

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091223\  
 Data File : VY015510.D  
 Acq On : 12 Sep 2023 16:11  
 Operator : SY/MD  
 Sample : 04395-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 13 05:54:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

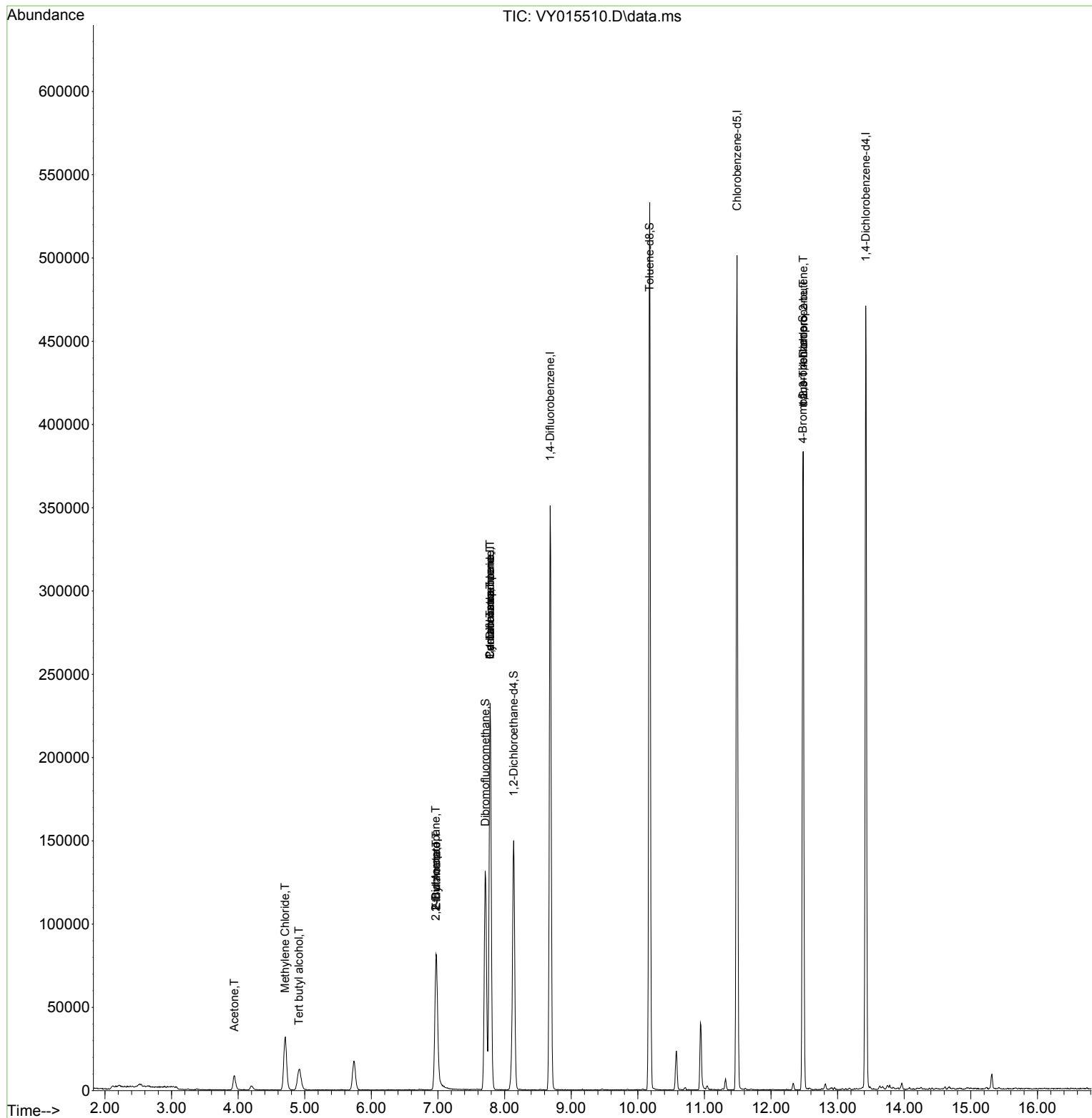
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.782  | 168   | 181696   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 300887   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 262187   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 119160   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 111626   | 57.310   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 114.620% |          |
| 35) Dibromofluoromethane      | 7.709  | 113   | 93873    | 54.166   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 108.340% |          |
| 50) Toluene-d8                | 10.178 | 98    | 346464   | 55.205   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 110.400% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 113330   | 48.642   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 97.280%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.911  | 59    | 13439    | 14.859   | ug/l #     | 91       |
| 16) Acetone                   | 3.942  | 43    | 15477    | 19.037   | ug/l       | 99       |
| 20) Methylene Chloride        | 4.704  | 84    | 25071    | 3.906    | ug/l #     | 83       |
| 25) 2-Butanone                | 6.972  | 43    | 4510     | 3.911    | ug/l #     | 75       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 6453     | 2.090    | ug/l #     | 54       |
| 31) Cyclohexane               | 7.782  | 56    | 3833     | 1.108    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.782  | 75    | 14136    | 4.645    | ug/l #     | 49       |
| 37) Ethyl Acetate             | 6.972  | 43    | 4510     | 1.922    | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.782  | 117   | 18097    | 5.758    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 59974    | 37.954   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 59974    | 83.722   | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

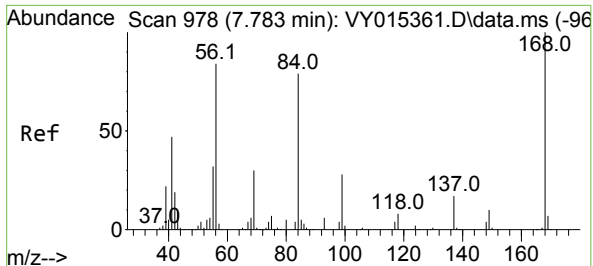
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

