

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092521\  
 Data File : VU044877.D  
 Acq On : 26 Sep 2021 07:48  
 Operator : SY/MD  
 Sample : M3888-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 20898

Quant Time: Sep 27 03:19:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 09:30:46 2021  
 Response via : Initial Calibration

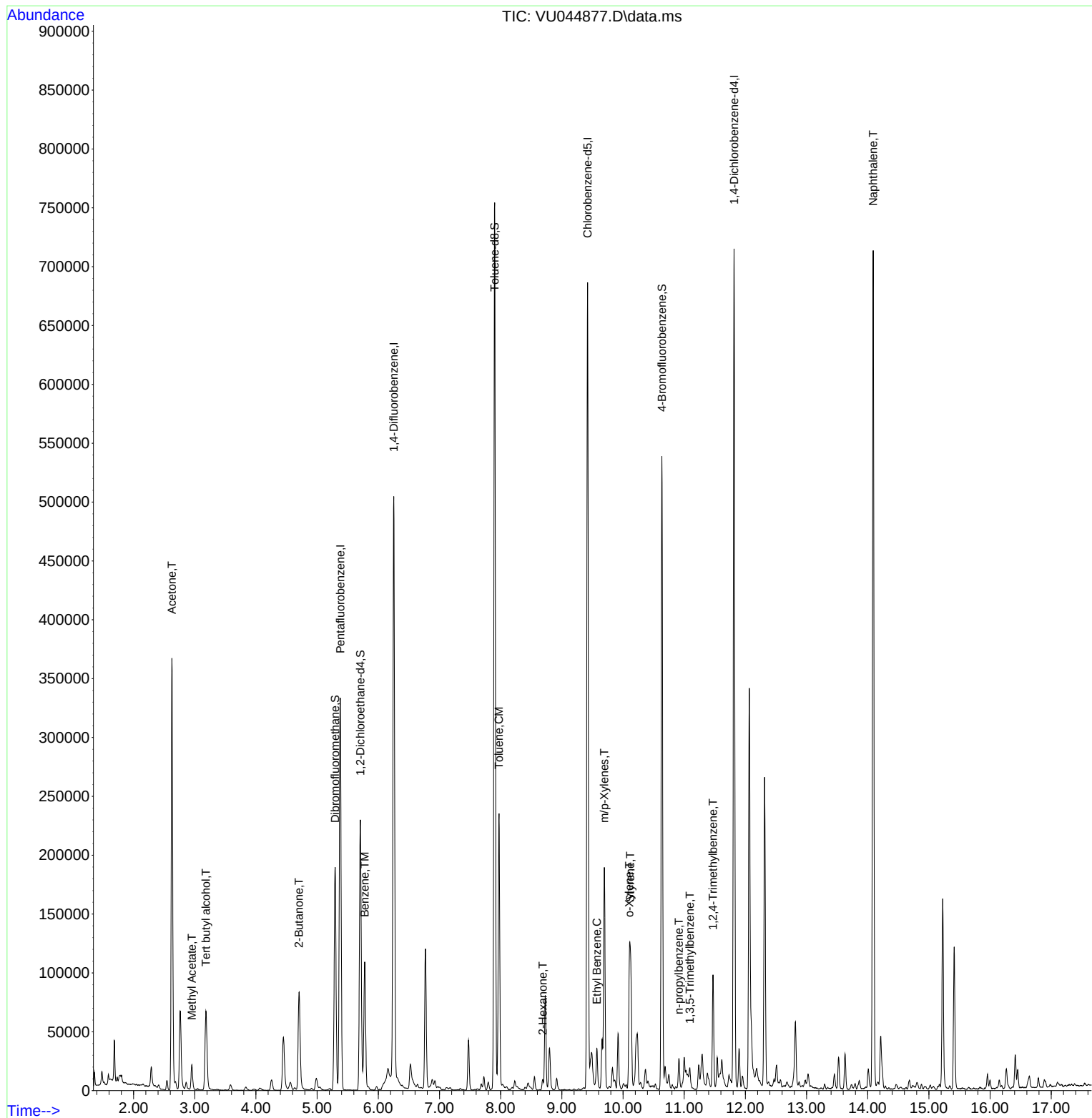
| Compound                    | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| -----                       |        |      |          |         |         |          |
| Internal Standards          |        |      |          |         |         |          |
| 1) Pentafluorobenzene       | 5.378  | 168  | 217142   | 50.000  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253  | 114  | 380391   | 50.000  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.420  | 117  | 351757   | 50.000  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.815 | 152  | 170490   | 50.000  | ug/l    | 0.00     |
|                             |        |      |          |         |         |          |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.706  | 65   | 169253   | 44.661  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =       | 89.320% |          |
| 35) Dibromofluoromethane    | 5.295  | 113  | 117666   | 45.091  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =       | 90.180% |          |
| 50) Toluene-d8              | 7.902  | 98   | 482727   | 48.980  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =       | 97.960% |          |
| 62) 4-Bromofluorobenzene    | 10.635 | 95   | 177911   | 48.601  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =       | 97.200% |          |
|                             |        |      |          |         |         |          |
| Target Compounds            |        |      |          |         | Qvalue  |          |
| 11) Tert butyl alcohol      | 3.182  | 59   | 84381    | 76.286  | ug/l    | 99       |
| 16) Acetone                 | 2.626  | 43   | 396216   | 185.350 | ug/l    | 99       |
| 18) Methyl Acetate          | 2.951  | 43   | 24994    | 3.500   | ug/l    | 97       |
| 25) 2-Butanone              | 4.703  | 43   | 118927   | 36.666  | ug/l    | 100      |
| 40) Benzene                 | 5.777  | 78   | 96593    | 7.850   | ug/l    | 98       |
| 52) Toluene                 | 7.973  | 92   | 94719    | 12.875  | ug/l    | 100      |
| 59) 2-Hexanone              | 8.687  | 43   | 5962     | 1.258   | ug/l    | 100      |
| 67) Ethyl Benzene           | 9.574  | 91   | 23470    | 1.801   | ug/l    | 97       |
| 68) m/p-Xylenes             | 9.693  | 106  | 50782    | 10.187  | ug/l    | 95       |
| 69) o-Xylene                | 10.102 | 106  | 22669    | 4.703   | ug/l    | 97       |
| 70) Styrene                 | 10.118 | 104  | 31367    | 4.422   | ug/l    | 97       |
| 78) n-propylbenzene         | 10.915 | 91   | 11793    | 0.804   | ug/l #  | 68       |
| 80) 1,3,5-Trimethylbenzene  | 11.092 | 105  | 9461     | 0.923   | ug/l    | 95       |
| 84) 1,2,4-Trimethylbenzene  | 11.471 | 105  | 47266    | 4.677   | ug/l    | 90       |
| 95) Naphthalene             | 14.089 | 128  | 538477   | 41.345  | ug/l    | 100      |
| -----                       |        |      |          |         |         |          |

