

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101023\  
 Data File : VY015907.D  
 Acq On : 10 Oct 2023 19:12  
 Operator : SY/MD  
 Sample : 04805-01  
 Misc : 4.42g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 11 01:24:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 10 07:06:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 144915   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 251590   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 203513   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 58335    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 83526    | 64.056   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 128.120% |      |
| 35) Dibromofluoromethane    | 7.728  | 113   | 81039    | 57.748   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 115.500% |      |
| 50) Toluene-d8              | 10.185 | 98    | 287700   | 62.207   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 124.420% |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 73398    | 39.072   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 78.140%  |      |

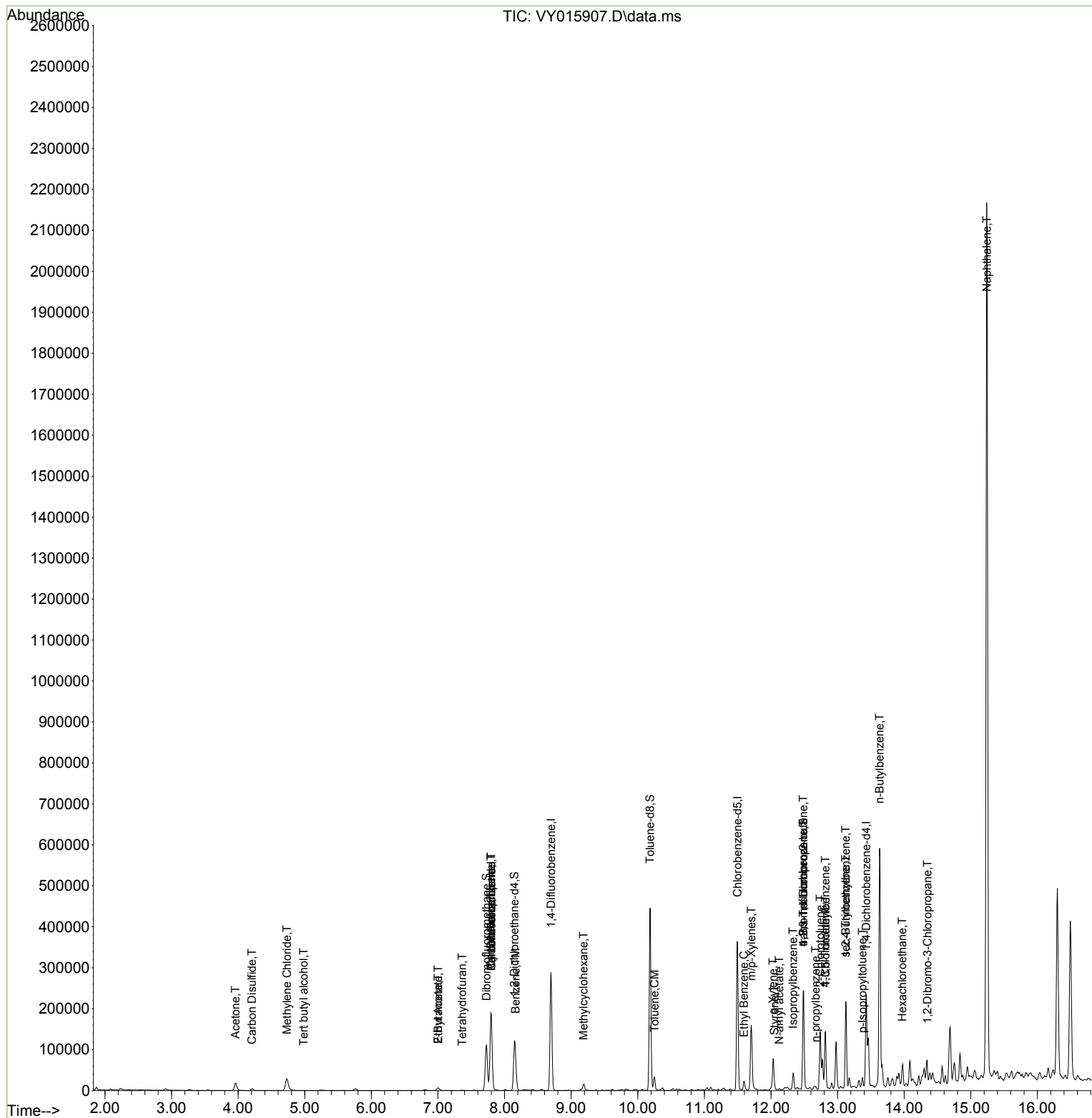
|                               |        |     |         |         |        |     |
|-------------------------------|--------|-----|---------|---------|--------|-----|
| Target Compounds              |        |     |         |         | Qvalue |     |
| 11) Tert butyl alcohol        | 4.985  | 59  | 146     | 11.230  | ug/l # | 89  |
| 16) Acetone                   | 3.960  | 43  | 31248   | 53.855  | ug/l # | 88  |
| 17) Carbon Disulfide          | 4.204  | 76  | 7764    | 8.590   | ug/l   | 95  |
| 20) Methylene Chloride        | 4.735  | 84  | 22203   | 8.552   | ug/l   | 84  |
| 25) 2-Butanone                | 7.003  | 43  | 10677   | 14.927  | ug/l   | 91  |
| 29) Tetrahydrofuran           | 7.362  | 42  | 559     | 1.429   | ug/l # | 85  |
| 31) Cyclohexane               | 7.795  | 56  | 5514    | 3.948   | ug/l # | 36  |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 10592   | 6.815   | ug/l # | 51  |
| 37) Ethyl Acetate             | 7.003  | 43  | 10677   | 7.999   | ug/l # | 71  |
| 38) Carbon Tetrachloride      | 7.801  | 117 | 13864   | 7.428   | ug/l # | 15  |
| 39) Methylcyclohexane         | 9.185  | 83  | 6198    | 3.926   | ug/l # | 86  |
| 40) Benzene                   | 8.167  | 78  | 29913   | 6.124   | ug/l   | 99  |
| 52) Toluene                   | 10.252 | 92  | 14106   | 4.351   | ug/l   | 95  |
| 67) Ethyl Benzene             | 11.593 | 91  | 14494   | 2.380   | ug/l   | 95  |
| 68) m/p-Xylenes               | 11.703 | 106 | 49165   | 21.425  | ug/l   | 93  |
| 69) o-Xylene                  | 12.032 | 106 | 19269   | 8.392   | ug/l   | 100 |
| 70) Styrene                   | 12.050 | 104 | 4416    | 1.102   | ug/l # | 38  |
| 73) Isopropylbenzene          | 12.331 | 105 | 24075   | 6.542   | ug/l   | 99  |
| 74) N-amyl acetate            | 12.124 | 43  | 1172    | 1.011   | ug/l # | 55  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 37447   | 54.989  | ug/l # | 100 |
| 78) n-propylbenzene           | 12.672 | 91  | 6482    | 1.465   | ug/l   | 95  |
| 79) 2-Chlorotoluene           | 12.739 | 91  | 9931    | 3.940   | ug/l # | 43  |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105 | 66288   | 21.856  | ug/l   | 97  |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 37447   | 121.938 | ug/l # | 11  |
| 82) 4-Chlorotoluene           | 12.819 | 91  | 6812    | 2.593   | ug/l # | 41  |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105 | 114039  | 37.338  | ug/l   | 98  |
| 85) sec-Butylbenzene          | 13.123 | 105 | 114039  | 27.473  | ug/l # | 56  |
| 86) p-Isopropyltoluene        | 13.373 | 119 | 10471   | 3.049   | ug/l   | 99  |
| 89) n-Butylbenzene            | 13.629 | 91  | 53326   | 16.410  | ug/l # | 48  |
| 90) Hexachloroethane          | 13.971 | 117 | 2382    | 3.457   | ug/l # | 8   |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75  | 341     | 2.035   | ug/l # | 3   |
| 95) Naphthalene               | 15.239 | 128 | 1782092 | 711.828 | ug/l   | 99  |

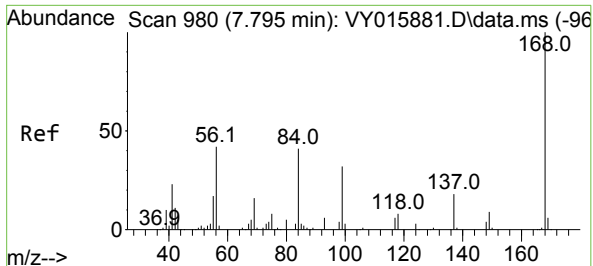
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101023\  
Data File : VY015907.D  
Acq On : 10 Oct 2023 19:12  
Operator : SY/MD  
Sample : 04805-01  
Misc : 4.42g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

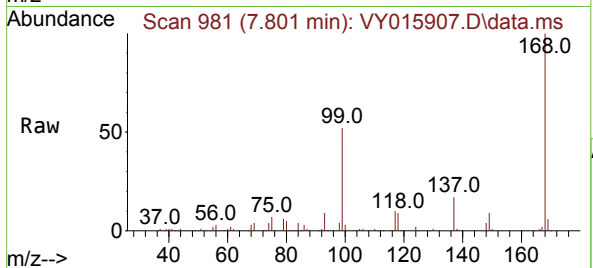
Quant Time: Oct 11 01:24:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 10 07:06:18 2023  
Response via : Initial Calibration



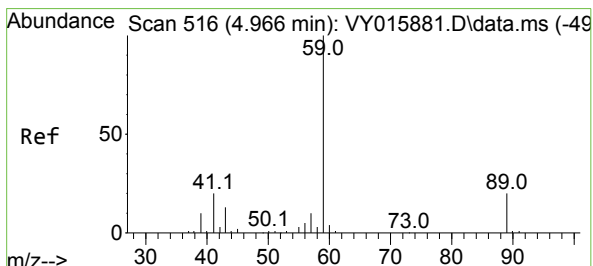
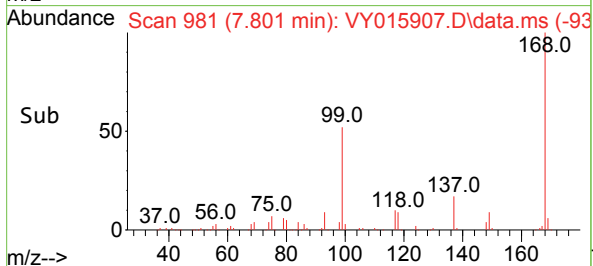
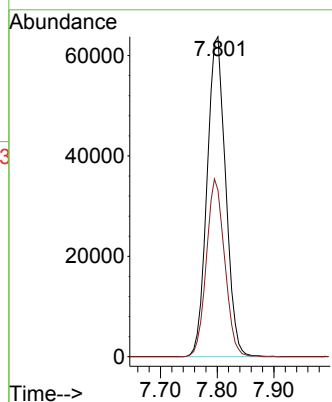


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

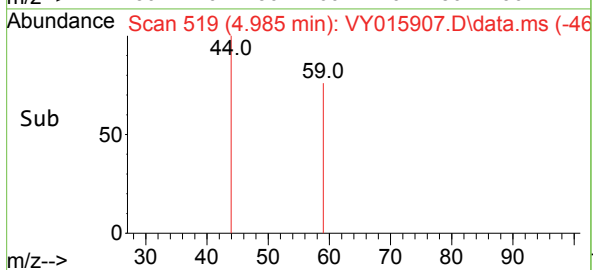
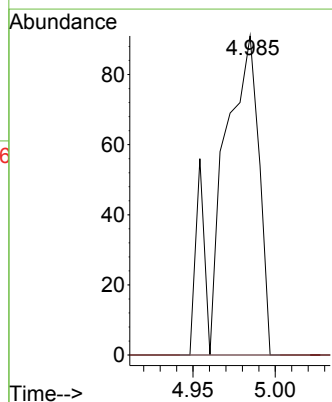
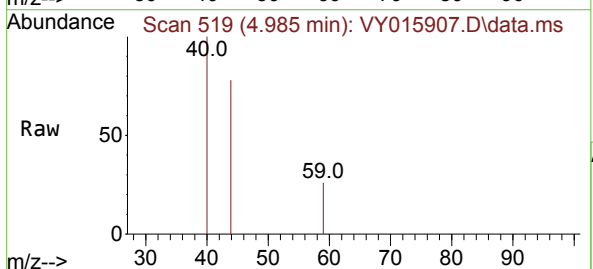