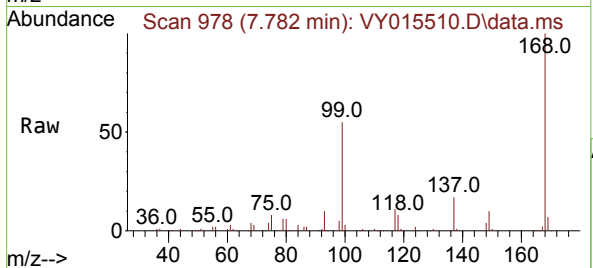
Quant Time: Sep 13 05:54:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration



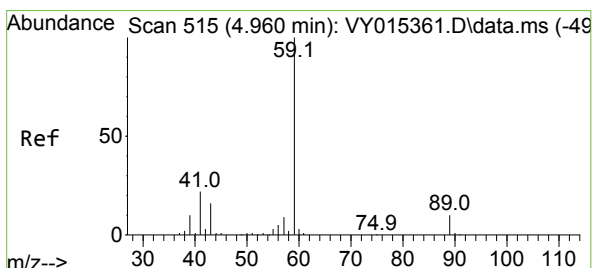
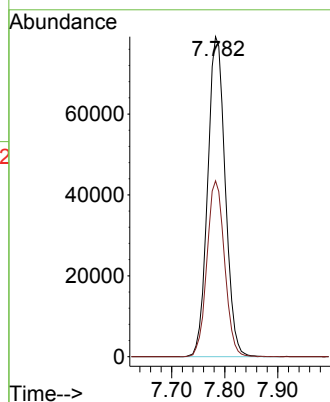
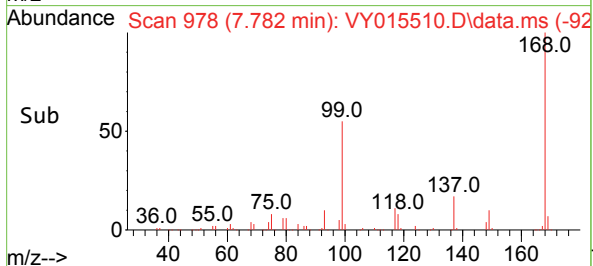


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

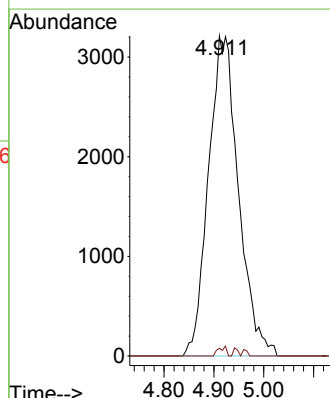
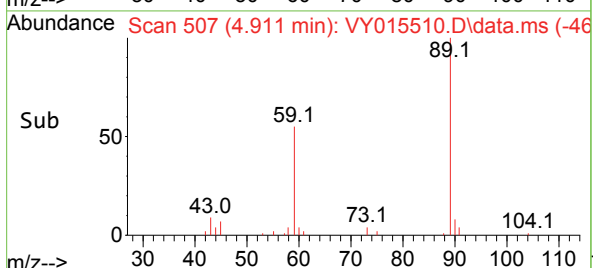
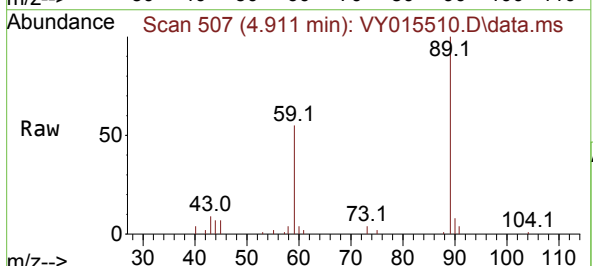


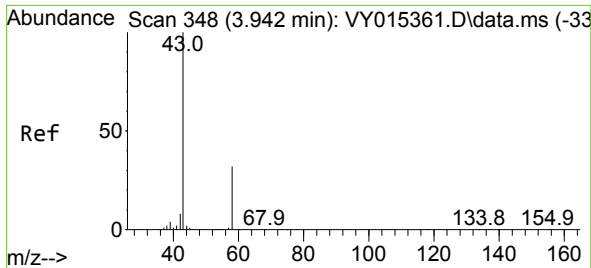
Tgt Ion:168 Resp: 181696  
Ion Ratio Lower Upper  
168 100  
99 54.9 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 14.859 ug/l  
RT: 4.911 min Scan# 507  
Delta R.T. -0.043 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Tgt Ion: 59 Resp: 13439  
Ion Ratio Lower Upper  
59 100  
57 0.8 3.0 4.4#





#16

Acetone

Concen: 19.037 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

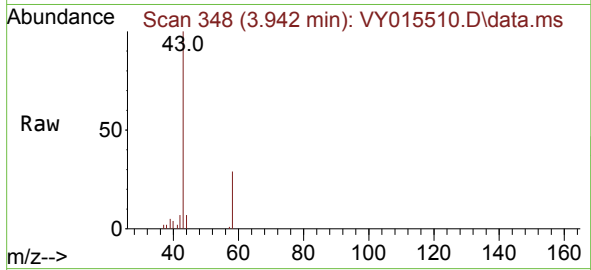
Lab File: VY015510.D

Acq: 12 Sep 2023 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

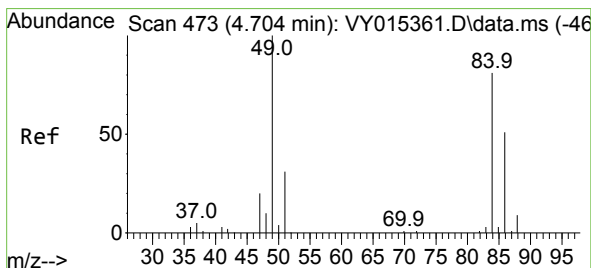
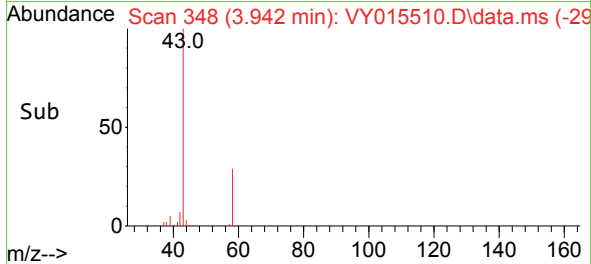
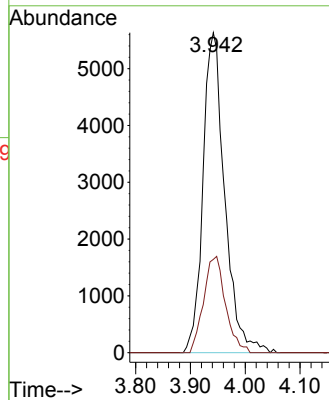


