

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091423\  
 Data File : VY015536.D  
 Acq On : 14 Sep 2023 16:15  
 Operator : SY/MD  
 Sample : 04374-06  
 Misc : 5.74g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 15 04:01:55 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      | 7.783  | 168  | 303734   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 511514   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 469117   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 194858   | 50.000 | ug/l  | # 0.00   |

## System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.136  | 65    | 177185   | 54.418   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 108.840%  |      |
| 35) Dibromofluoromethane  | 7.710  | 113   | 158506   | 53.800   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 107.600%  |      |
| 50) Toluene-d8            | 10.179 | 98    | 770466   | 72.213   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 144.420%# |      |
| 62) 4-Bromofluorobenzene  | 12.477 | 95    | 289400   | 73.065   | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 146.140%# |      |

## Target Compounds

|                               |        |     |         |           |        | Qvalue |
|-------------------------------|--------|-----|---------|-----------|--------|--------|
| 11) Tert butyl alcohol        | 4.954  | 59  | 868     | Below Cal | #      | 89     |
| 13) Acrolein                  | 3.924  | 56  | 2455    | 14.233    | ug/l # | 76     |
| 15) Acrylonitrile             | 5.228  | 53  | 16751   | 13.493    | ug/l # | 41     |
| 16) Acetone                   | 3.942  | 43  | 18311   | 13.474    | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.180  | 76  | 46443   | 5.145     | ug/l   | 98     |
| 20) Methylene Chloride        | 4.704  | 84  | 40836   | 3.638     | ug/l   | 88     |
| 25) 2-Butanone                | 6.978  | 43  | 35304   | 18.315    | ug/l # | 60     |
| 29) Tetrahydrofuran           | 7.356  | 42  | 1417    | 1.171     | ug/l # | 35     |
| 30) Chloroform                | 7.460  | 83  | 32047   | 5.016     | ug/l # | 22     |
| 31) Cyclohexane               | 7.758  | 56  | 814622  | 140.847   | ug/l # | 46     |
| 37) Ethyl Acetate             | 6.978  | 43  | 35304   | 8.848     | ug/l # | 74     |
| 38) Carbon Tetrachloride      | 7.783  | 117 | 30070   | 5.628     | ug/l # | 15     |
| 39) Methylcyclohexane         | 9.179  | 83  | 1637151 | 251.374   | ug/l # | 84     |
| 41) Methacrylonitrile         | 7.350  | 41  | 9939    | 5.312     | ug/l # | 48     |
| 43) Isopropyl Acetate         | 8.264  | 43  | 536696  | 77.790    | ug/l # | 55     |
| 45) 1,2-Dichloropropane       | 9.240  | 63  | 8265    | 2.272     | ug/l # | 1      |
| 47) Bromodichloromethane      | 9.478  | 83  | 185281  | 35.848    | ug/l # | 28     |
| 48) Methyl methacrylate       | 9.319  | 41  | 403622  | 127.507   | ug/l # | 30     |
| 51) 4-Methyl-2-Pentanone      | 10.112 | 43  | 1138268 | 283.855   | ug/l # | 87     |
| 55) 1,1,2-Trichloroethane     | 10.618 | 97  | 1137937 | 349.432   | ug/l # | 23     |
| 56) Ethyl methacrylate        | 10.520 | 69  | 103161  | 21.377    | ug/l # | 18     |
| 58) 2-Chloroethyl Vinyl ether | 9.752  | 63  | 35925   | 20.856    | ug/l # | 48     |
| 59) 2-Hexanone                | 10.801 | 43  | 1427900 | 474.554   | ug/l # | 33     |
| 60) Dibromochloromethane      | 10.904 | 129 | 11505   | 3.018     | ug/l   | 56     |
| 61) 1,2-Dibromoethane         | 11.069 | 107 | 5126    | 1.553     | ug/l # | 1      |
| 65) Chlorobenzene             | 11.624 | 112 | 22319   | 2.208     | ug/l # | 43     |
| 67) Ethyl Benzene             | 11.593 | 91  | 100466  | 5.535     | ug/l   | 95     |
| 68) m/p-Xylenes               | 11.709 | 106 | 11476   | 1.631     | ug/l # | 59     |
| 73) Isopropylbenzene          | 12.325 | 105 | 575752  | 39.337    | ug/l   | 100    |
| 74) N-amyl acetate            | 12.124 | 43  | 965897  | 196.428   | ug/l # | 60     |
| 75) 1,1,2,2-Tetrachloroethane | 12.569 | 83  | 24757   | 7.086     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.666 | 75  | 18186   | 7.038     | ug/l # | 100    |
| 78) n-propylbenzene           | 12.672 | 91  | 2868059 | 161.941   | ug/l   | 100    |
| 79) 2-Chlorotoluene           | 12.770 | 91  | 1379661 | 138.889   | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105 | 3833687 | 313.149   | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-b... | 12.331 | 75  | 7011    | 5.985     | ug/l # | 2      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091423\  
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 Sample : 04374-06  
 Misc : 5.74g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 15 04:01:55 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

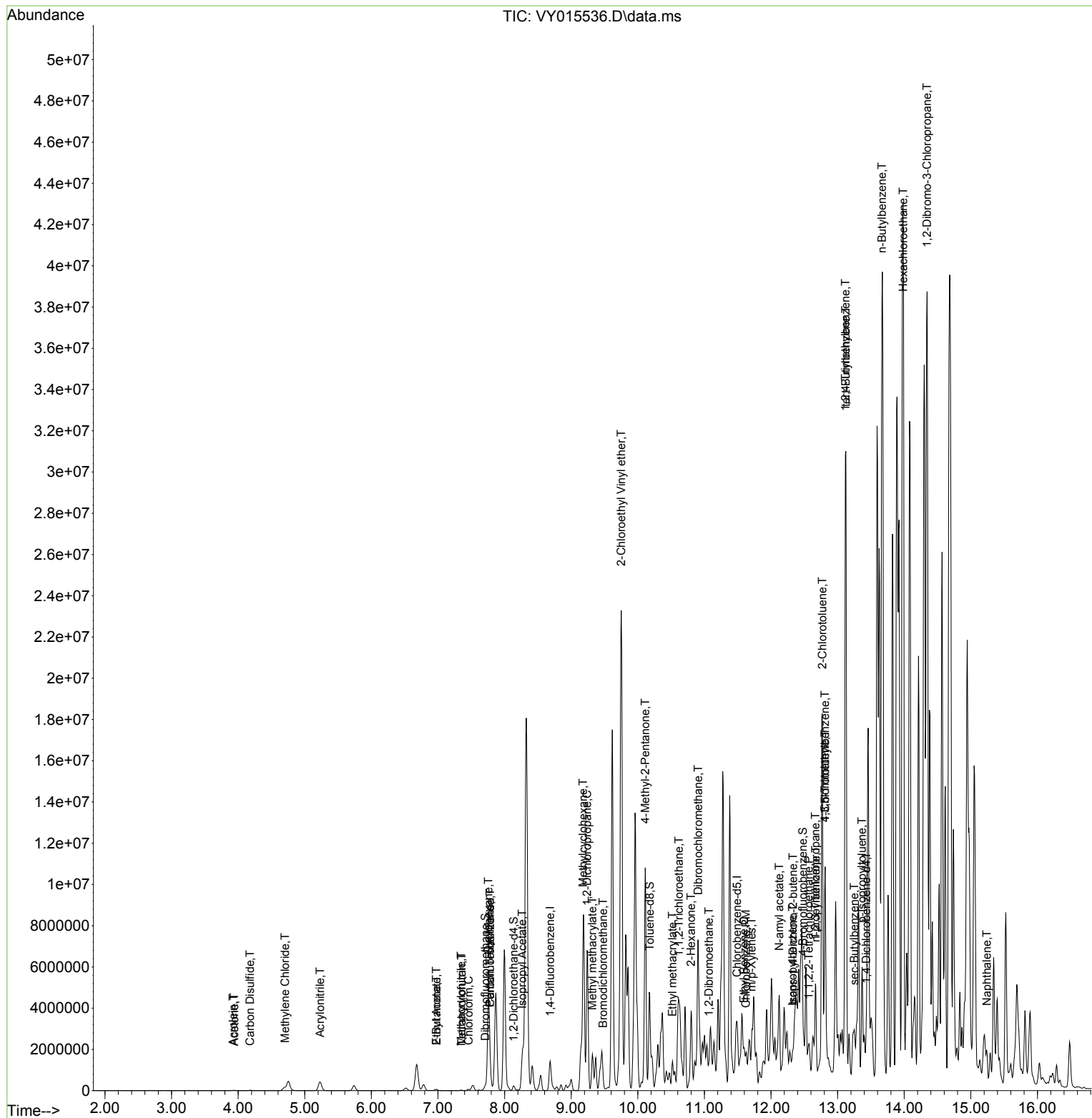
| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| 82) 4-Chlorotoluene           | 12.812 | 91   | 426542   | 41.316   | ug/l # | 45       |
| 83) tert-Butylbenzene         | 13.123 | 119  | 2408026  | 224.571  | ug/l # | 61       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 15671201 | 1289.247 | ug/l   | 84       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 1109048  | 69.344   | ug/l # | 60       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1744084  | 130.113  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.666 | 91   | 6030136  | 477.961  | ug/l # | 1        |
| 90) Hexachloroethane          | 13.983 | 117  | 3247687  | 1354.690 | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.343 | 75   | 201168   | 291.053  | ug/l # | 3        |
| 95) Naphthalene               | 15.239 | 128  | 199835   | 20.568   | ug/l # | 47       |
| -----                         |        |      |          |          |        |          |

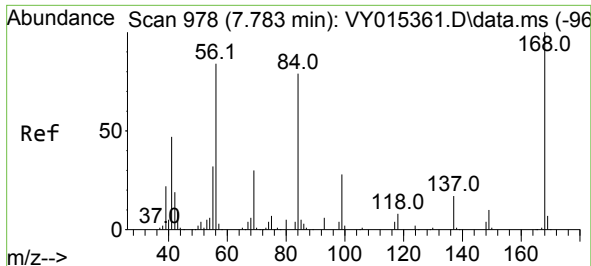
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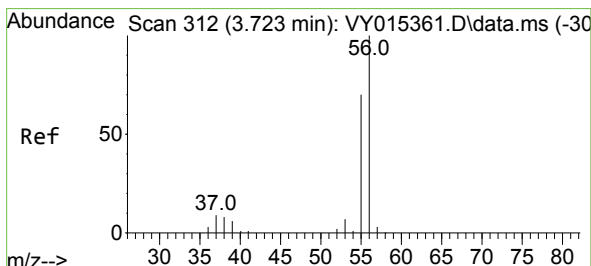
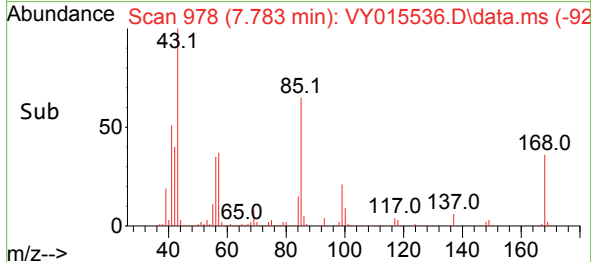
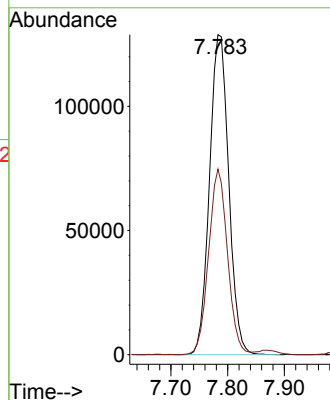
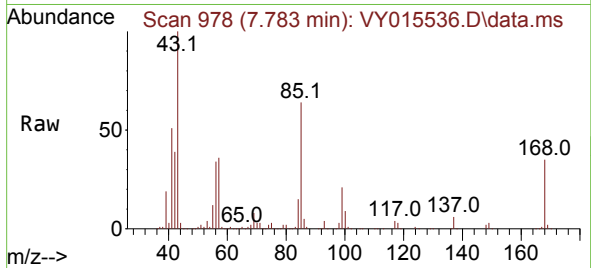




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

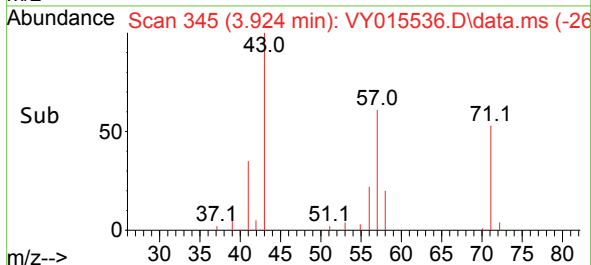
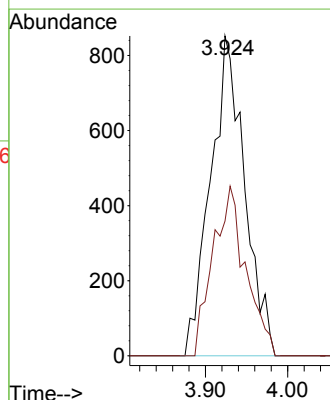
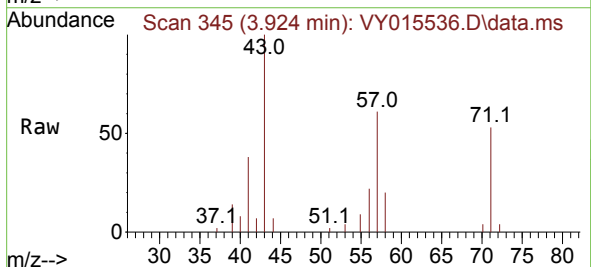
Instrument :  
MSVOA\_Y  
ClientSampleId :

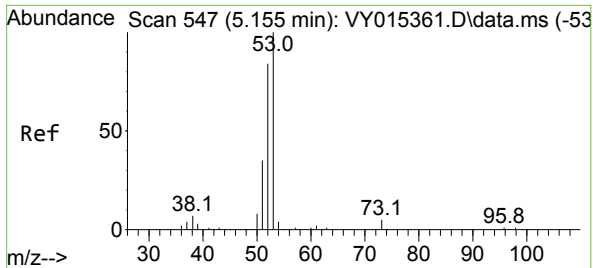
Tgt Ion:168 Resp: 303734  
Ion Ratio Lower Upper  
168 100  
99 58.0 43.4 65.0



#13  
Acrolein  
Concen: 14.233 ug/l  
RT: 3.924 min Scan# 345  
Delta R.T. 0.201 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 56 Resp: 2455  
Ion Ratio Lower Upper  
56 100  
55 51.0 57.0 85.4#





#15

Acrylonitrile

Concen: 13.493 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.067 min

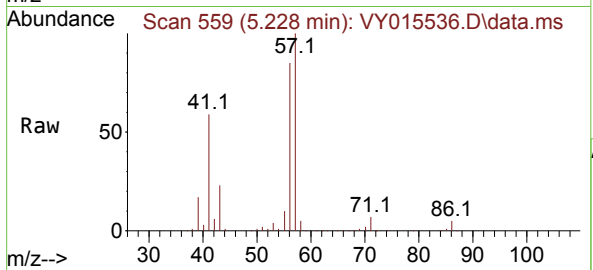
Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