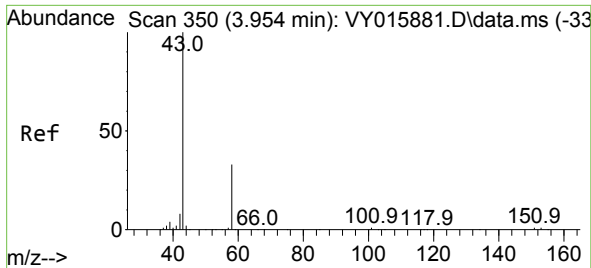
Tgt Ion:168 Resp: 144915  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 11.230 ug/l  
RT: 4.985 min Scan# 519  
Delta R.T. 0.019 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 59 Resp: 146  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

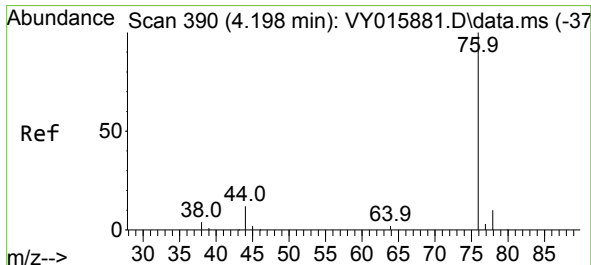
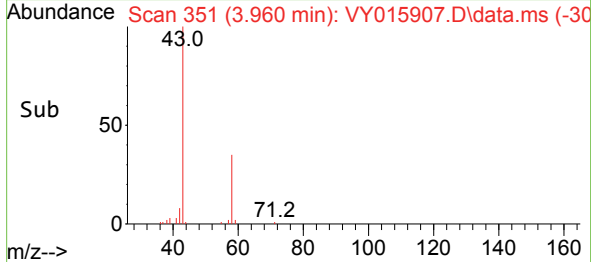
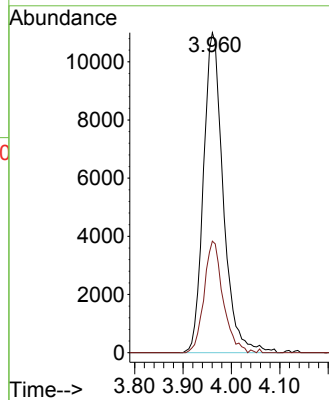
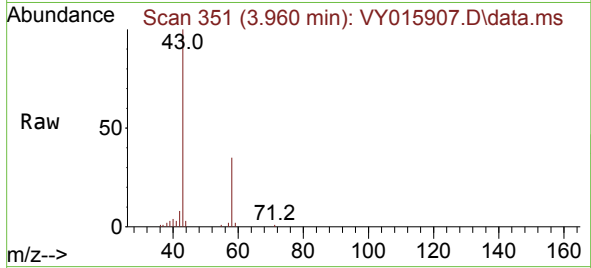




#16  
Acetone  
Concen: 53.855 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

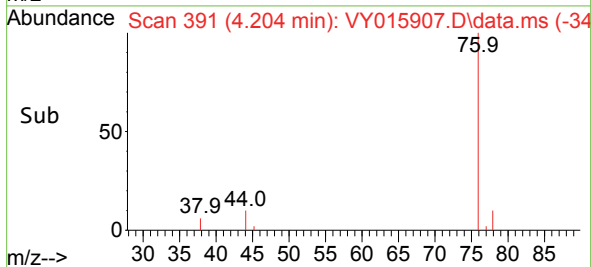
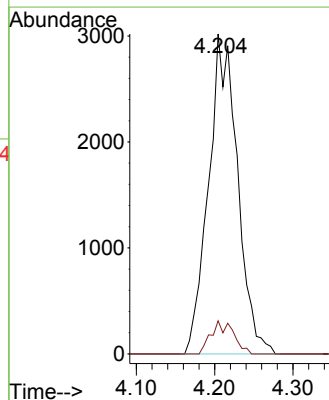
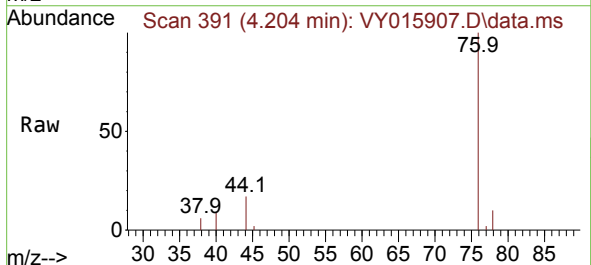
Instrument :  
MSVOA\_Y  
ClientSampleId :

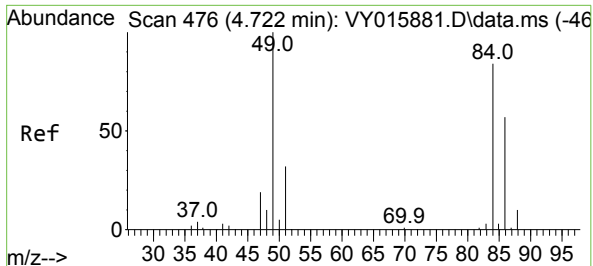
Tgt Ion: 43 Resp: 31248  
Ion Ratio Lower Upper  
43 100  
58 34.9 22.7 34.1#



#17  
Carbon Disulfide  
Concen: 8.590 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 76 Resp: 7764  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.0 10.4





#20

Methylene Chloride

Concen: 8.552 ug/l

RT: 4.735 min Scan# 41

Delta R.T. 0.013 min

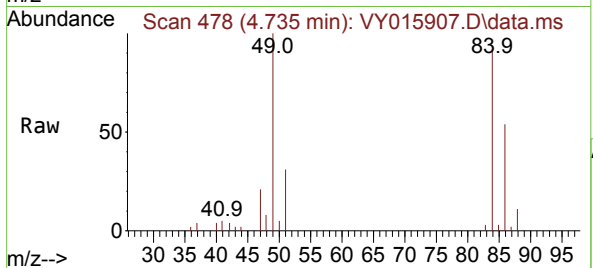
Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 22203

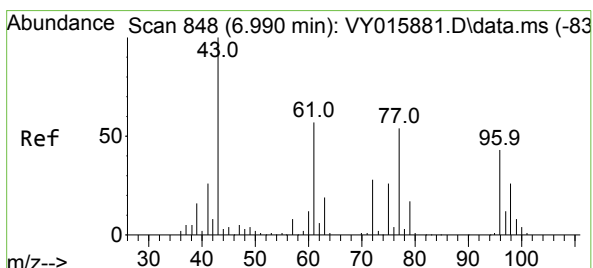
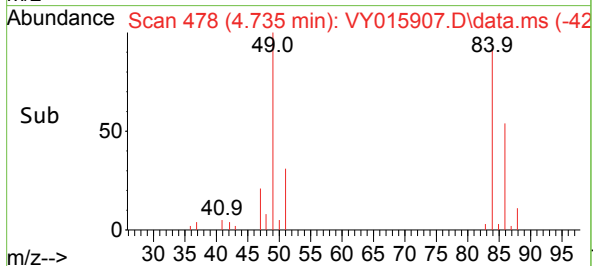
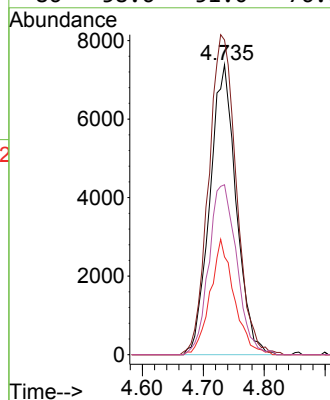
Ion Ratio Lower Upper

84 100

49 108.5 106.9 160.3

51 33.7 33.2 49.8

86 58.6 51.0 76.6



#25

2-Butanone

Concen: 14.927 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY015907.D

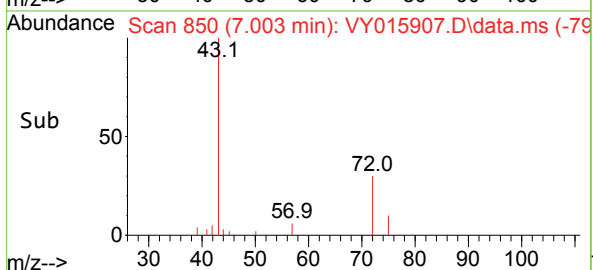
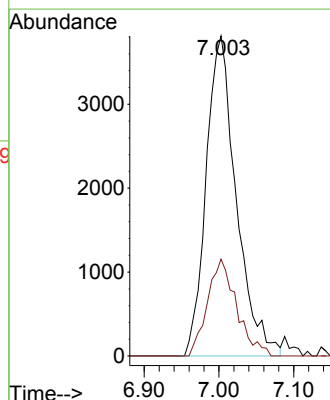
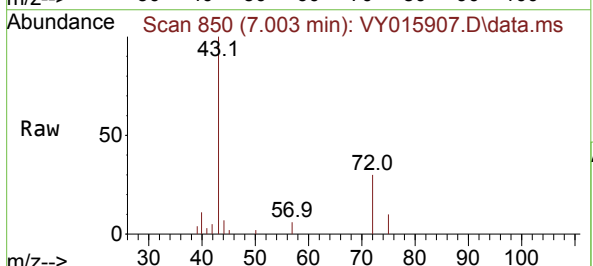
Acq: 10 Oct 2023 19:12

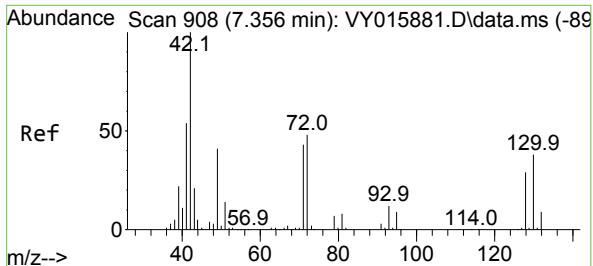
Tgt Ion: 43 Resp: 10677

Ion Ratio Lower Upper

43 100

72 30.3 20.5 30.7





#29

Tetrahydrofuran

Concen: 1.429 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

ClientSampleId :

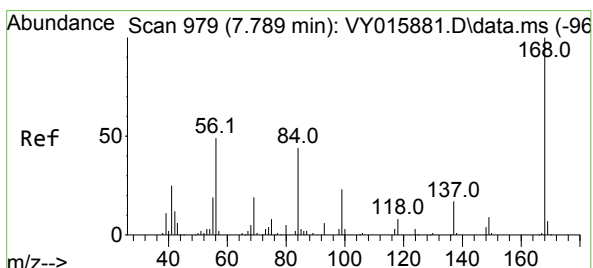
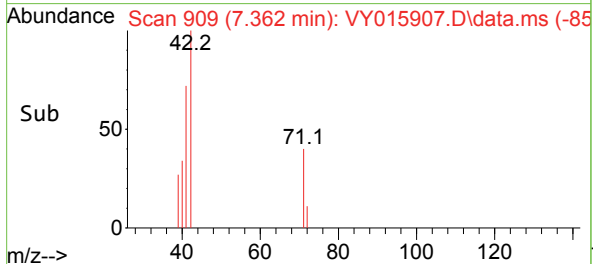
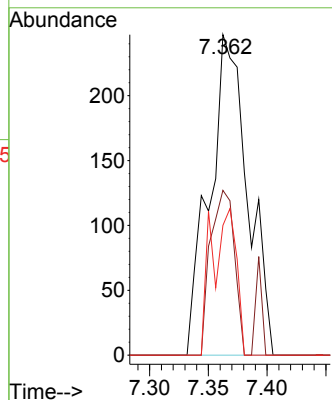
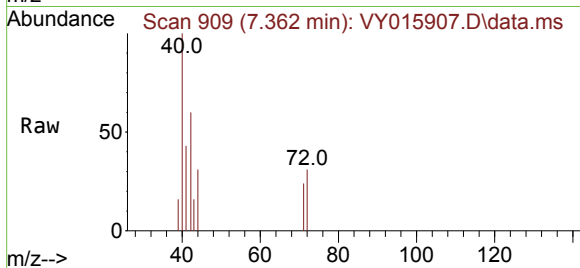
Tgt Ion: 42 Resp: 559