Tgt Ion: 43 Resp: 15477

Ion Ratio Lower Upper

43 100

58 29.2 22.7 34.1



#20

Methylene Chloride

Concen: 3.906 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY015510.D

Acq: 12 Sep 2023 16:11

Tgt Ion: 84 Resp: 25071

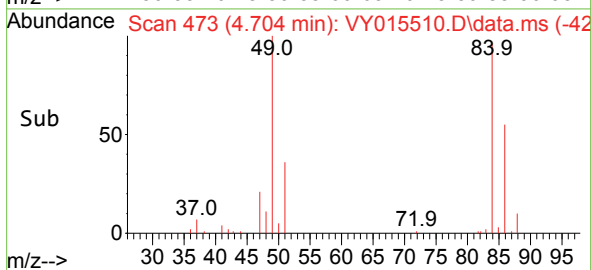
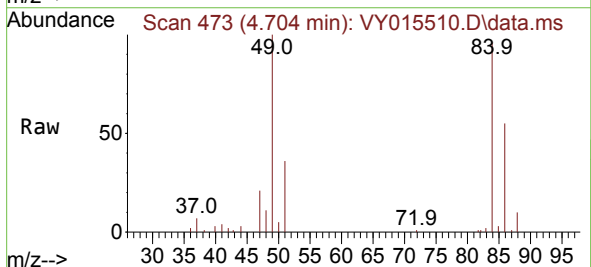
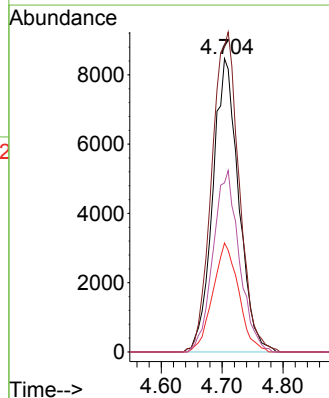
Ion Ratio Lower Upper

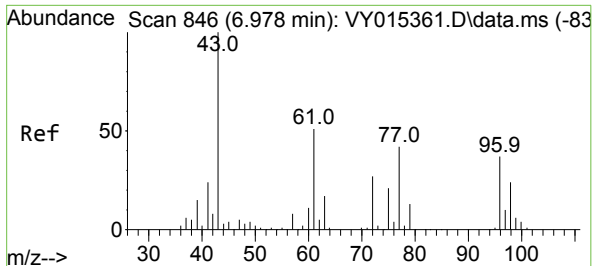
84 100

49 104.3 106.9 160.3#

51 37.2 33.2 49.8

86 57.6 51.0 76.6





#25

2-Butanone

Concen: 3.911 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY015510.D

Acq: 12 Sep 2023 16:11

Instrument :

MSVOA\_Y

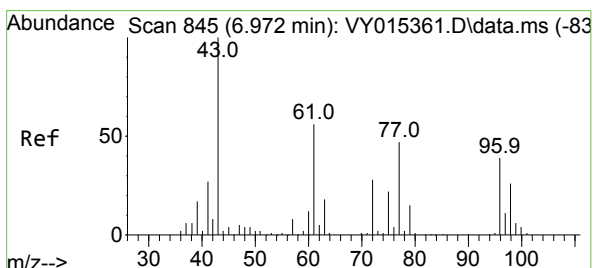
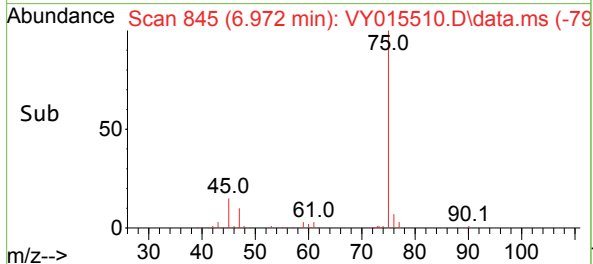
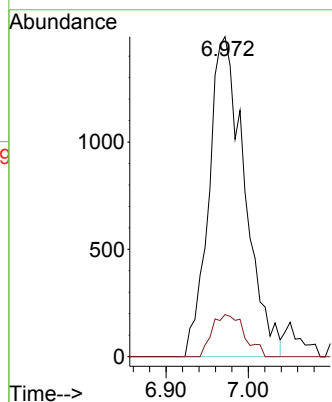
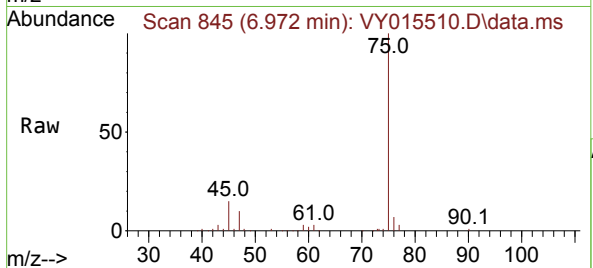
ClientSampleId :

Tgt Ion: 43 Resp: 4510

Ion Ratio Lower Upper

43 100

72 13.1 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.090 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY015510.D

