

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY033022\  
 Data File : VY008112.D  
 Acq On : 30 Mar 2022 15:41  
 Operator : SY/MD  
 Sample : N2155-07RE  
 Misc : 5.23g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 22L076-GRE

Quant Time: Mar 31 04:33:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

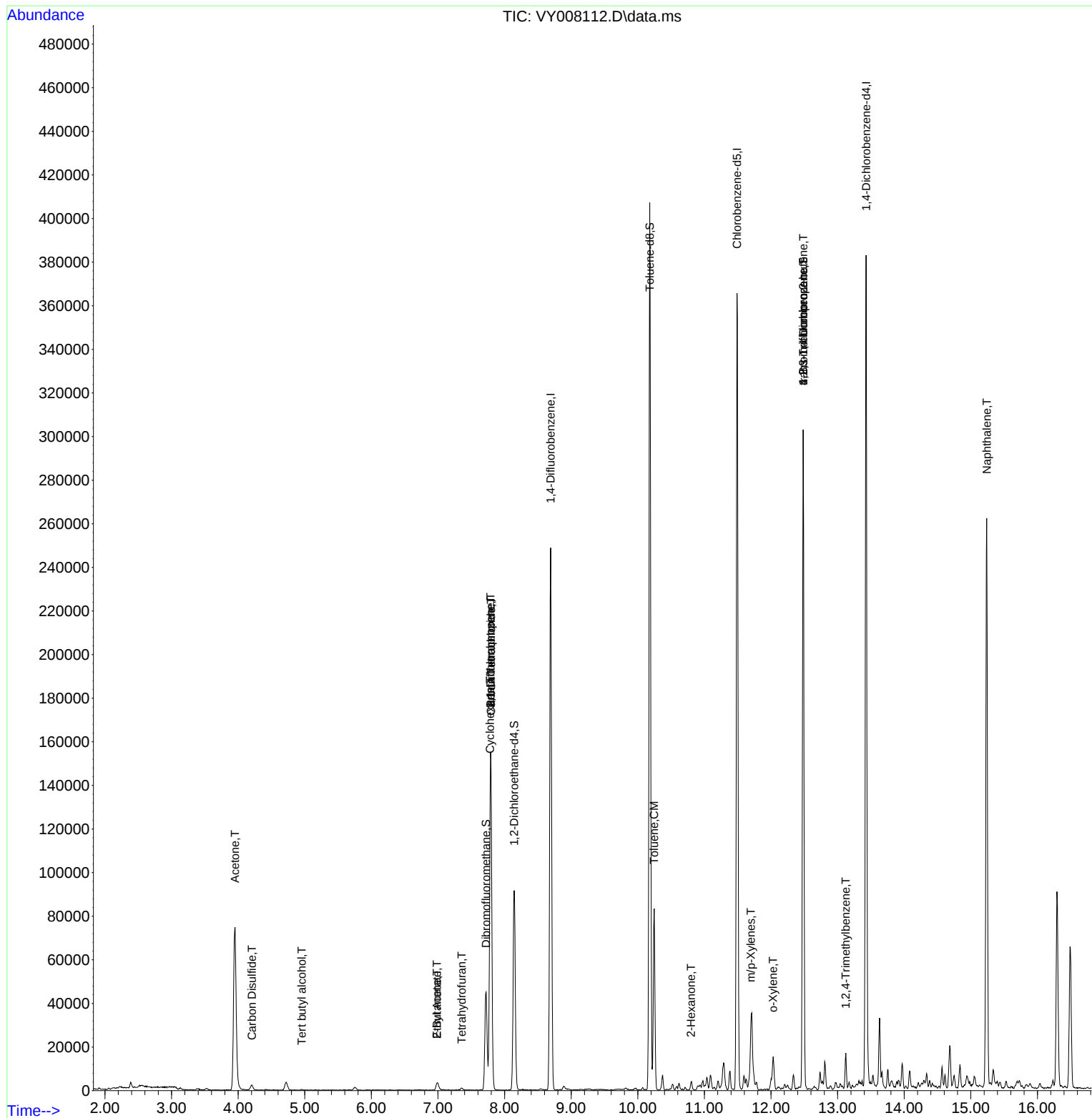
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 122061              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 222164              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 209857              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 96668               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 71285               | 58.209    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 116.420% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 32846               | 23.581    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 47.160%# |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 270324              | 51.512    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.020% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 95052               | 51.340    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 102.680% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.954          | 59   | 495                 | 3.896     | ug/l # | 77       |
| 16) Acetone                   | 3.954          | 43   | 130765              | 467.156   | ug/l # | 86       |
| 17) Carbon Disulfide          | 4.204          | 76   | 3698                | 1.008     | ug/l   | 95       |
| 18) Methyl Acetate            | 4.259          | 43   | 27                  | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.716          | 84   | 2970                | Below Cal |        | 85       |
| 25) 2-Butanone                | 6.984          | 43   | 5625                | 13.205    | ug/l # | 82       |
| 29) Tetrahydrofuran           | 7.356          | 42   | 808                 | 2.918     | ug/l   | 96       |
| 31) Cyclohexane               | 7.783          | 56   | 2510                | 1.096     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 9481                | 4.333     | ug/l # | 51       |
| 37) Ethyl Acetate             | 6.984          | 43   | 5625                | 5.503     | ug/l # | 72       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 12339               | 5.175     | ug/l # | 14       |
| 52) Toluene                   | 10.246         | 92   | 34793               | 8.477     | ug/l   | 97       |
| 59) 2-Hexanone                | 10.800         | 43   | 1772                | 2.502     | ug/l # | 28       |
| 68) m/p-Xylenes               | 11.697         | 106  | 7316                | 2.218     | ug/l   | 99       |
| 69) o-Xylene                  | 12.032         | 106  | 3443                | 1.090     | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 48526               | 41.180    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 48526               | 91.879    | ug/l # | 7        |
| 84) 1,2,4-Trimethylbenzene    | 13.123         | 105  | 8766                | 1.377     | ug/l   | 100      |
| 95) Naphthalene               | 15.239         | 128  | 219134              | 51.803    | ug/l   | 99       |
| -----                         |                |      |                     |           |        |          |

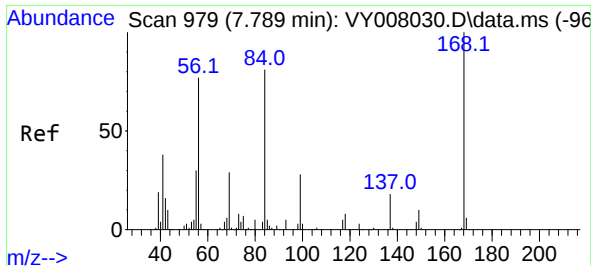
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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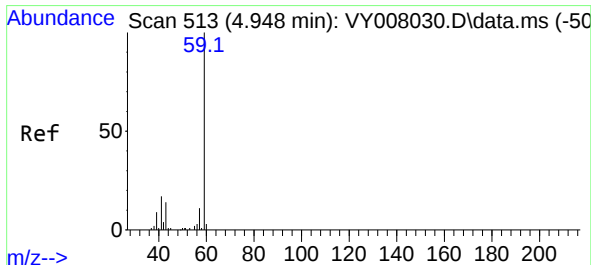
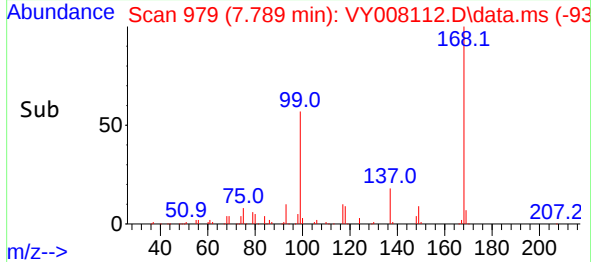
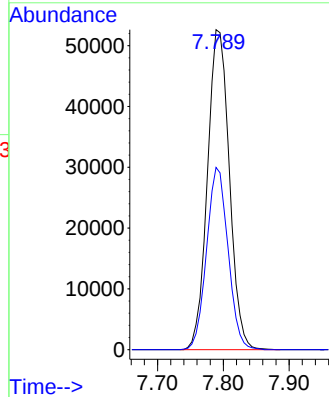
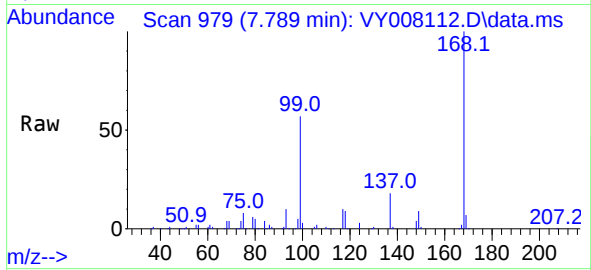