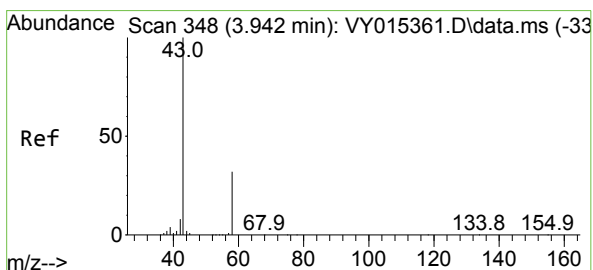
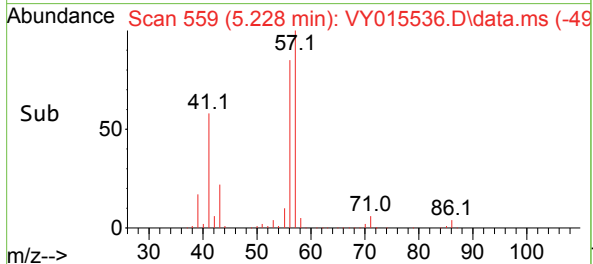
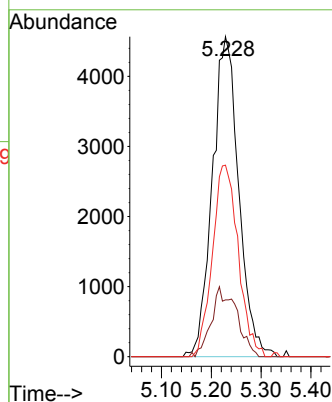
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                  |
|-------------|------------------|
| Tgt Ion: 53 | Resp: 16751      |
| Ion Ratio   | Lower Upper      |
| 53          | 100              |
| 52          | 21.0 66.9 100.3# |
| 51          | 58.6 29.8 44.6#  |



#16

Acetone

Concen: 13.474 ug/l

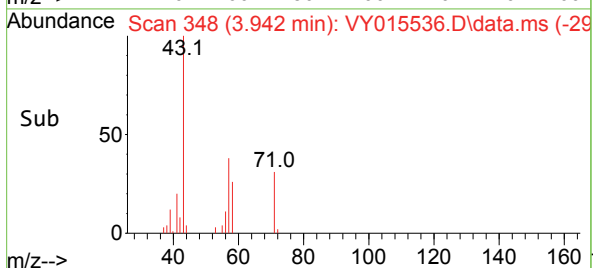
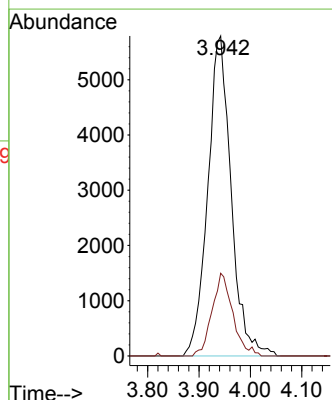
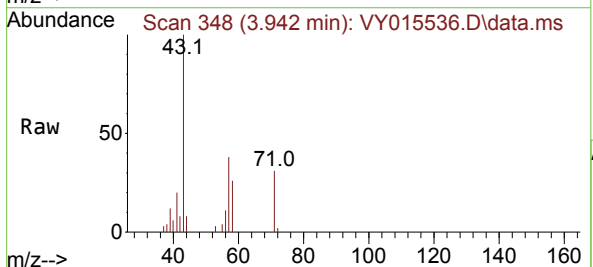
RT: 3.942 min Scan# 348

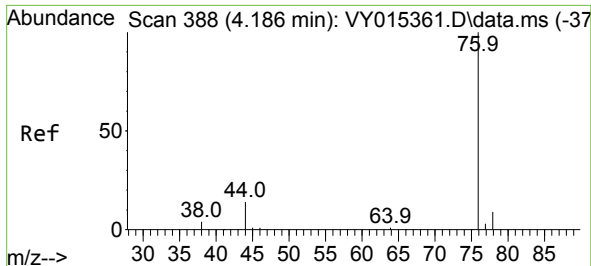
Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 18311    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 25.8 22.7 34.1 |





#17

Carbon Disulfide

Concen: 5.145 ug/l

RT: 4.180 min Scan# 388

Delta R.T. -0.006 min

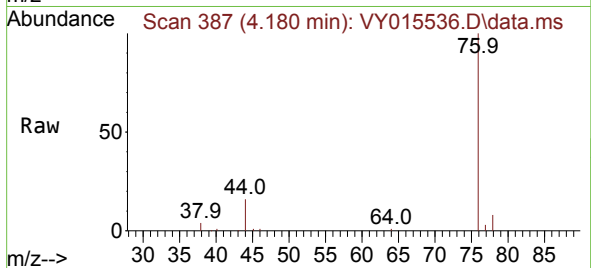
Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

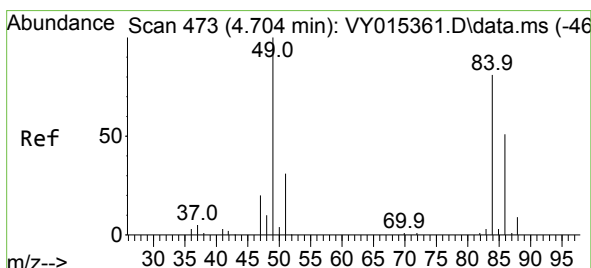
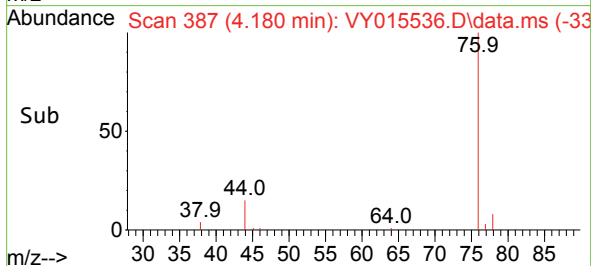
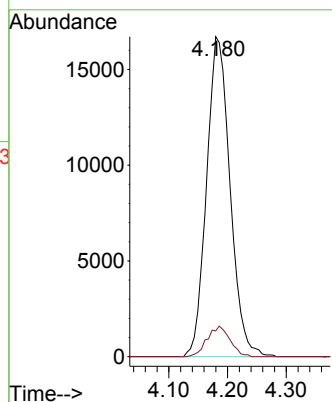


Tgt Ion: 76 Resp: 46443

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4



#20

Methylene Chloride

Concen: 3.638 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Tgt Ion: 84 Resp: 40836

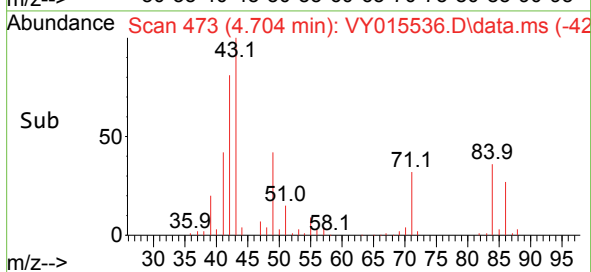
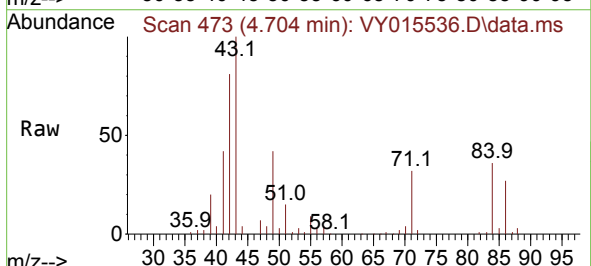
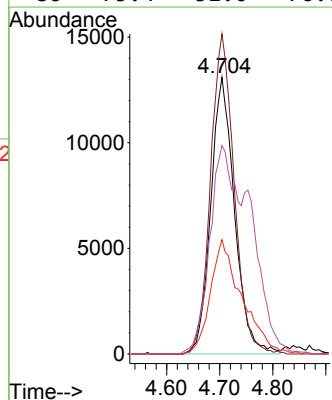
Ion Ratio Lower Upper

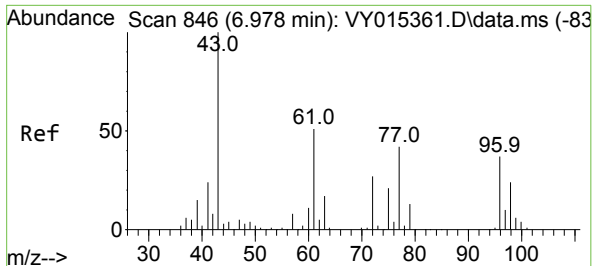
84 100

49 115.7 106.9 160.3

51 41.3 33.2 49.8

86 75.4 51.0 76.6





#25

2-Butanone

Concen: 18.315 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

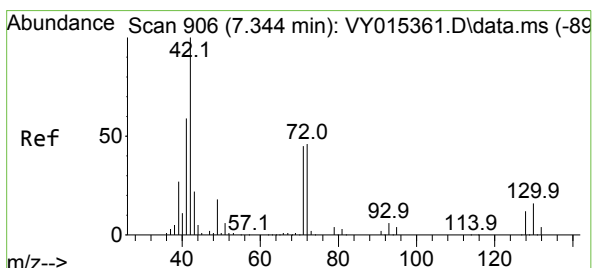
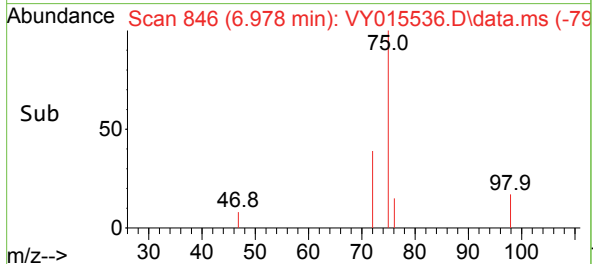
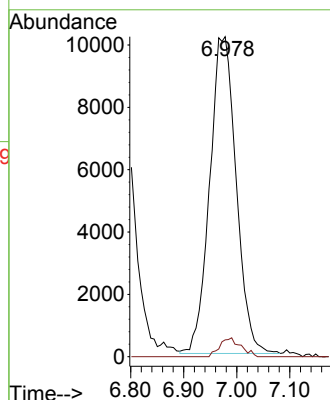
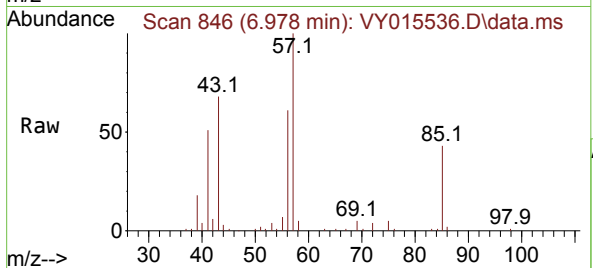
ClientSampleId :

Tgt Ion: 43 Resp: 35304

Ion Ratio Lower Upper

43 100

72 5.3 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

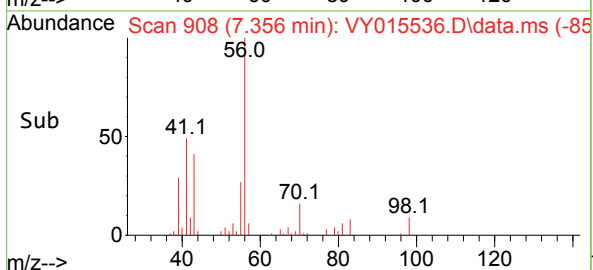
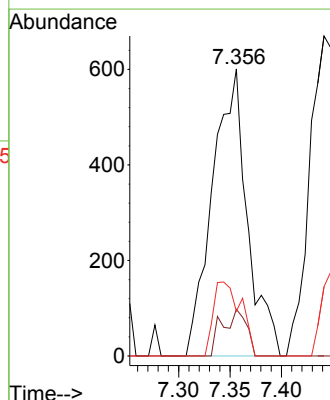
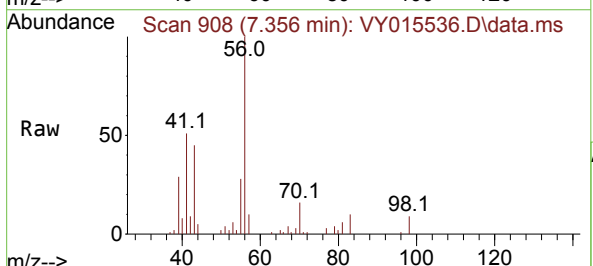
Tgt Ion: 42 Resp: 1417

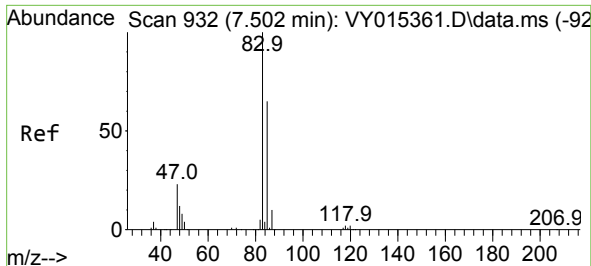
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#

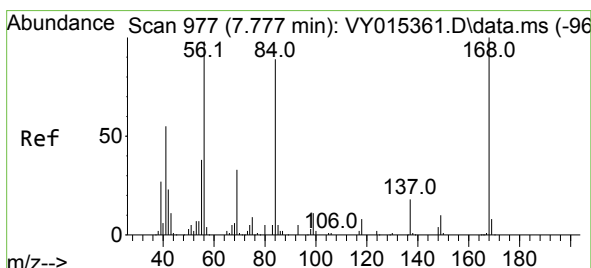
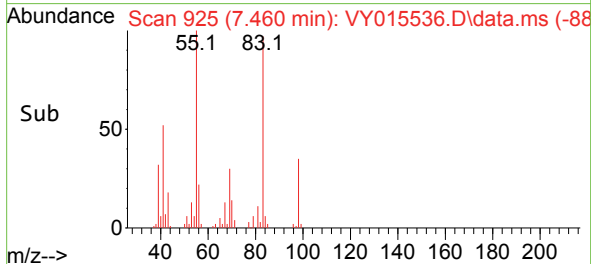
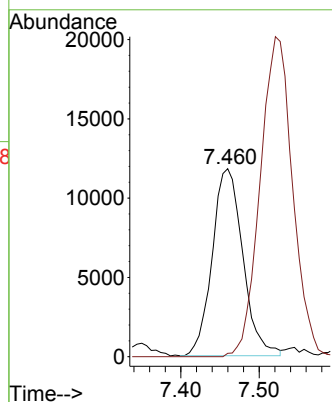
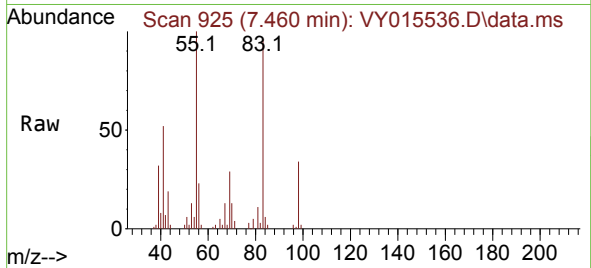




#30  
Chloroform  
Concen: 5.016 ug/l  
RT: 7.460 min Scan# 91  
Delta R.T. -0.037 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

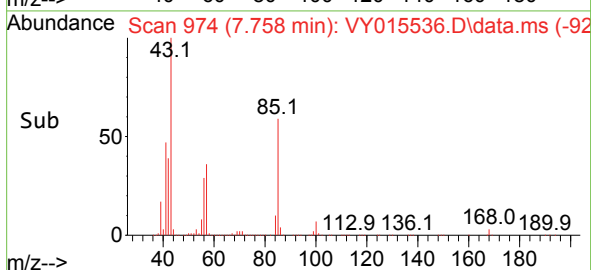
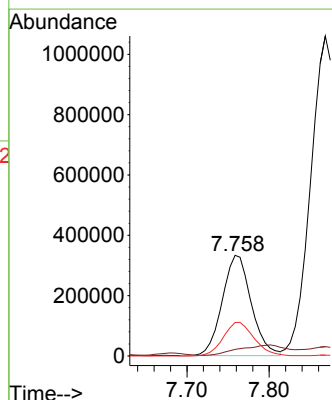
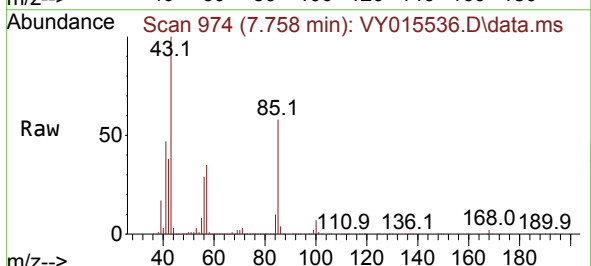
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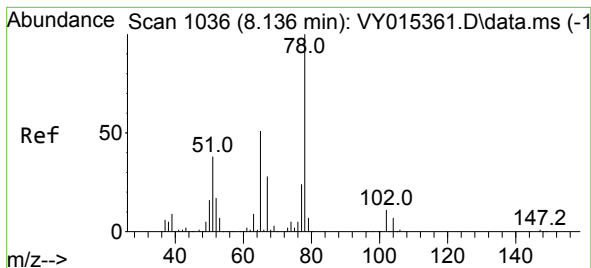
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Ion Ratio Lower Upper  
83 100  
85 1.8 49.7 74.5#