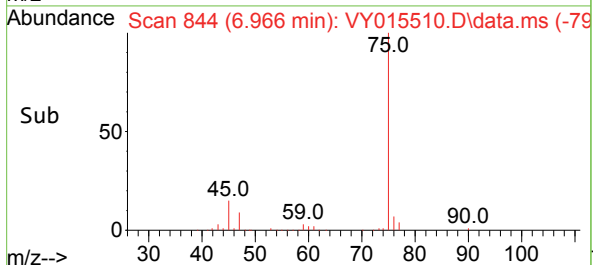
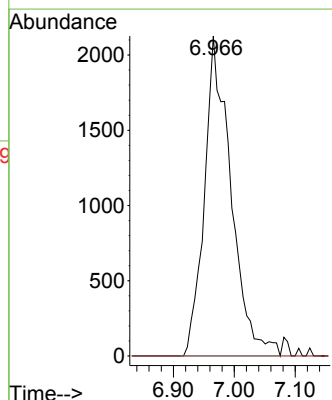
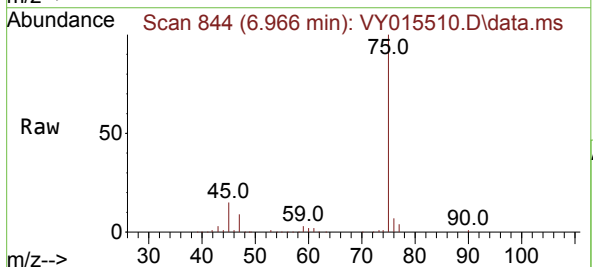
Acq: 12 Sep 2023 16:11

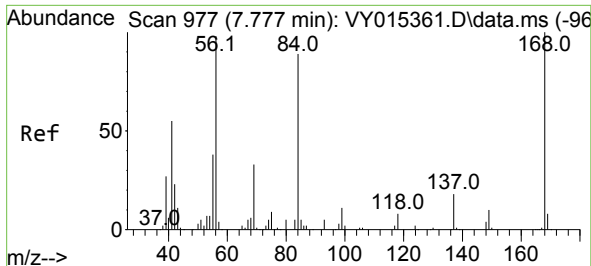
Tgt Ion: 77 Resp: 6453

Ion Ratio Lower Upper

77 100

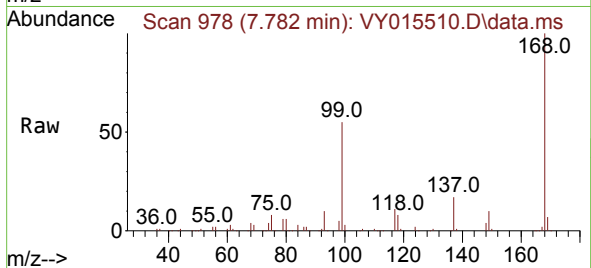
97 0.0 10.9 32.9#



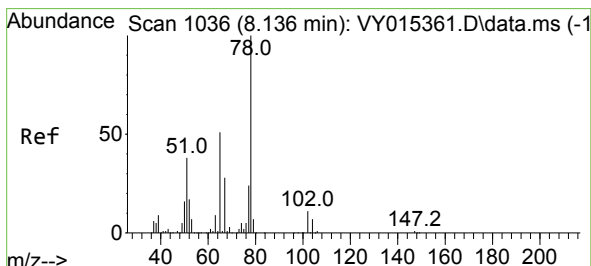
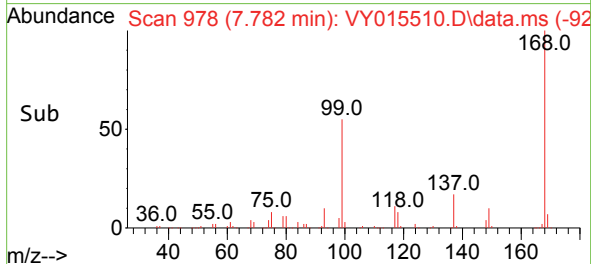
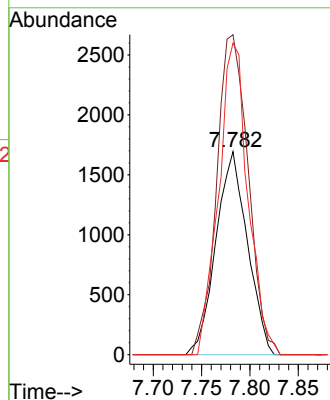


#31  
Cyclohexane  
Concen: 1.108 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

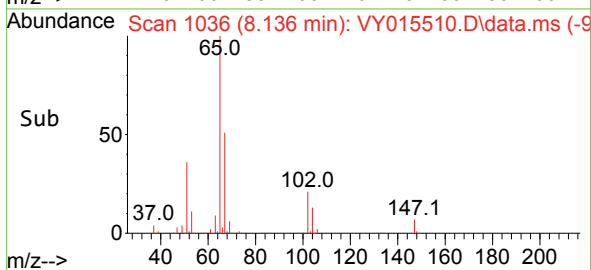
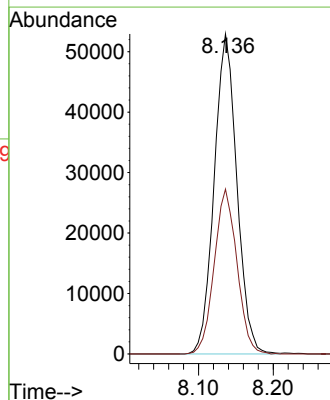
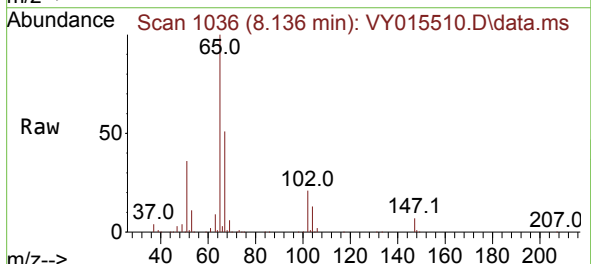