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

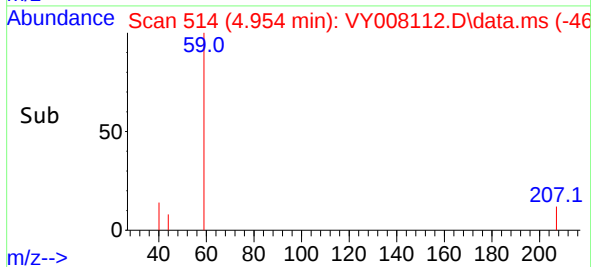
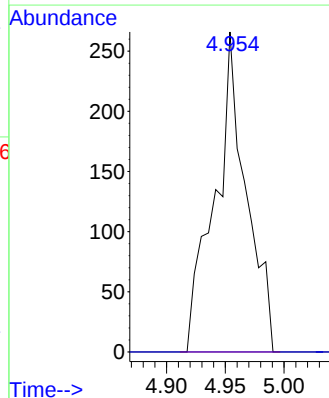
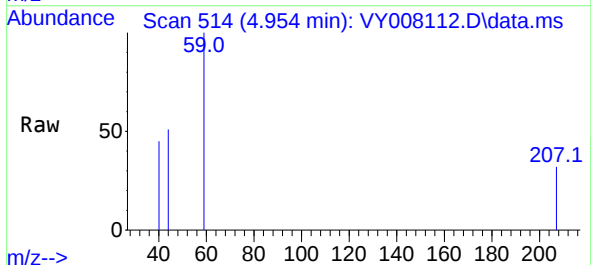
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

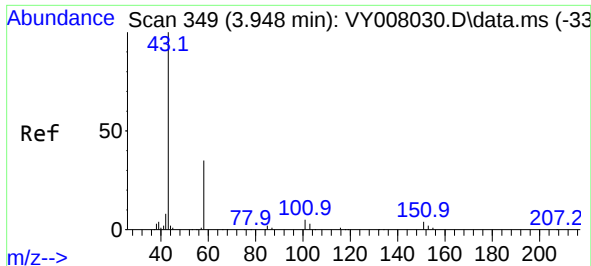
Tgt Ion:168 Resp: 122061  
Ion Ratio Lower Upper  
168 100  
99 57.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 3.896 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 59 Resp: 495  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

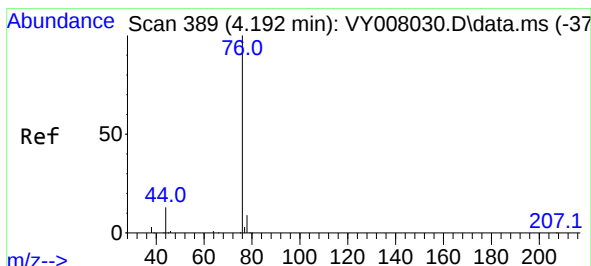
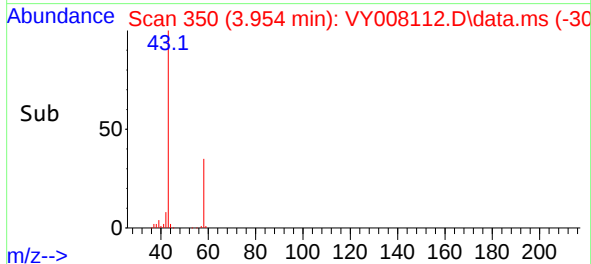
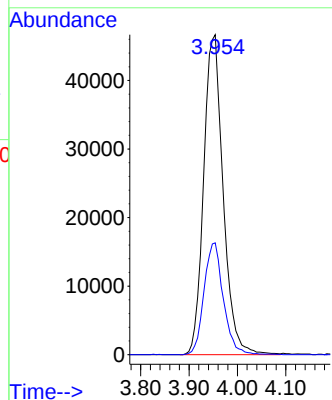
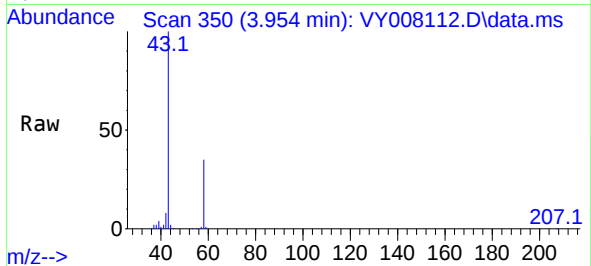




#16  
Acetone  
Concen: 467.156 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

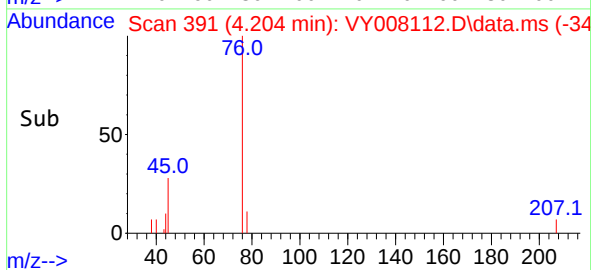
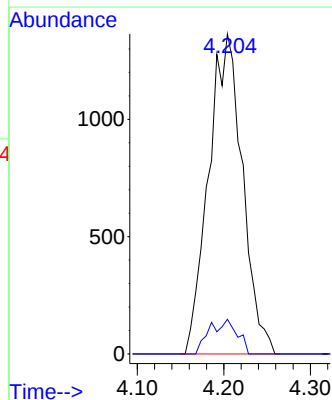
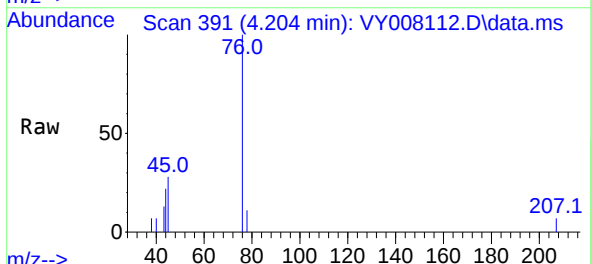
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

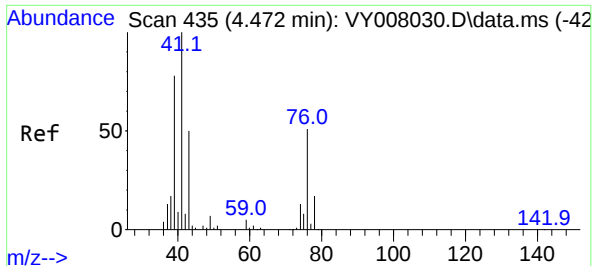
Tgt Ion: 43 Resp: 130765  
Ion Ratio Lower Upper  
43 100  
58 34.9 22.0 33.0#



#17  
Carbon Disulfide  
Concen: 1.008 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 76 Resp: 3698  
Ion Ratio Lower Upper  
76 100  
78 10.9 7.4 11.0