#31  
Cyclohexane  
Concen: 140.847 ug/l  
RT: 7.758 min Scan# 974  
Delta R.T. -0.024 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 56 Resp: 814622  
Ion Ratio Lower Upper  
56 100  
69 4.2 27.8 41.6#  
84 33.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.418 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

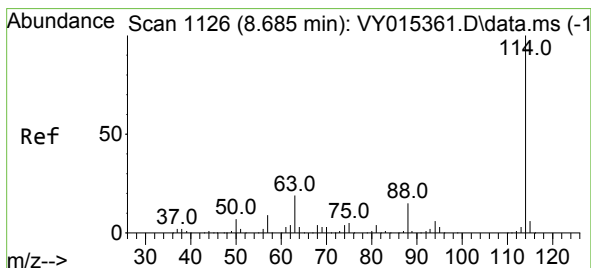
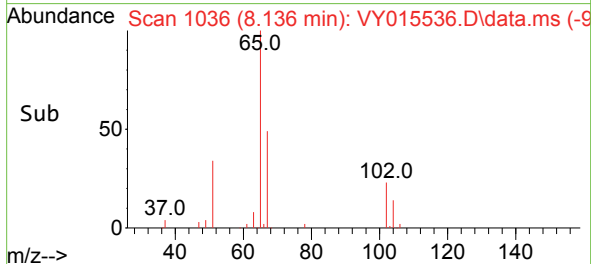
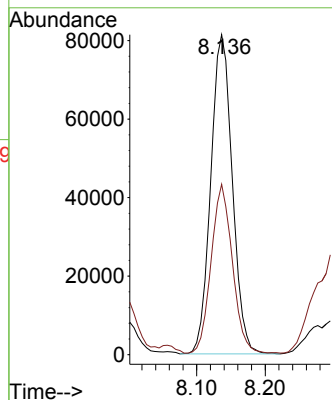
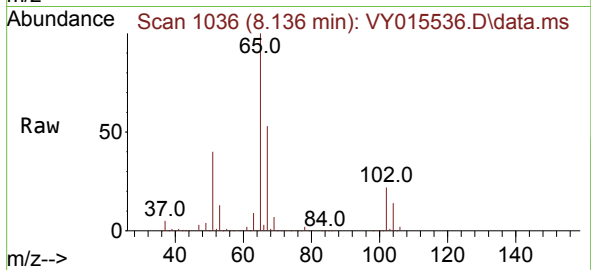
ClientSampleId :

Tgt Ion: 65 Resp: 177185

Ion Ratio Lower Upper

65 100

67 51.9 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: VY015536.D

Acq: 14 Sep 2023 16:15

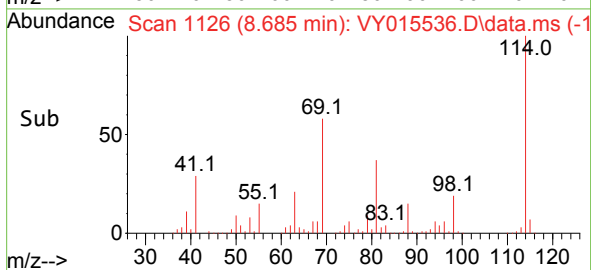
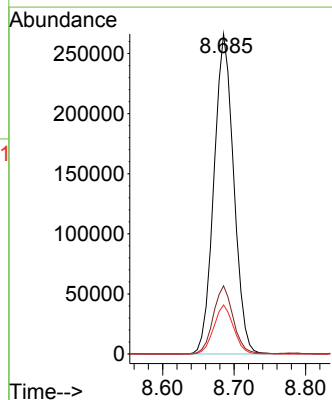
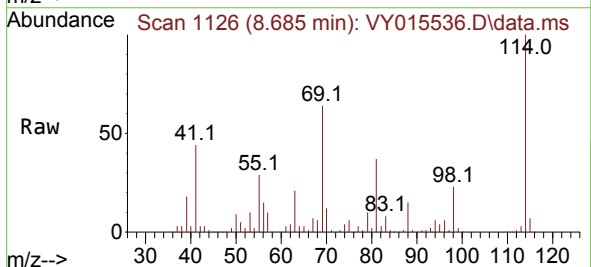
Tgt Ion: 114 Resp: 511514

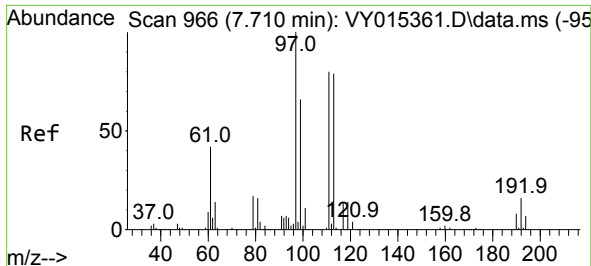
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

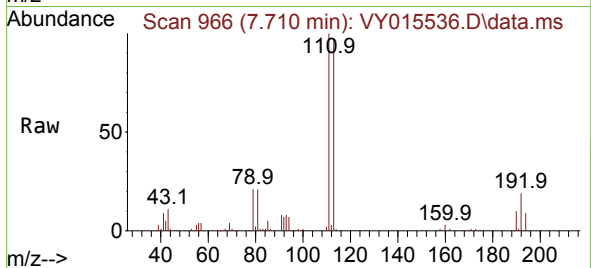
88 15.3 0.0 30.6



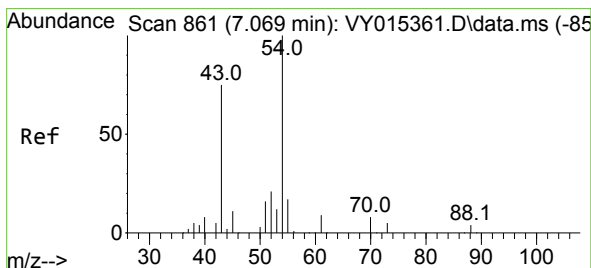
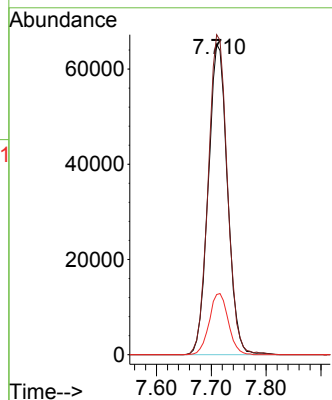
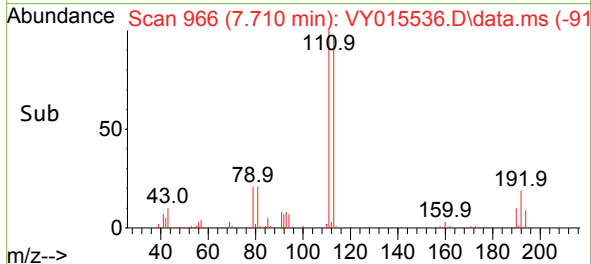


#35  
Dibromofluoromethane  
Concen: 53.800 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

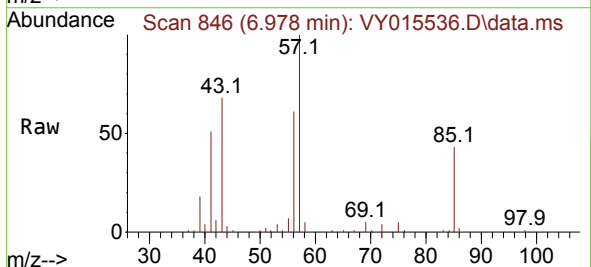
Instrument :  
MSVOA\_Y  
ClientSampleId :



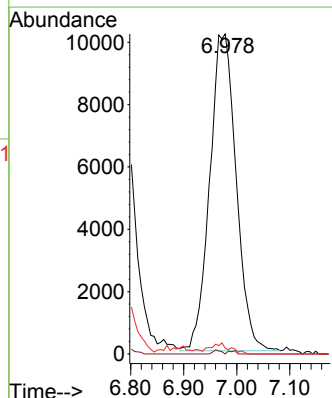
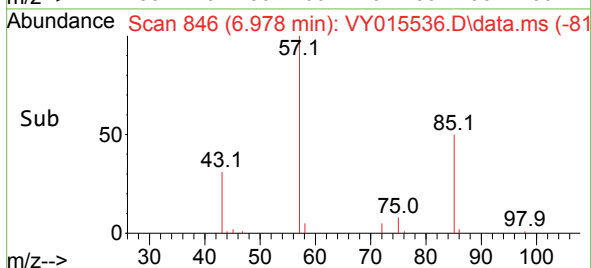
Tgt Ion:113 Resp: 158506  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.3 121.9  
192 19.5 16.9 25.3

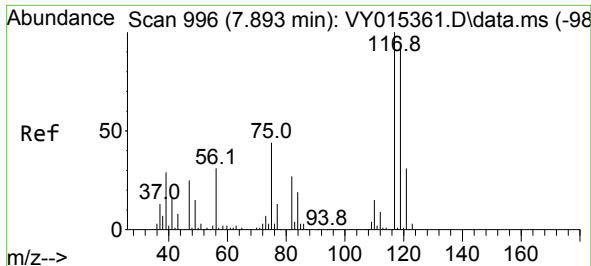


#37  
Ethyl Acetate  
Concen: 8.848 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.085 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15



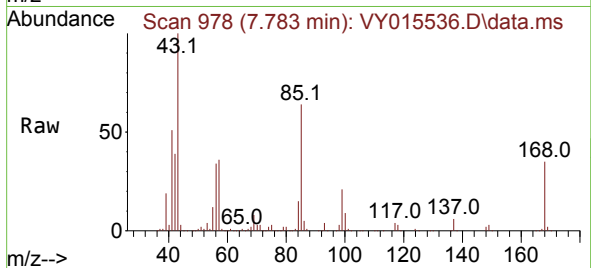
Tgt Ion: 43 Resp: 35304  
Ion Ratio Lower Upper  
43 100  
61 0.4 10.1 15.1#  
70 2.5 7.1 10.7#



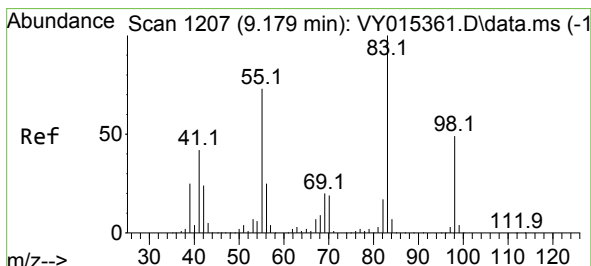
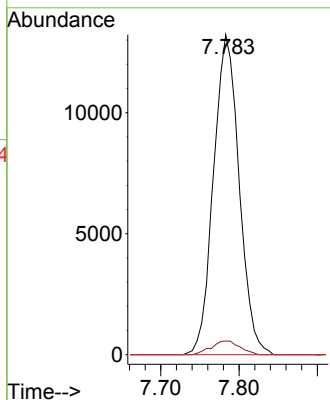
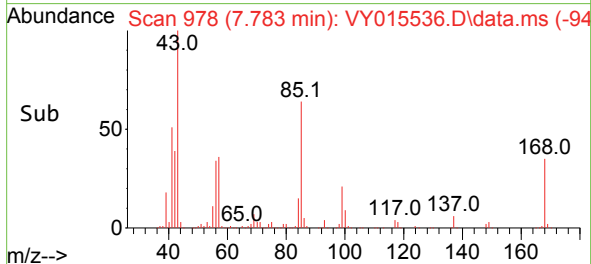


#38  
Carbon Tetrachloride  
Concen: 5.628 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

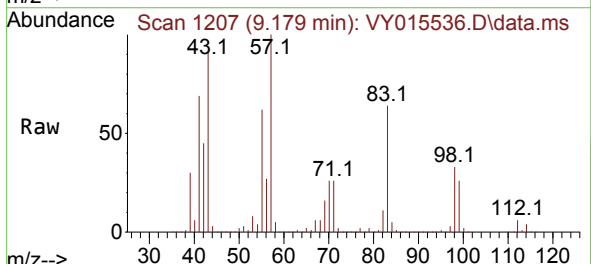
Instrument :  
MSVOA\_Y  
ClientSampleId :



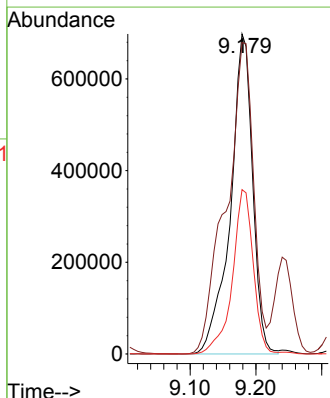
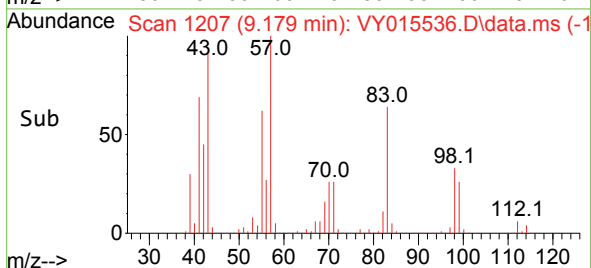
Tgt Ion:117 Resp: 30070  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.4 114.6#  
121 0.0 25.8 38.6#

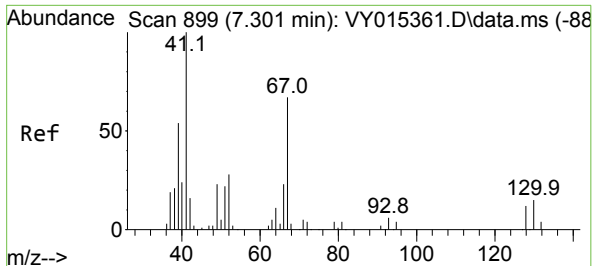


#39  
Methylcyclohexane  
Concen: 251.374 ug/l  
RT: 9.179 min Scan# 1207  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15



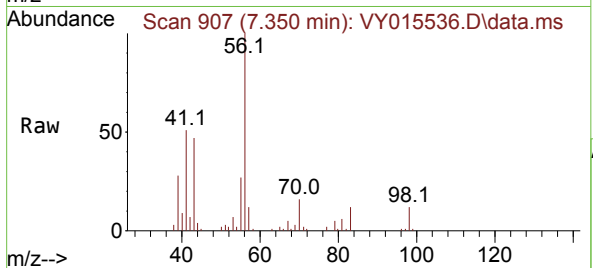
Tgt Ion: 83 Resp: 1637151  
Ion Ratio Lower Upper  
83 100  
55 97.2 63.0 94.4#  
98 51.3 37.4 56.2



