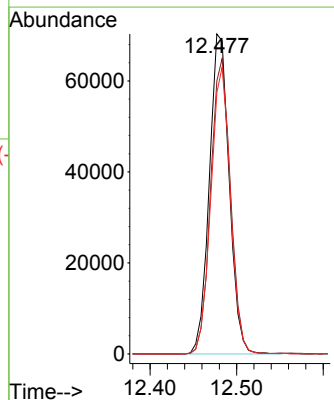
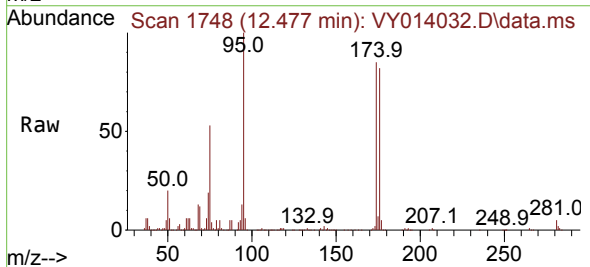
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion: 98 Resp: 328696  
Ion Ratio Lower Upper  
98 100  
100 62.4 50.1 75.1

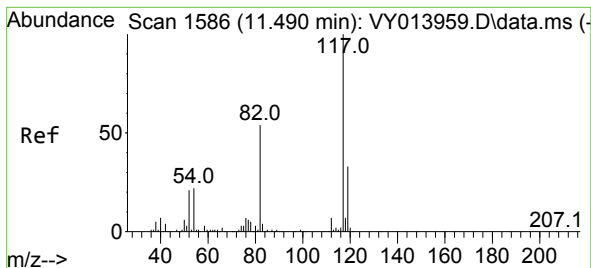


#62  
4-Bromofluorobenzene  
Concen: 52.319 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion: 95 Resp: 111973  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 178.2  
176 88.4 0.0 173.8



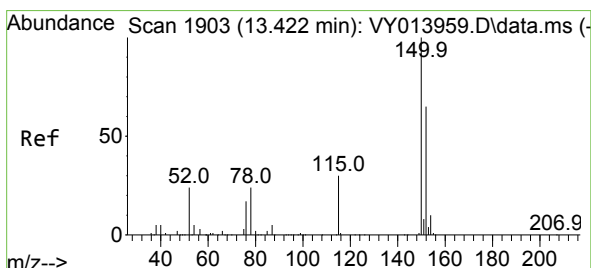
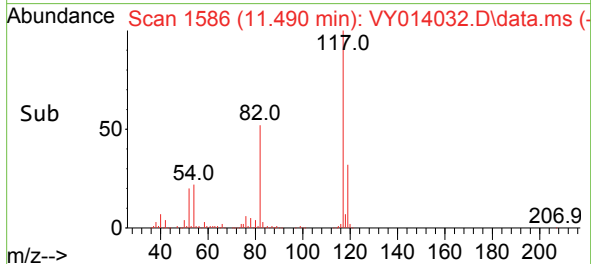
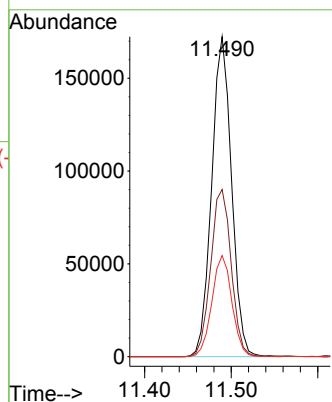
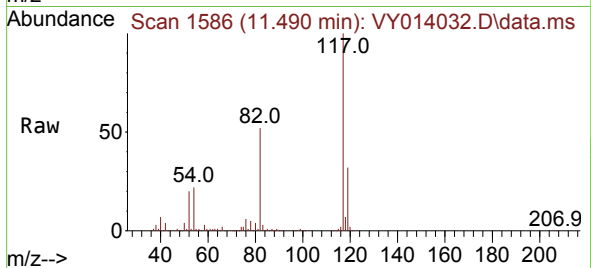