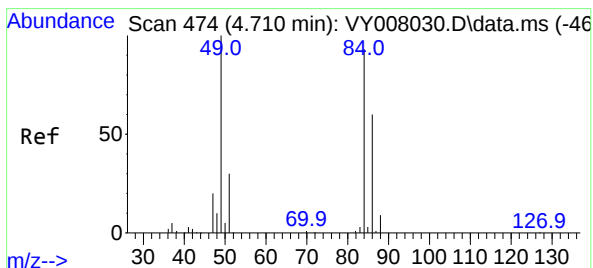
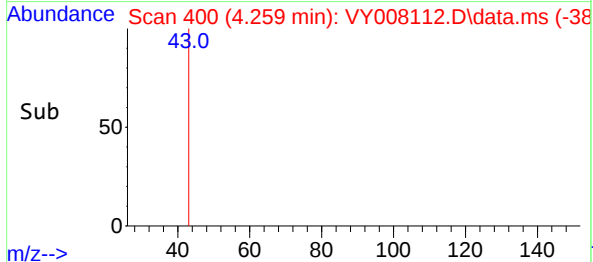
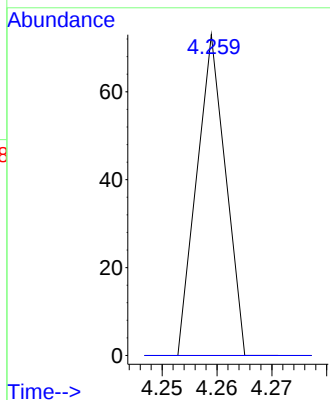
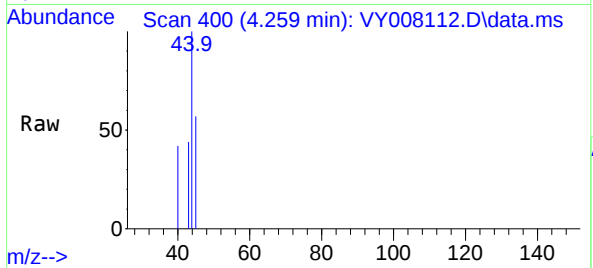




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.259 min Scan# 40  
Delta R.T. -0.213 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

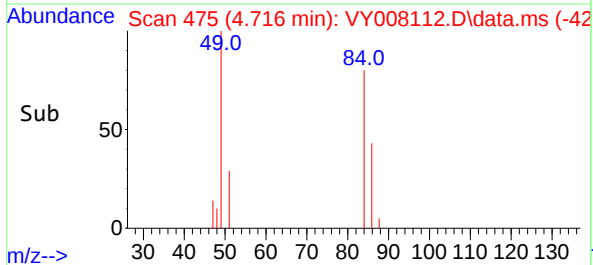
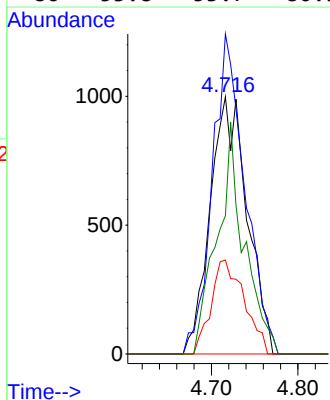
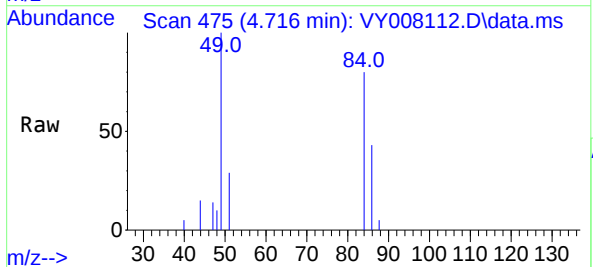
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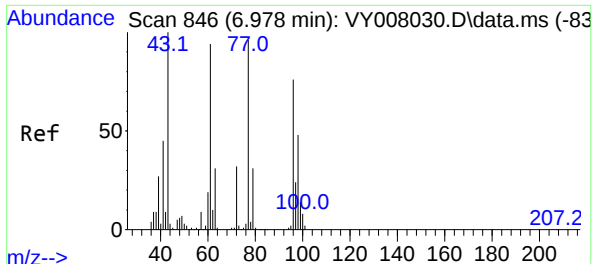
Tgt Ion: 43 Resp: 27  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 84 Resp: 2970  
Ion Ratio Lower Upper  
84 100  
49 124.4 114.4 171.6  
51 36.6 35.3 52.9  
86 53.8 53.7 80.5





#25

2-Butanone

Concen: 13.205 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY008112.D

Acq: 30 Mar 2022 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

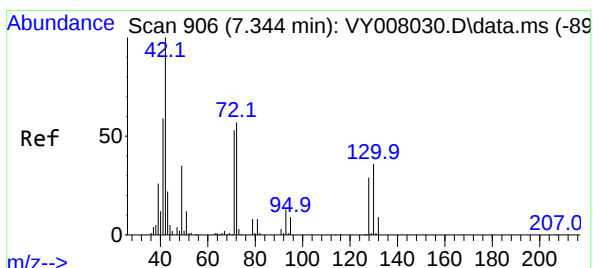
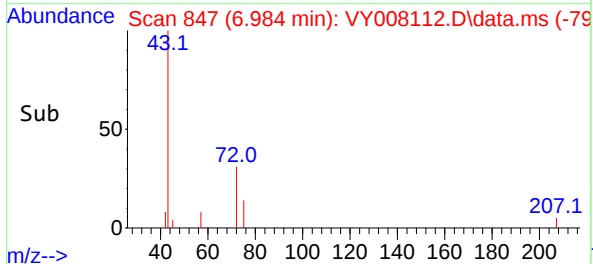
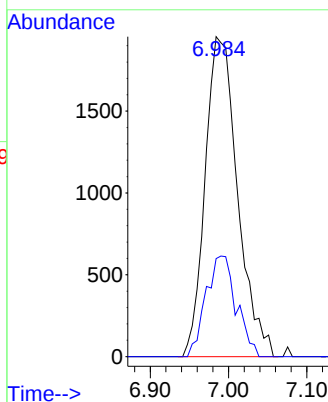
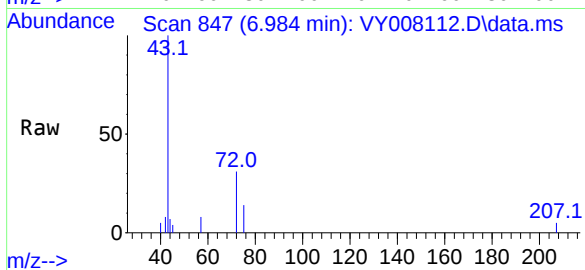
22L076-GRE

Tgt Ion: 43 Resp: 5625

Ion Ratio Lower Upper

43 100

72 30.6 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.918 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY008112.D

Acq: 30 Mar 2022 15:41

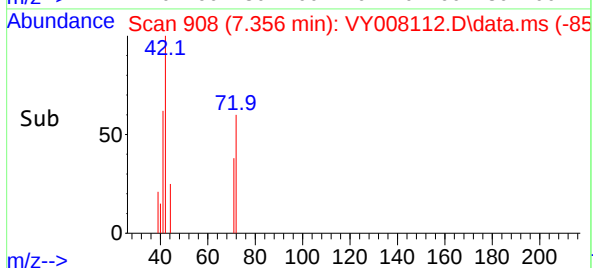
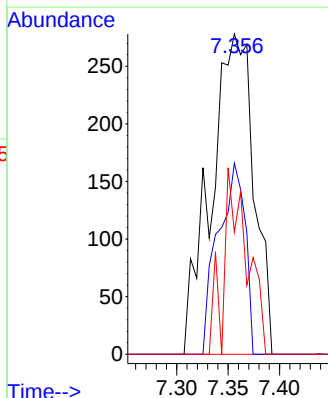
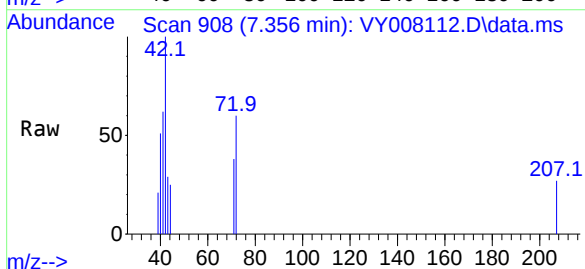
Tgt Ion: 42 Resp: 808