Ion Ratio Lower Upper

42 100

72 32.2 32.8 49.2#

71 29.5 31.0 46.4#



#31

Cyclohexane

Concen: 3.948 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

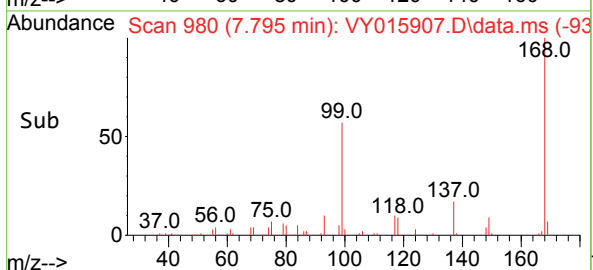
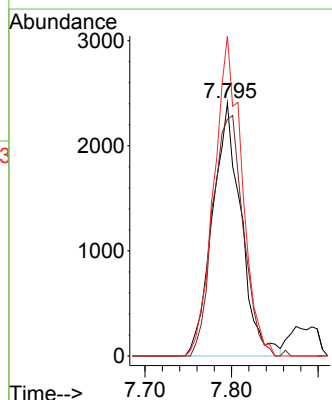
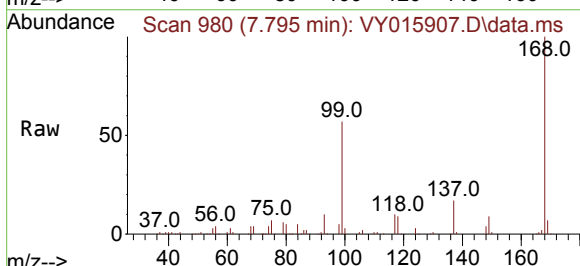
Tgt Ion: 56 Resp: 5514

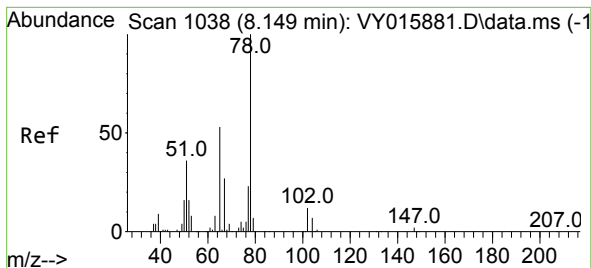
Ion Ratio Lower Upper

56 100

69 93.6 27.8 41.6#

84 126.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 64.056 ug/l

RT: 8.149 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

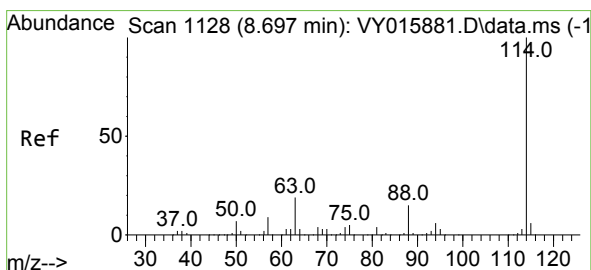
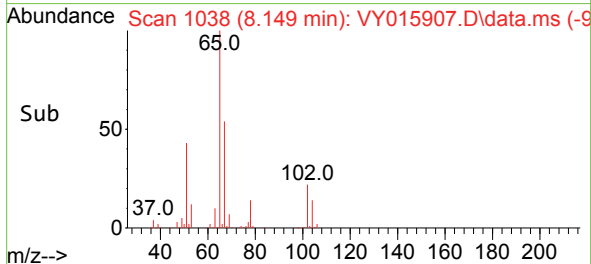
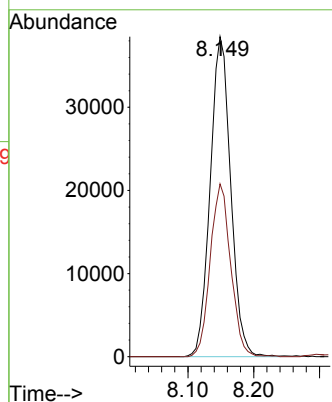
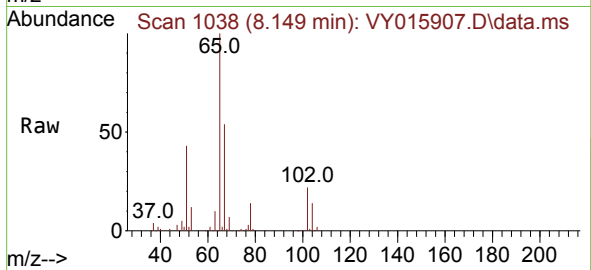
ClientSampleId :

Tgt Ion: 65 Resp: 83526

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

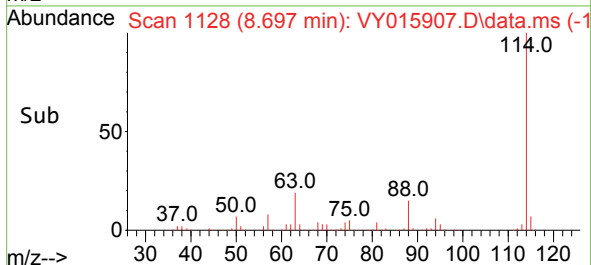
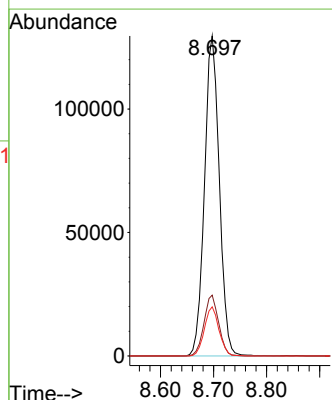
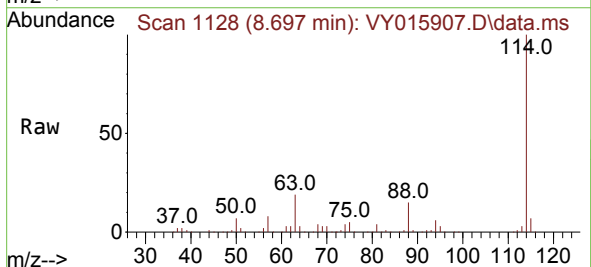
Tgt Ion: 114 Resp: 251590

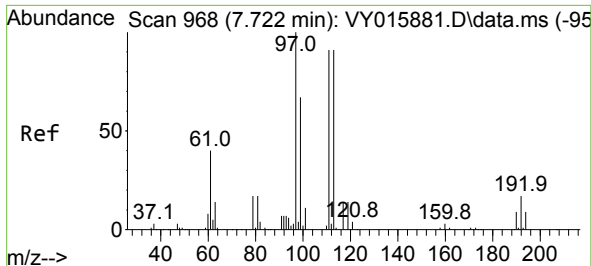
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.4 0.0 30.6

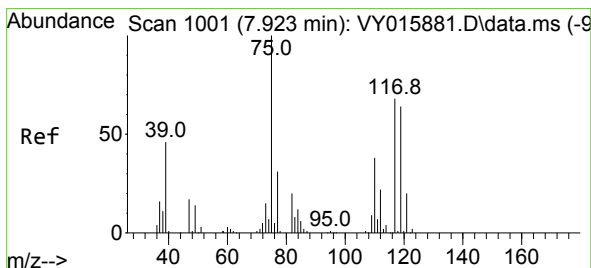
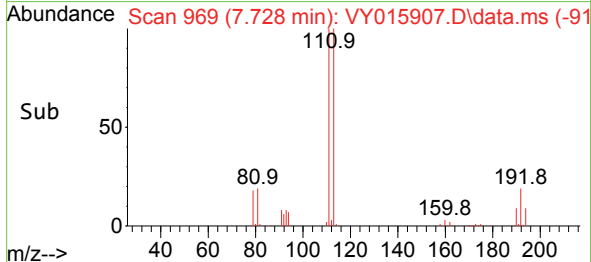
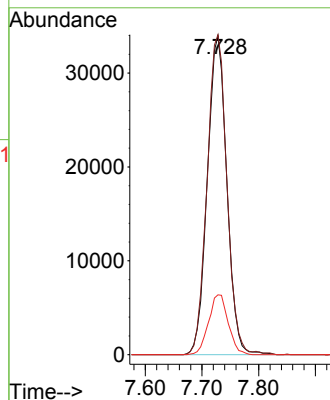
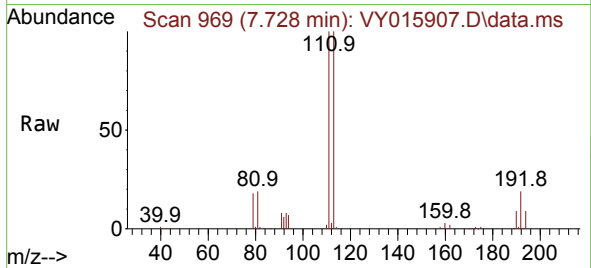




#35  
Dibromofluoromethane  
Concen: 57.748 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

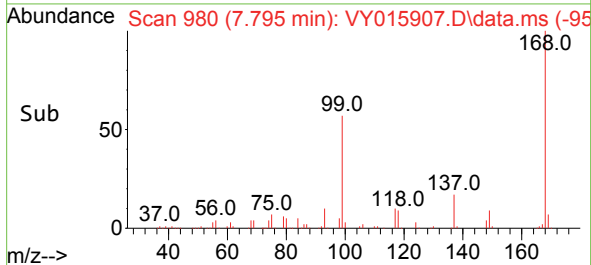
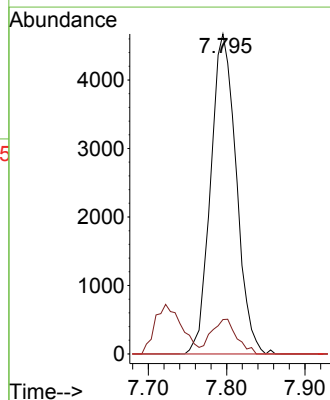
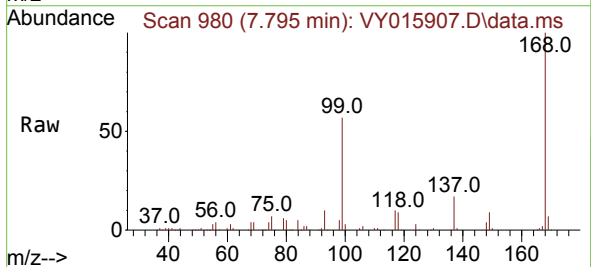
Instrument :  
MSVOA\_Y  
ClientSampleId :

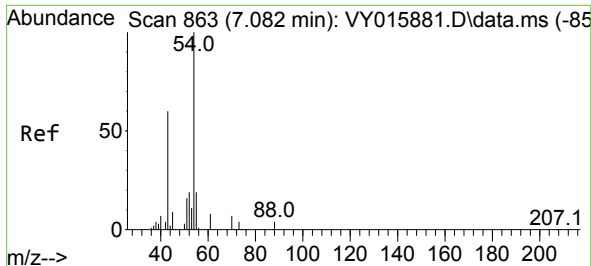
Tgt Ion:113 Resp: 81039  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.3 121.9  
192 19.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 6.815 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 75 Resp: 10592  
Ion Ratio Lower Upper  
75 100  
110 10.7 17.8 53.5#  
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.999 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.079 min

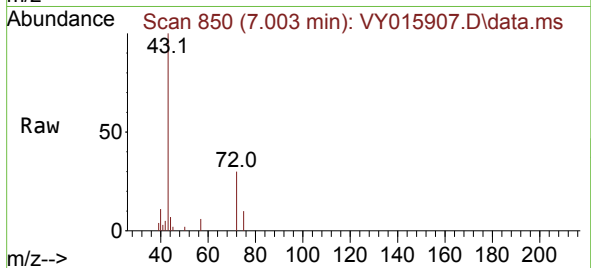
Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

