

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
 Data File : VY006736.D  
 Acq On : 15 Nov 2021 17:11  
 Operator : SY/MD  
 Sample : VY1115SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 16 04:21:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

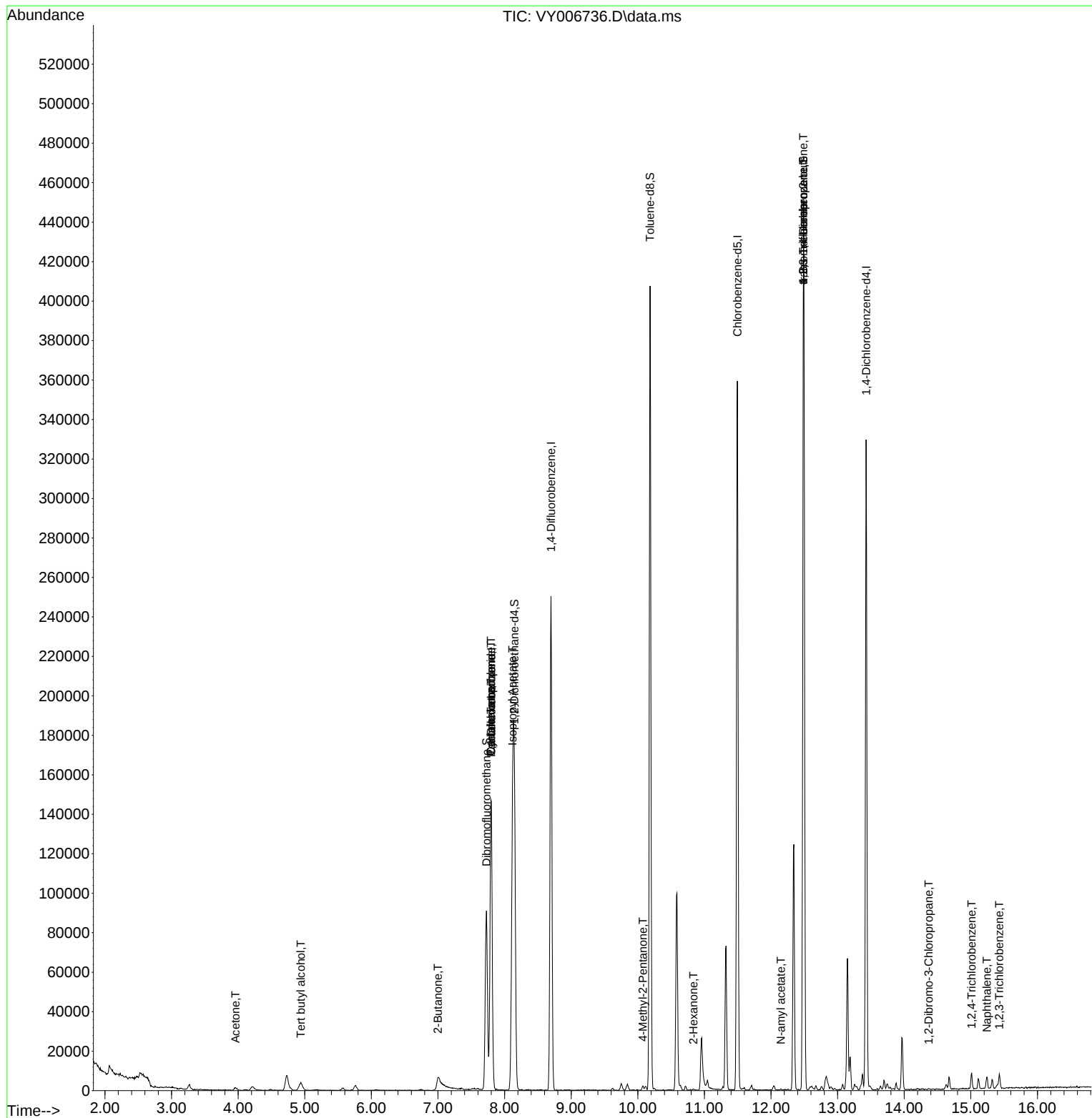
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 113143   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 193196   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 178134   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 80904    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 87601    | 59.075   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 118.160% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 60609    | 51.074   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 102.140% |          |
| 50) Toluene-d8                | 10.185 | 98    | 244892   | 49.869   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 99.740%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 81904    | 49.474   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 98.940%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 4567     | 20.479   | ug/l #     | 74       |
| 16) Acetone                   | 3.960  | 43    | 2171     | 4.819    | ug/l       | 97       |
| 25) 2-Butanone                | 6.996  | 43    | 1171     | 13.206   | ug/l #     | 83       |
| 31) Cyclohexane               | 7.795  | 56    | 2777     | 1.065    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 9619     | 4.581    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 10980    | 5.112    | ug/l #     | 18       |
| 43) Isopropyl Acetate         | 8.118  | 43    | 4815     | 1.828    | ug/l #     | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43    | 1632     | 1.176    | ug/l       | 98       |
| 59) 2-Hexanone                | 10.837 | 43    | 427      | 24.196   | ug/l       | 80       |
| 74) N-amyl acetate            | 12.148 | 43    | 368      | 3.310    | ug/l #     | 66       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 48162    | 54.754   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 48162    | 108.494  | ug/l #     | 7        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75    | 211      | 1.047    | ug/l #     | 39       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180   | 2166     | 1.375    | ug/l       | 97       |
| 95) Naphthalene               | 15.239 | 128   | 4964     | 1.703    | ug/l       | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180   | 2223     | 1.693    | ug/l       | 98       |
| -----                         |        |       |          |          |            |          |

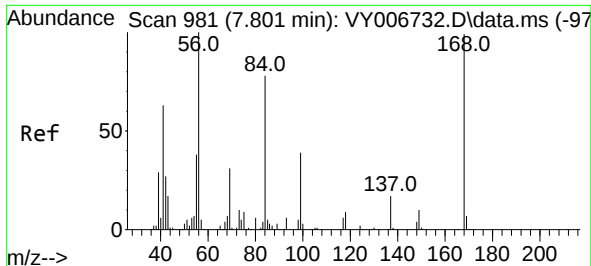
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
Data File : VY006736.D  
Acq On : 15 Nov 2021 17:11  
Operator : SY/MD  
Sample : VY1115SBL01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

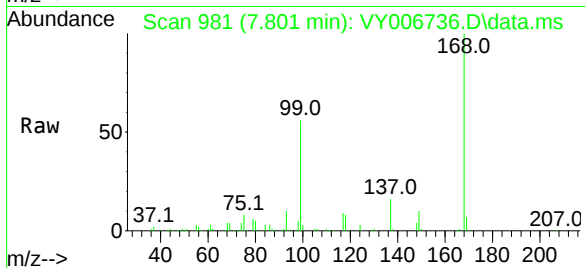
Quant Time: Nov 16 04:21:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration