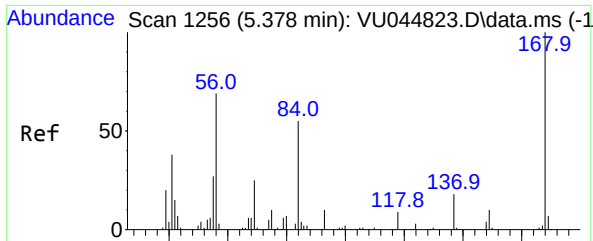
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 25 09:30:46 2021  
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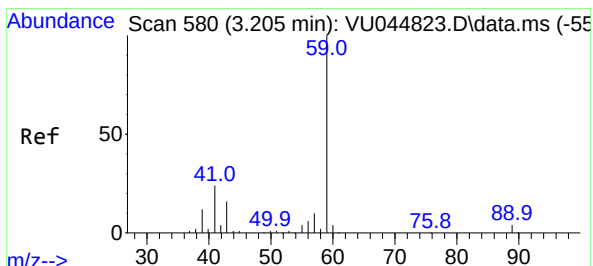
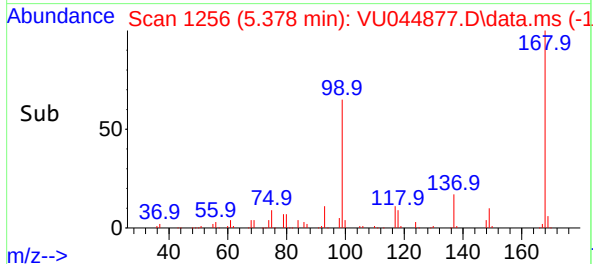
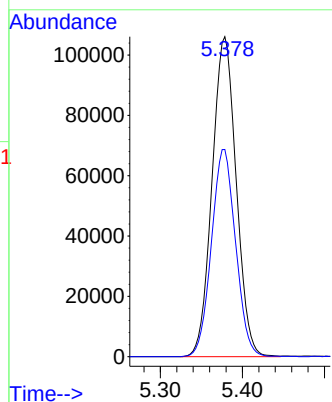
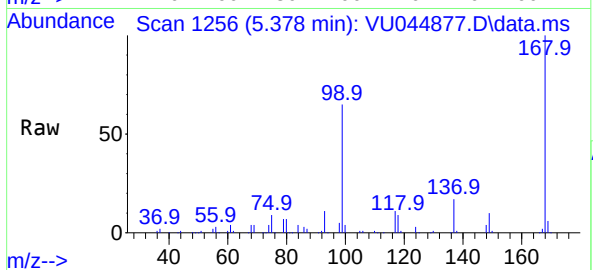