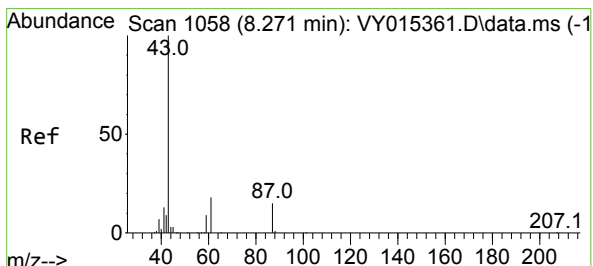
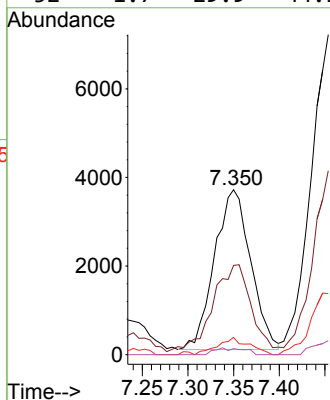
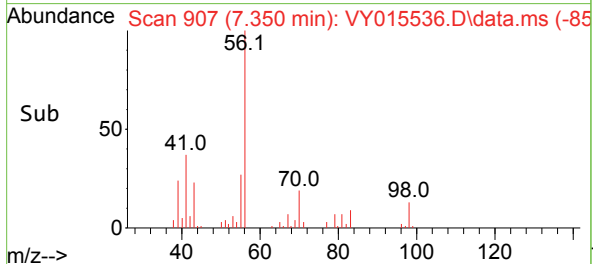


#41  
Methacrylonitrile  
Concen: 5.312 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.037 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

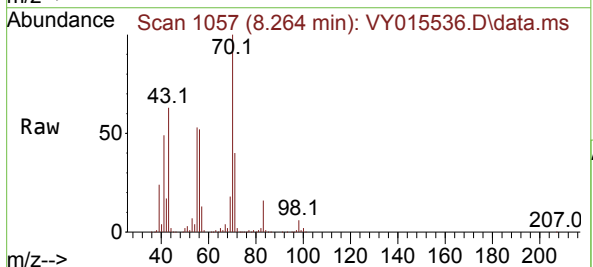
Instrument :  
MSVOA\_Y  
ClientSampleId :



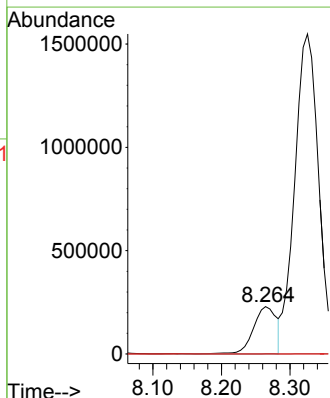
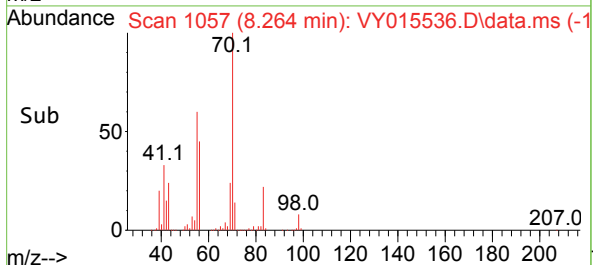
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 9939  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 57.2  | 52.1  | 78.1  |
| 67        | 9.2   | 66.2  | 99.2# |
| 52        | 1.7   | 29.9  | 44.9# |

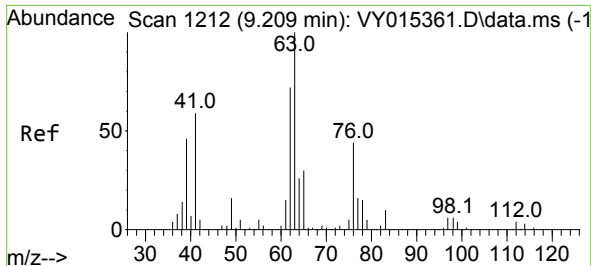


#43  
Isopropyl Acetate  
Concen: 77.790 ug/l  
RT: 8.264 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 536696 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 0.2   | 21.1  | 31.7#  |
| 87        | 0.0   | 9.8   | 14.8#  |





#45

1,2-Dichloropropane

Concen: 2.272 ug/l

RT: 9.240 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

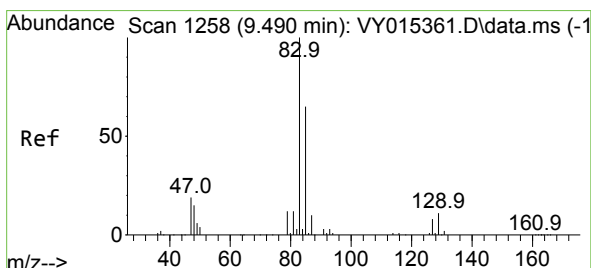
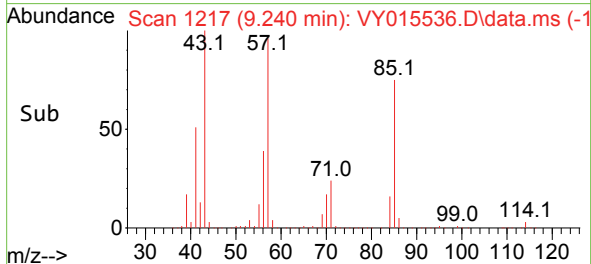
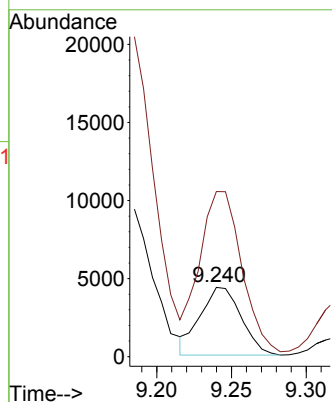
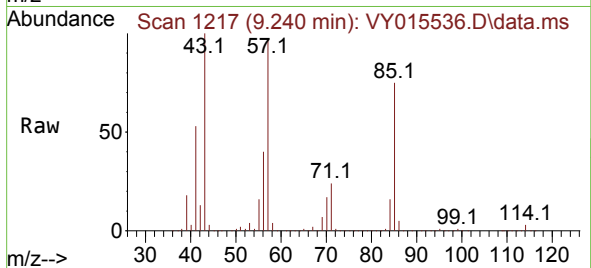
ClientSampleId :

Tgt Ion: 63 Resp: 8265

Ion Ratio Lower Upper

63 100

65 236.6 23.8 35.6#



#47

Bromodichloromethane

Concen: 35.848 ug/l

RT: 9.478 min Scan# 1256

Delta R.T. -0.012 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

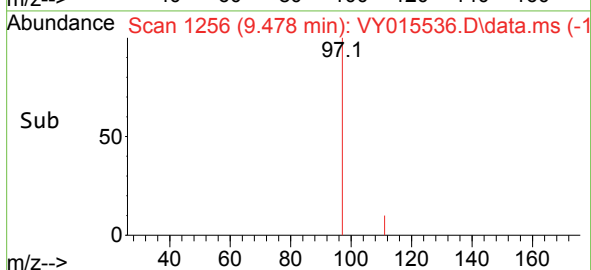
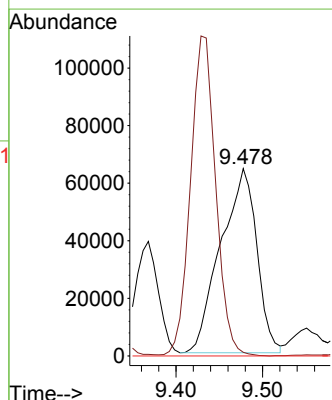
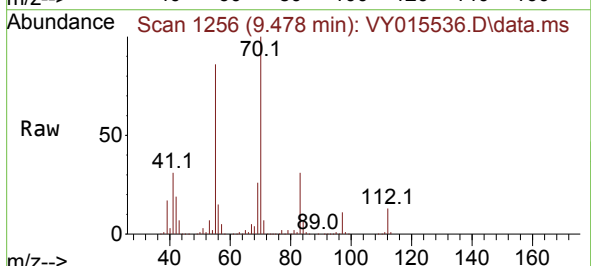
Tgt Ion: 83 Resp: 185281

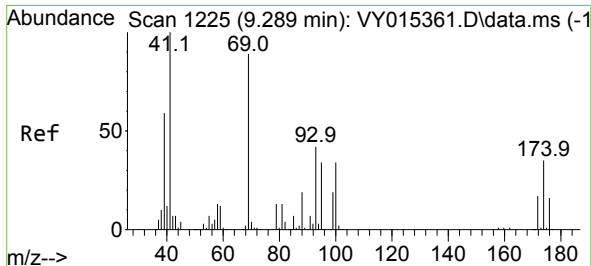
Ion Ratio Lower Upper

83 100

85 1.8 50.1 75.1#

127 0.0 7.1 10.7#

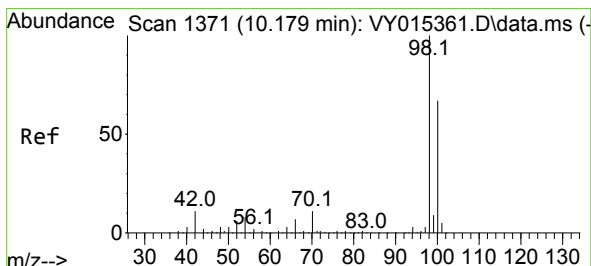
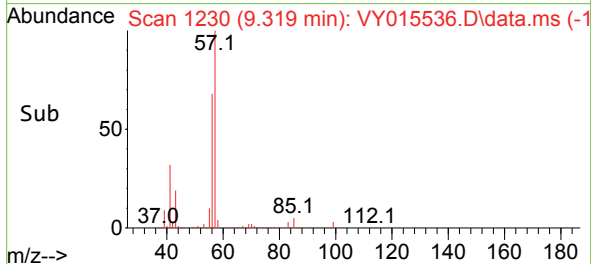
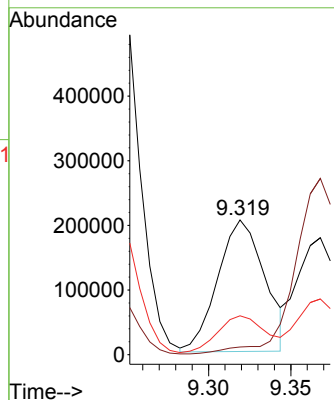
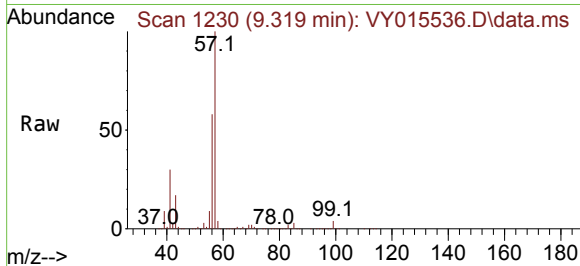




#48  
Methyl methacrylate  
Concen: 127.507 ug/l  
RT: 9.319 min Scan# 11  
Delta R.T. 0.030 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

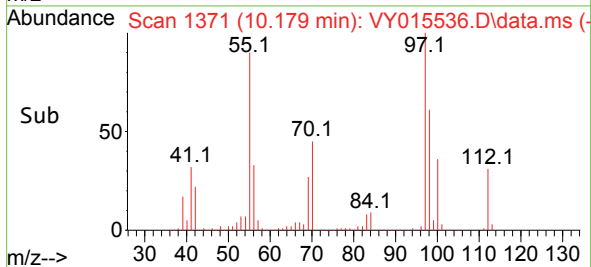
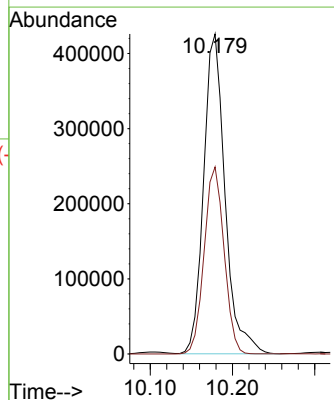
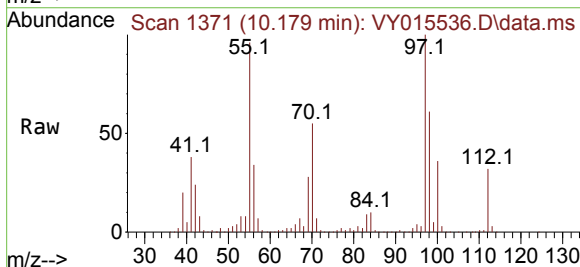
Instrument :  
MSVOA\_Y  
ClientSampleId :

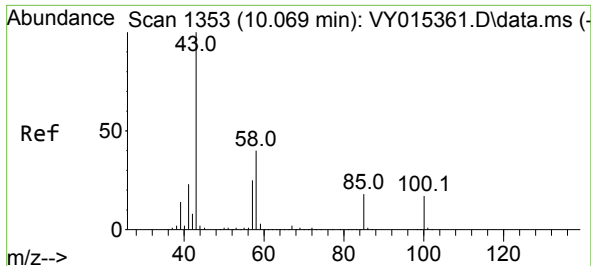
Tgt Ion: 41 Resp: 403622  
Ion Ratio Lower Upper  
41 100  
69 0.0 64.5 96.7#  
39 29.2 50.8 76.2#



#50  
Toluene-d8  
Concen: 72.213 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 98 Resp: 770466  
Ion Ratio Lower Upper  
98 100  
100 54.3 50.1 75.1

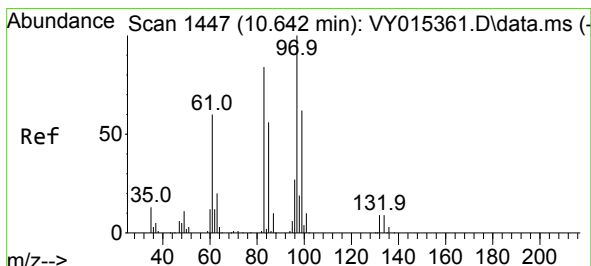
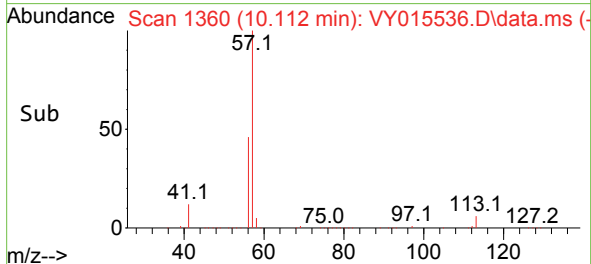
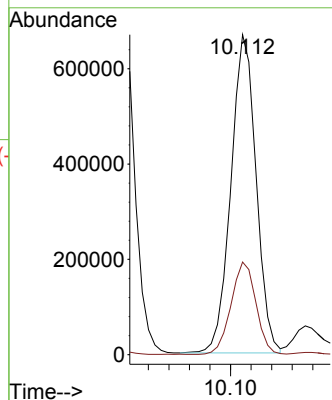
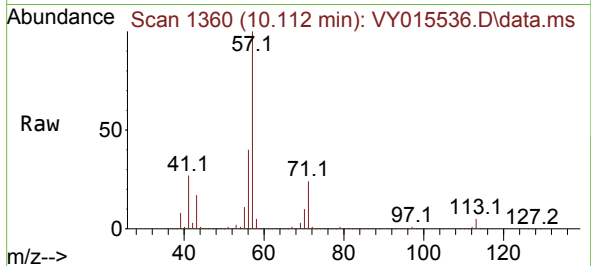




#51  
4-Methyl-2-Pentanone  
Concen: 283.855 ug/l  
RT: 10.112 min Scan# 11  
Delta R.T. 0.043 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