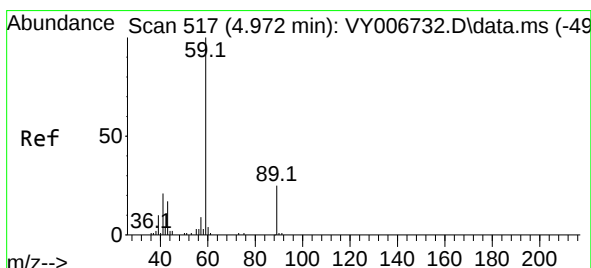
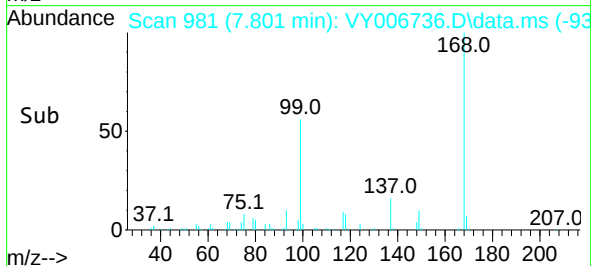
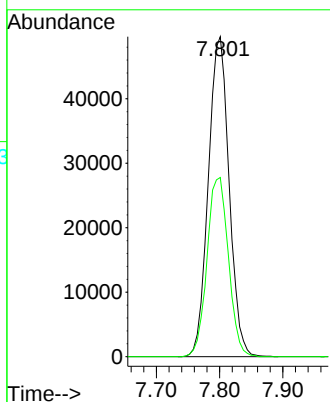


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

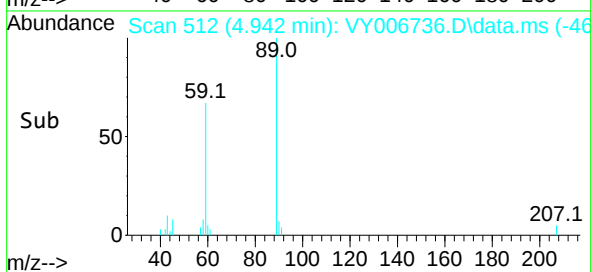
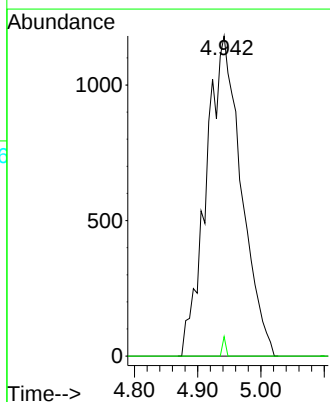
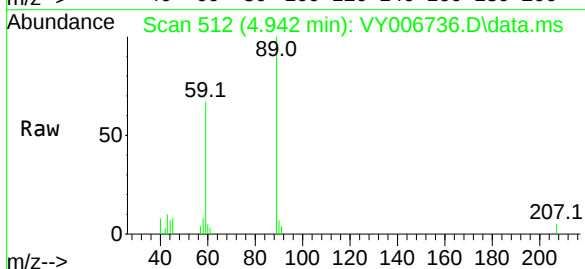


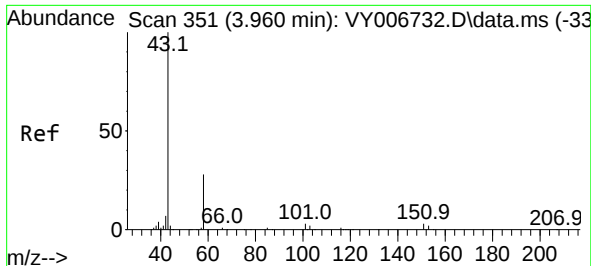
Tgt Ion:168 Resp: 113143  
Ion Ratio Lower Upper  
168 100  
99 56.0 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 20.479 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.030 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

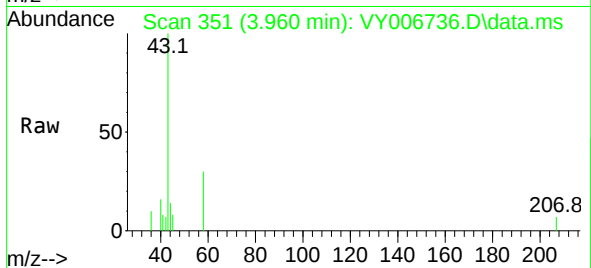
Tgt Ion: 59 Resp: 4567  
Ion Ratio Lower Upper  
59 100  
57 0.6 8.2 12.4#



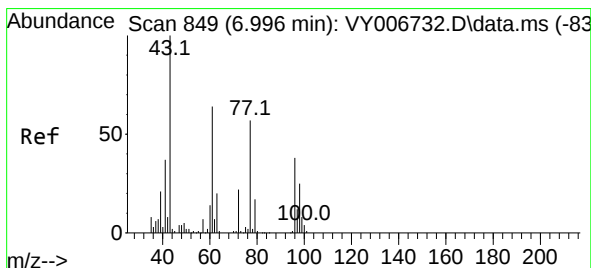
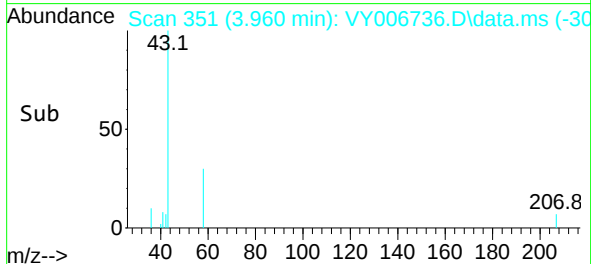
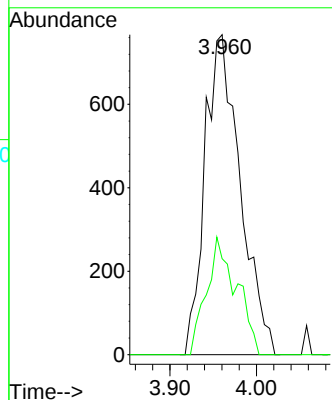


#16  
Acetone  
Concen: 4.819 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

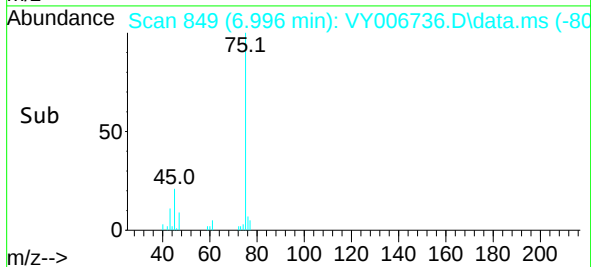
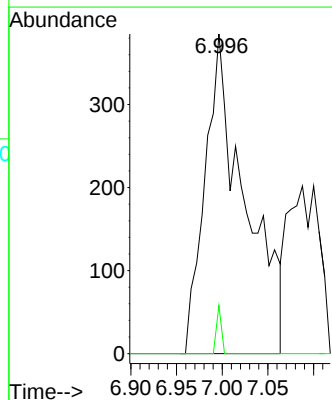
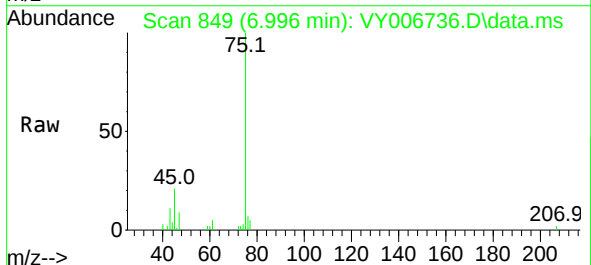


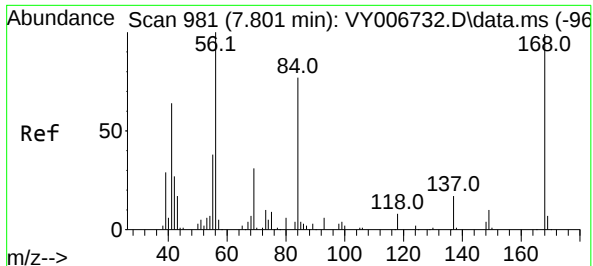
Tgt Ion: 43 Resp: 2171  
Ion Ratio Lower Upper  
43 100  
58 30.0 22.9 34.3