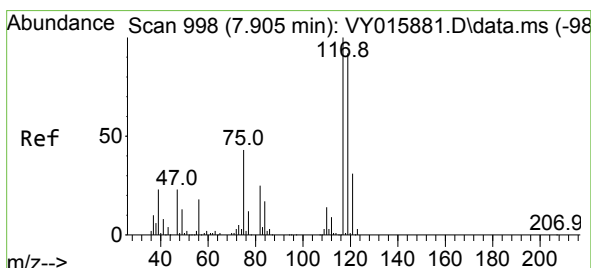
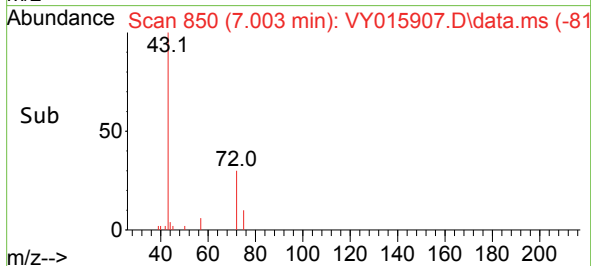
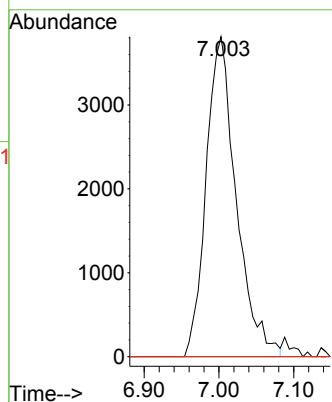
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10677 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 10.1  | 15.1# |
| 70       | 0.0   | 7.1   | 10.7# |



#38

Carbon Tetrachloride

Concen: 7.428 ug/l

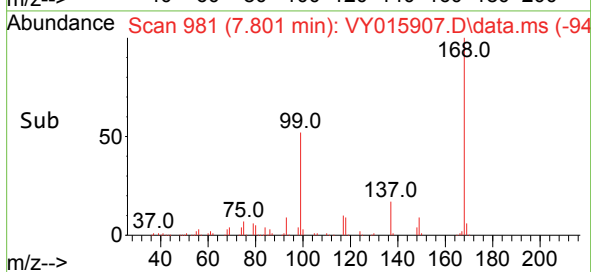
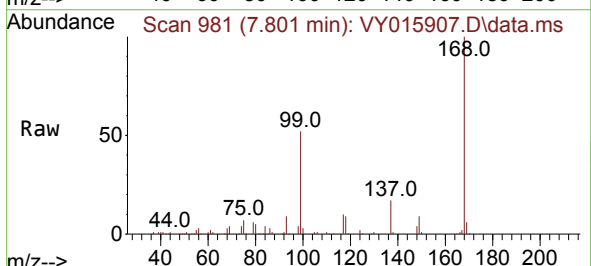
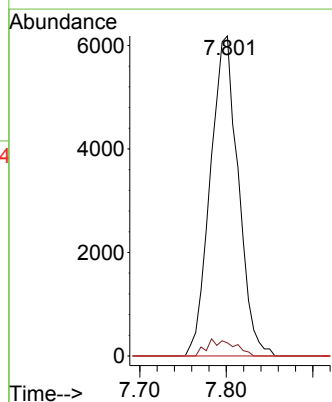
RT: 7.801 min Scan# 981

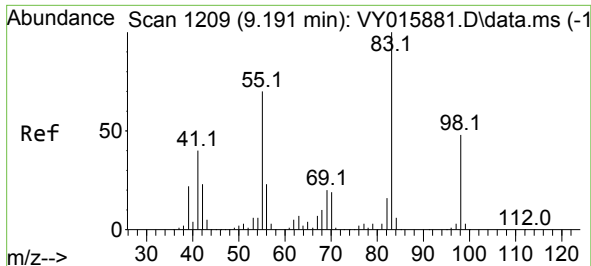
Delta R.T. -0.103 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 13864  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.1   | 76.4  | 114.6# |
| 121      | 0.0   | 25.8  | 38.6#  |





#39

Methylcyclohexane

Concen: 3.926 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

ClientSampleId :

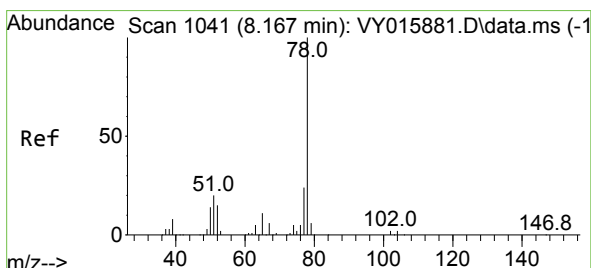
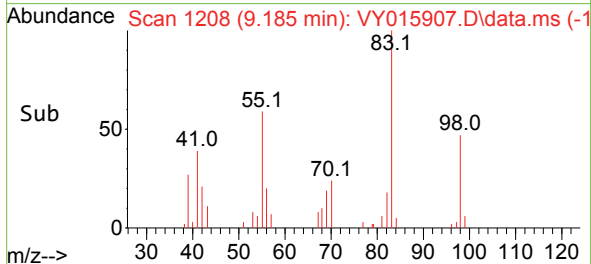
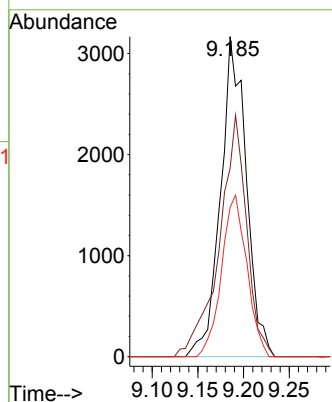
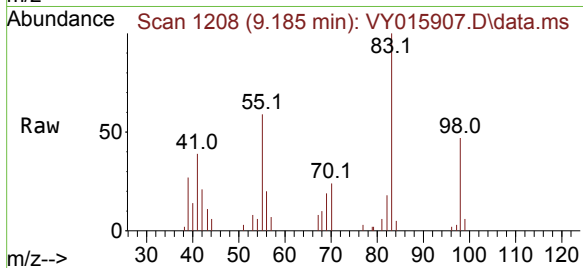
Tgt Ion: 83 Resp: 6198

Ion Ratio Lower Upper

83 100

55 58.9 63.0 94.4#

98 46.7 37.4 56.2



#40

Benzene

Concen: 6.124 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY015907.D

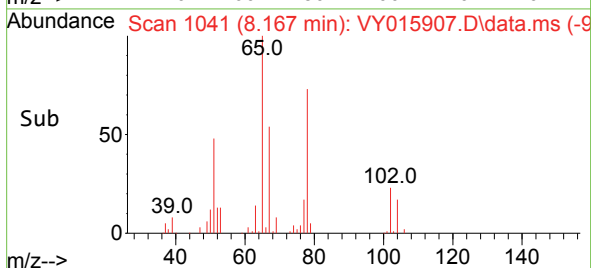
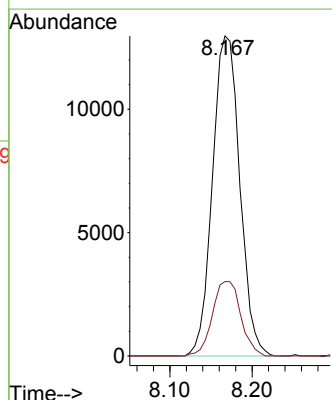
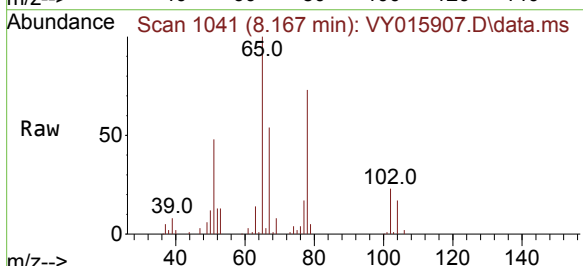
Acq: 10 Oct 2023 19:12

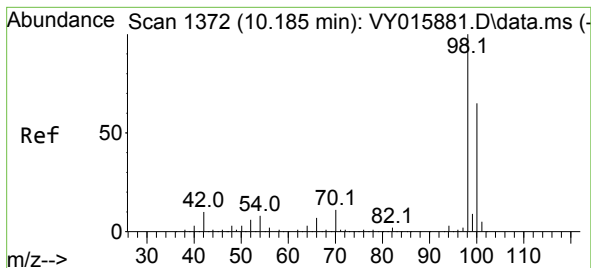
Tgt Ion: 78 Resp: 29913

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.6





#50

Toluene-d8

Concen: 62.207 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

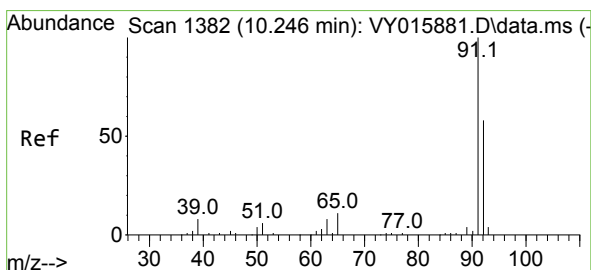
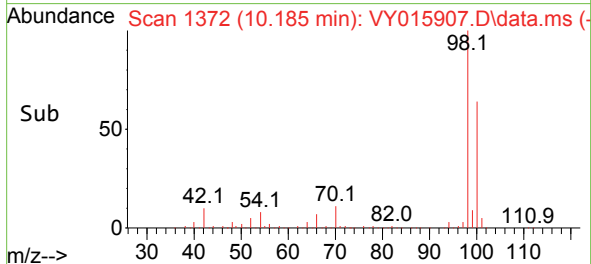
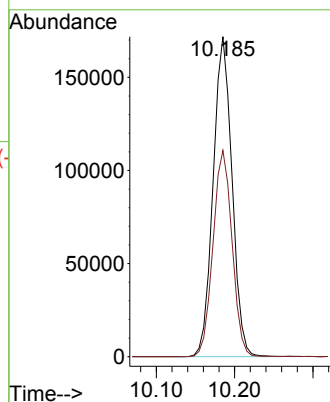
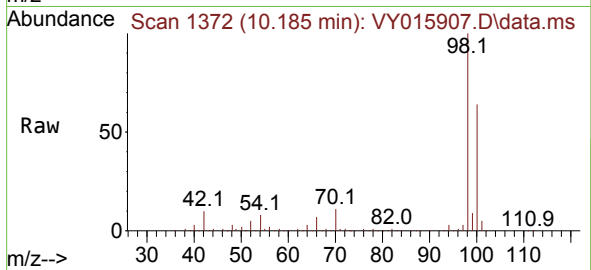
ClientSampleId :

Tgt Ion: 98 Resp: 287700

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#52

Toluene

Concen: 4.351 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY015907.D

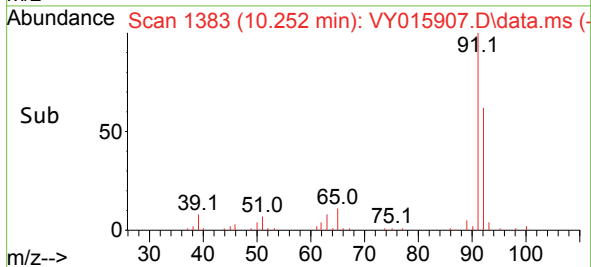
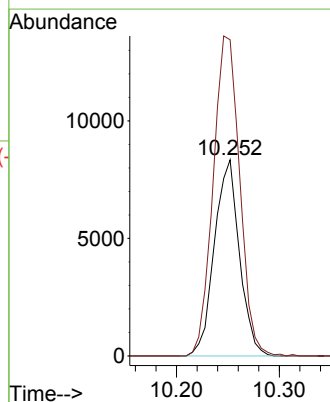
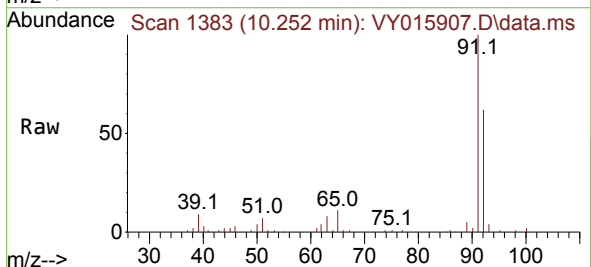
Acq: 10 Oct 2023 19:12