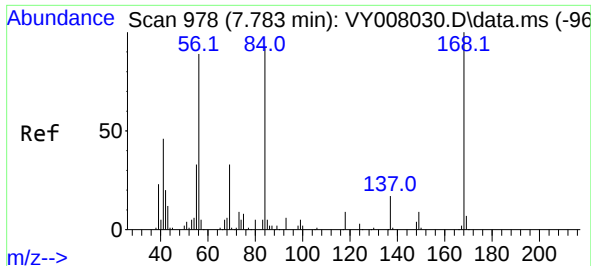
Ion Ratio Lower Upper

42 100

72 37.5 30.3 45.5

71 32.1 29.0 43.4

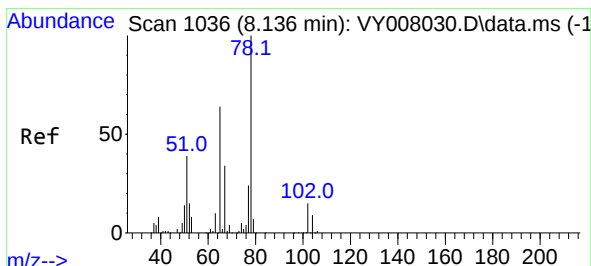
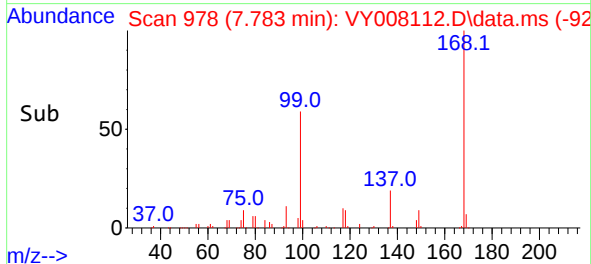
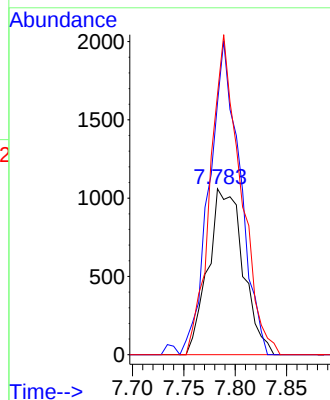
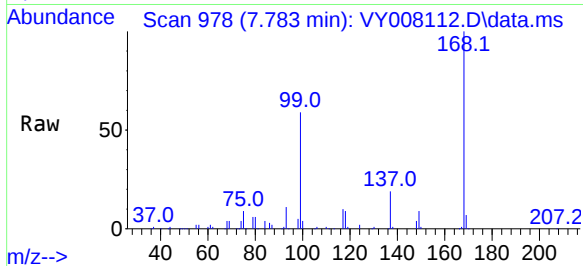




#31  
Cyclohexane  
Concen: 1.096 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

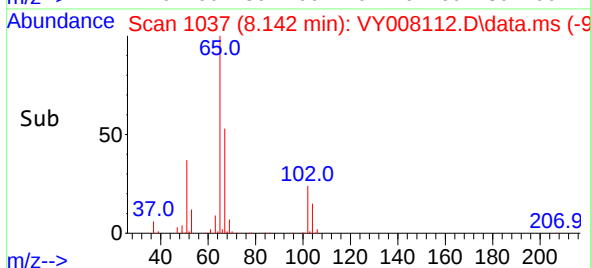
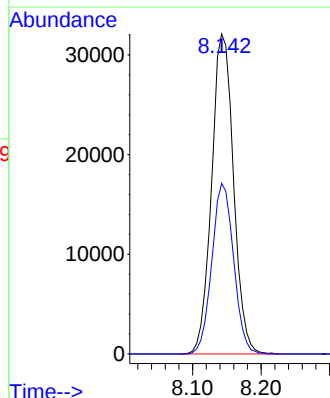
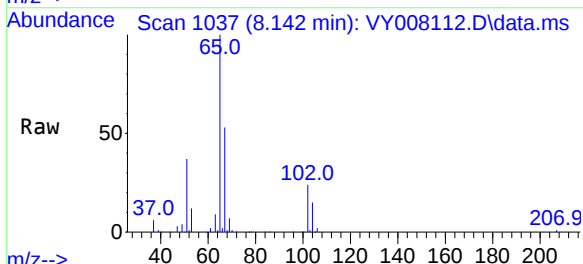
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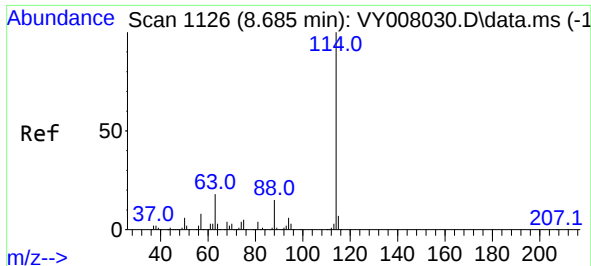
Tgt Ion: 56 Resp: 2510  
Ion Ratio Lower Upper  
56 100  
69 151.6 26.7 40.1#  
84 156.8 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 58.209 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 65 Resp: 71285  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008112.D

Acq: 30 Mar 2022 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

22L076-GRE

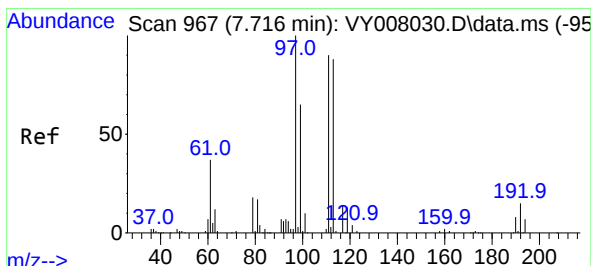
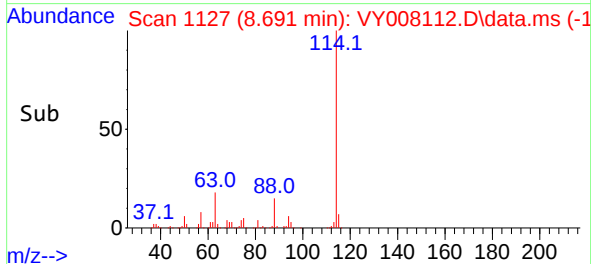
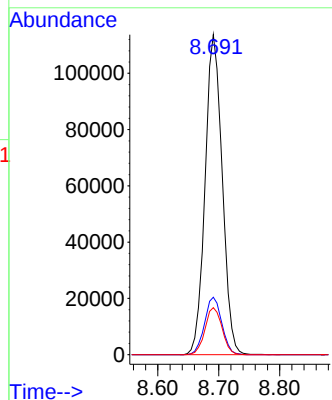
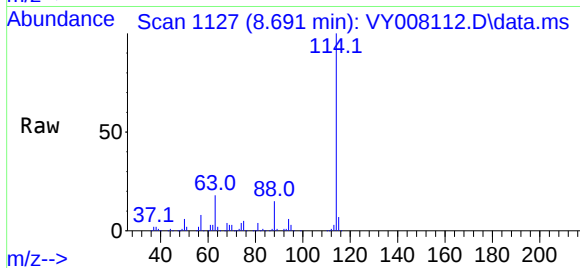
Tgt Ion:114 Resp: 222164

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 23.581 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008112.D

Acq: 30 Mar 2022 15:41

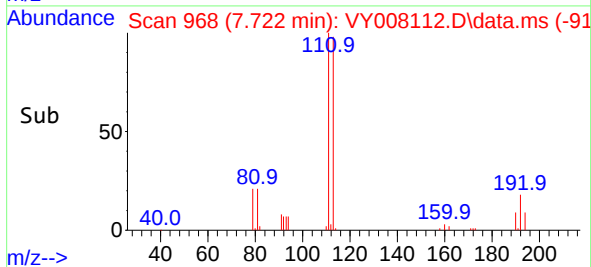
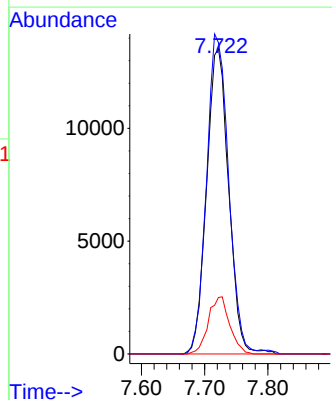
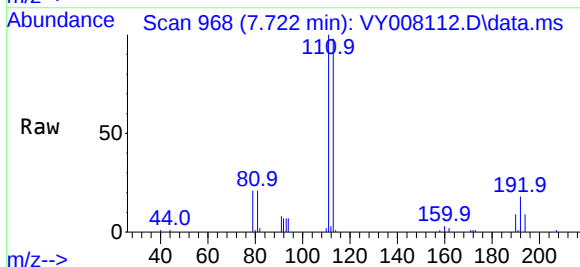
Tgt Ion:113 Resp: 32846