#25  
2-Butanone  
Concen: 13.206 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

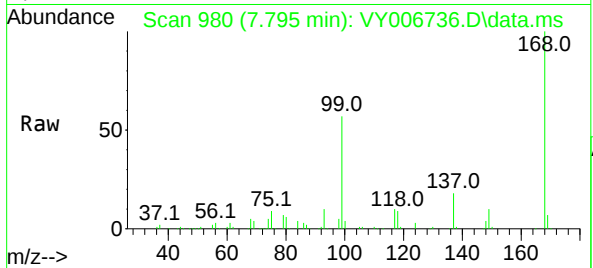
Tgt Ion: 43 Resp: 1171  
Ion Ratio Lower Upper  
43 100  
72 15.1 18.9 28.3#



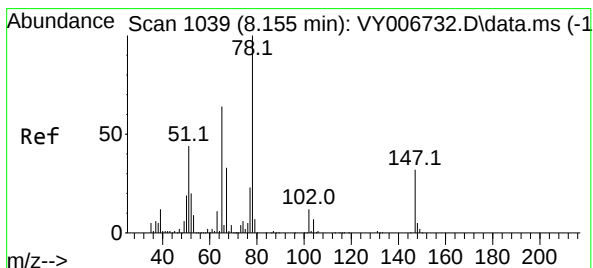
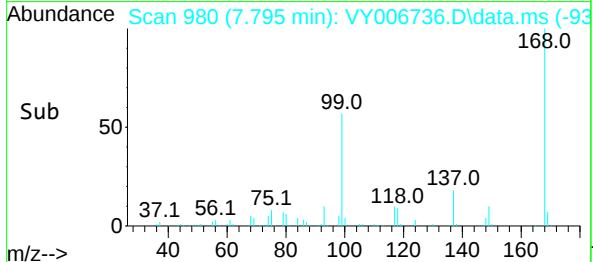
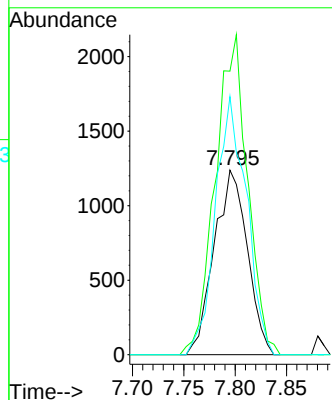


#31  
Cyclohexane  
Concen: 1.065 ug/l  
RT: 7.795 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

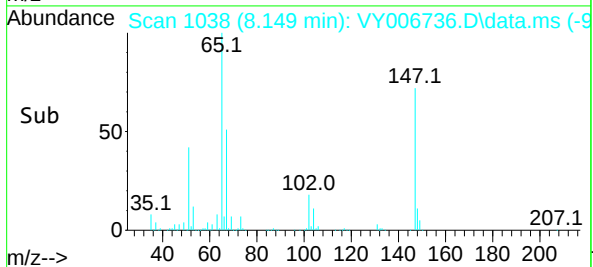
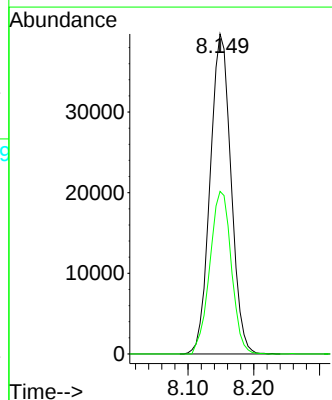
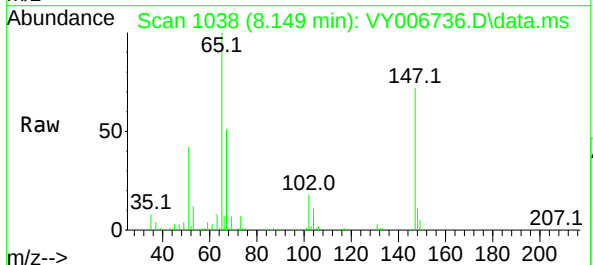


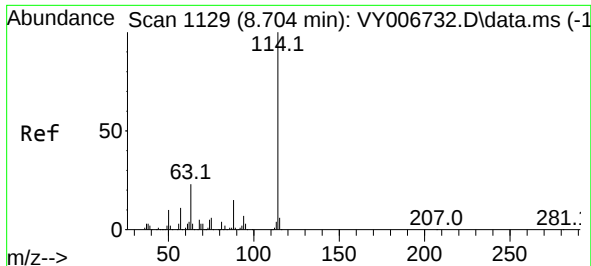
Tgt Ion: 56 Resp: 2777  
Ion Ratio Lower Upper  
56 100  
69 153.6 26.6 40.0#  
84 139.9 65.0 97.4#



#33  
1,2-Dichloroethane-d4  
Concen: 59.075 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Tgt Ion: 65 Resp: 87601  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 98.2

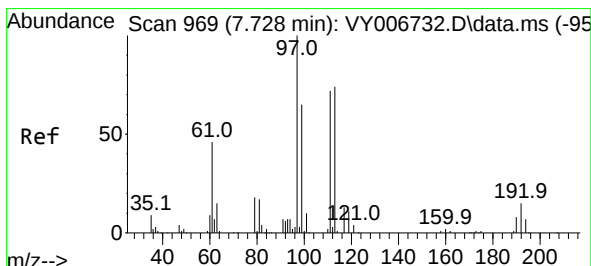
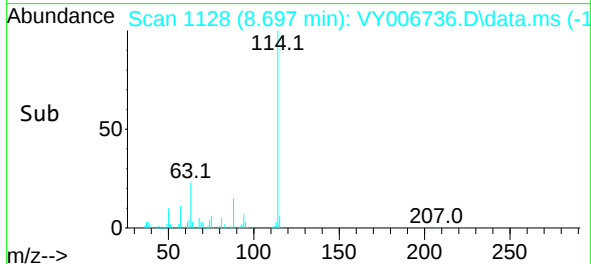
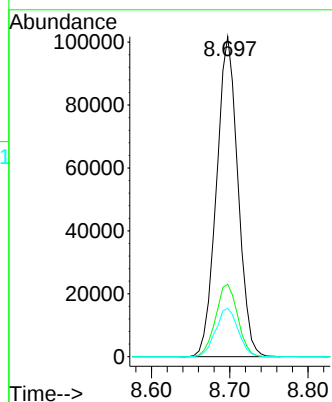
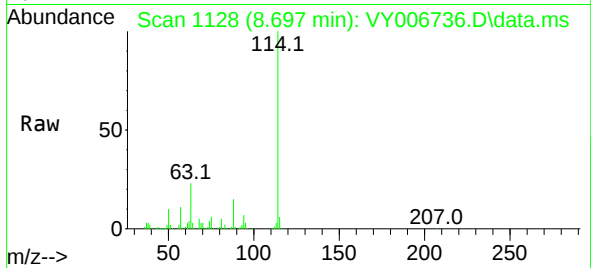