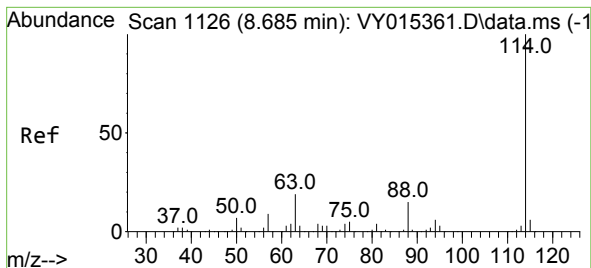
Tgt Ion: 56 Resp: 3833  
Ion Ratio Lower Upper  
56 100  
69 157.6 27.8 41.6#  
84 153.5 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 57.310 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Tgt Ion: 65 Resp: 111626  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015510.D

Acq: 12 Sep 2023 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

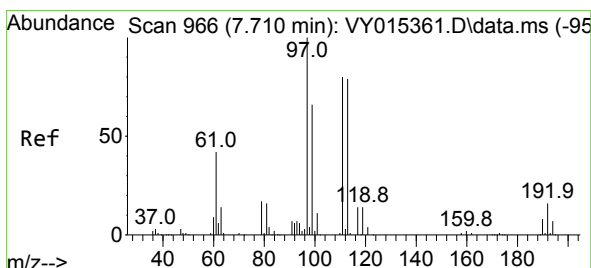
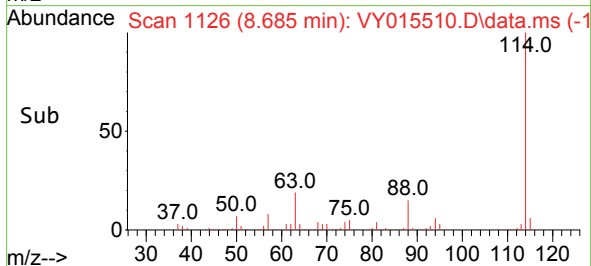
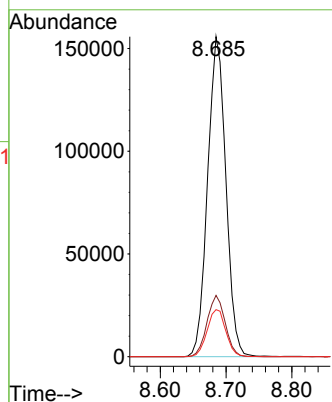
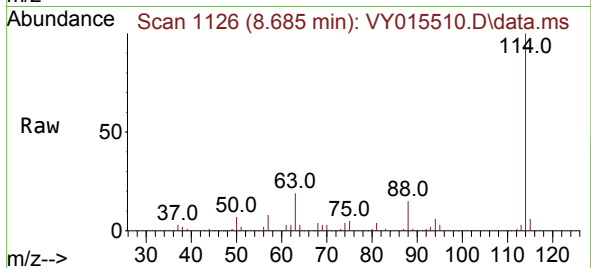
Tgt Ion:114 Resp: 300887

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.166 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015510.D

Acq: 12 Sep 2023 16:11

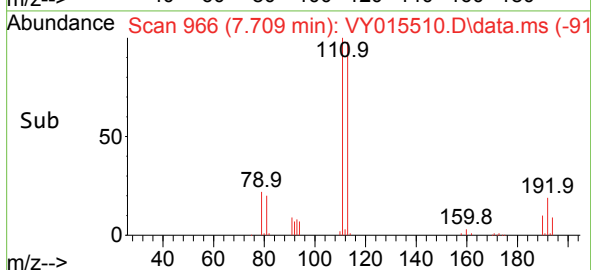
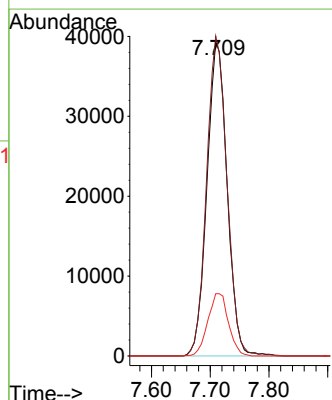
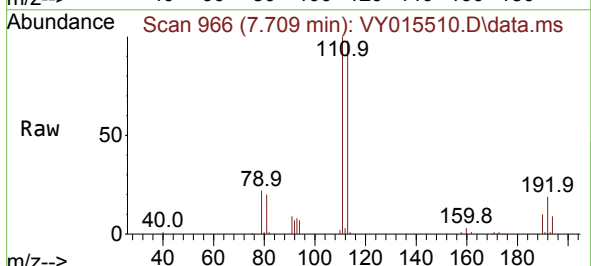
Tgt Ion:113 Resp: 93873

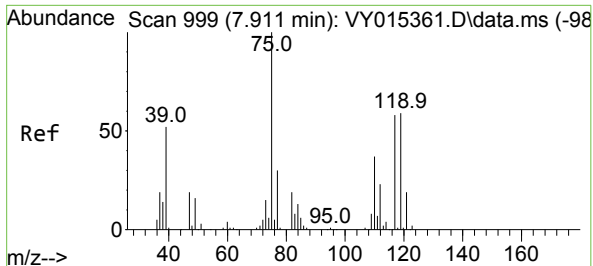
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