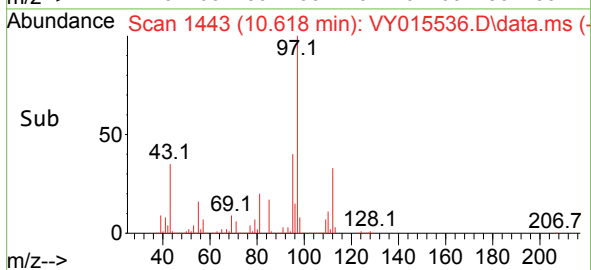
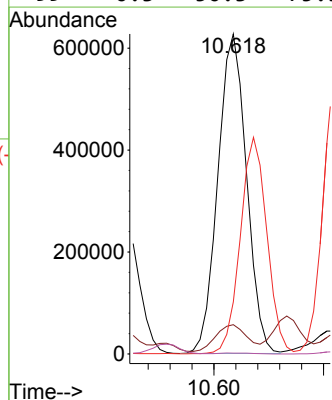
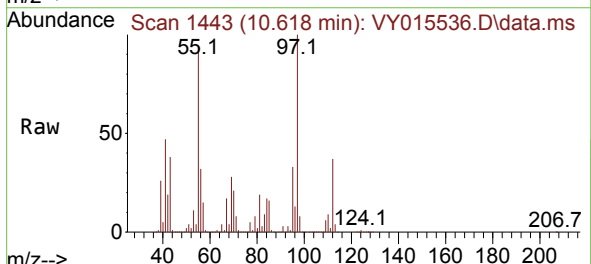
Instrument :  
MSVOA\_Y  
ClientSampleId :

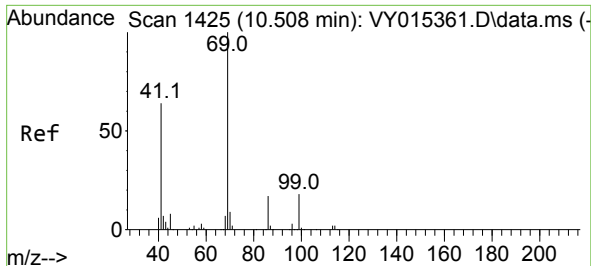
Tgt Ion: 43 Resp: 1138268  
Ion Ratio Lower Upper  
43 100  
58 28.6 29.0 43.6#



#55  
1,1,2-Trichloroethane  
Concen: 349.432 ug/l  
RT: 10.618 min Scan# 1443  
Delta R.T. -0.024 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 97 Resp: 1137937  
Ion Ratio Lower Upper  
97 100  
83 7.7 72.0 108.0#  
85 16.2 45.4 68.0#  
99 0.3 50.3 75.5#

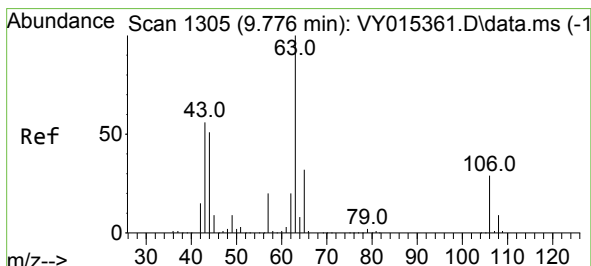
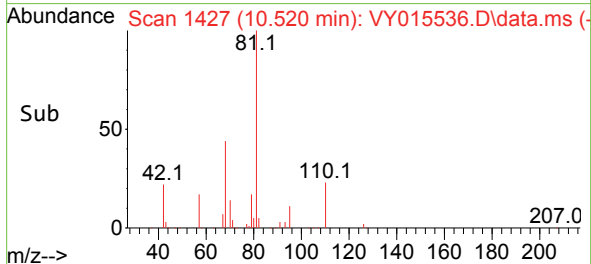
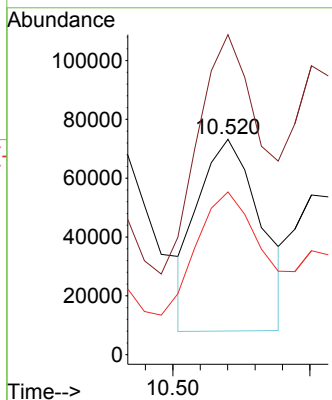
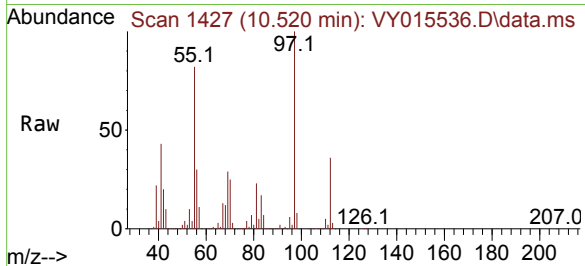




#56  
Ethyl methacrylate  
Concen: 21.377 ug/l  
RT: 10.520 min Scan# 1425  
Delta R.T. 0.012 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

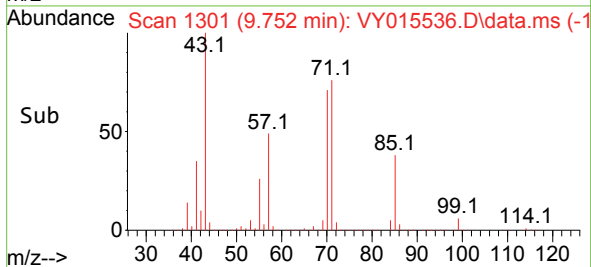
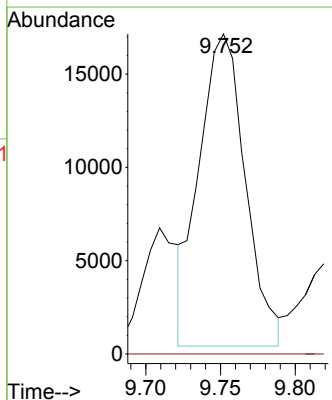
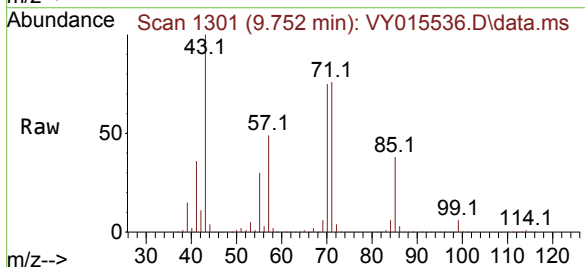
Instrument :  
MSVOA\_Y  
ClientSampleId :

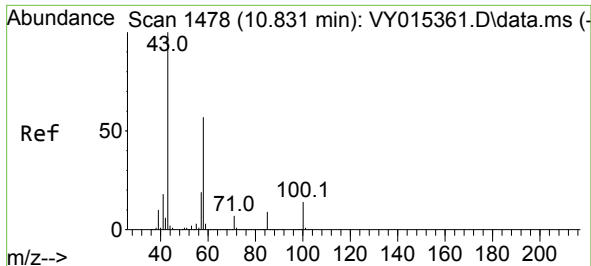
Tgt Ion: 69 Resp: 103161  
Ion Ratio Lower Upper  
69 100  
41 160.2 57.6 86.4#  
39 69.2 34.1 51.1#



#58  
2-Chloroethyl Vinyl ether  
Concen: 20.856 ug/l  
RT: 9.752 min Scan# 1301  
Delta R.T. -0.024 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 63 Resp: 35925  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.2 31.8#

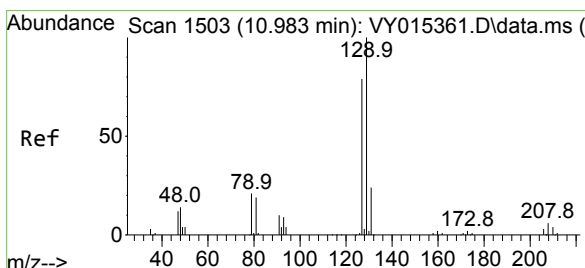
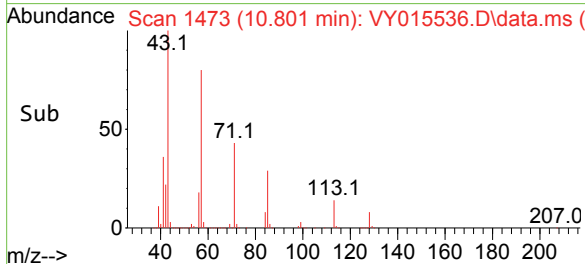
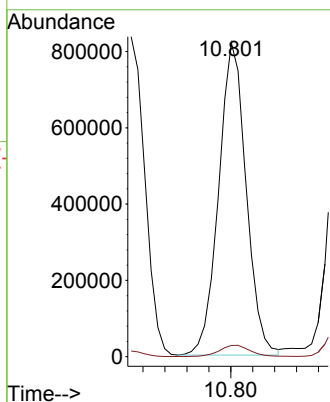
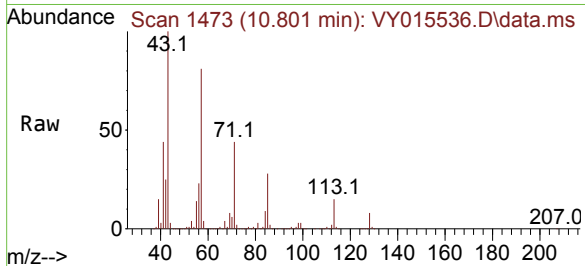




#59  
2-Hexanone  
Concen: 474.554 ug/l  
RT: 10.801 min Scan# 1473  
Delta R.T. -0.030 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

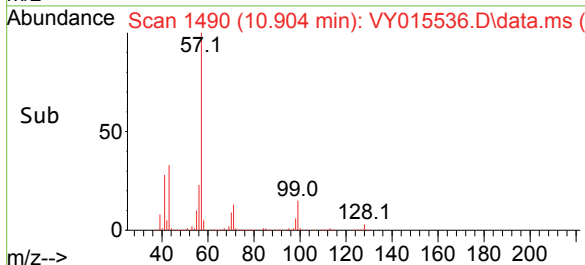
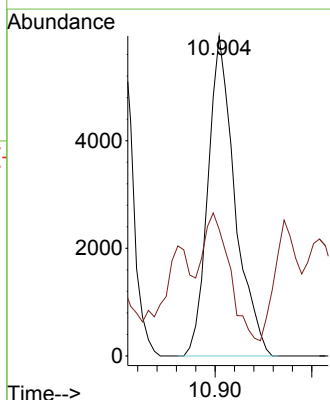
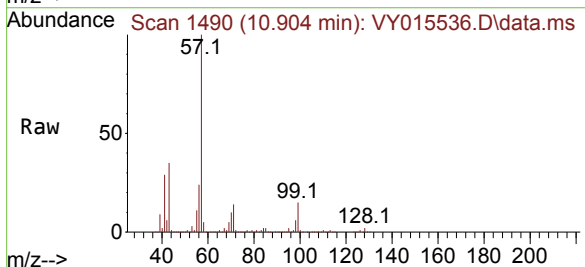
Instrument :  
MSVOA\_Y  
ClientSampleId :

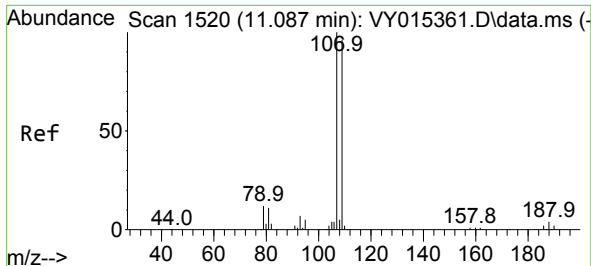
Tgt Ion: 43 Resp: 1427900  
Ion Ratio Lower Upper  
43 100  
58 4.0 25.1 75.3#



#60  
Dibromochloromethane  
Concen: 3.018 ug/l  
RT: 10.904 min Scan# 1490  
Delta R.T. -0.079 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion:129 Resp: 11505  
Ion Ratio Lower Upper  
129 100  
127 39.1 38.5 115.5

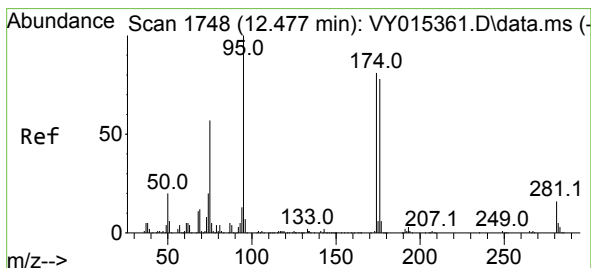
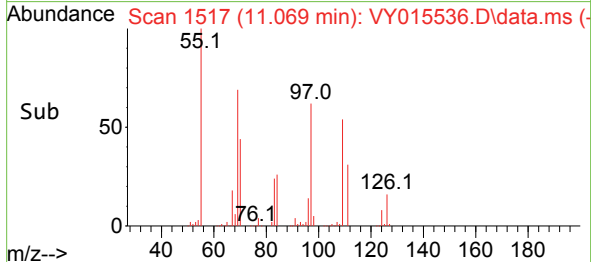
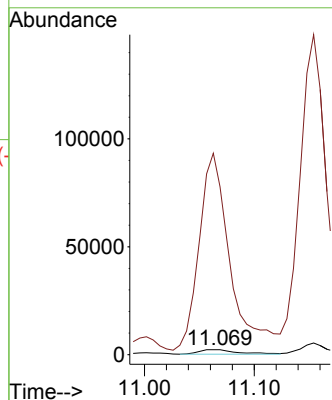
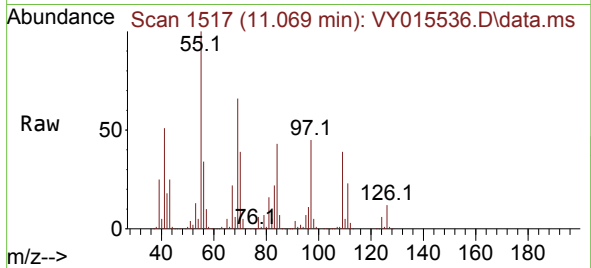




#61  
1,2-Dibromoethane  
Concen: 1.553 ug/l  
RT: 11.069 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

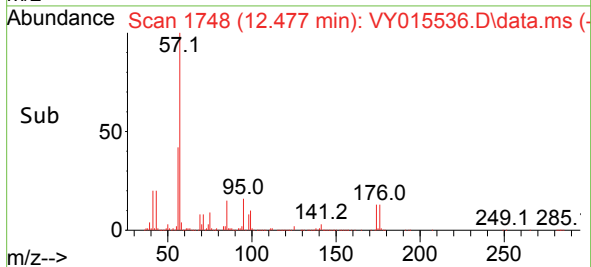
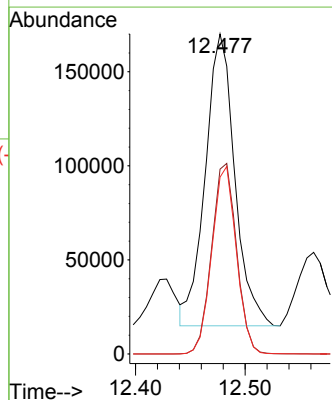
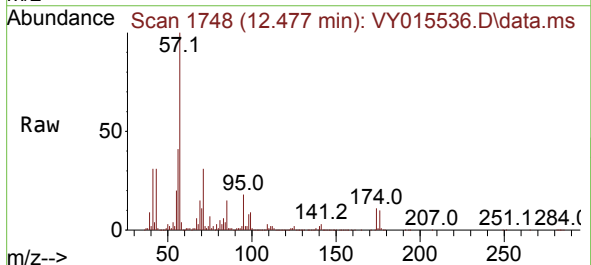
Instrument :  
MSVOA\_Y  
ClientSampleId :

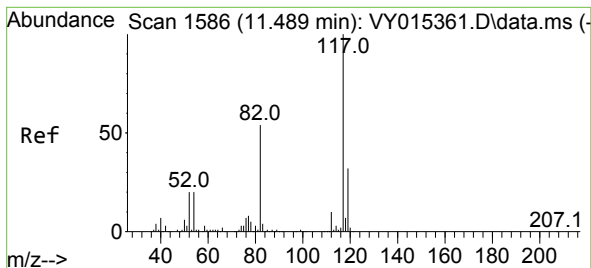
Tgt Ion:107 Resp: 5126  
Ion Ratio Lower Upper  
107 100  
109 3513.7 75.6 113.4#



#62  
4-Bromofluorobenzene  
Concen: 73.065 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 95 Resp: 289400  
Ion Ratio Lower Upper  
95 100  
174 55.5 0.0 178.2  
176 53.5 0.0 173.8