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

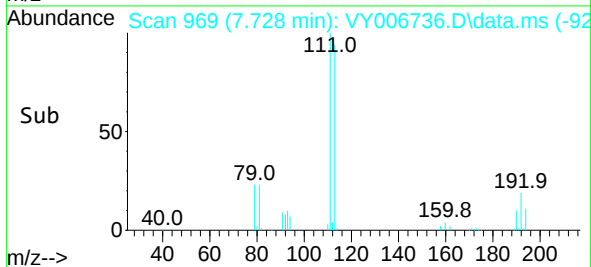
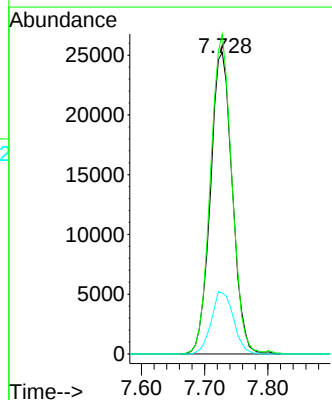
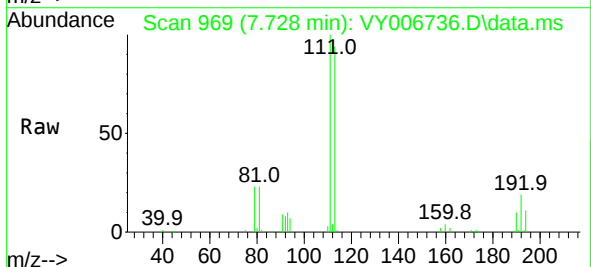
Instrument :  
MSVOA\_Y  
ClientSampleId :

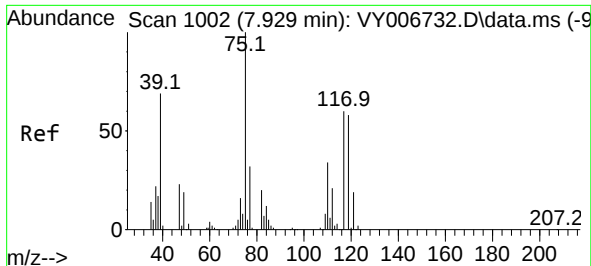
Tgt Ion:114 Resp: 193196  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 45.0  
88 15.1 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 51.074 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

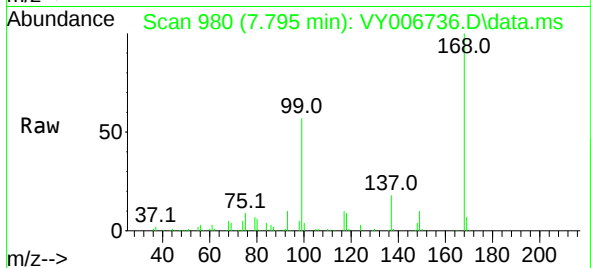
Tgt Ion:113 Resp: 60609  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.3 123.5  
192 20.8 17.4 26.2



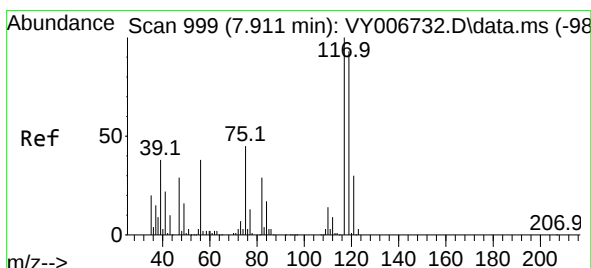
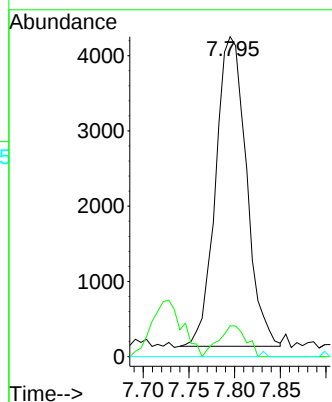
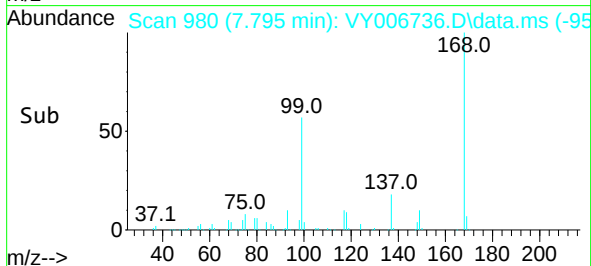


#36  
1,1-Dichloropropene  
Concen: 4.581 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

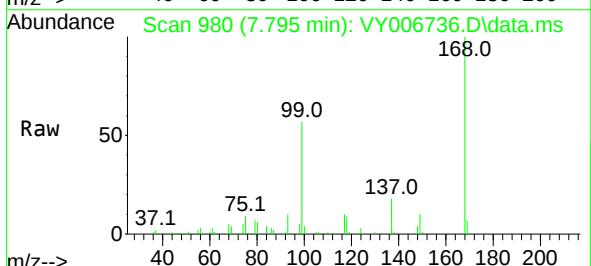
Instrument :  
MSVOA\_Y  
ClientSampleId :



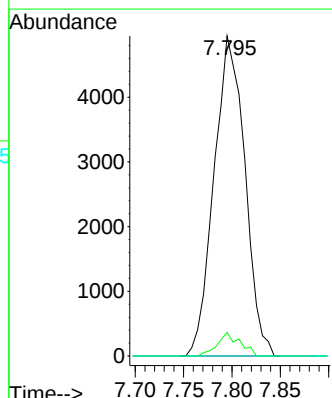
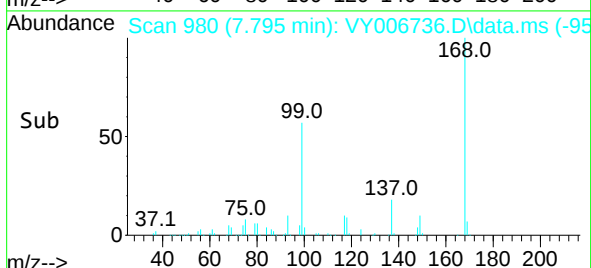
Tgt Ion: 75 Resp: 9619  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.1 51.3#  
77 0.0 24.9 37.3#

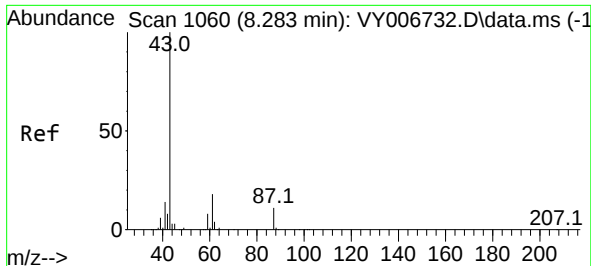


#38  
Carbon Tetrachloride  
Concen: 5.112 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11



Tgt Ion: 117 Resp: 10980  
Ion Ratio Lower Upper  
117 100  
119 7.4 76.6 115.0#  
121 0.0 24.7 37.1#