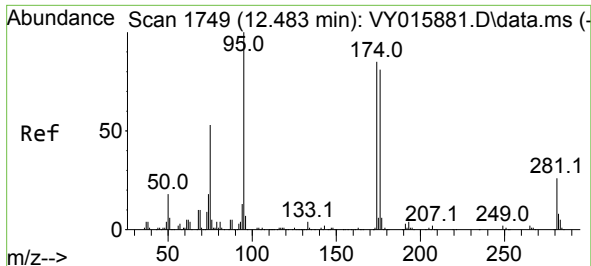
Tgt Ion: 92 Resp: 14106

Ion Ratio Lower Upper

92 100

91 173.3 143.8 215.6

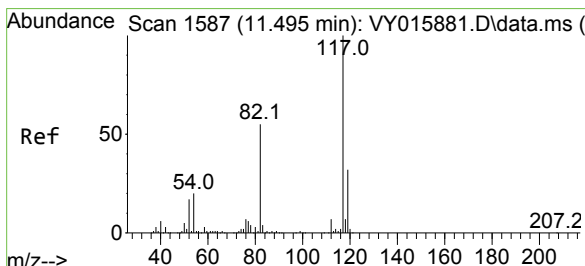
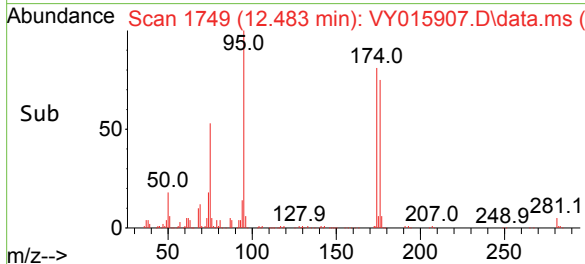
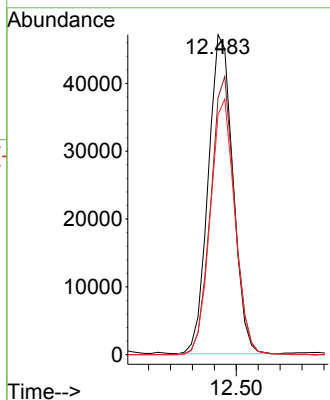
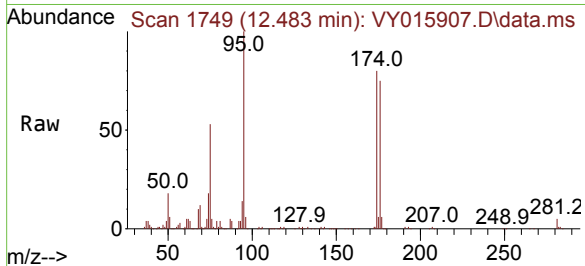




#62  
4-Bromofluorobenzene  
Concen: 39.072 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

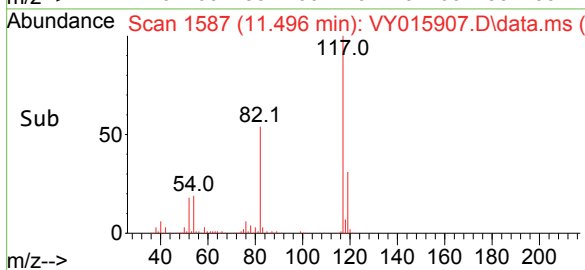
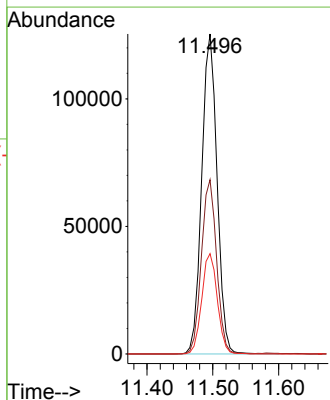
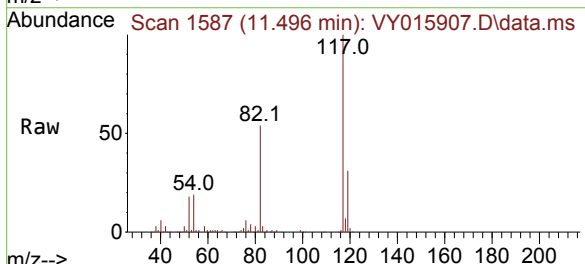
Instrument :  
MSVOA\_Y  
ClientSampleId :

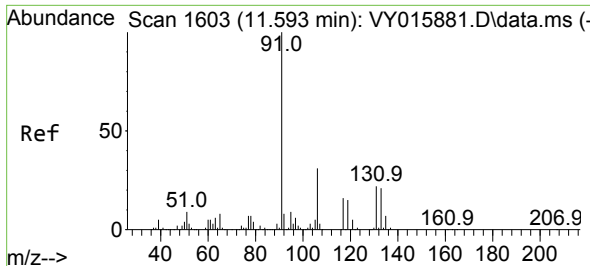
Tgt Ion: 95 Resp: 73398  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 178.2  
176 80.3 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 117 Resp: 203513  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.4 65.0  
119 31.4 26.3 39.5

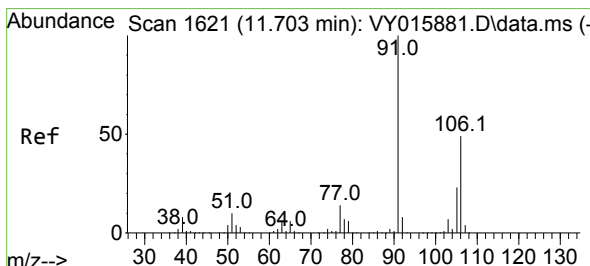
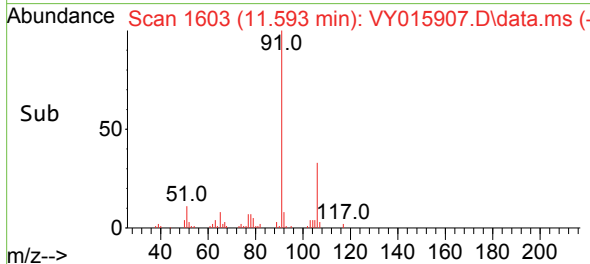
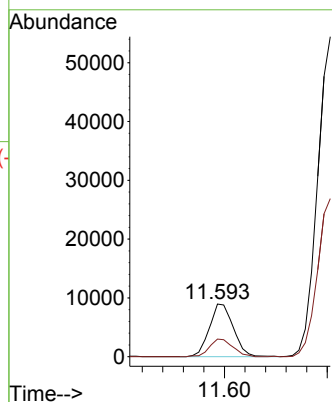
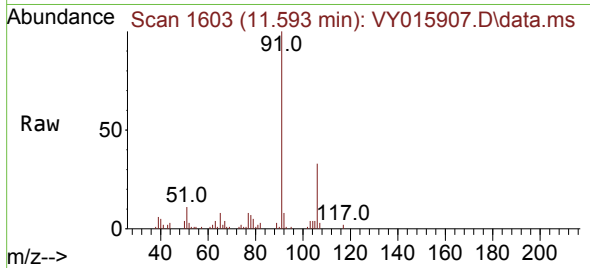




#67  
Ethyl Benzene  
Concen: 2.380 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

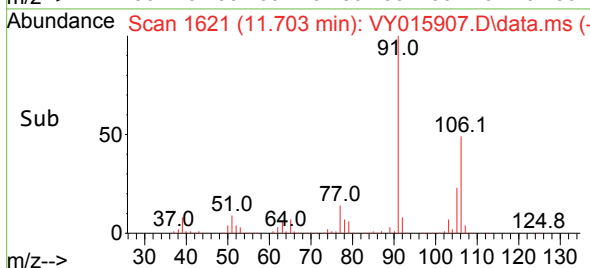
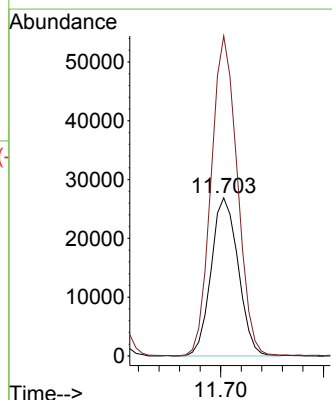
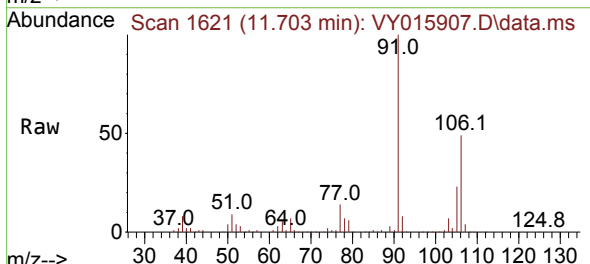
Instrument :  
MSVOA\_Y  
ClientSampleId :

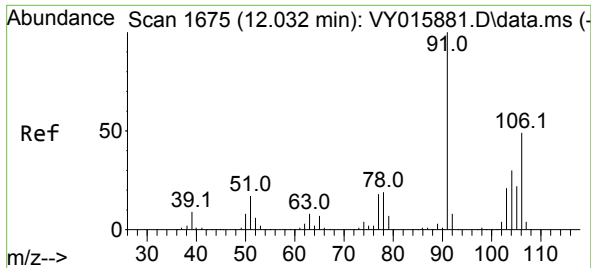
Tgt Ion: 91 Resp: 14494  
Ion Ratio Lower Upper  
91 100  
106 33.4 24.6 36.8



#68  
m/p-Xylenes  
Concen: 21.425 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion:106 Resp: 49165  
Ion Ratio Lower Upper  
106 100  
91 196.7 166.1 249.1

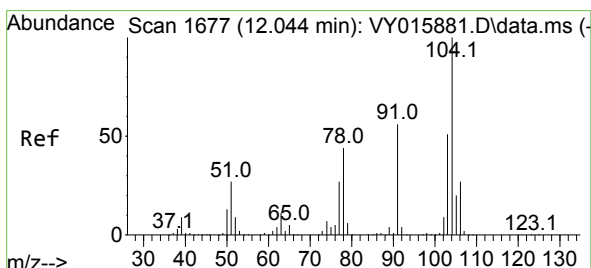
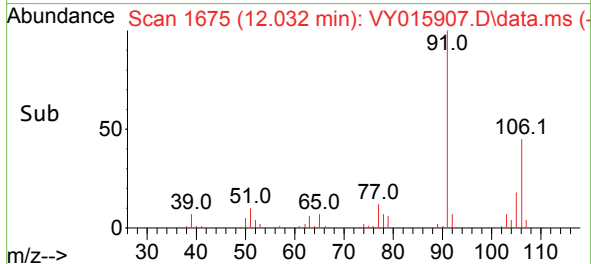
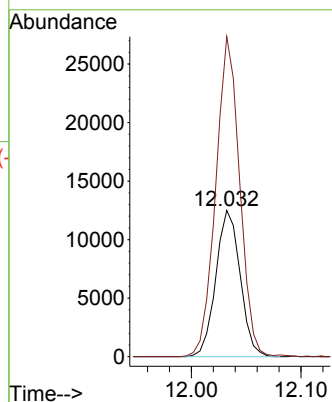
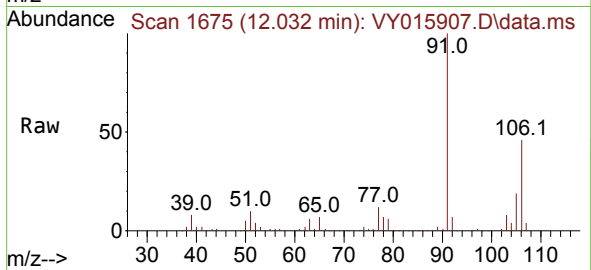




#69  
o-Xylene  
Concen: 8.392 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