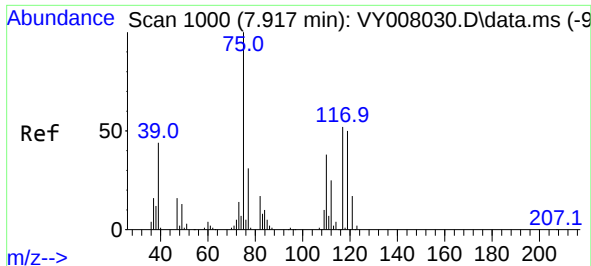
Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

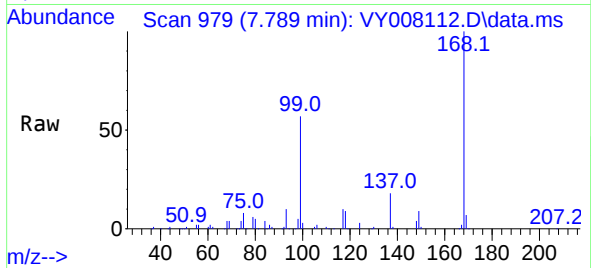
192 18.1 17.6 26.4



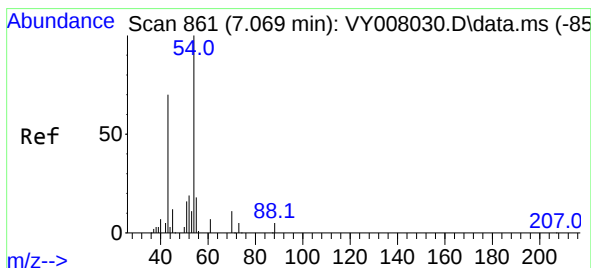
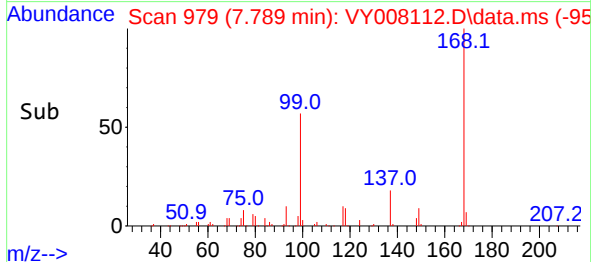
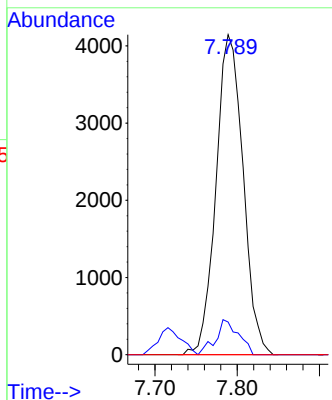


#36  
1,1-Dichloropropene  
Concen: 4.333 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

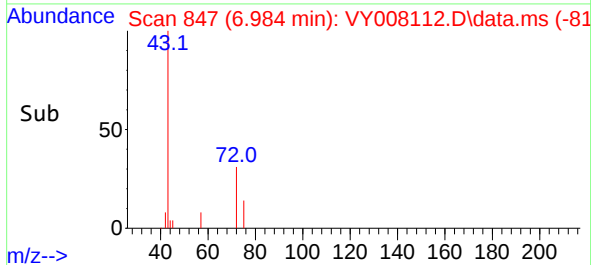
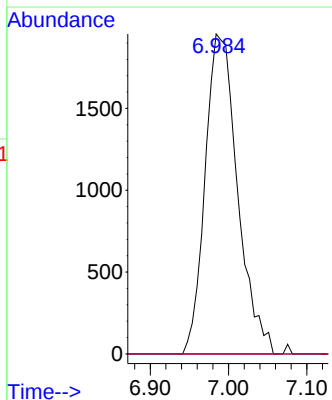
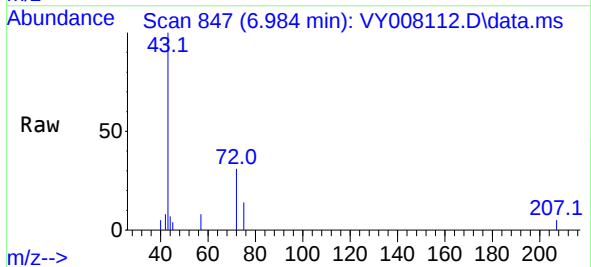


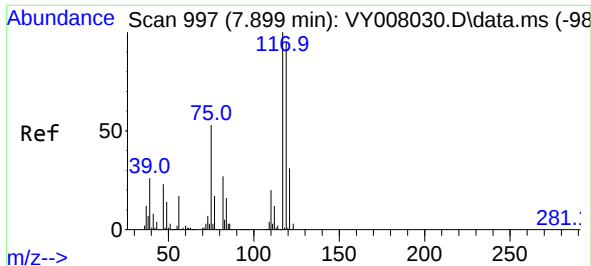
Tgt Ion: 75 Resp: 9481  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.1 51.2#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 5.503 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.085 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 43 Resp: 5625  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.7 14.5#  
70 0.0 7.1 10.7#

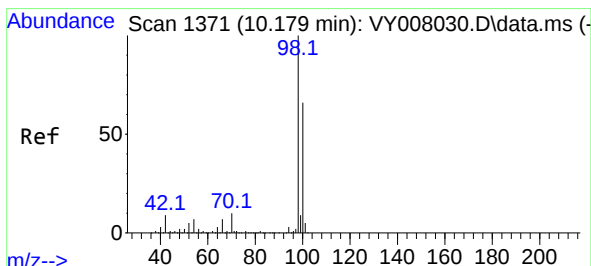
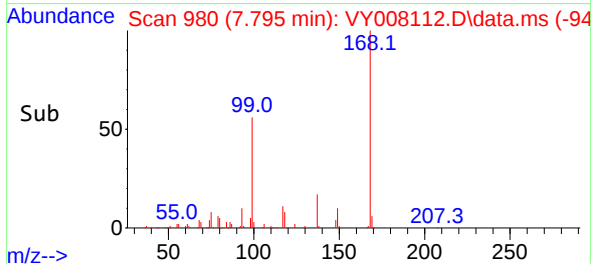
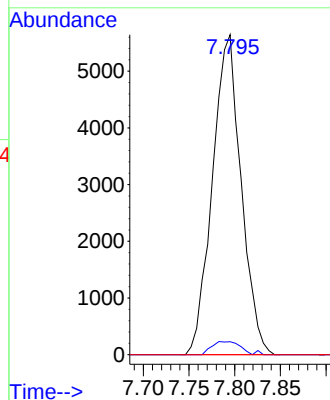
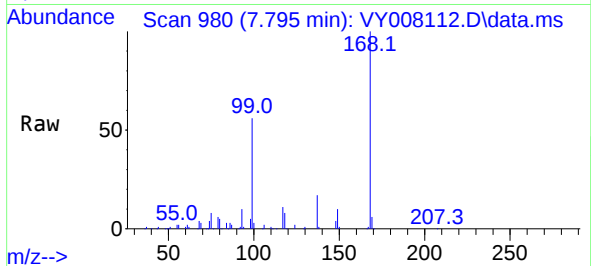




#38  
Carbon Tetrachloride  
Concen: 5.175 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