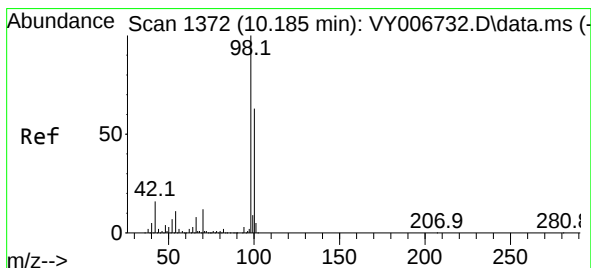
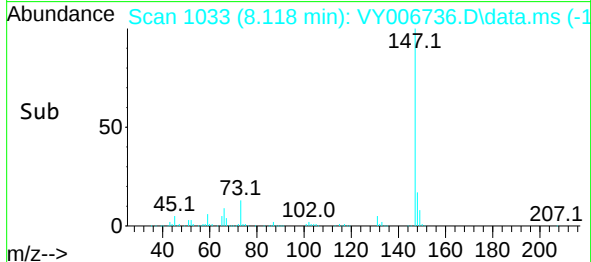
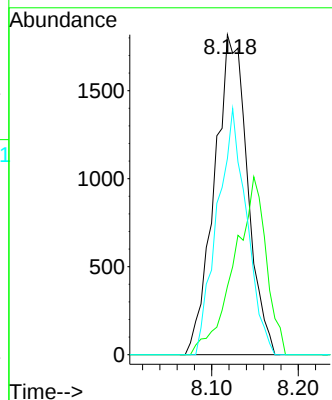
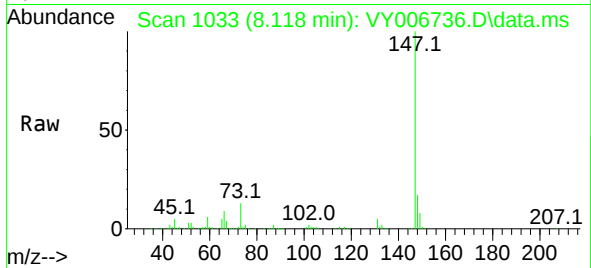




#43  
Isopropyl Acetate  
Concen: 1.828 ug/l  
RT: 8.118 min Scan# 1060  
Delta R.T. -0.165 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

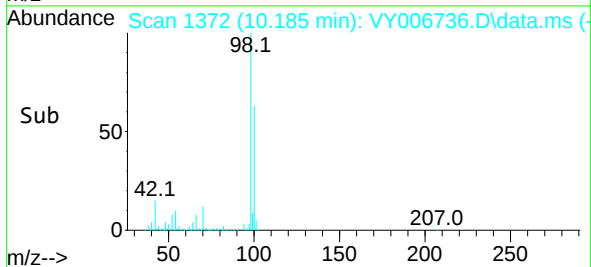
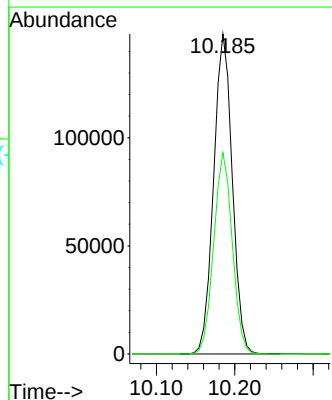
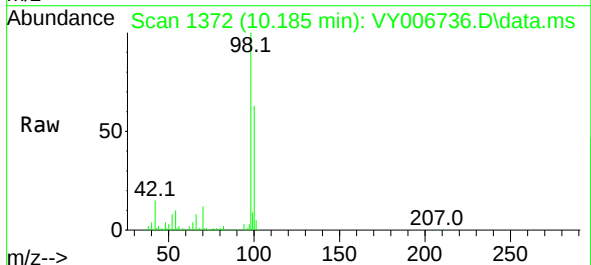
Instrument :  
MSVOA\_Y  
ClientSampleId :

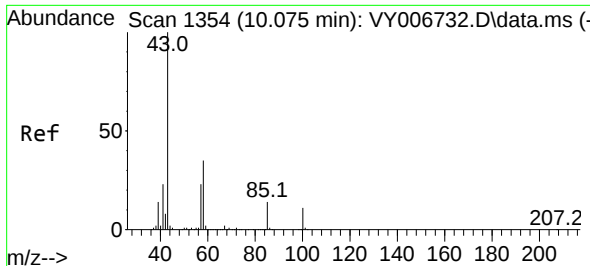
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Ion Ratio Lower Upper  
43 100  
61 0.0 20.5 30.7#  
87 68.5 9.0 13.6#



#50  
Toluene-d8  
Concen: 49.869 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Tgt Ion: 98 Resp: 244892  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.9 76.3

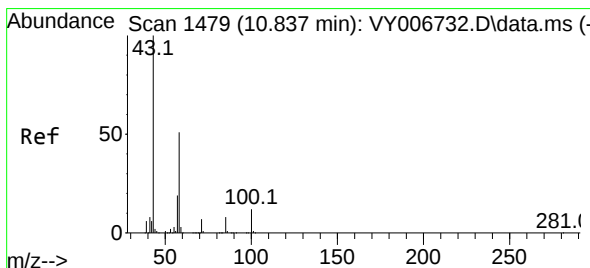
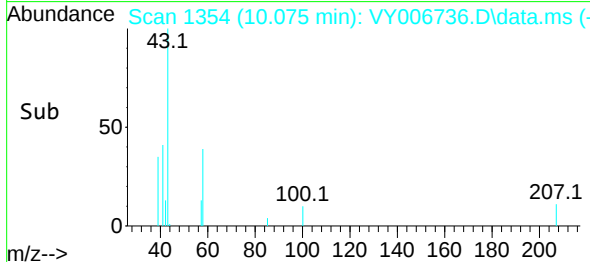
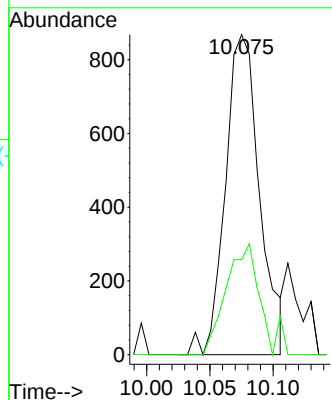
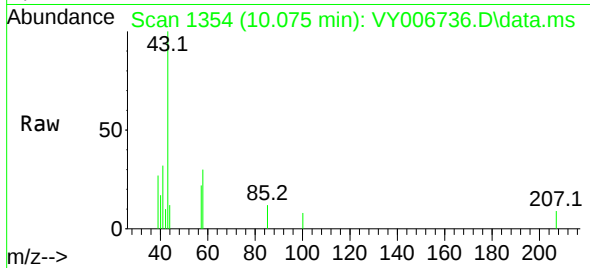




#51  
4-Methyl-2-Pentanone  
Concen: 1.176 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

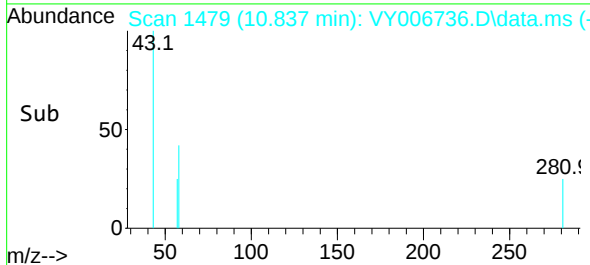
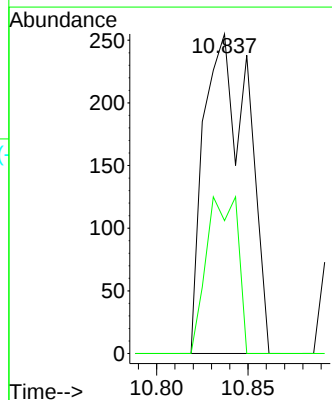
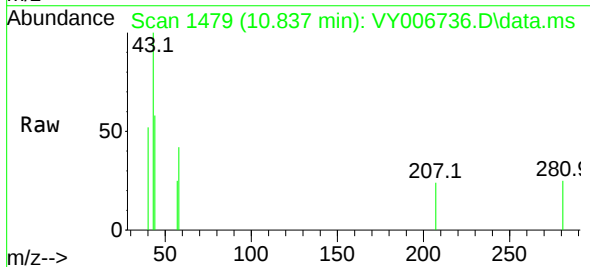
Instrument :  
MSVOA\_Y  
ClientSampleId :