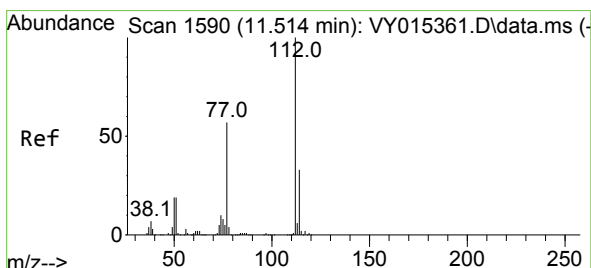
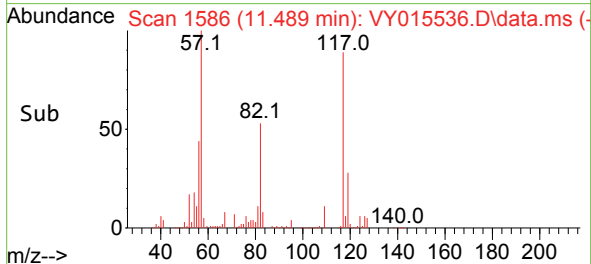
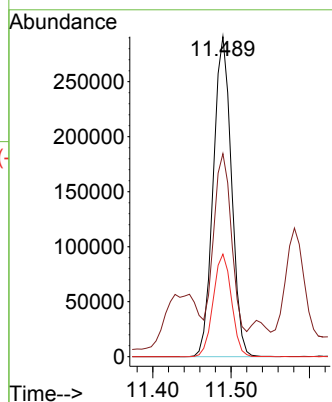
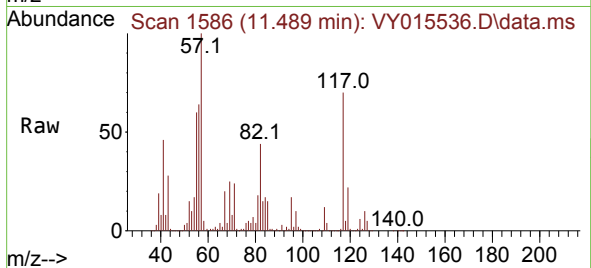




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

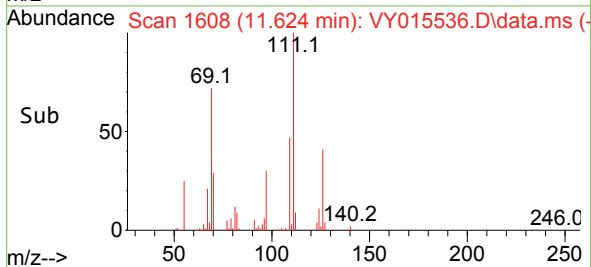
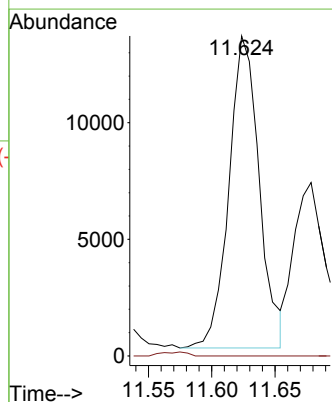
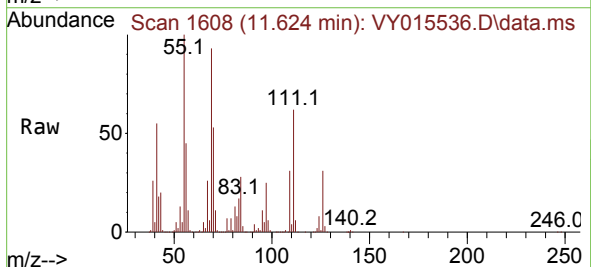
Instrument :  
MSVOA\_Y  
ClientSampleId :

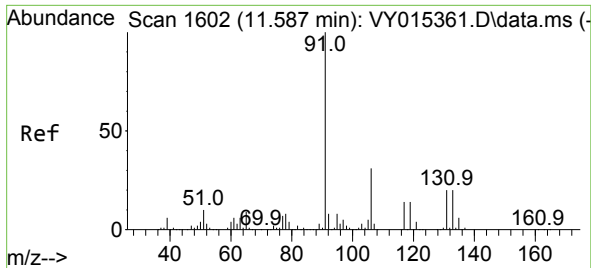
Tgt Ion:117 Resp: 469117  
Ion Ratio Lower Upper  
117 100  
82 50.2 43.4 65.0  
119 32.1 26.3 39.5



#65  
Chlorobenzene  
Concen: 2.208 ug/l  
RT: 11.624 min Scan# 1608  
Delta R.T. 0.110 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion:112 Resp: 22319  
Ion Ratio Lower Upper  
112 100  
114 0.0 25.5 38.3#

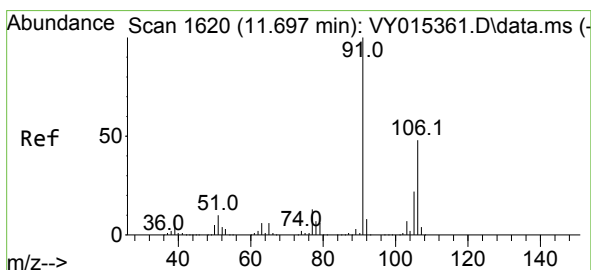
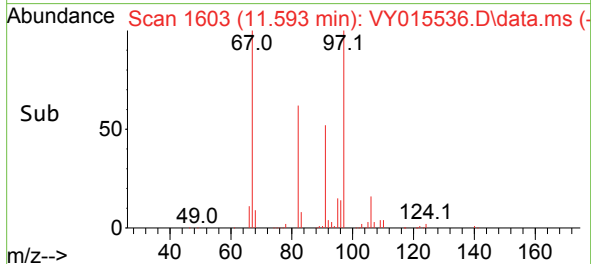
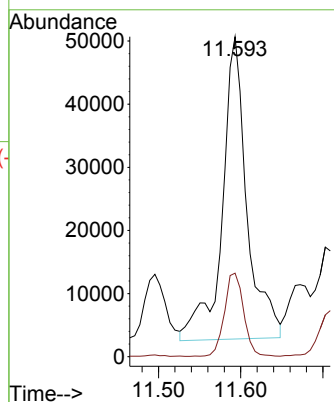
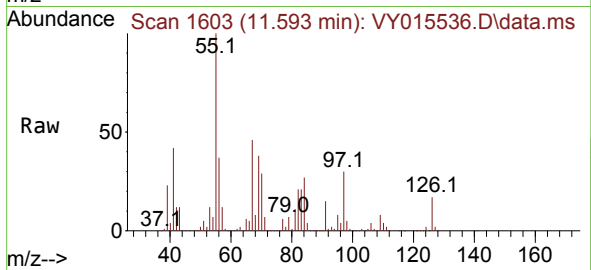




#67  
Ethyl Benzene  
Concen: 5.535 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

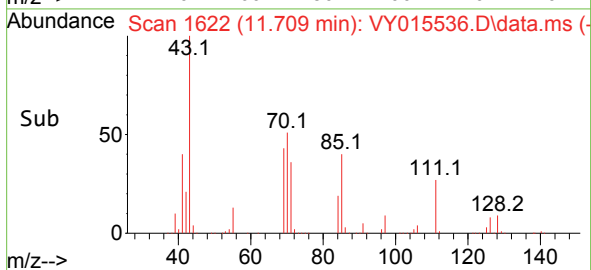
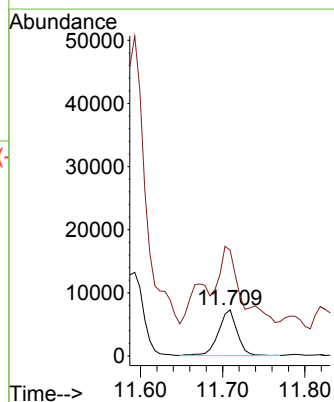
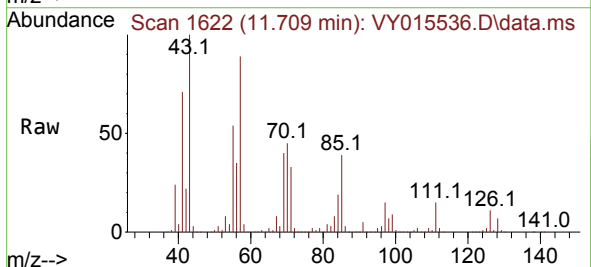
Instrument :  
MSVOA\_Y  
ClientSampleId :

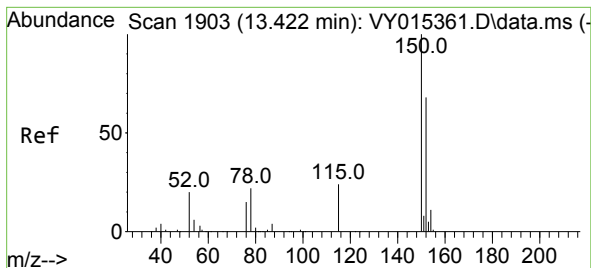
Tgt Ion: 91 Resp: 100466  
Ion Ratio Lower Upper  
91 100  
106 28.1 24.6 36.8



#68  
m/p-Xylenes  
Concen: 1.631 ug/l  
RT: 11.709 min Scan# 1622  
Delta R.T. 0.006 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 106 Resp: 11476  
Ion Ratio Lower Upper  
106 100  
91 270.7 166.1 249.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

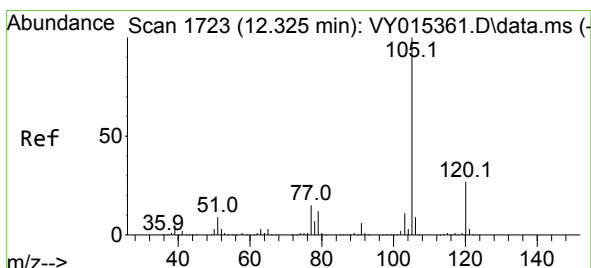
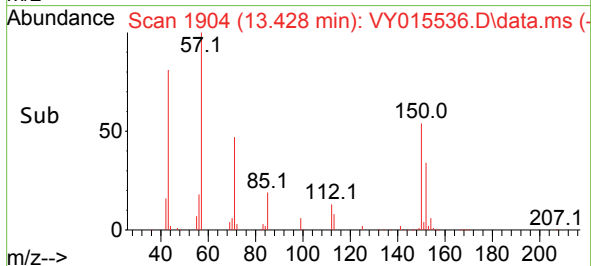
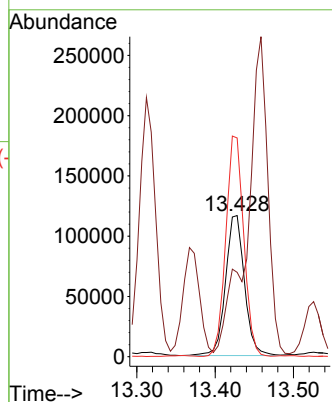
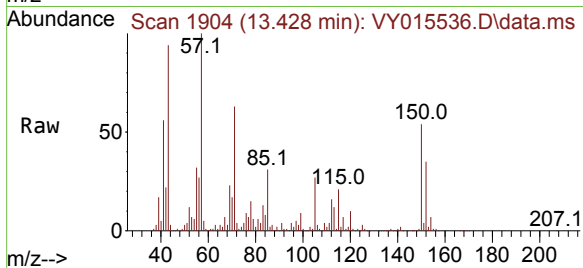
Tgt Ion:152 Resp: 194858

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 149.3 0.0 348.8



#73

Isopropylbenzene

Concen: 39.337 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VY015536.D

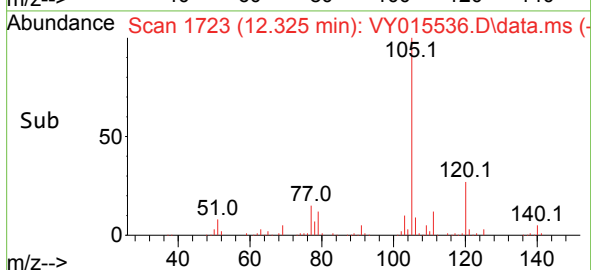
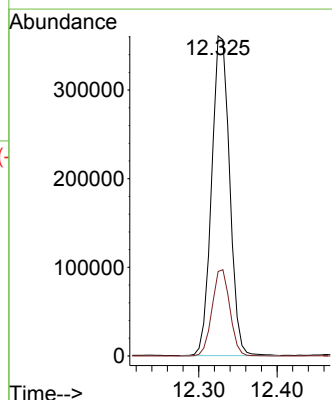
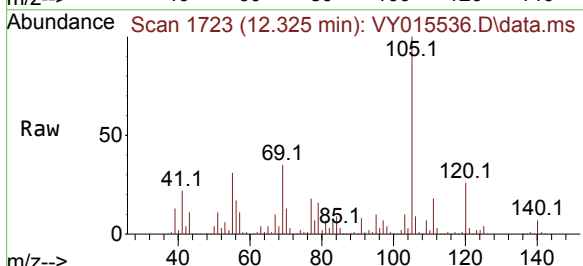
Acq: 14 Sep 2023 16:15

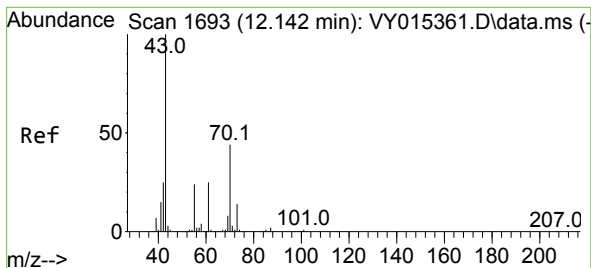
Tgt Ion:105 Resp: 575752

Ion Ratio Lower Upper

105 100

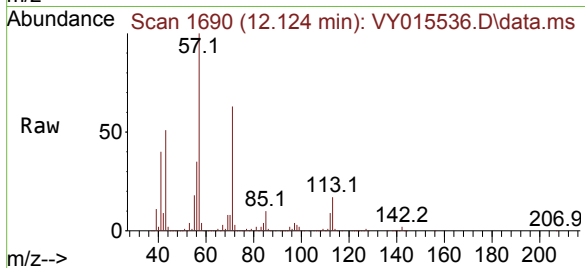
120 26.6 13.3 39.9



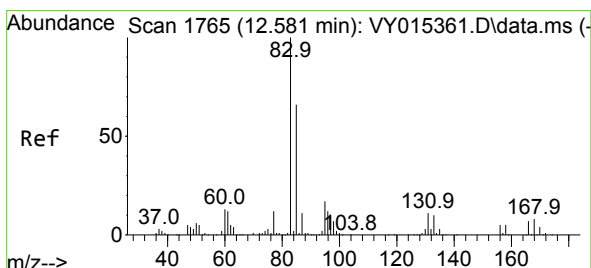
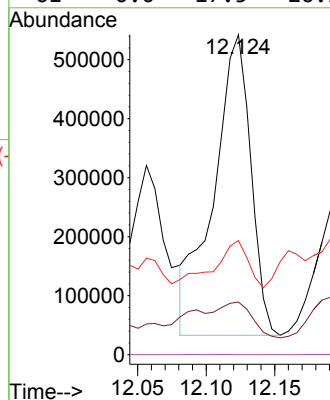
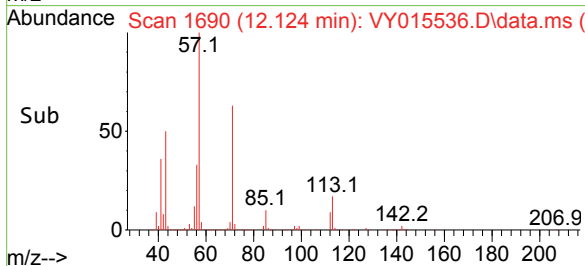


#74  
N-amy1 acetate  
Concen: 196.428 ug/l  
RT: 12.124 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