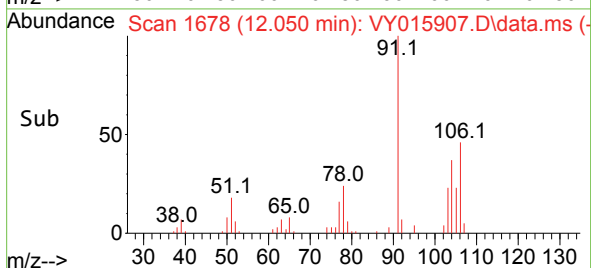
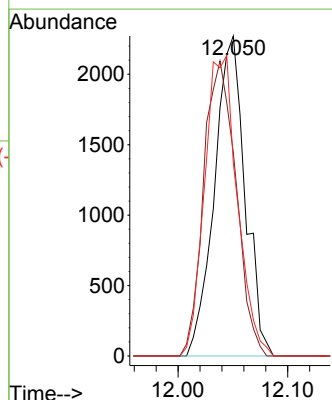
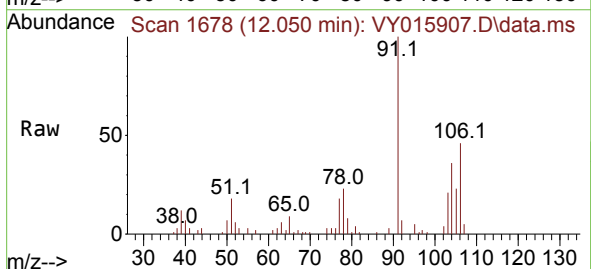
Instrument :  
MSVOA\_Y  
ClientSampleId :

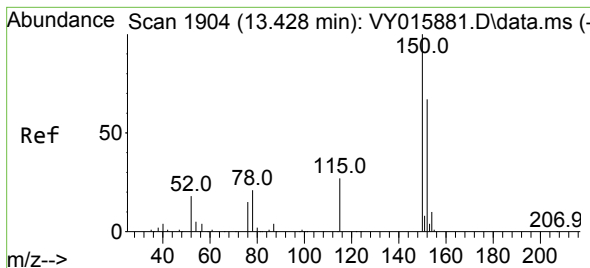
Tgt Ion:106 Resp: 19269  
Ion Ratio Lower Upper  
106 100  
91 215.6 108.1 324.3



#70  
Styrene  
Concen: 1.102 ug/l  
RT: 12.050 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

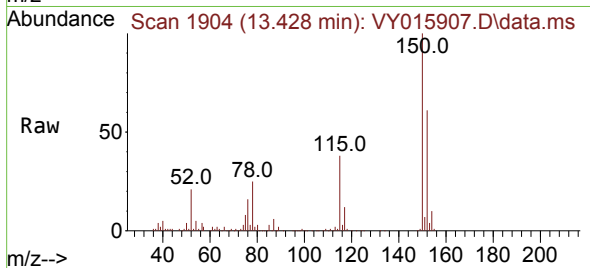
Tgt Ion:104 Resp: 4416  
Ion Ratio Lower Upper  
104 100  
78 96.9 41.5 62.3#  
103 100.1 44.6 67.0#



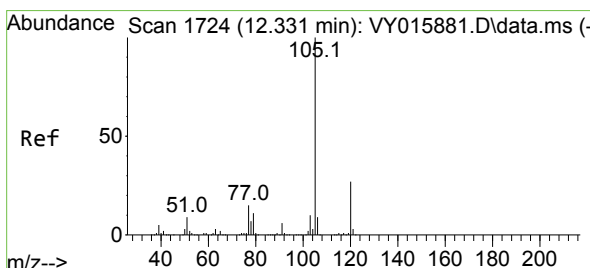
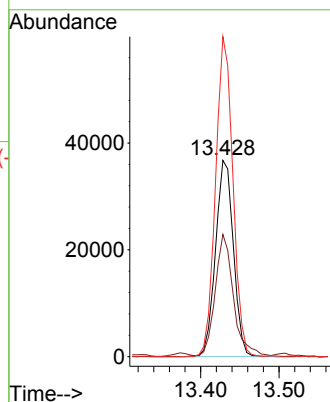
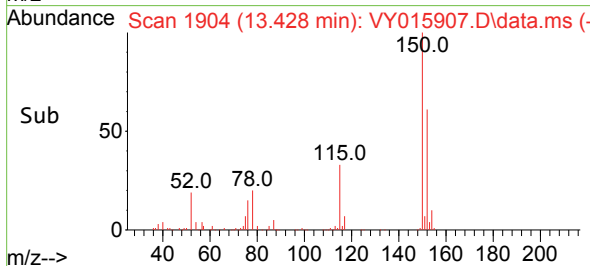


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY015907.D  
 Acq: 10 Oct 2023 19:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

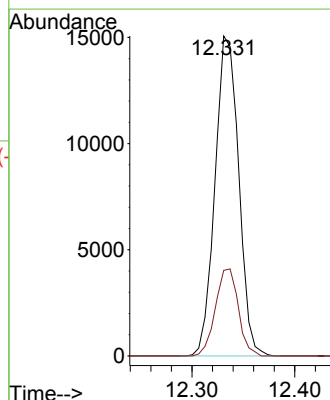
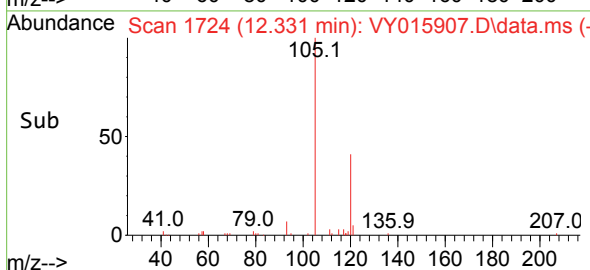
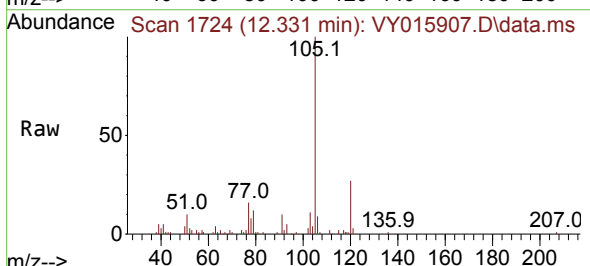


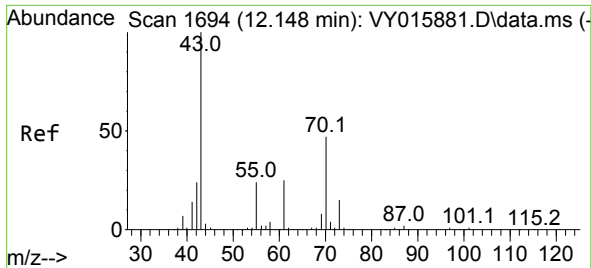
Tgt Ion:152 Resp: 58335  
 Ion Ratio Lower Upper  
 152 100  
 115 62.2 28.8 86.5  
 150 157.9 0.0 348.8



#73  
 Isopropylbenzene  
 Concen: 6.542 ug/l  
 RT: 12.331 min Scan# 1724  
 Delta R.T. 0.000 min  
 Lab File: VY015907.D  
 Acq: 10 Oct 2023 19:12

Tgt Ion:105 Resp: 24075  
 Ion Ratio Lower Upper  
 105 100  
 120 26.3 13.3 39.9

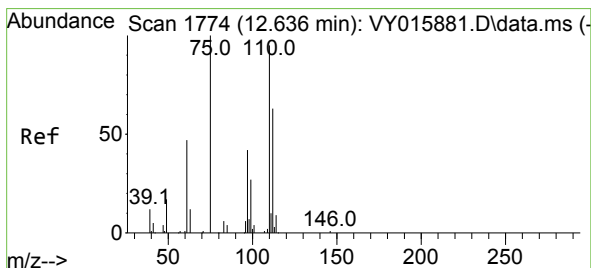
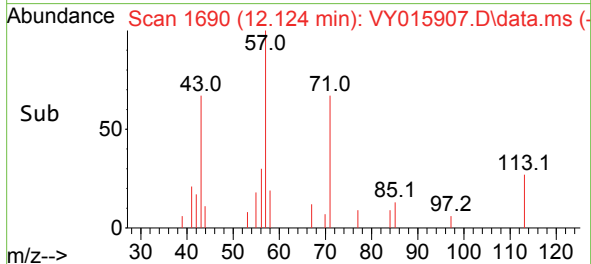
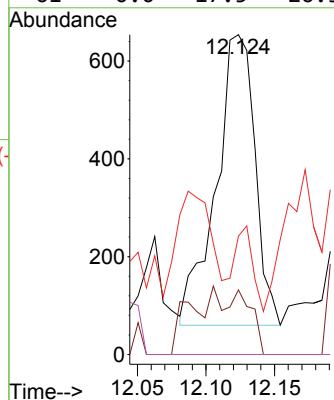
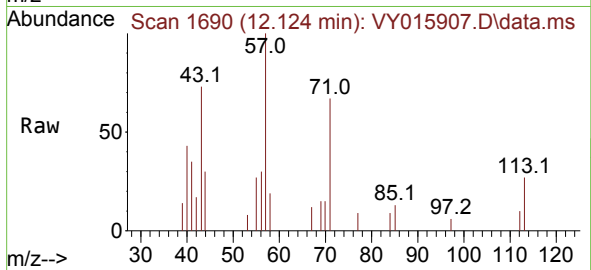




#74  
N-amy1 acetate  
Concen: 1.011 ug/l  
RT: 12.124 min Scan# 1  
Delta R.T. -0.024 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

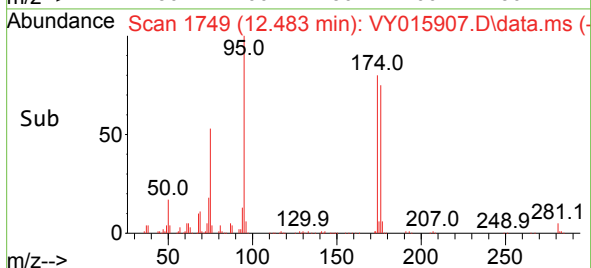
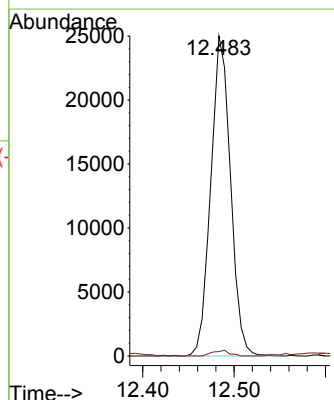
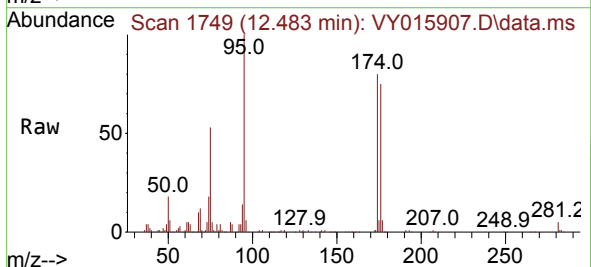
Instrument :  
MSVOA\_Y  
ClientSampleId :

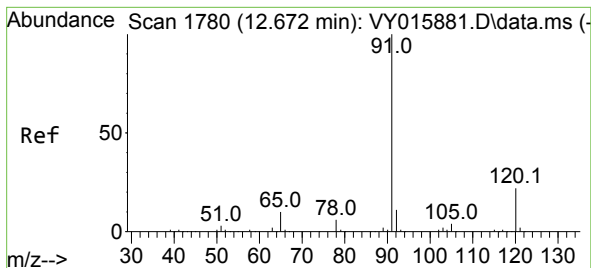
Tgt Ion: 43 Resp: 1172  
Ion Ratio Lower Upper  
43 100  
70 0.0 29.7 44.5#  
55 14.4 18.3 27.5#  
61 0.0 17.5 26.3#