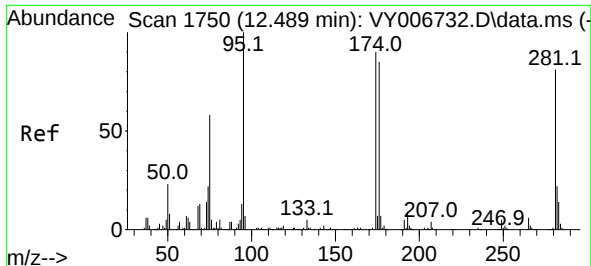
Tgt Ion: 43 Resp: 1632  
Ion Ratio Lower Upper  
43 100  
58 34.7 28.7 43.1



#59  
2-Hexanone  
Concen: 24.196 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Tgt Ion: 43 Resp: 427  
Ion Ratio Lower Upper  
43 100  
58 35.1 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 49.474 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY006736.D

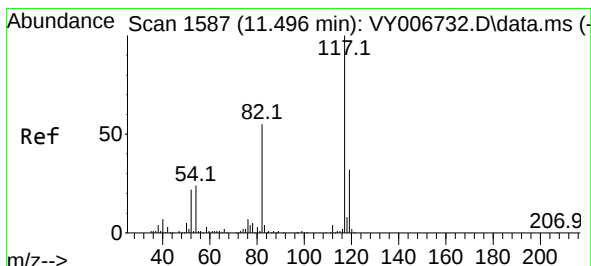
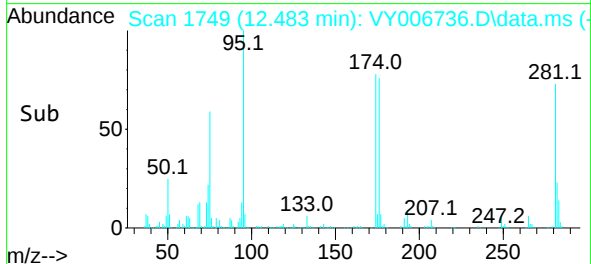
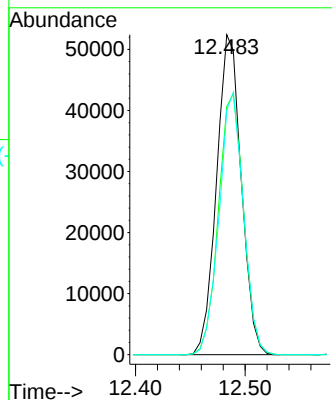
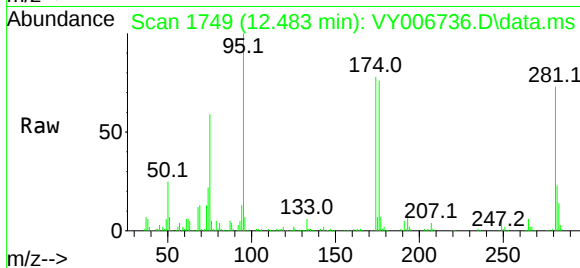
Acq: 15 Nov 2021 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 81904 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 82.7  | 0.0   | 177.0 |
| 176      | 81.1  | 0.0   | 169.4 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

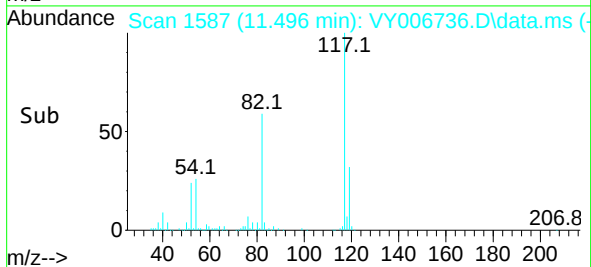
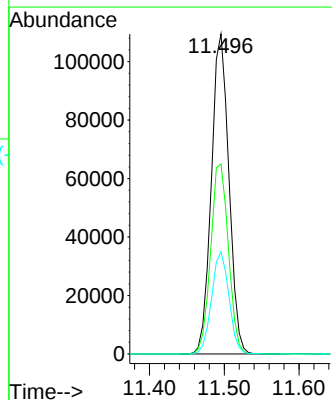
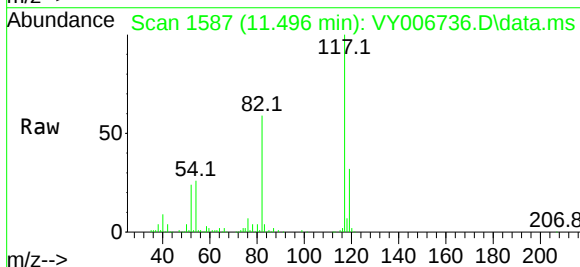
RT: 11.496 min Scan# 1587

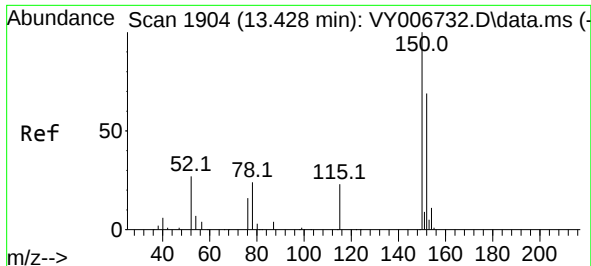
Delta R.T. -0.000 min

Lab File: VY006736.D

Acq: 15 Nov 2021 17:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 178134 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.4  | 45.7  | 68.5   |
| 119      | 32.0  | 25.5  | 38.3   |

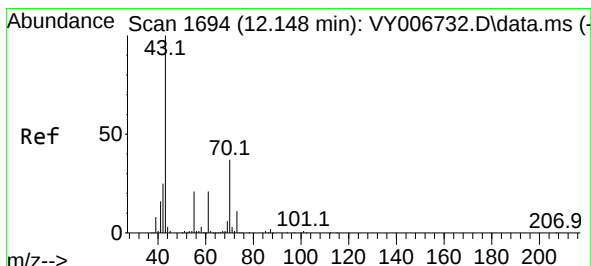
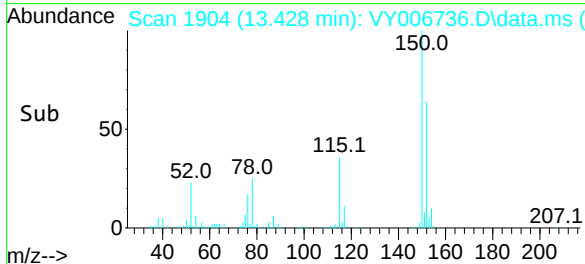
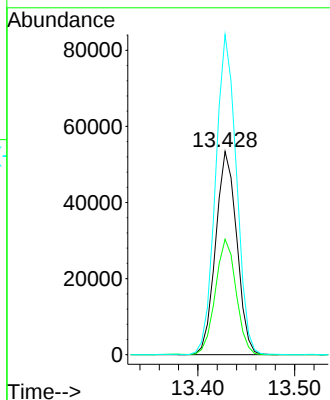
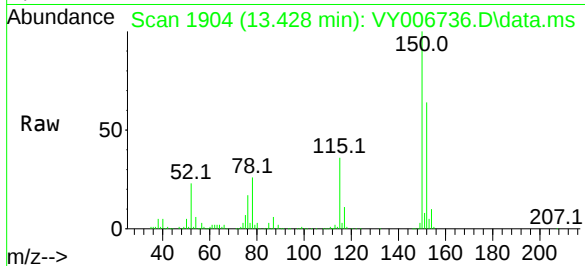