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

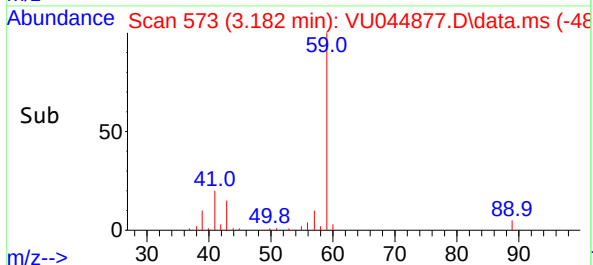
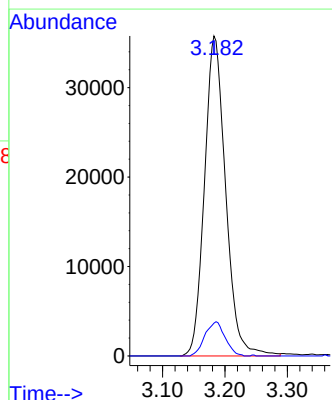
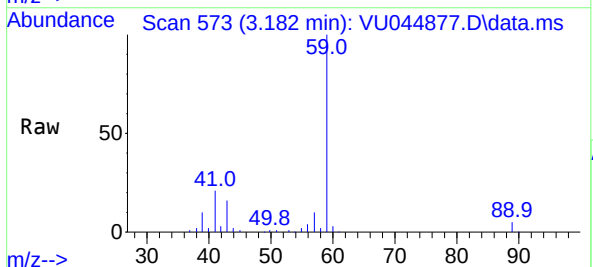
Instrument :  
MSVOA\_U  
ClientSampled :  
20898

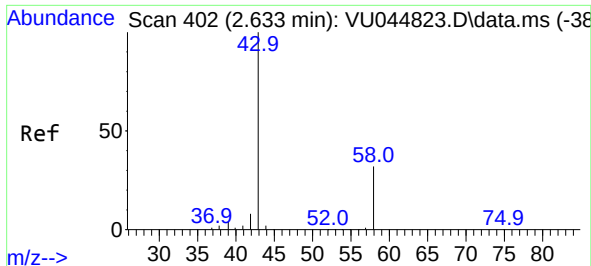
Tgt Ion:168 Resp: 217142  
Ion Ratio Lower Upper  
168 100  
99 64.8 51.4 77.0



#11  
Tert butyl alcohol  
Concen: 76.286 ug/l  
RT: 3.182 min Scan# 573  
Delta R.T. -0.023 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 59 Resp: 84381  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.3 12.5