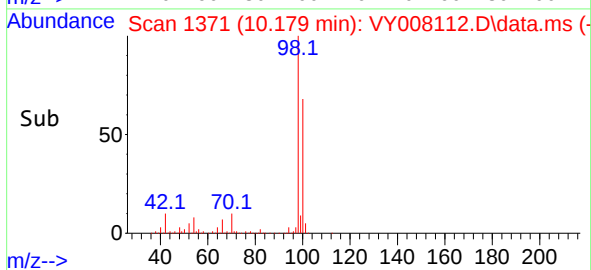
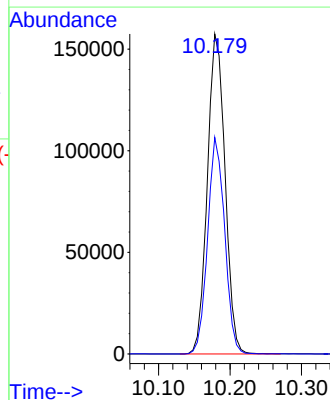
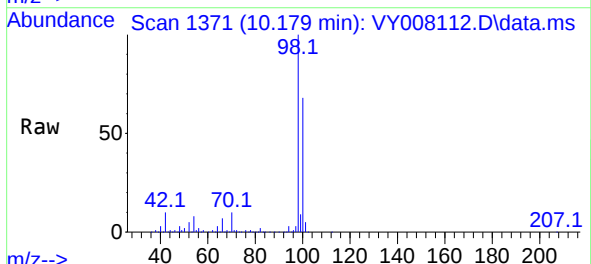
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

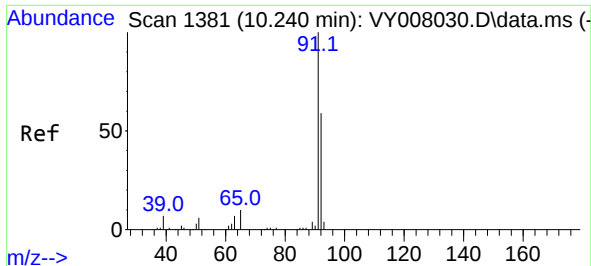
Tgt Ion:117 Resp: 12339  
Ion Ratio Lower Upper  
117 100  
119 4.0 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.512 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 98 Resp: 270324  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2

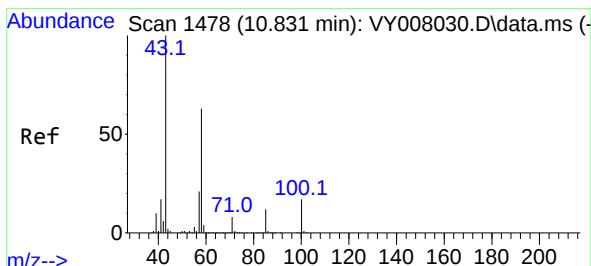
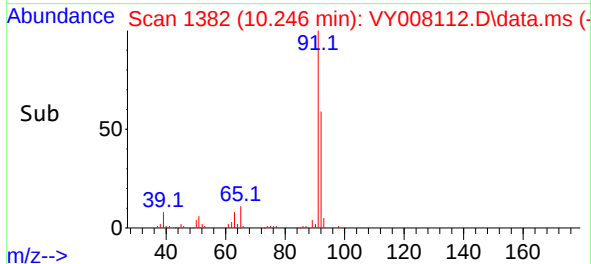
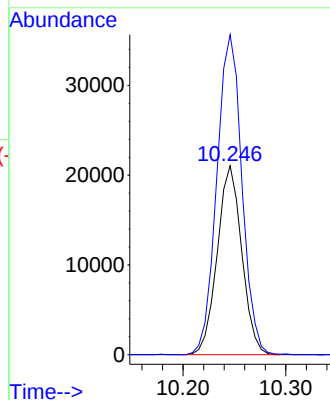
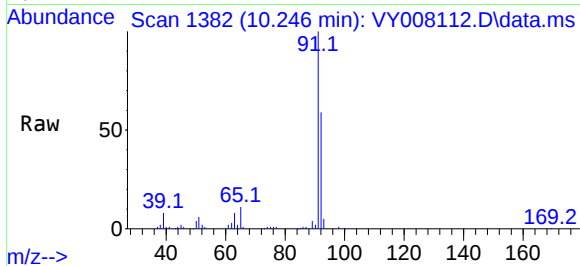




#52  
Toluene  
Concen: 8.477 ug/l  
RT: 10.246 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

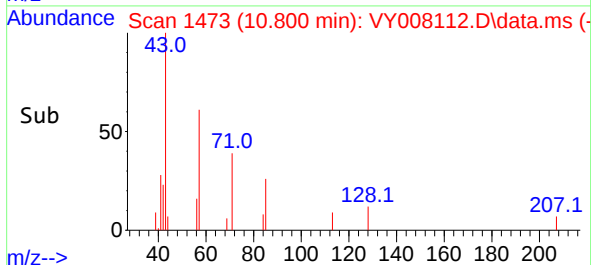
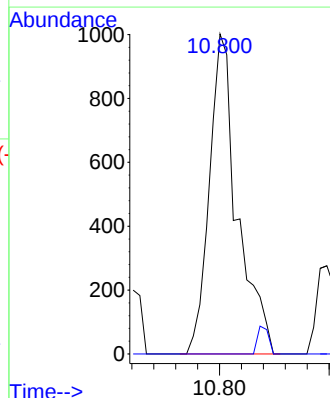
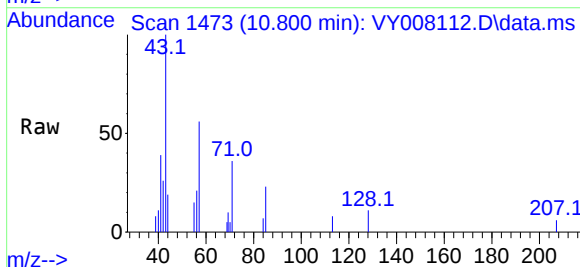
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

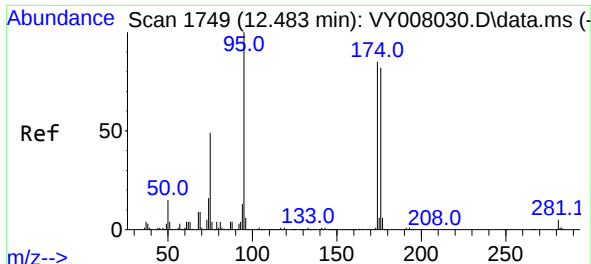
Tgt Ion: 92 Resp: 34793  
Ion Ratio Lower Upper  
92 100  
91 173.9 142.6 213.8



#59  
2-Hexanone  
Concen: 2.502 ug/l  
RT: 10.800 min Scan# 1473  
Delta R.T. -0.031 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 43 Resp: 1772  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 73.4#

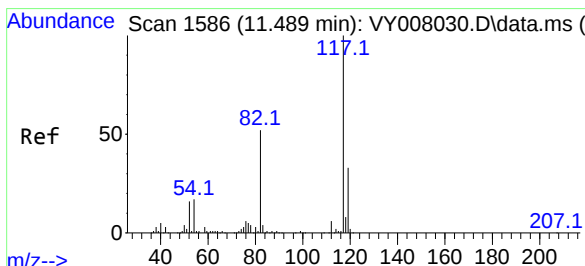
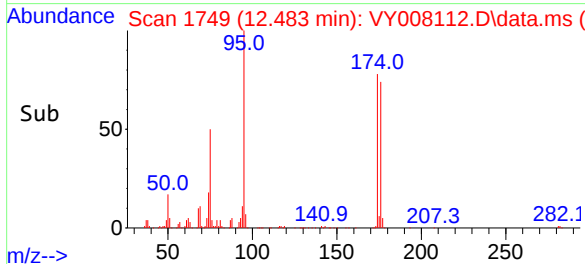
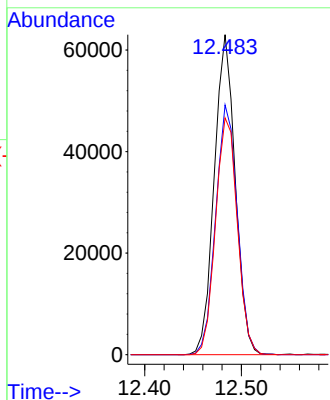
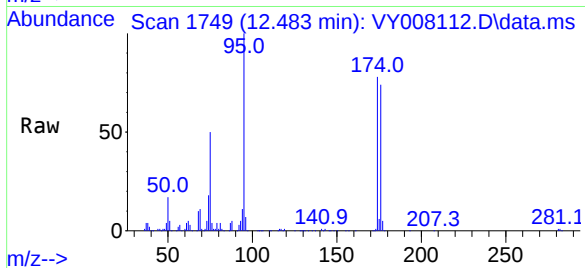




#62  
4-Bromofluorobenzene  
Concen: 51.340 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