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

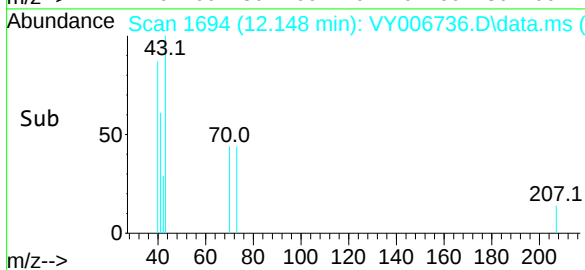
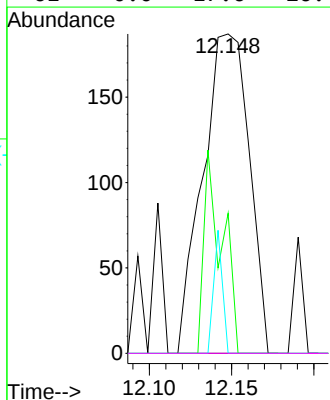
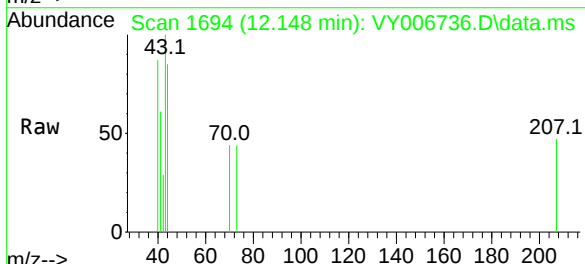
Instrument :  
MSVOA\_Y  
ClientSampleId :

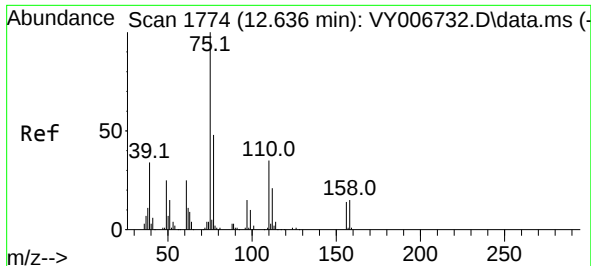
Tgt Ion:152 Resp: 80904  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.5 85.5  
150 156.2 0.0 348.2



#74  
N-ethyl acetate  
Concen: 3.310 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Tgt Ion: 43 Resp: 368  
Ion Ratio Lower Upper  
43 100  
70 25.0 29.4 44.0#  
55 0.0 18.1 27.1#  
61 0.0 17.6 26.4#

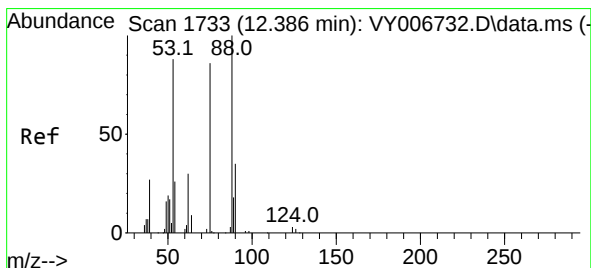
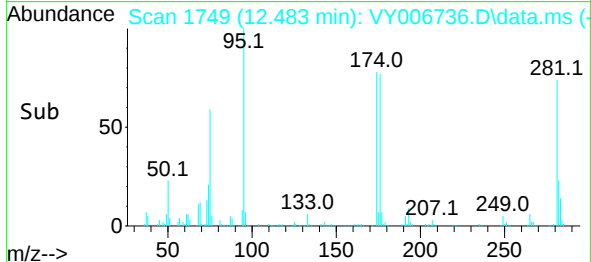
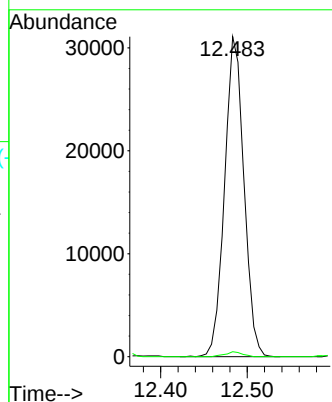
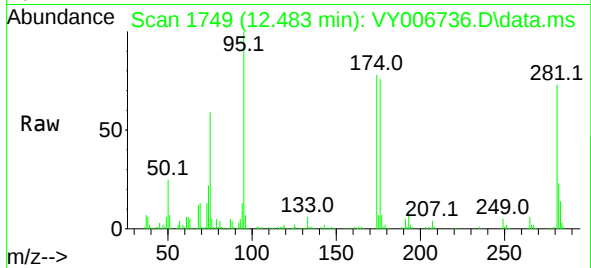




#76  
1,2,3-Trichloropropane  
Concen: 54.754 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

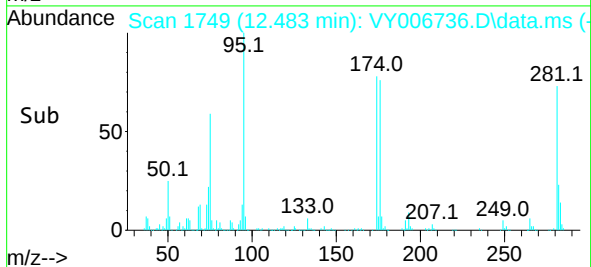
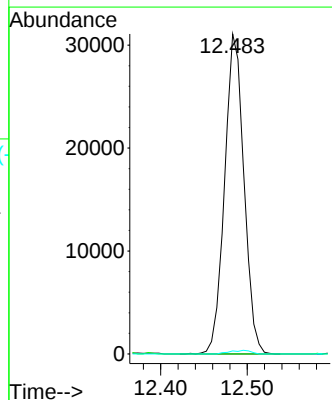
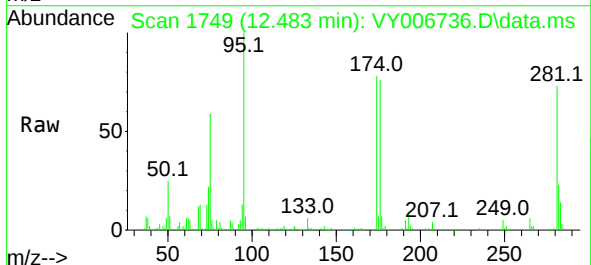
Instrument :  
MSVOA\_Y  
ClientSampleId :

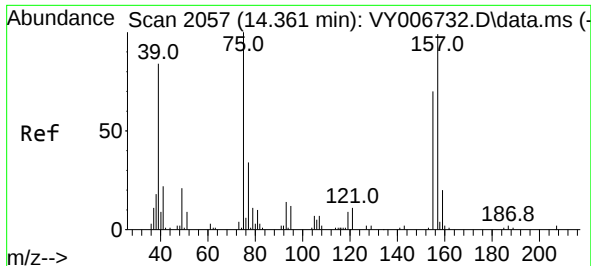
Tgt Ion: 75 Resp: 48162  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 108.494 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