#76  
1,2,3-Trichloropropane  
Concen: 54.989 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 75 Resp: 37447  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#78

n-propylbenzene

Concen: 1.465 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

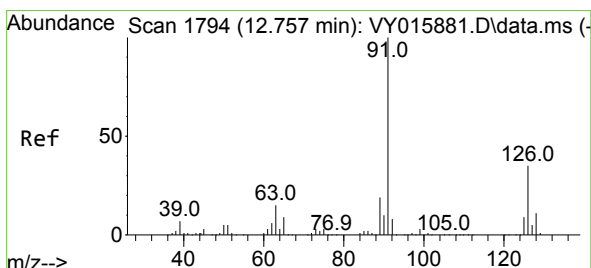
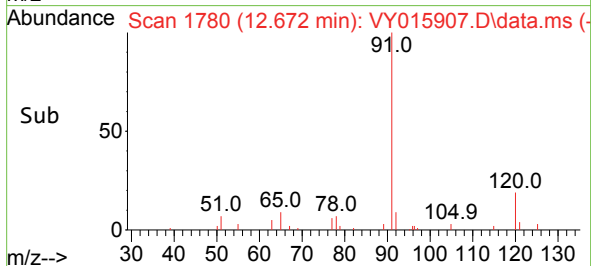
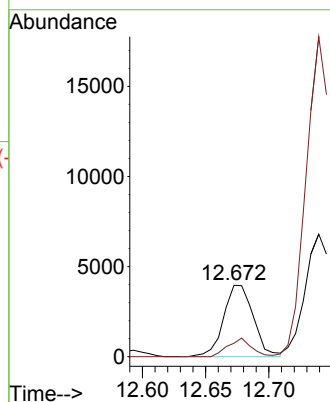
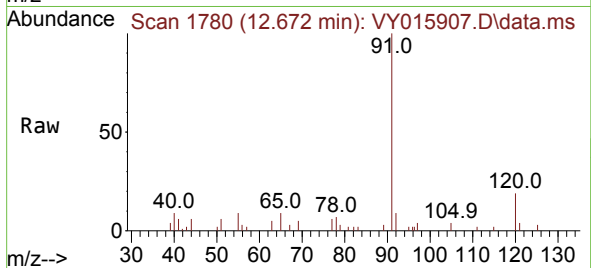
ClientSampleId :

Tgt Ion: 91 Resp: 6482

Ion Ratio Lower Upper

91 100

120 20.5 11.5 34.4



#79

2-Chlorotoluene

Concen: 3.940 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.018 min

Lab File: VY015907.D

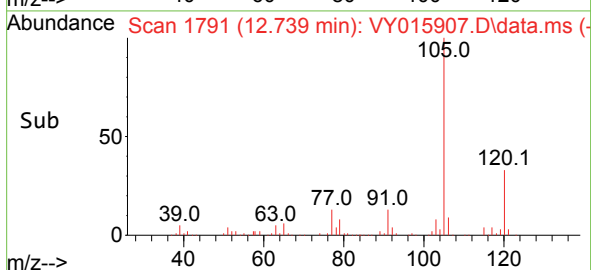
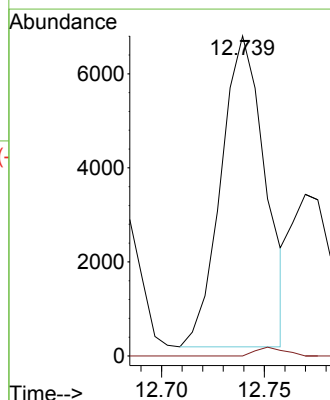
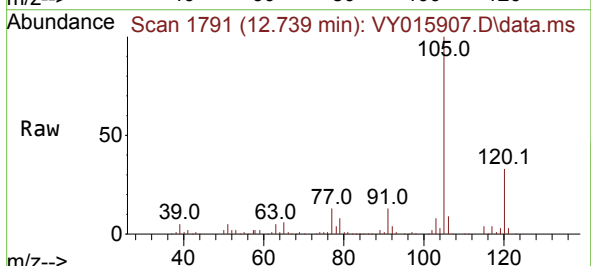
Acq: 10 Oct 2023 19:12

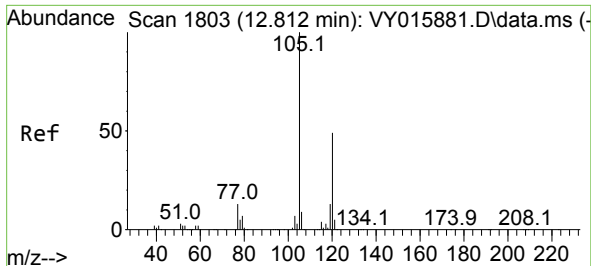
Tgt Ion: 91 Resp: 9931

Ion Ratio Lower Upper

91 100

126 1.8 17.3 51.7#

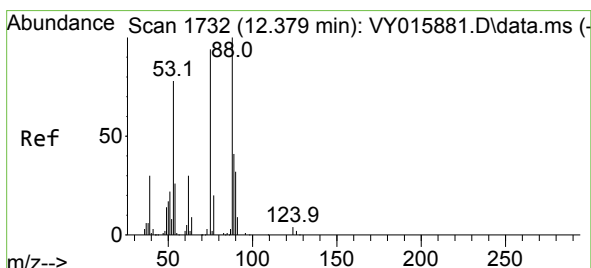
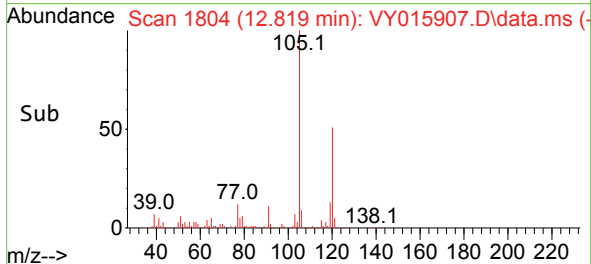
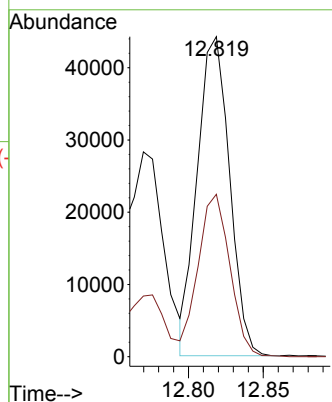
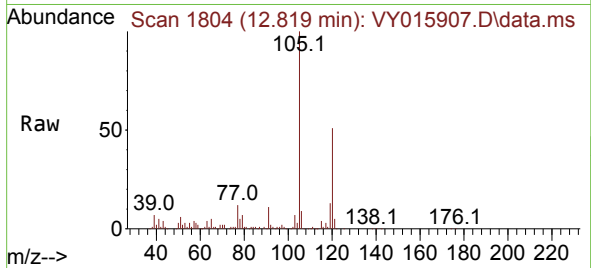




#80  
1,3,5-Trimethylbenzene  
Concen: 21.856 ug/l  
RT: 12.819 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

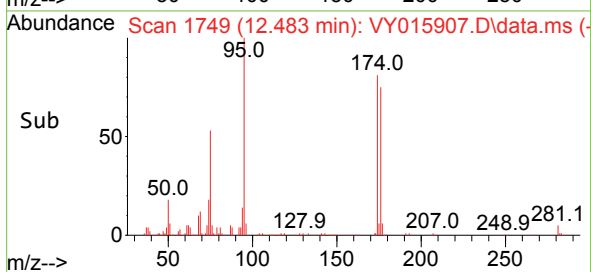
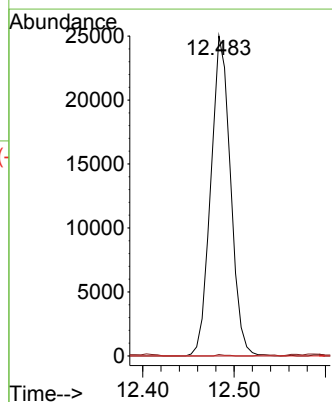
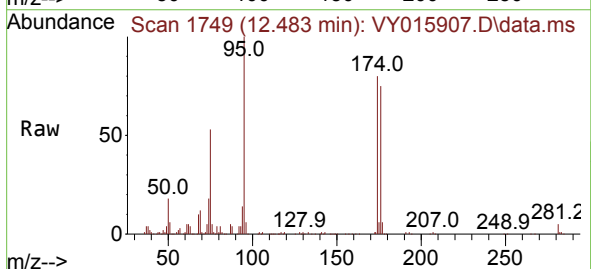
Instrument :  
MSVOA\_Y  
ClientSampleId :

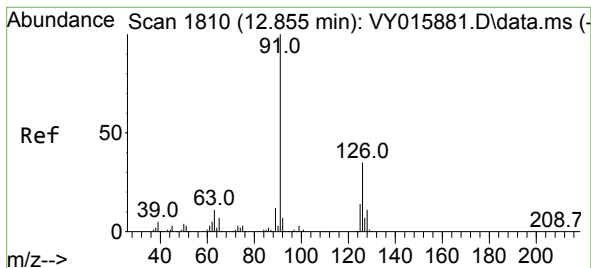
Tgt Ion:105 Resp: 66288  
Ion Ratio Lower Upper  
105 100  
120 50.0 23.9 71.7



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.938 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion: 75 Resp: 37447  
Ion Ratio Lower Upper  
75 100  
53 0.2 77.8 116.8#  
89 0.0 37.4 56.0#





#82

4-Chlorotoluene

Concen: 2.593 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.036 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

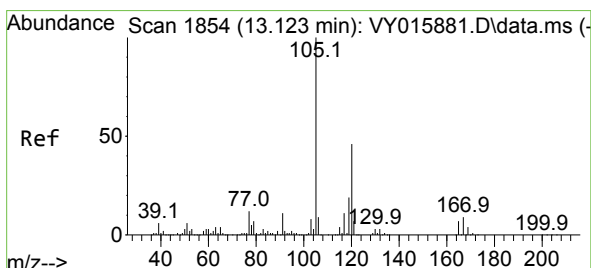
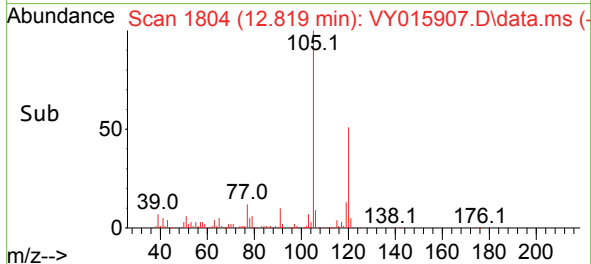
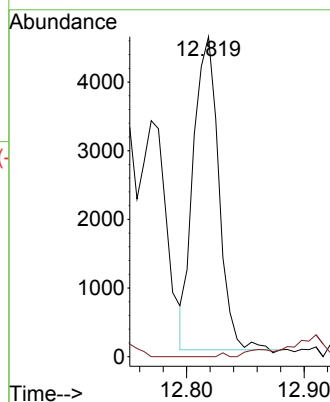
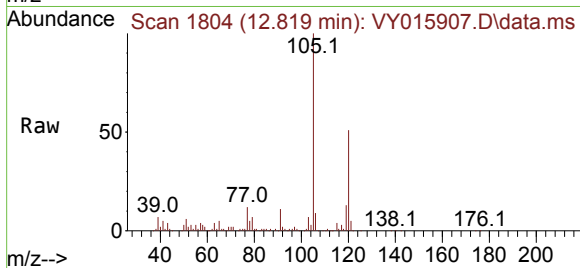
ClientSampleId :

Tgt Ion: 91 Resp: 6812

Ion Ratio Lower Upper

91 100

126 0.3 17.2 51.6#



#84

1,2,4-Trimethylbenzene

Concen: 37.338 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY015907.D

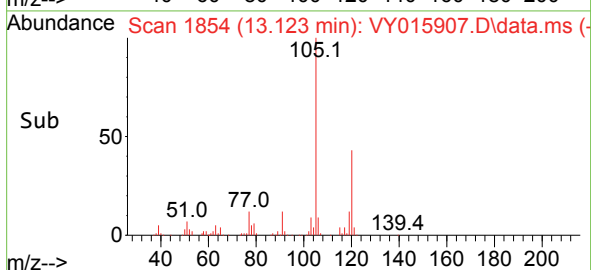
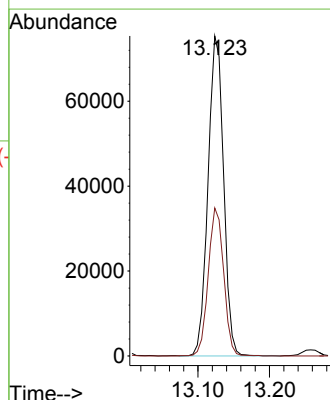
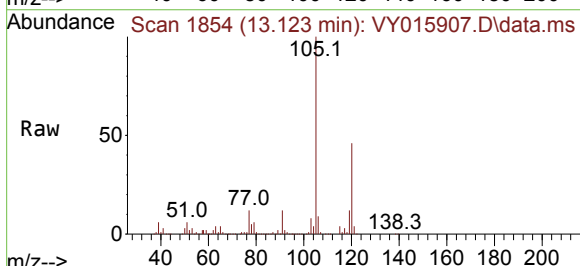
Acq: 10 Oct 2023 19:12