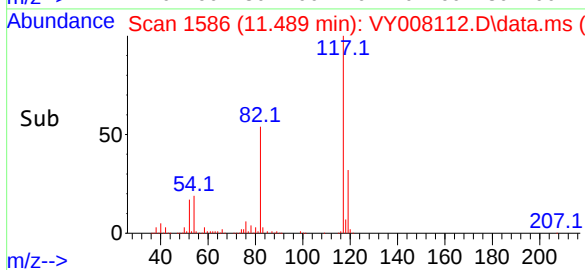
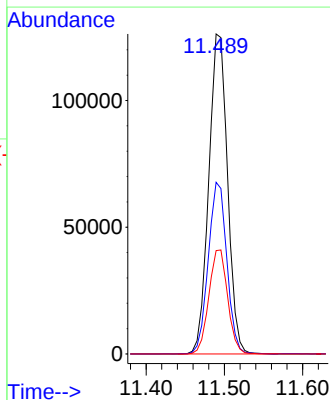
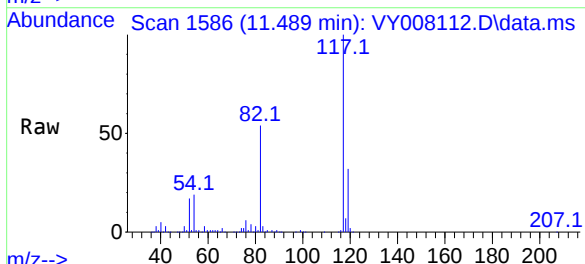
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

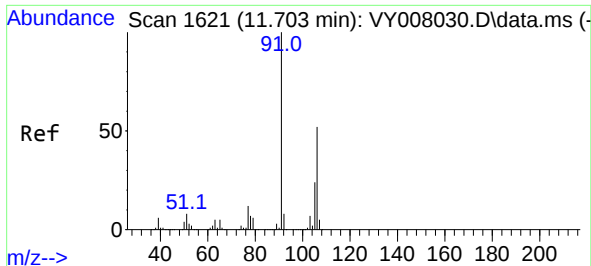
Tgt Ion: 95 Resp: 95052  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 177.0  
176 76.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion: 117 Resp: 209857  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 32.3 25.4 38.0

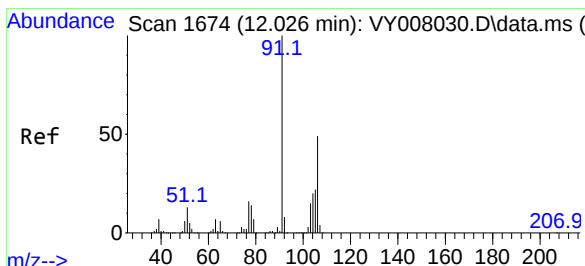
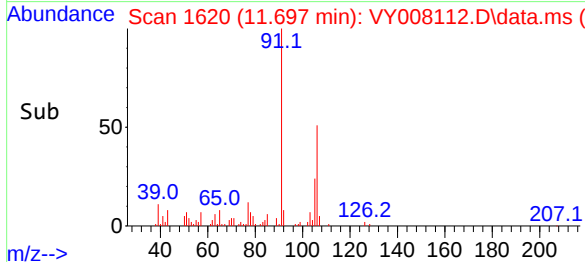
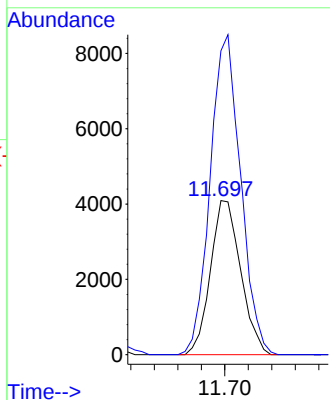
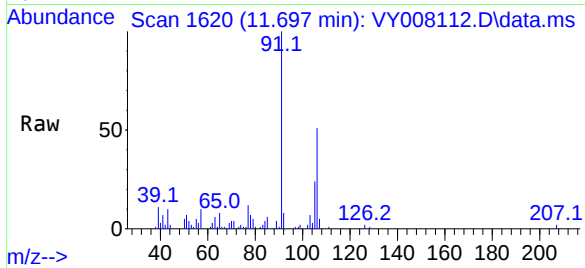




#68  
m/p-Xylenes  
Concen: 2.218 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

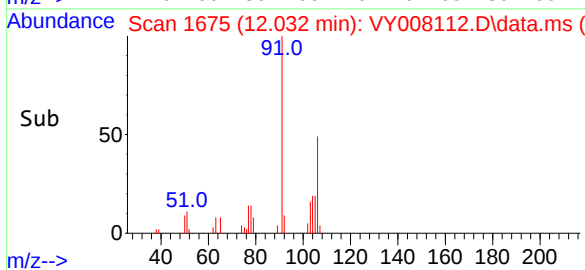
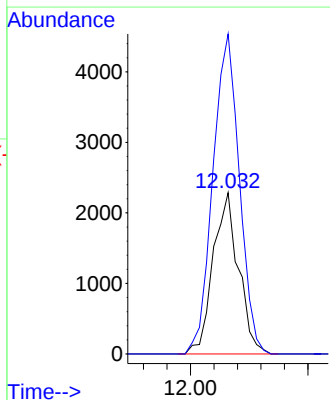
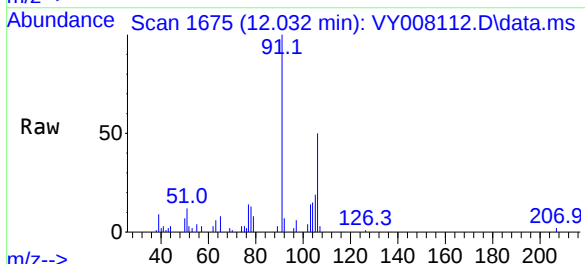
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

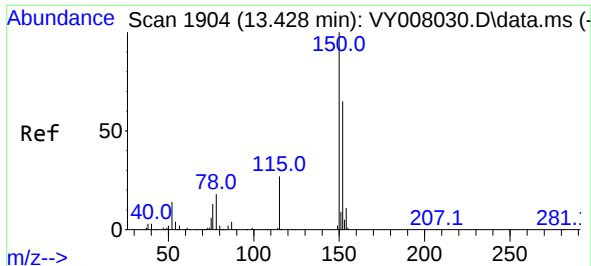
Tgt Ion:106 Resp: 7316  
Ion Ratio Lower Upper  
106 100  
91 209.0 166.6 249.8



#69  
o-Xylene  
Concen: 1.090 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Tgt Ion:106 Resp: 3443  
Ion Ratio Lower Upper  
106 100  
91 206.4 110.3 331.0

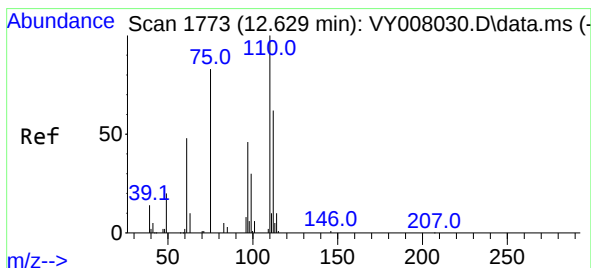
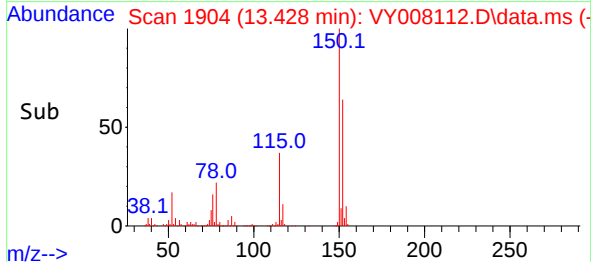
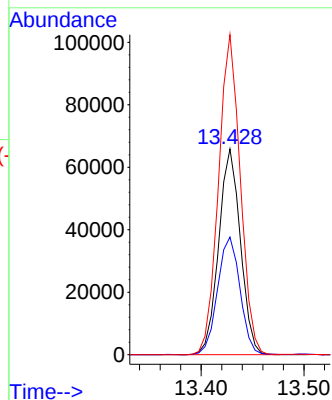
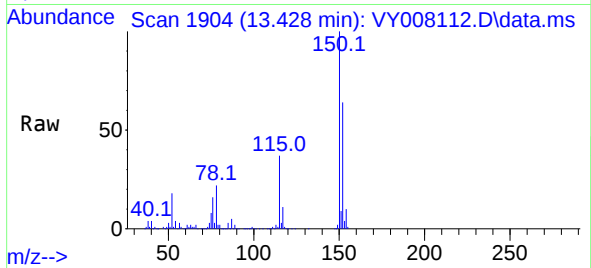