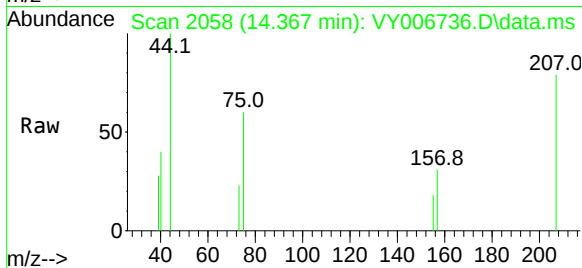
Tgt Ion: 75 Resp: 48162  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 1.2 39.3 58.9#



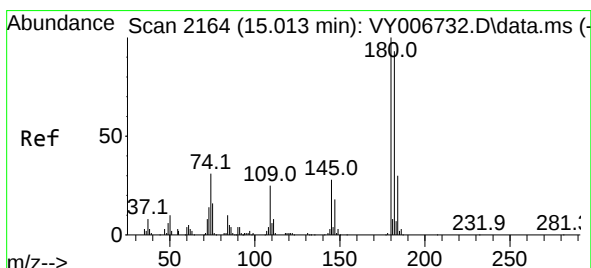
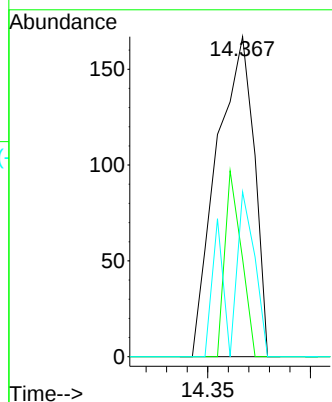
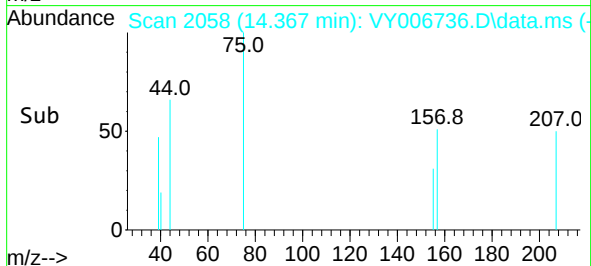


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.047 ug/l  
 RT: 14.367 min Scan# 2057  
 Delta R.T. 0.006 min  
 Lab File: VY006736.D  
 Acq: 15 Nov 2021 17:11

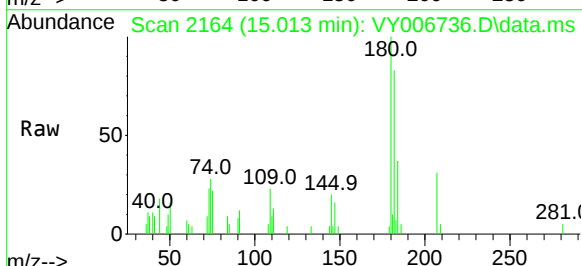
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



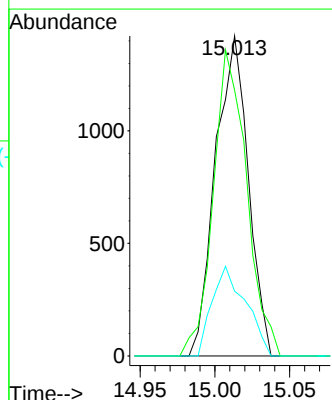
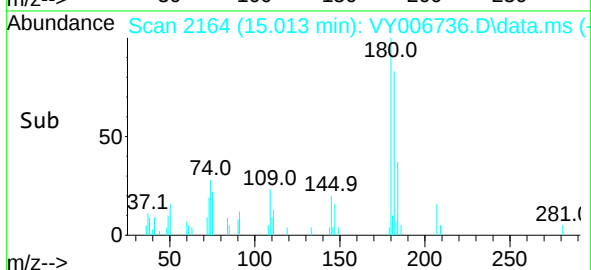
Tgt Ion: 75 Resp: 211  
 Ion Ratio Lower Upper  
 75 100  
 155 25.6 39.0 116.9#  
 157 36.5 49.2 147.6#

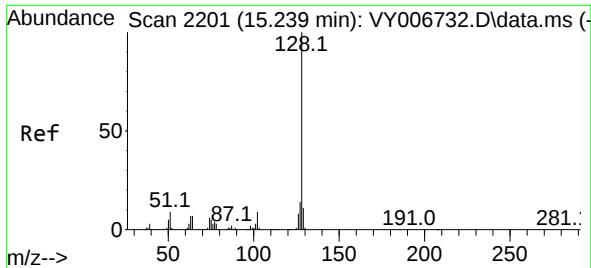


#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.375 ug/l  
 RT: 15.013 min Scan# 2164  
 Delta R.T. -0.000 min  
 Lab File: VY006736.D  
 Acq: 15 Nov 2021 17:11



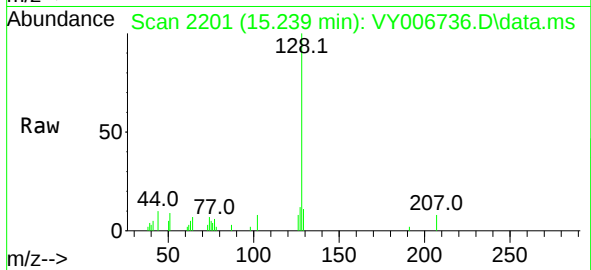
Tgt Ion: 180 Resp: 2166  
 Ion Ratio Lower Upper  
 180 100  
 182 97.7 47.1 141.4  
 145 28.7 14.5 43.6



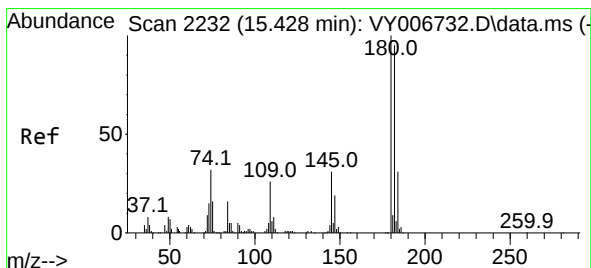
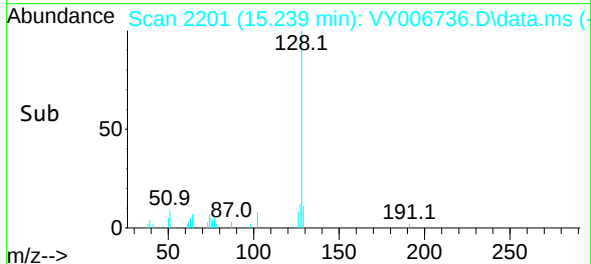
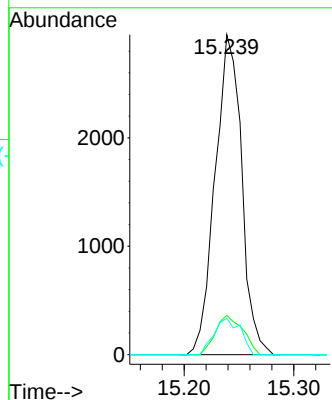


#95  
Naphthalene  
Concen: 1.703 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion:128 Resp: 4964  
Ion Ratio Lower Upper  
128 100  
127 12.7 11.0 16.4  
129 11.3 8.9 13.3



#96  
1,2,3-Trichlorobenzene  
Concen: 1.693 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY006736.D  
Acq: 15 Nov 2021 17:11

Tgt Ion:180 Resp: 2223  
Ion Ratio Lower Upper  
180 100  
182 93.4 47.8 143.4  
145 29.4 15.3 45.8