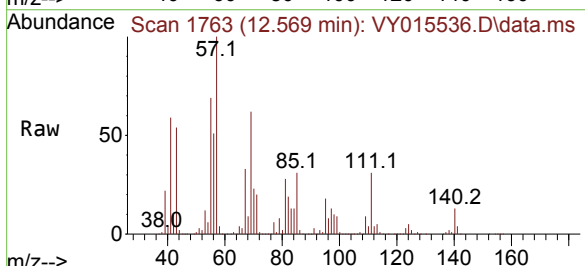
Instrument :  
MSVOA\_Y  
ClientSampleId :



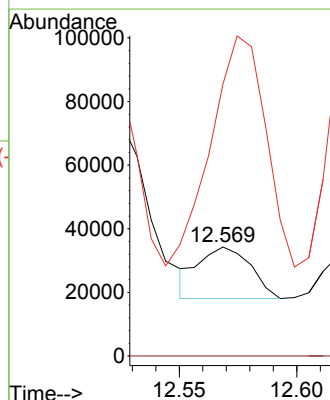
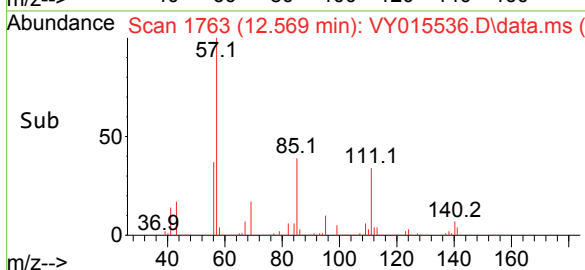
Tgt Ion: 43 Resp: 965897  
Ion Ratio Lower Upper  
43 100  
70 9.8 29.7 44.5#  
55 11.0 18.3 27.5#  
61 0.0 17.5 26.3#

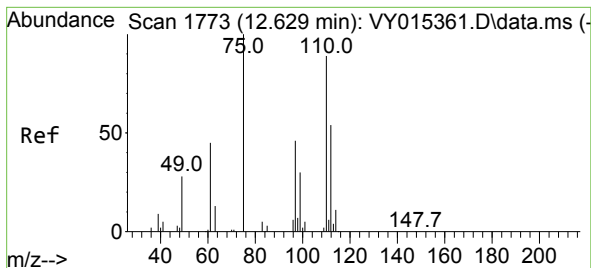


#75  
1,1,2,2-Tetrachloroethane  
Concen: 7.086 ug/l  
RT: 12.569 min Scan# 1763  
Delta R.T. -0.012 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15



Tgt Ion: 83 Resp: 24757  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.4 16.2#  
85 604.0 31.8 95.4#

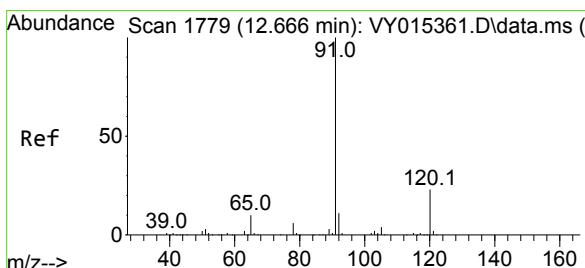
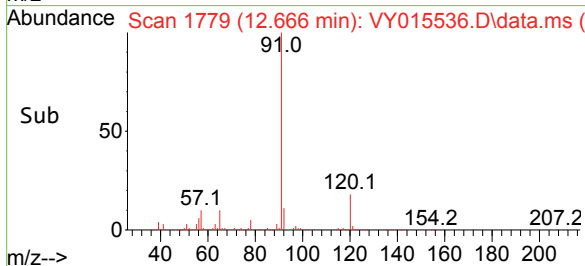
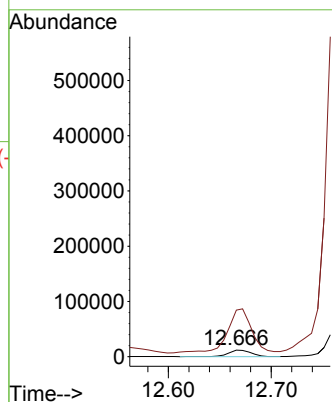
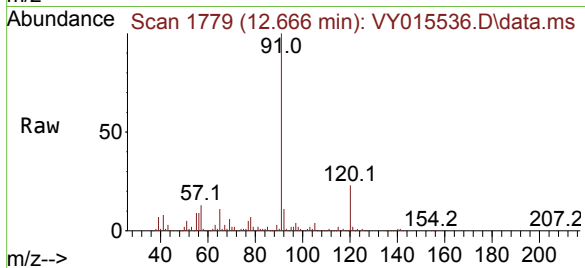




#76  
1,2,3-Trichloropropane  
Concen: 7.038 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. 0.037 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

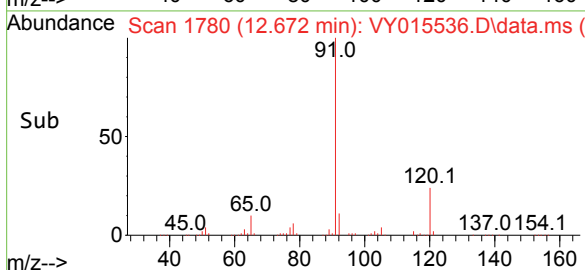
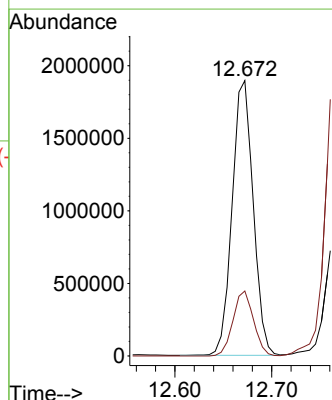
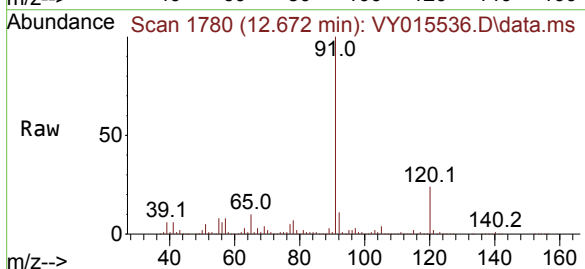
Instrument :  
MSVOA\_Y  
ClientSampleId :

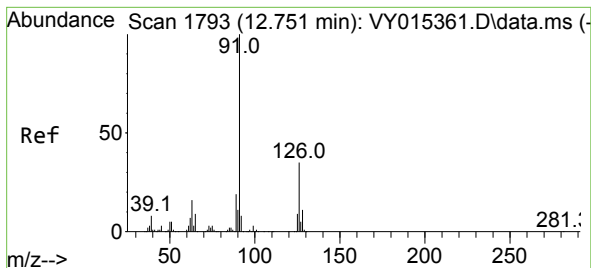
Tgt Ion: 75 Resp: 18186  
Ion Ratio Lower Upper  
75 100  
77 718.9 0.0 0.0#



#78  
n-propylbenzene  
Concen: 161.941 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.006 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 91 Resp: 2868059  
Ion Ratio Lower Upper  
91 100  
120 23.1 11.5 34.4

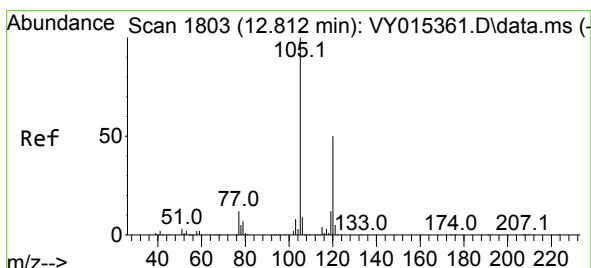
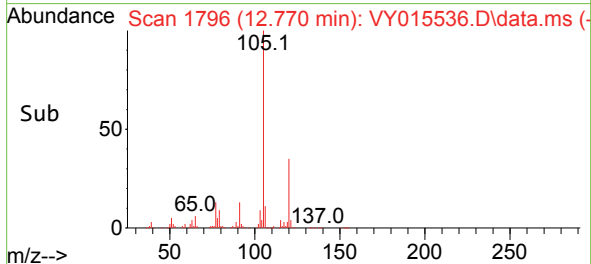
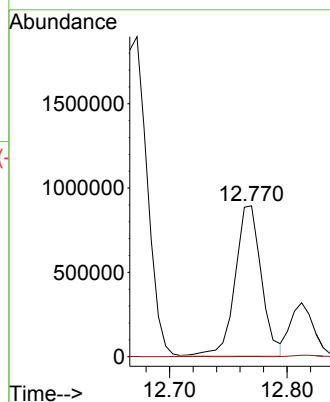
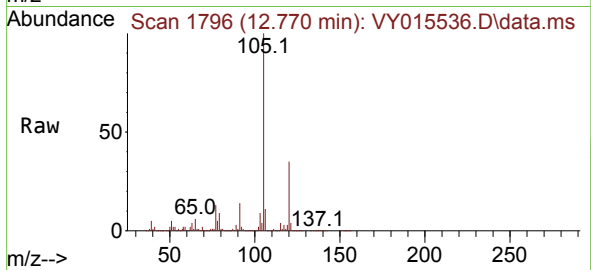




#79  
2-Chlorotoluene  
Concen: 138.889 ug/l  
RT: 12.770 min Scan# 1796  
Delta R.T. 0.018 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

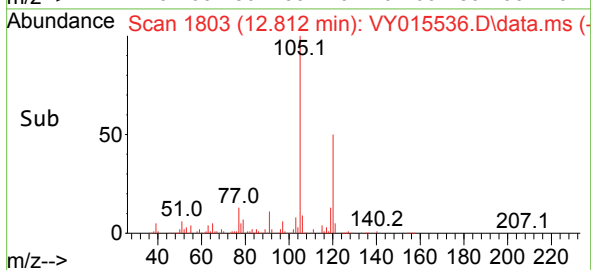
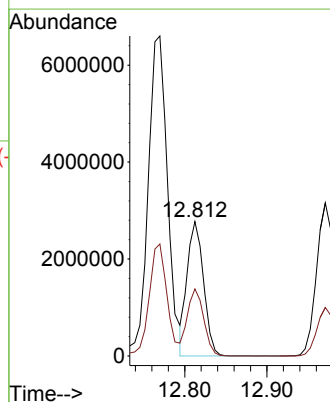
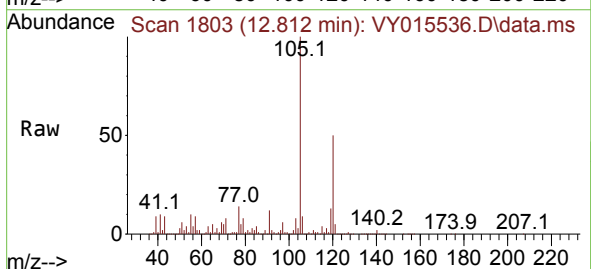
Instrument :  
MSVOA\_Y  
ClientSampleId :

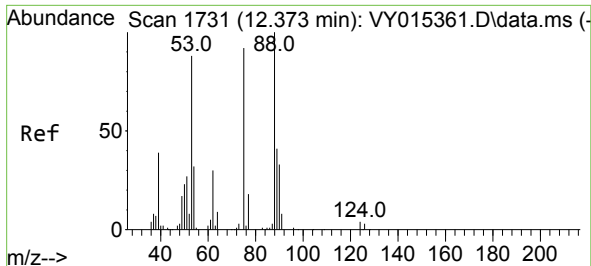
Tgt Ion: 91 Resp: 1379661  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.3 51.7#



#80  
1,3,5-Trimethylbenzene  
Concen: 313.149 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 105 Resp: 3833687  
Ion Ratio Lower Upper  
105 100  
120 49.6 23.9 71.7

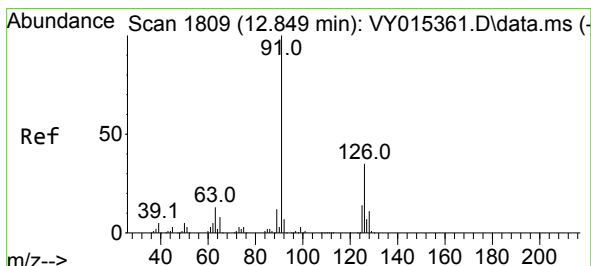
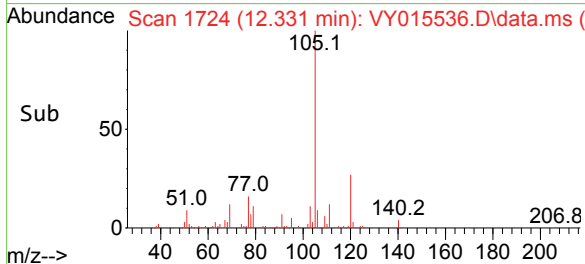
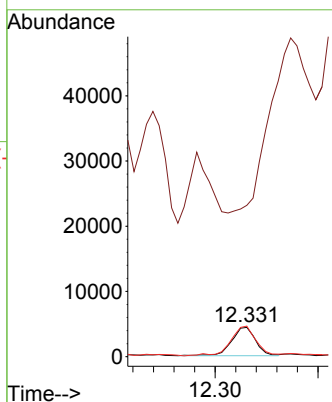
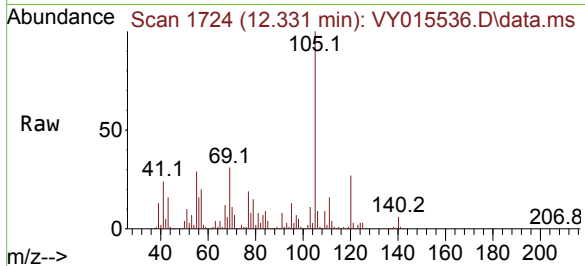




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.985 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.049 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

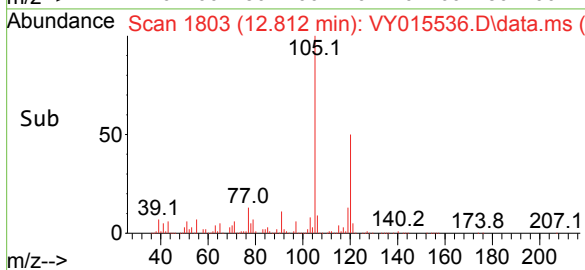
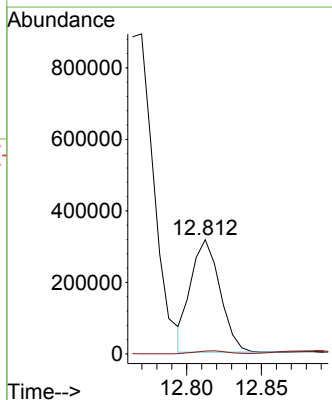
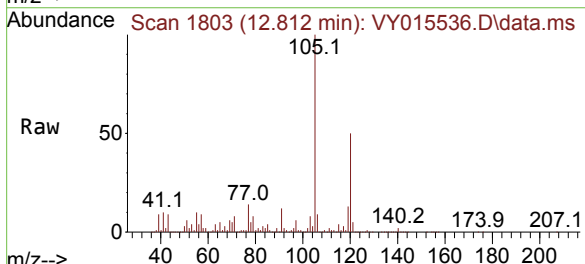
Instrument :  
MSVOA\_Y  
ClientSampleId :

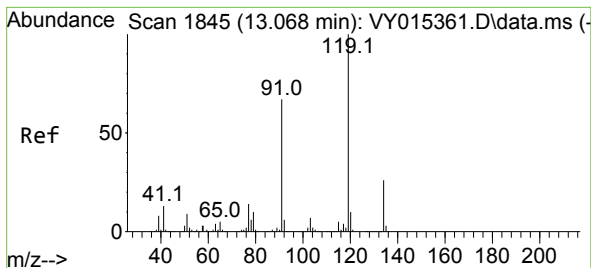
Tgt Ion: 75 Resp: 7011  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 111.4 37.4 56.0#



#82  
4-Chlorotoluene  
Concen: 41.316 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.037 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion: 91 Resp: 426542  
Ion Ratio Lower Upper  
91 100  
126 3.0 17.2 51.6#