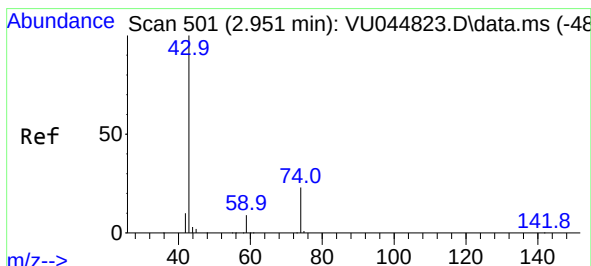
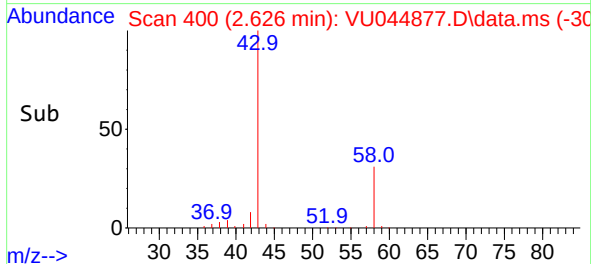
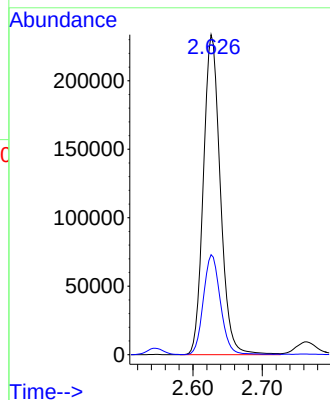
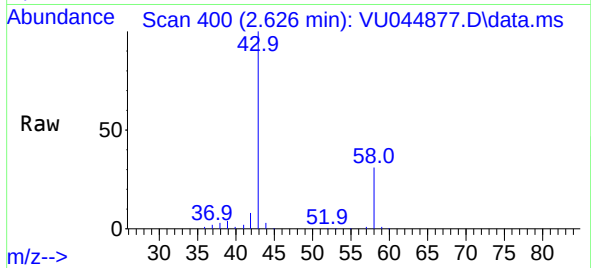




#16  
Acetone  
Concen: 185.350 ug/l  
RT: 2.626 min Scan# 400  
Delta R.T. -0.006 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

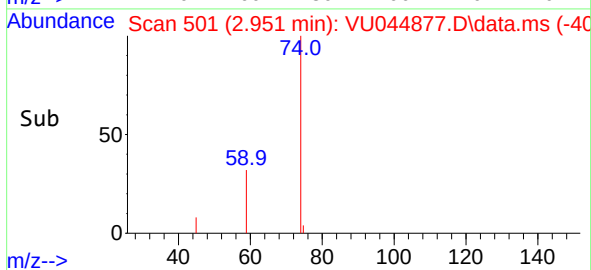
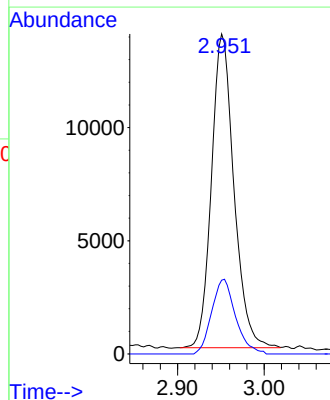
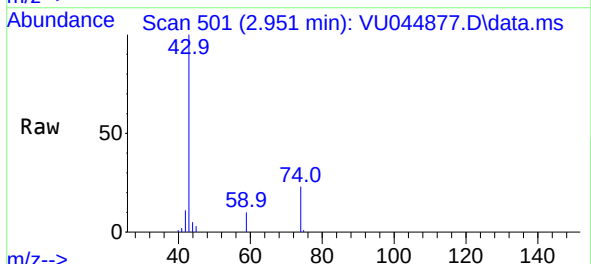
Instrument :  
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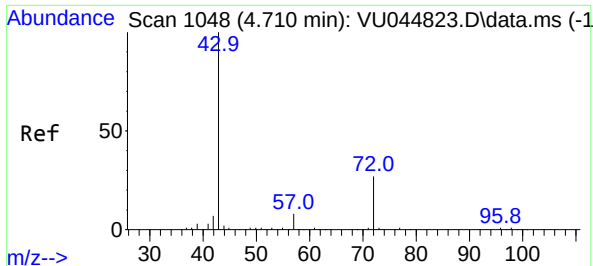
Tgt Ion: 43 Resp: 396216  
Ion Ratio Lower Upper  
43 100  
58 31.2 25.2 37.8