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

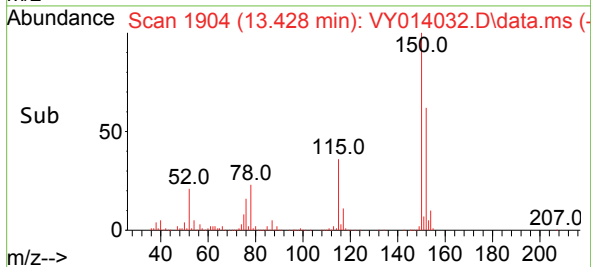
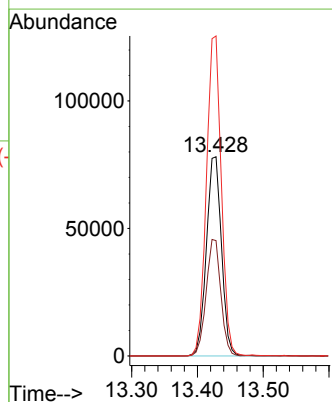
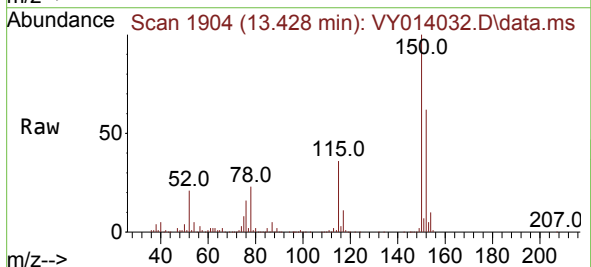
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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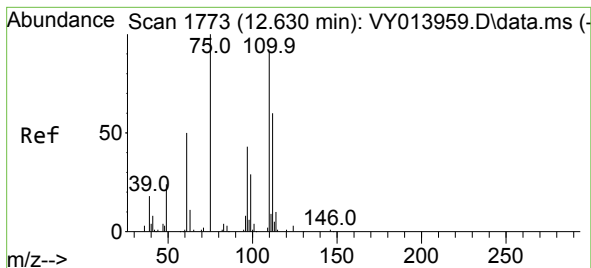
Tgt Ion:117 Resp: 274890  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.4 65.0  
119 31.6 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Tgt Ion:152 Resp: 124682  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.8 86.5  
150 158.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.071 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014032.D

Acq: 06 Jun 2023 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

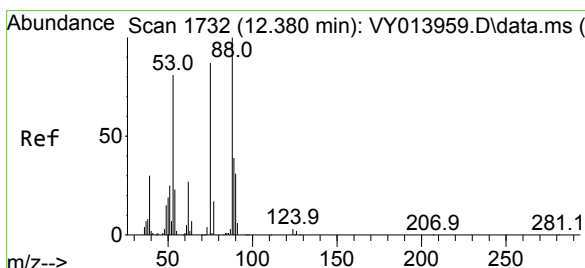
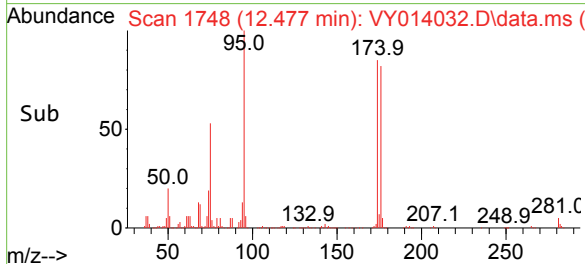
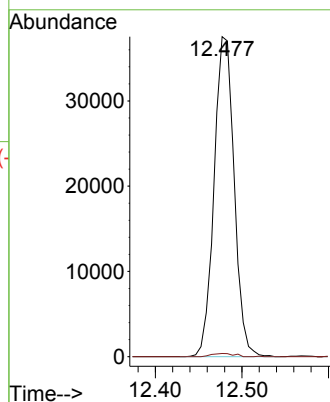
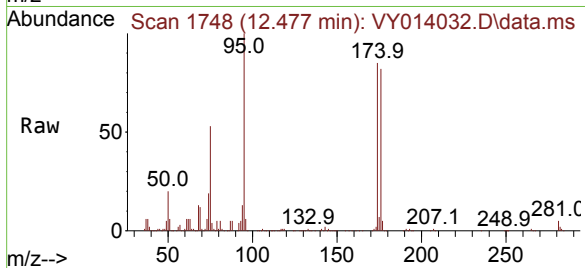
TP-10