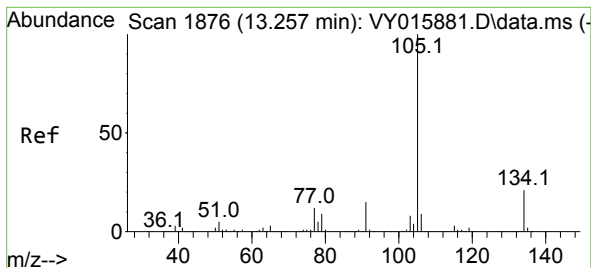
Tgt Ion: 105 Resp: 114039

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 27.473 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.134 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

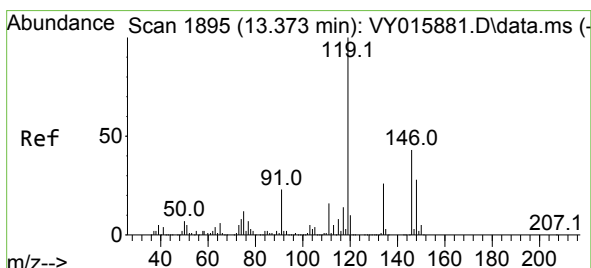
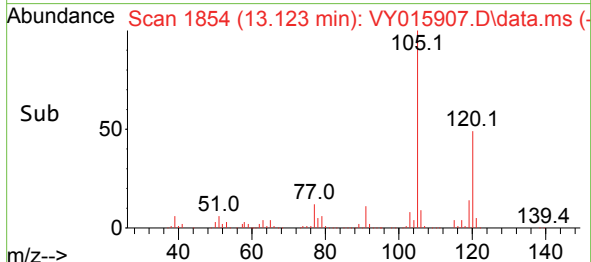
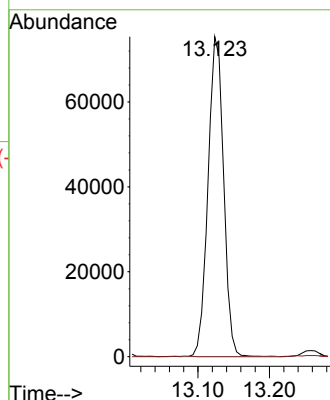
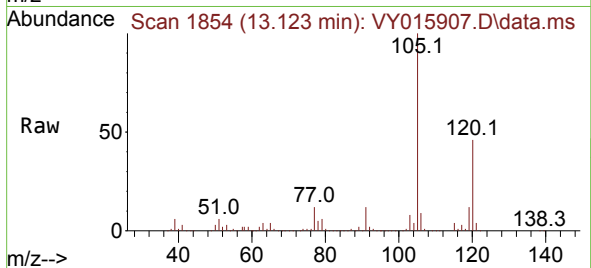
ClientSampleId :

Tgt Ion:105 Resp: 114039

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 3.049 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

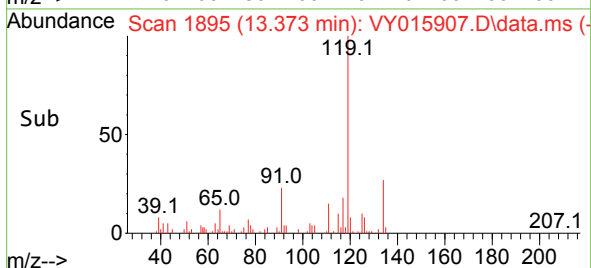
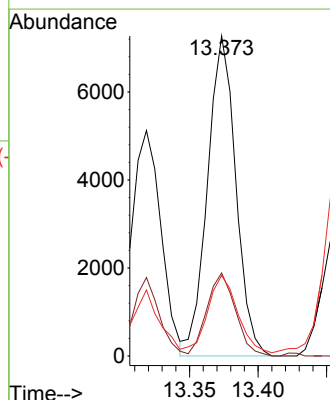
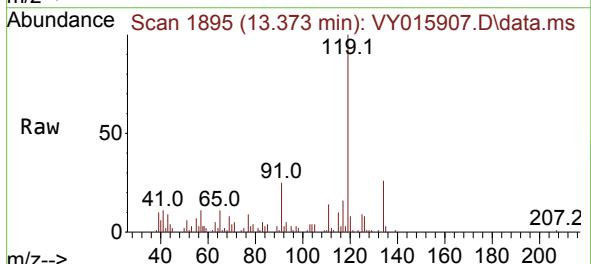
Tgt Ion:119 Resp: 10471

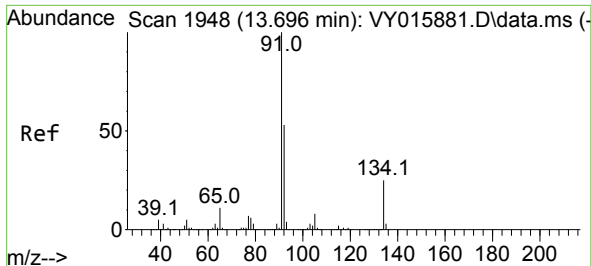
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 25.1 12.4 37.4





#89

n-Butylbenzene

Concen: 16.410 ug/l

RT: 13.629 min Scan# 1948

Delta R.T. -0.067 min

Lab File: VY015907.D

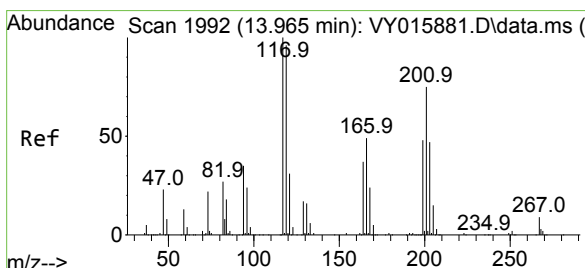
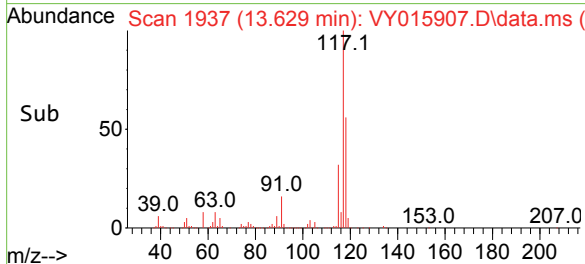
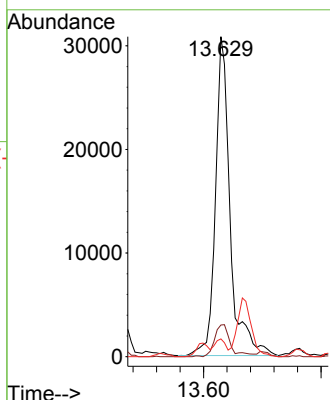
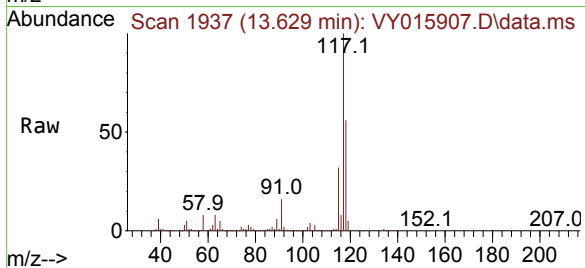
Acq: 10 Oct 2023 19:12

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 91 | Resp: 53326     |
| Ion Ratio   | Lower Upper     |
| 91          | 100             |
| 92          | 10.9 25.4 76.0# |
| 134         | 4.2 12.6 37.6#  |



#90

Hexachloroethane

Concen: 3.457 ug/l

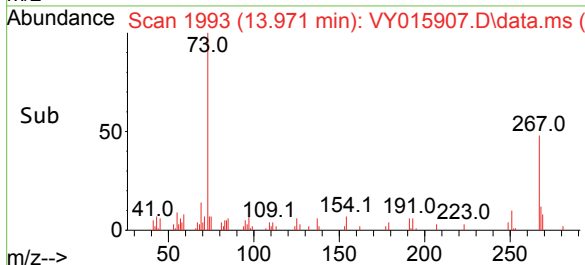
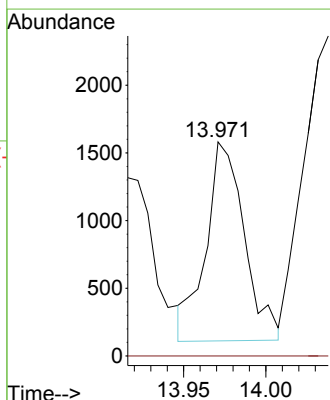
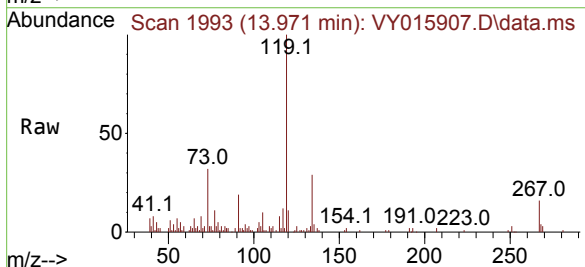
RT: 13.971 min Scan# 1993

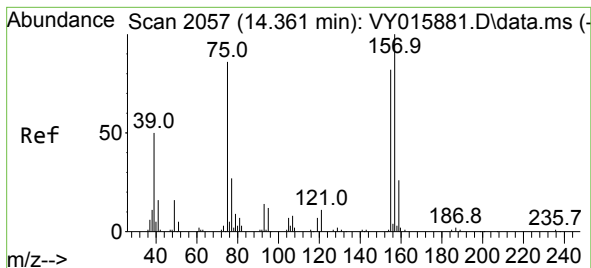
Delta R.T. 0.006 min

Lab File: VY015907.D

Acq: 10 Oct 2023 19:12

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 2382      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 0.0 41.6 124.8# |

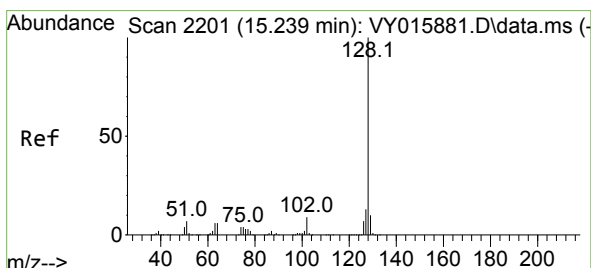
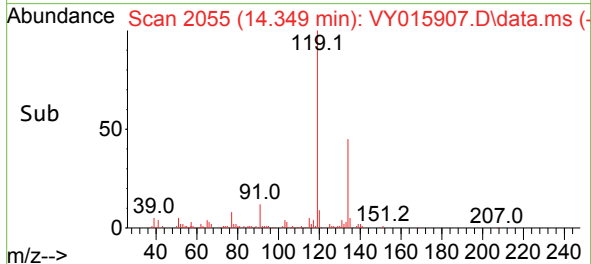
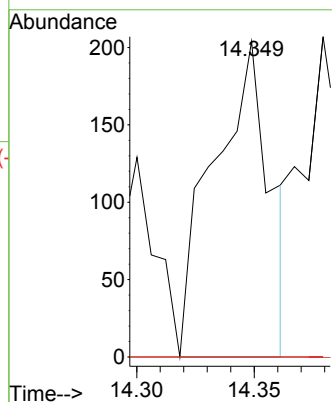
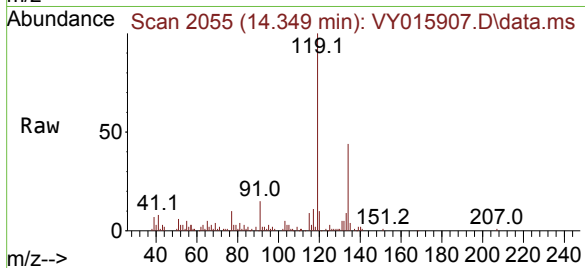




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.035 ug/l  
RT: 14.349 min Scan# 2055  
Delta R.T. -0.012 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 341  
Ion Ratio Lower Upper  
75 100  
155 0.0 41.5 124.6#  
157 0.0 51.8 155.5#



#95  
Naphthalene  
Concen: 711.828 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY015907.D  
Acq: 10 Oct 2023 19:12

Tgt Ion:128 Resp: 1782092  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.8 16.2  
129 11.0 8.6 13.0