#18  
Methyl Acetate  
Concen: 3.500 ug/l  
RT: 2.951 min Scan# 501  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 43 Resp: 24994  
Ion Ratio Lower Upper  
43 100  
74 25.2 19.0 28.6

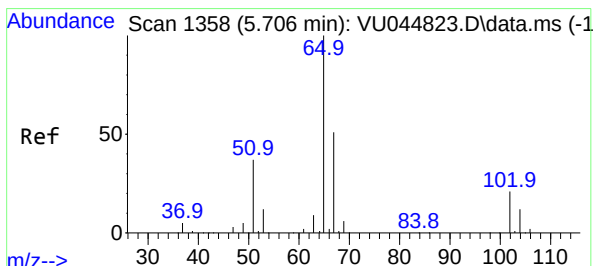
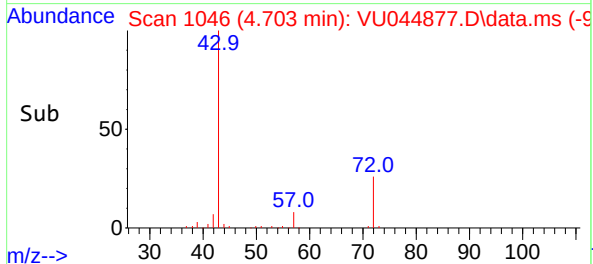
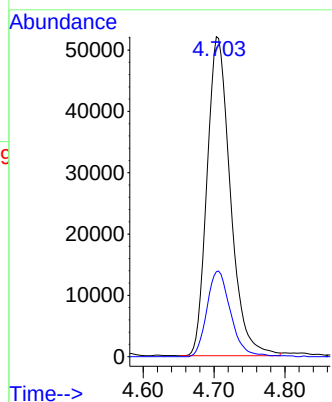
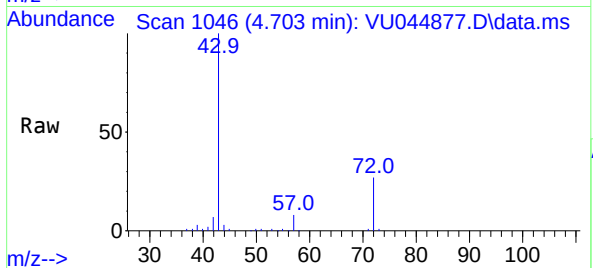




#25  
2-Butanone  
Concen: 36.666 ug/l  
RT: 4.703 min Scan# 1046  
Delta R.T. -0.006 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

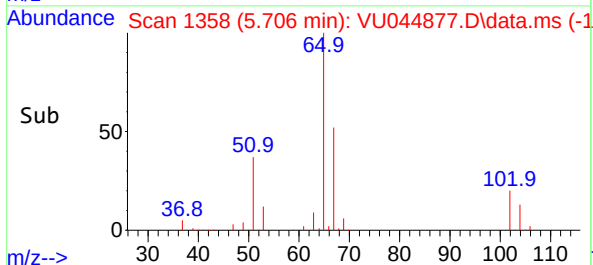
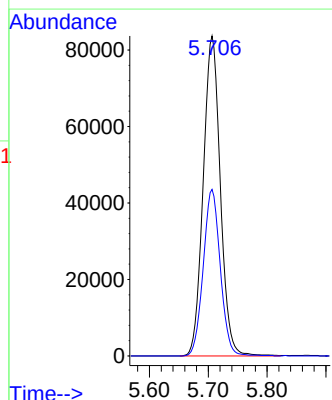
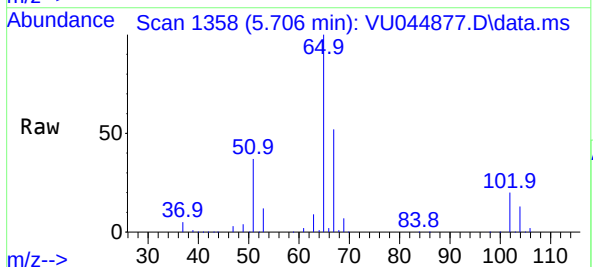
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MSVOA\_U  
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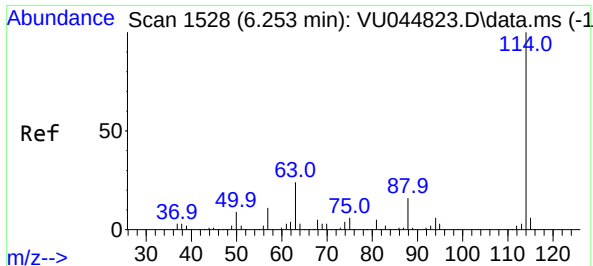
Tgt Ion: 43 Resp: 118927  
Ion Ratio Lower Upper  
43 100  
72 26.6 21.3 31.9