Tgt Ion: 75 Resp: 60522

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.526 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY014032.D

Acq: 06 Jun 2023 15:49

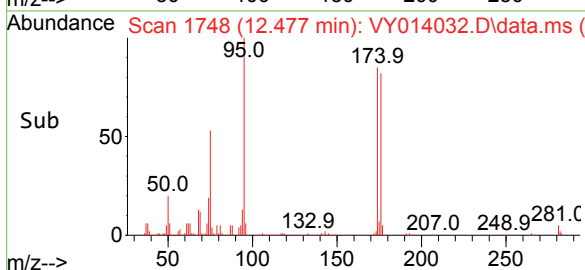
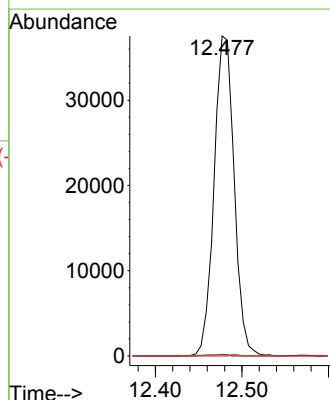
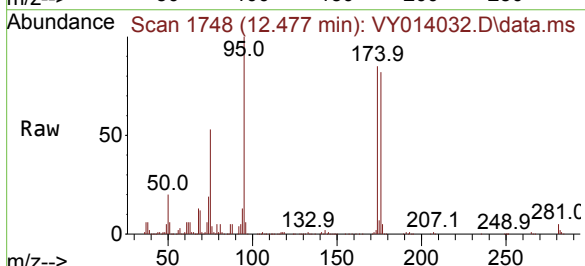
Tgt Ion: 75 Resp: 60522

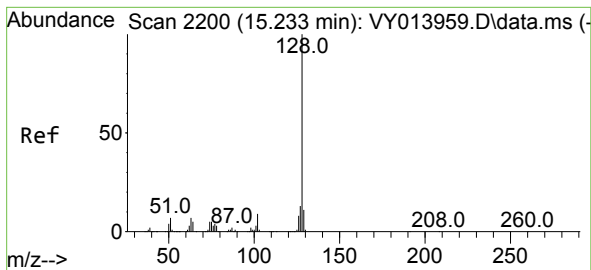
Ion Ratio Lower Upper

75 100

53 0.5 77.8 116.8#

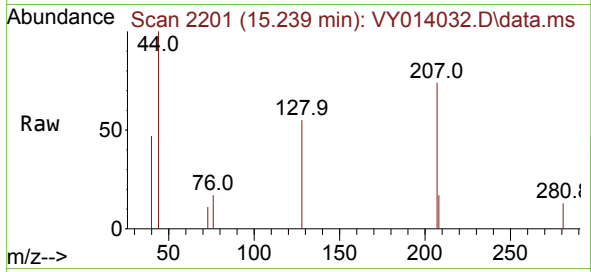
89 0.2 37.4 56.0#





#95  
Naphthalene  
Concen: 3.918 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY014032.D  
Acq: 06 Jun 2023 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 238   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.8  | 16.2# |
| 129      | 0.0   | 8.6   | 13.0# |