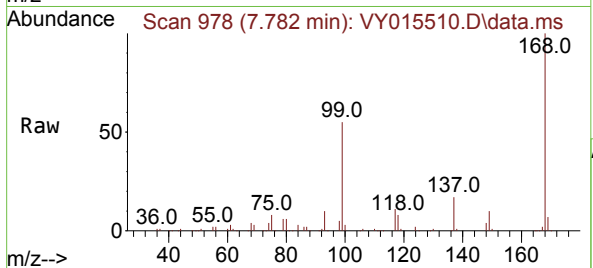
192 20.3 16.9 25.3



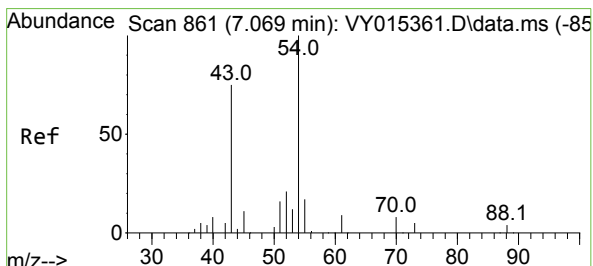
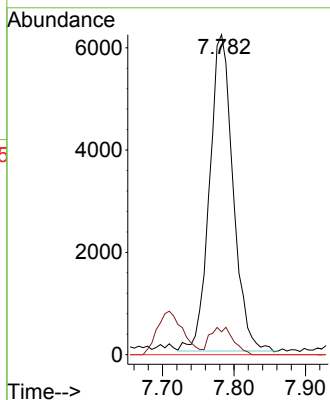
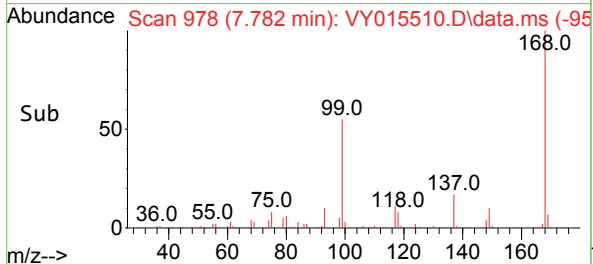


#36  
1,1-Dichloropropene  
Concen: 4.645 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

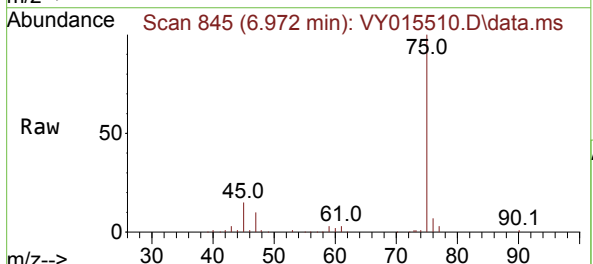
Instrument :  
MSVOA\_Y  
ClientSampleId :



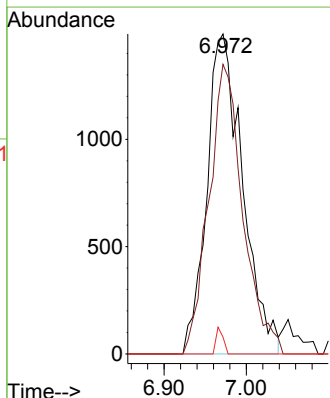
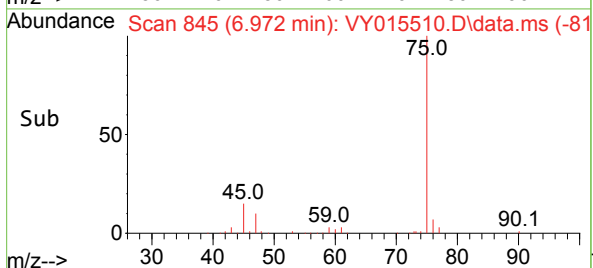
Tgt Ion: 75 Resp: 14136  
Ion Ratio Lower Upper  
75 100  
110 8.4 17.8 53.5#  
77 0.0 24.4 36.6#

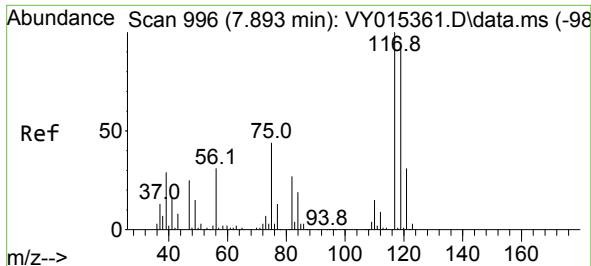


#37  
Ethyl Acetate  
Concen: 1.922 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.092 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11



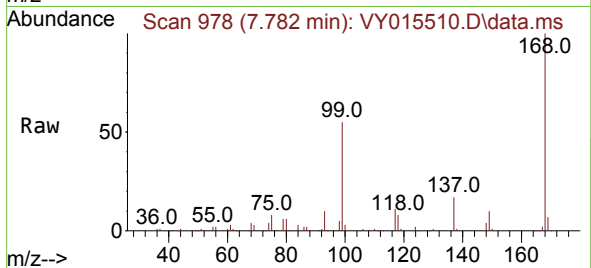
Tgt Ion: 43 Resp: 4510  
Ion Ratio Lower Upper  
43 100  
61 85.8 10.1 15.1#  
70 1.6 7.1 10.7#



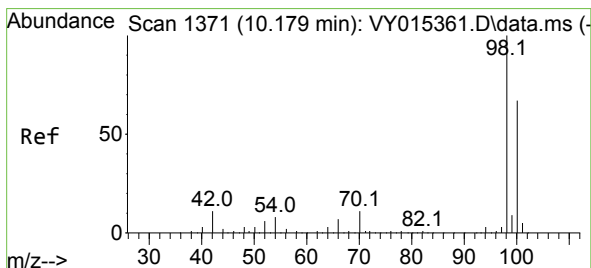
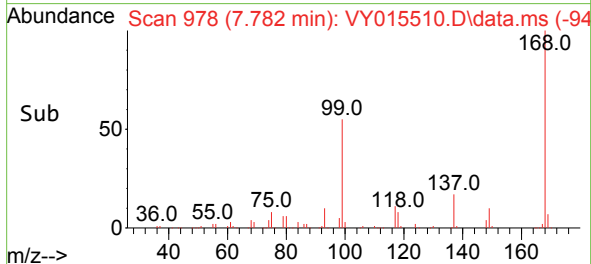
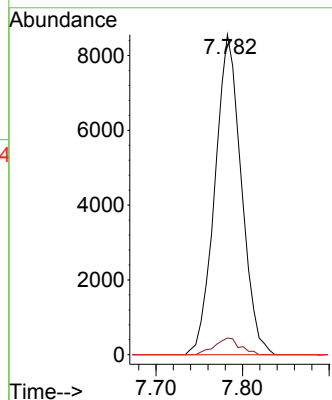


#38  
Carbon Tetrachloride  
Concen: 5.758 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