#33  
1,2-Dichloroethane-d4  
Concen: 44.661 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 65 Resp: 169253  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.8

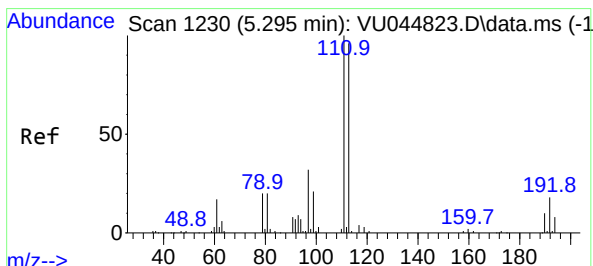
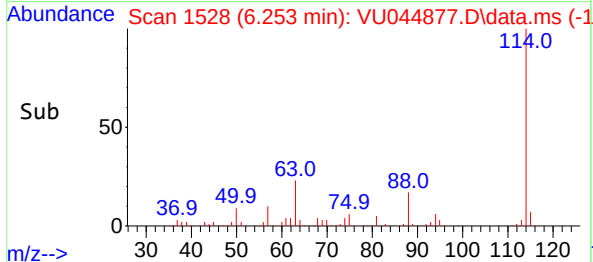
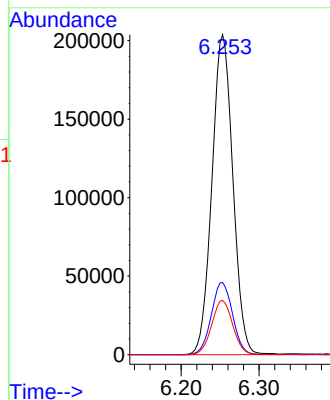
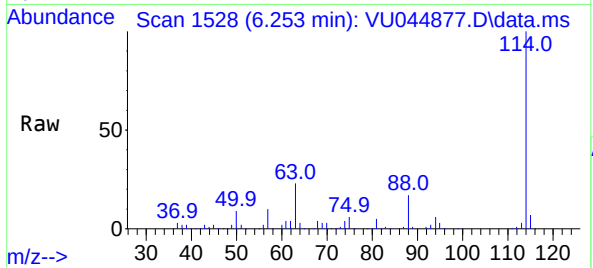




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 1528  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

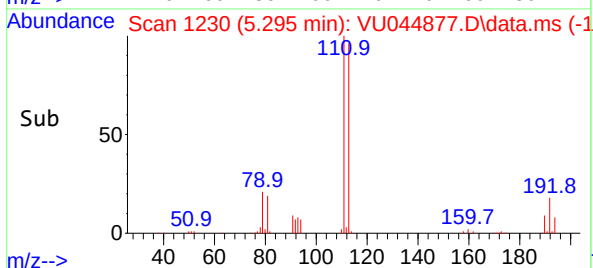
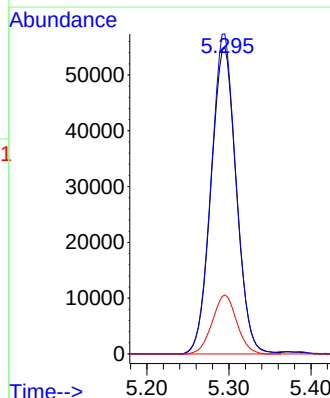
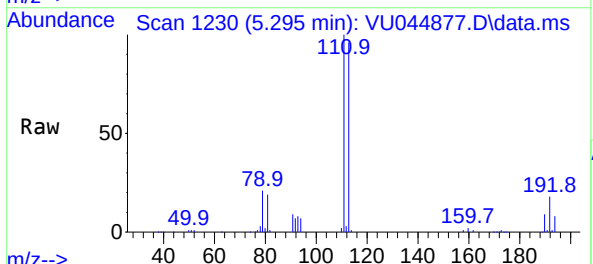
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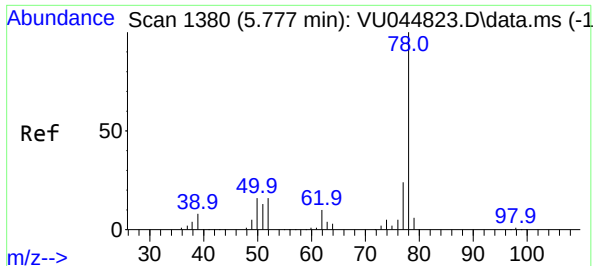
Tgt Ion:114 Resp: 380391  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 47.8  
88 17.0 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 45.091 ug/l  
RT: 5.295 min Scan# 1230  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion:113 Resp: 117666  
Ion Ratio Lower Upper  
113 100  
111 103.0 84.1 126.1  
192 18.7 14.8 22.2