#83

tert-Butylbenzene

Concen: 224.571 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.049 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

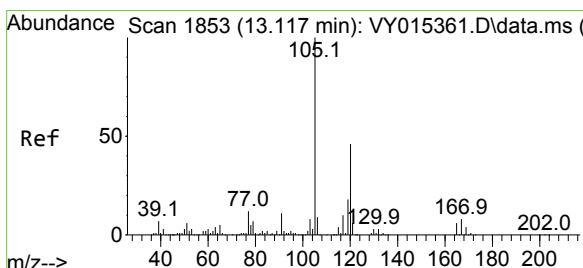
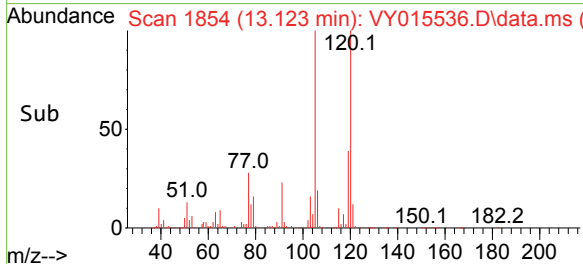
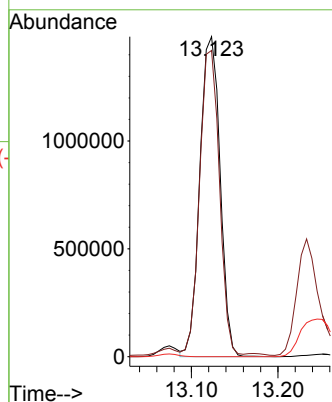
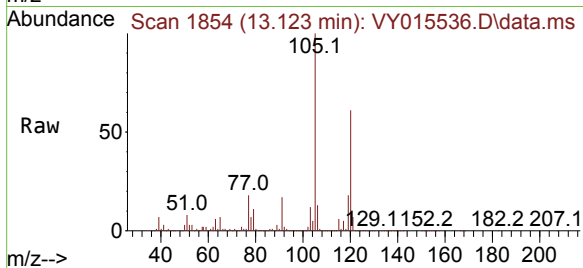
Tgt Ion:119 Resp: 2408026

Ion Ratio Lower Upper

119 100

91 92.5 32.9 98.6

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 1289.247 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015536.D

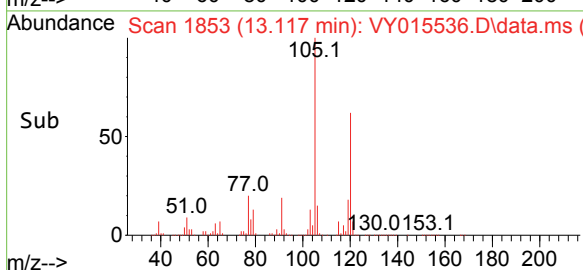
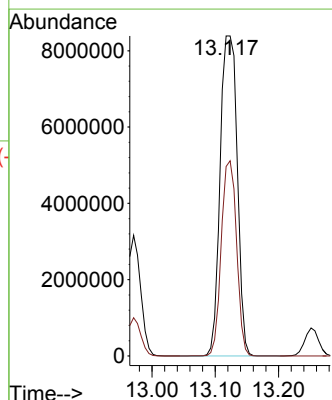
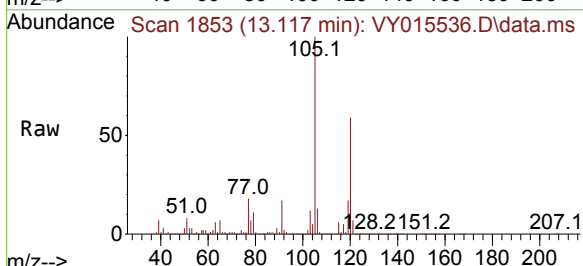
Acq: 14 Sep 2023 16:15

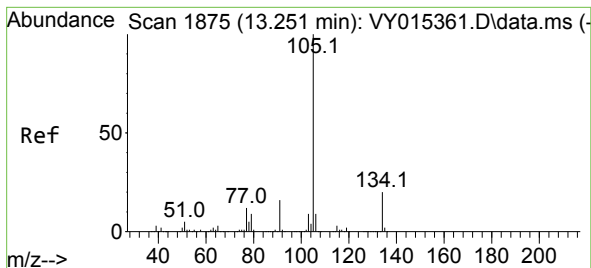
Tgt Ion:105 Resp:15671201

Ion Ratio Lower Upper

105 100

120 54.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 69.344 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

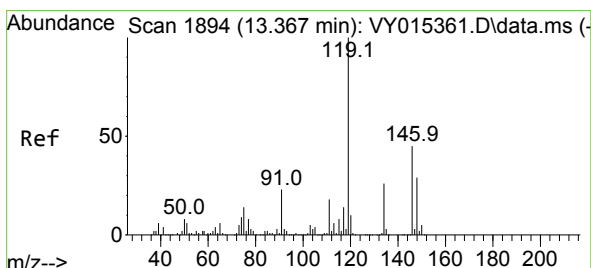
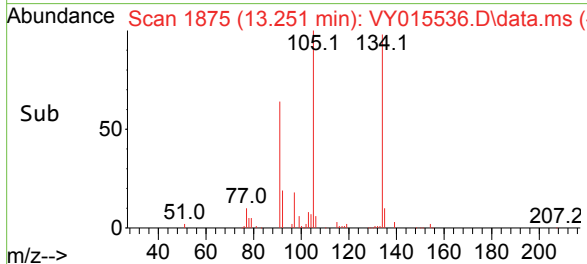
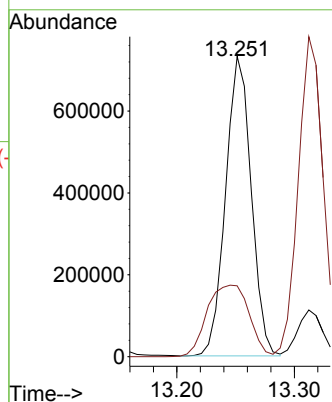
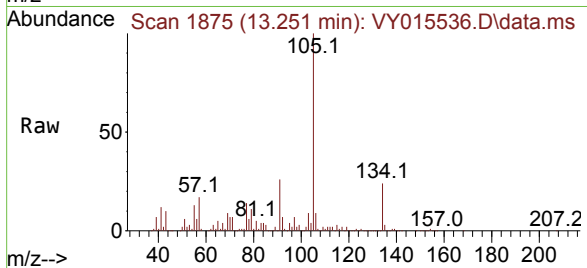
ClientSampleId :

Tgt Ion:105 Resp: 1109048

Ion Ratio Lower Upper

105 100

134 39.1 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 130.113 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

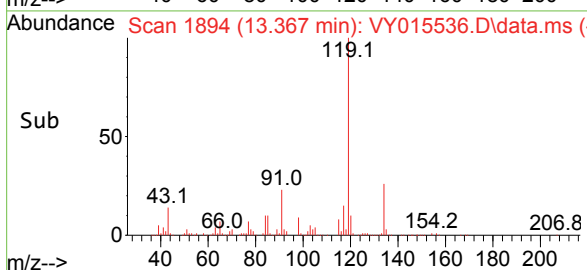
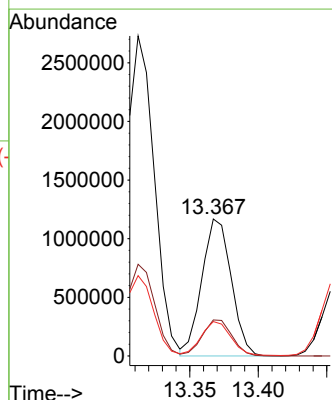
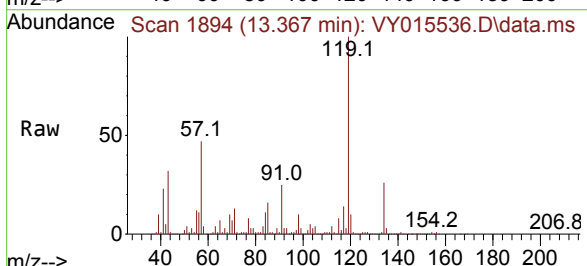
Tgt Ion:119 Resp: 1744084

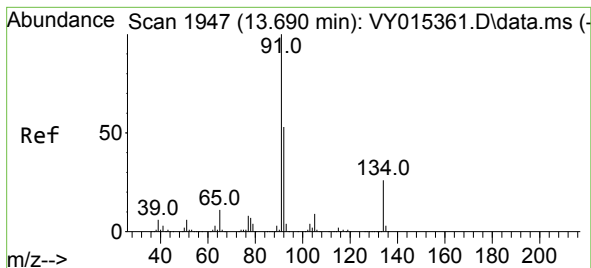
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 24.8 12.4 37.4





#89

n-Butylbenzene

Concen: 477.961 ug/l

RT: 13.666 min Scan# 1943

Delta R.T. -0.030 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

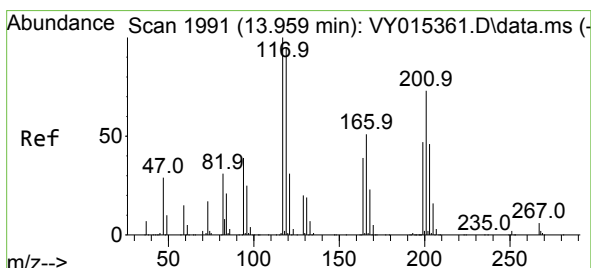
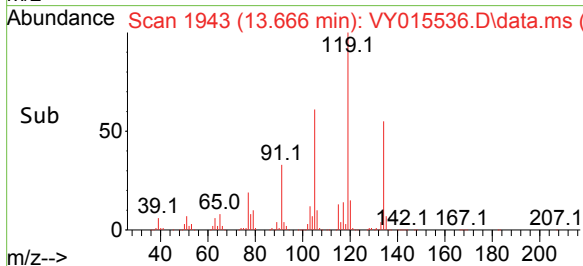
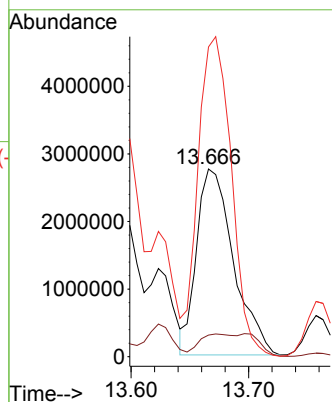
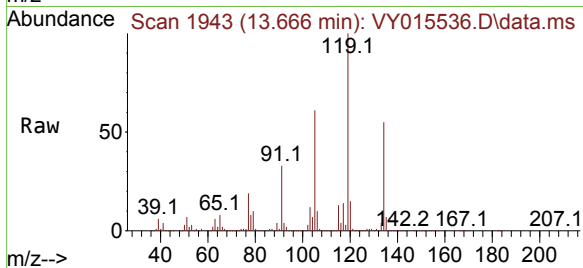
Tgt Ion: 91 Resp: 6030136

Ion Ratio Lower Upper

91 100

92 9.3 25.4 76.0#

134 155.1 12.6 37.6#



#90

Hexachloroethane

Concen: 1354.690 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.024 min

Lab File: VY015536.D

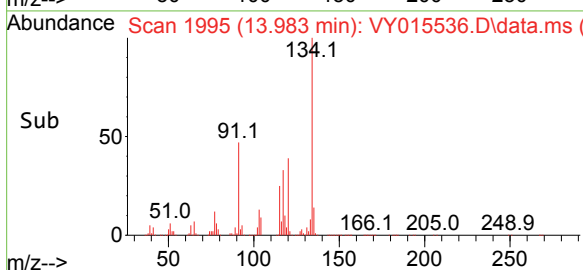
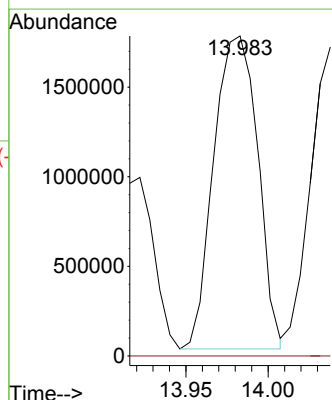
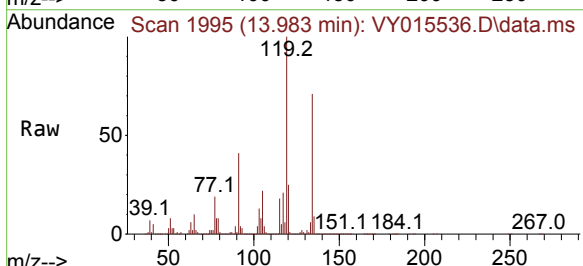
Acq: 14 Sep 2023 16:15

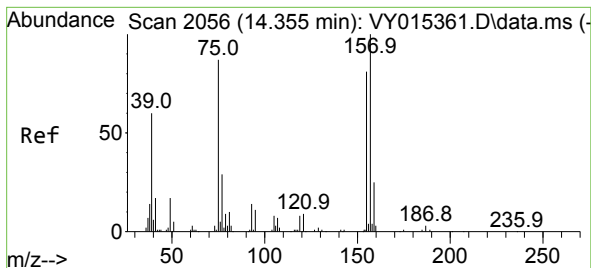
Tgt Ion: 117 Resp: 3247687

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

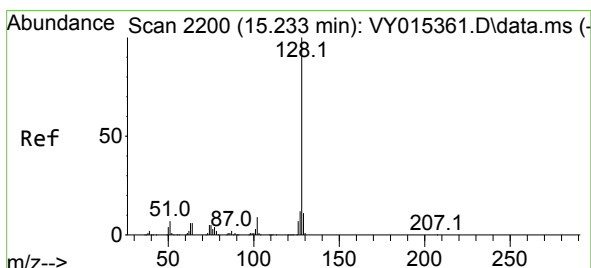
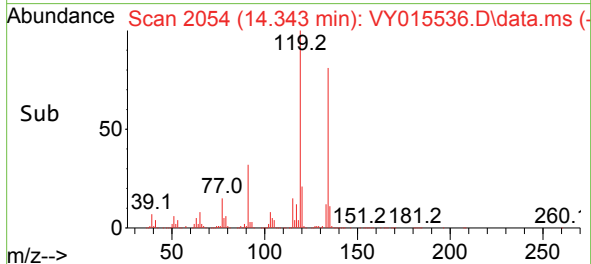
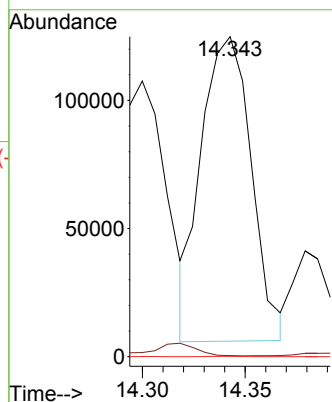
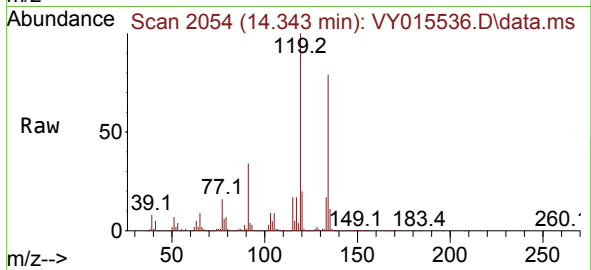




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 291.053 ug/l  
RT: 14.343 min Scan# 2054  
Delta R.T. -0.012 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 201168  
Ion Ratio Lower Upper  
75 100  
155 0.0 41.5 124.6#  
157 0.1 51.8 155.5#



#95  
Naphthalene  
Concen: 20.568 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY015536.D  
Acq: 14 Sep 2023 16:15

Tgt Ion:128 Resp: 199835  
Ion Ratio Lower Upper  
128 100  
127 42.9 10.8 16.2#  
129 0.0 8.6 13.0#