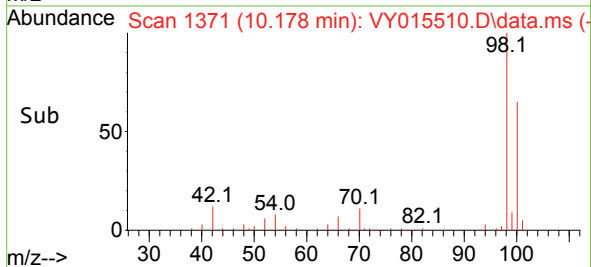
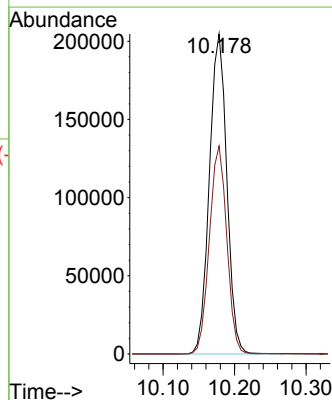
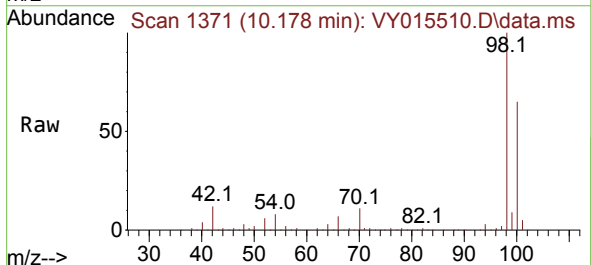


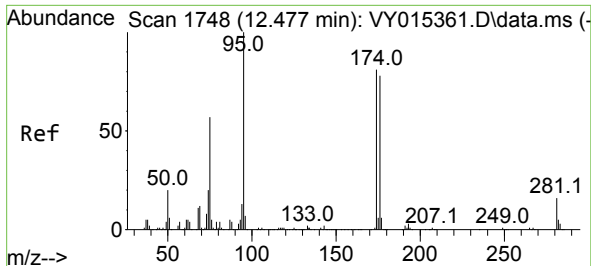
Tgt Ion:117 Resp: 18097  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 55.205 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Tgt Ion: 98 Resp: 346464  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.1 75.1

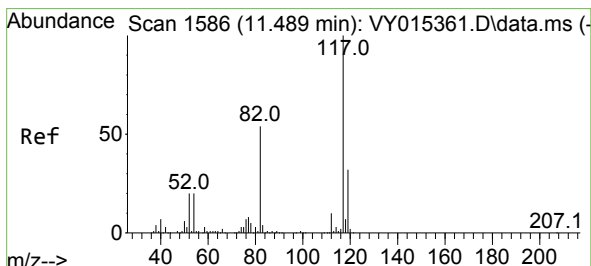
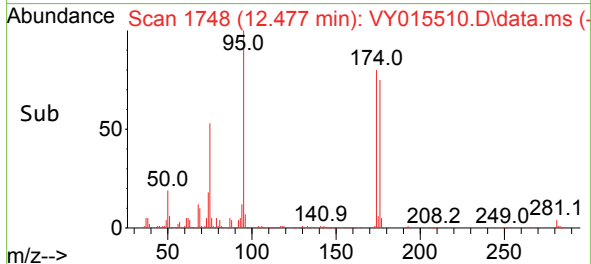
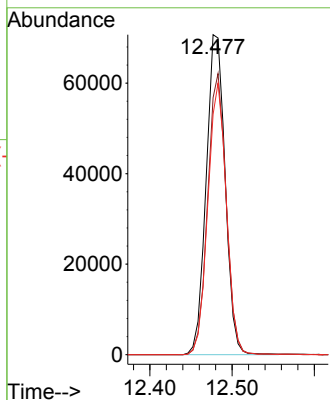
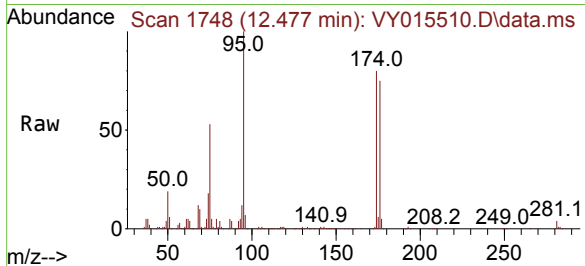




#62  
4-Bromofluorobenzene  
Concen: 48.642 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

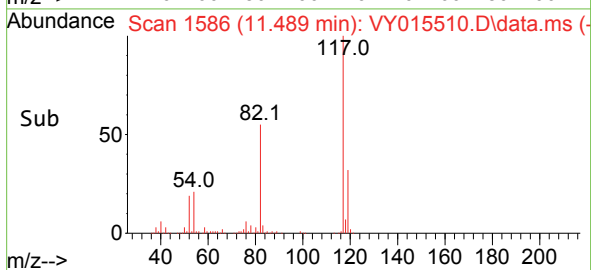
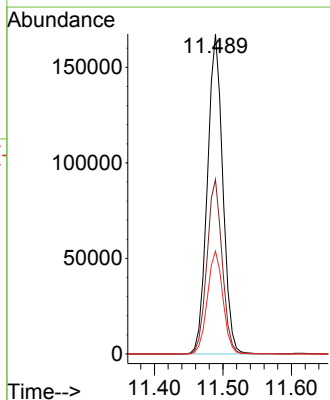
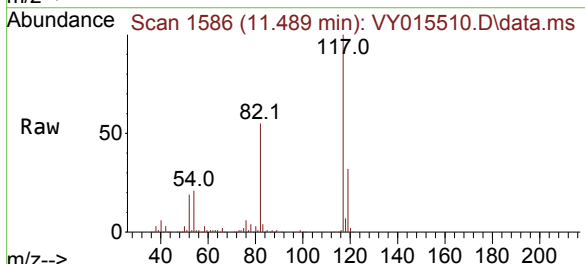
Instrument :  
MSVOA\_Y  
ClientSampleId :