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008112.D  
 Acq: 30 Mar 2022 15:41

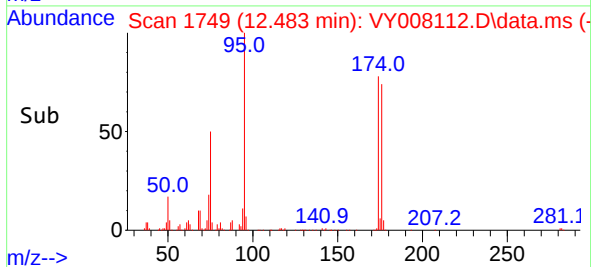
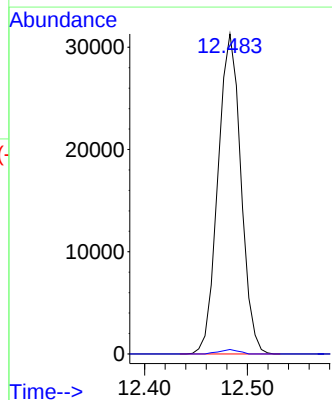
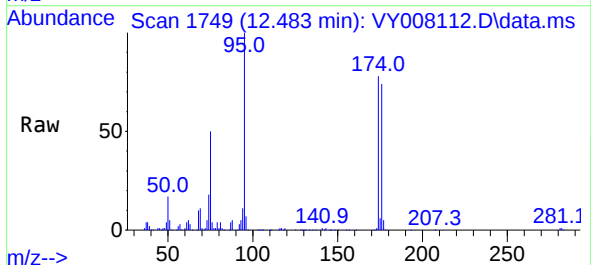
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 22L076-GRE

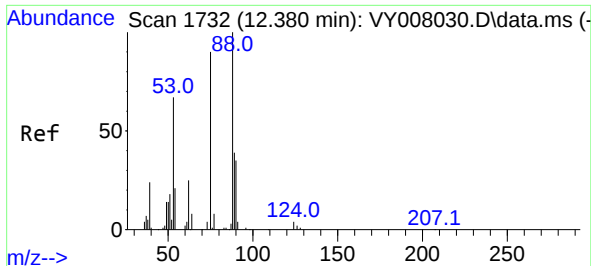
Tgt Ion:152 Resp: 96668  
 Ion Ratio Lower Upper  
 152 100  
 115 59.2 28.2 84.7  
 150 155.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 41.180 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY008112.D  
 Acq: 30 Mar 2022 15:41

Tgt Ion: 75 Resp: 48526  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

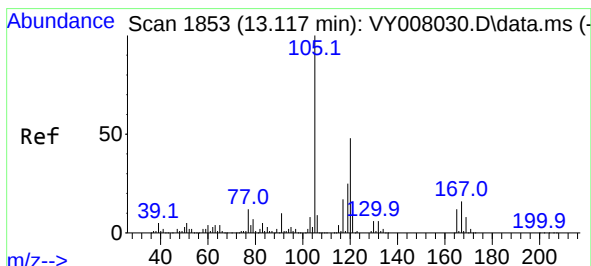
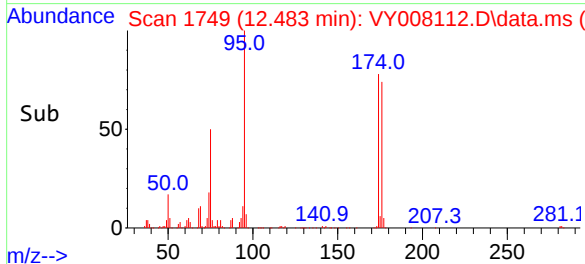
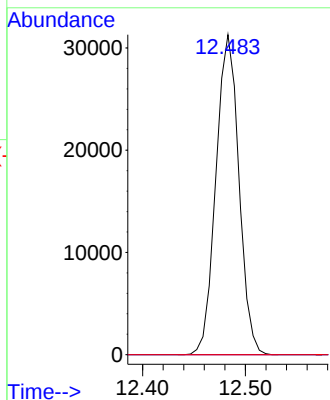
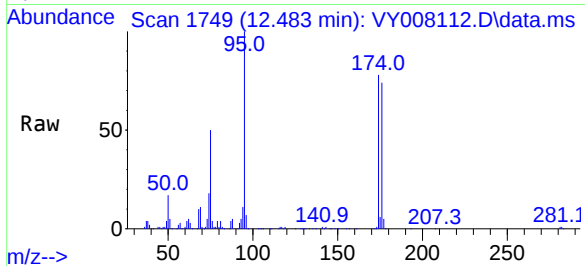




#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.879 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

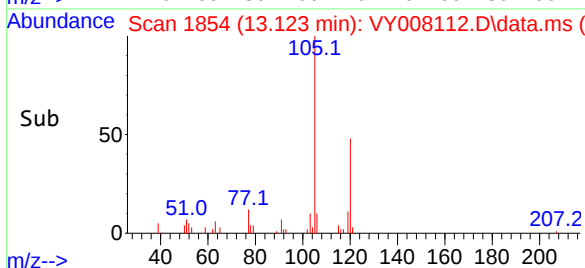
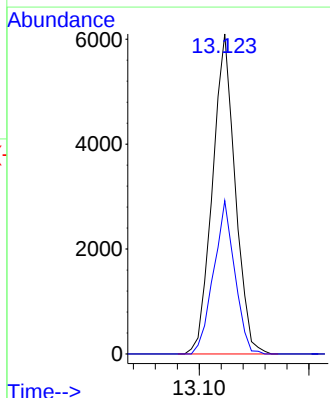
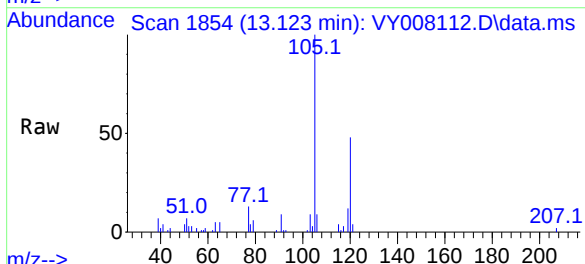
Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE

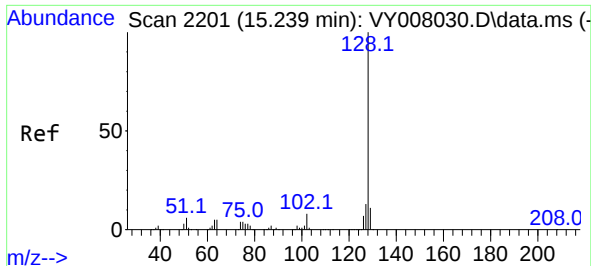
Tgt Ion: 75 Resp: 48526  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#



#84  
1,2,4-Trimethylbenzene  
Concen: 1.377 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

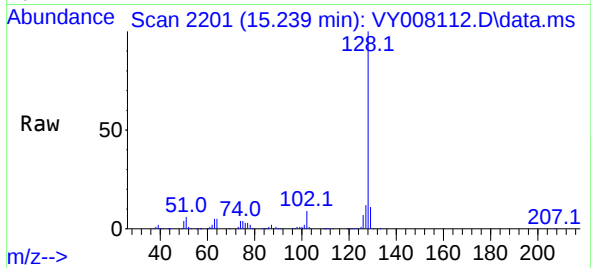
Tgt Ion: 105 Resp: 8766  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.3 66.9





#95  
Naphthalene  
Concen: 51.803 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY008112.D  
Acq: 30 Mar 2022 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
22L076-GRE



Tgt Ion:128 Resp: 219134  
Ion Ratio Lower Upper  
128 100  
127 13.0 11.0 16.4  
129 10.8 8.4 12.6