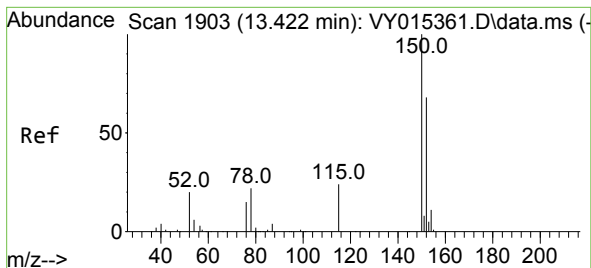
Tgt Ion: 95 Resp: 113330  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 178.2  
176 83.0 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015510.D  
Acq: 12 Sep 2023 16:11

Tgt Ion: 117 Resp: 262187  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.4 65.0  
119 32.2 26.3 39.5

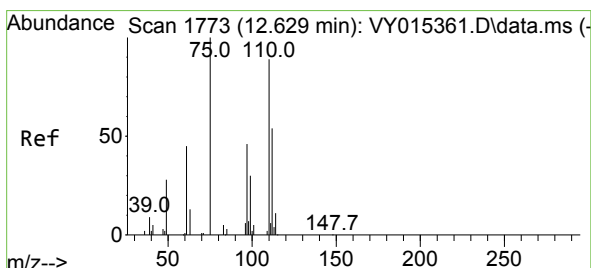
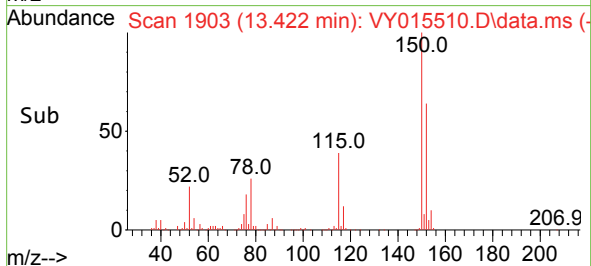
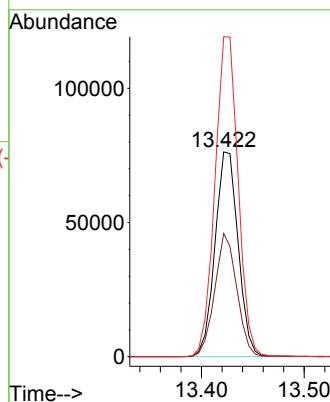
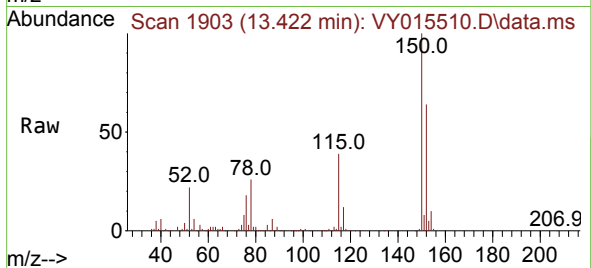




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY015510.D  
 Acq: 12 Sep 2023 16:11

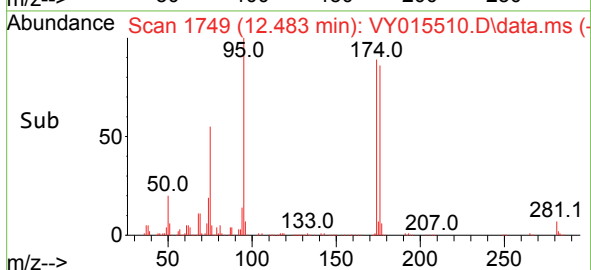
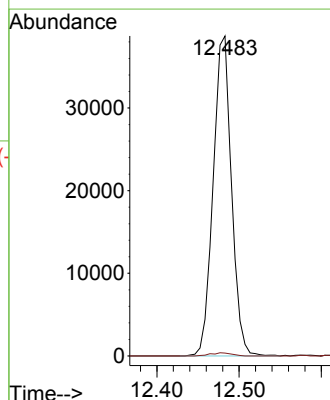
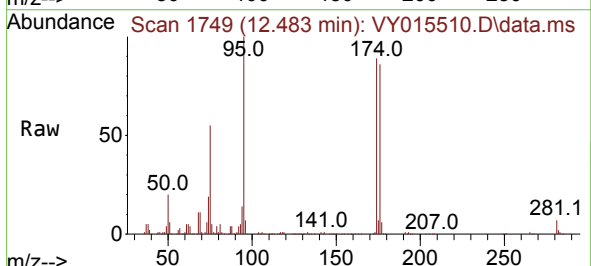
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

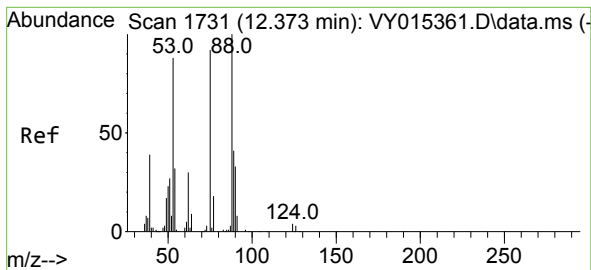
Tgt Ion:152 Resp: 119160  
 Ion Ratio Lower Upper  
 152 100  
 115 57.6 28.8 86.5  
 150 157.0 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 37.954 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY015510.D  
 Acq: 12 Sep 2023 16:11

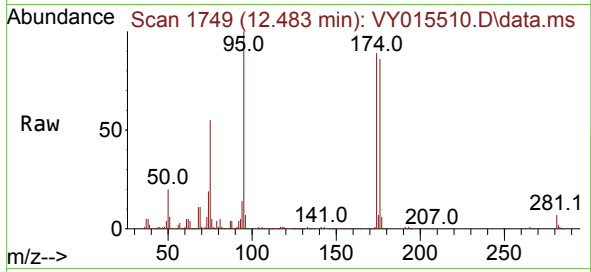
Tgt Ion: 75 Resp: 59974  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.722 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY015510.D  
 Acq: 12 Sep 2023 16:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 59974  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.1 37.4 56.0#