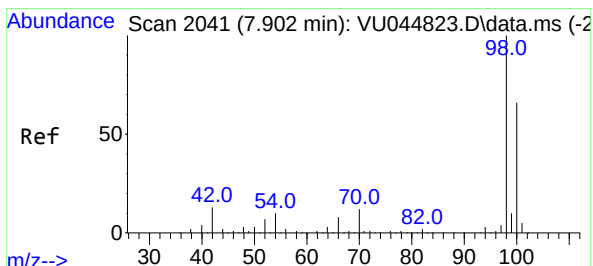
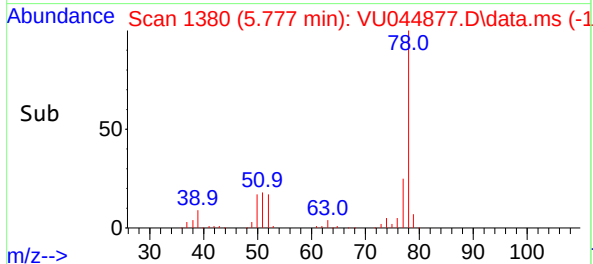
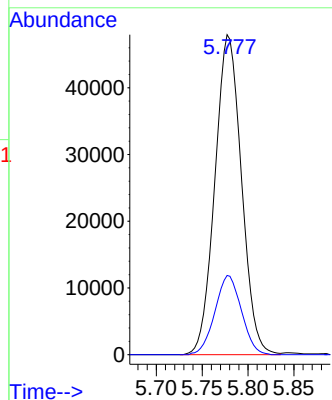
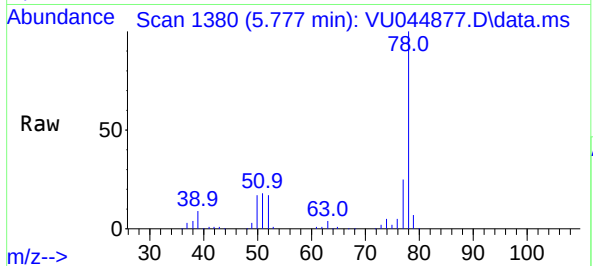




#40  
Benzene  
Concen: 7.850 ug/l  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

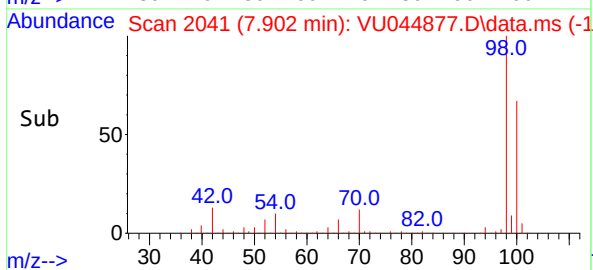
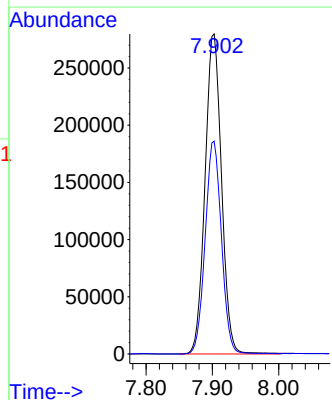
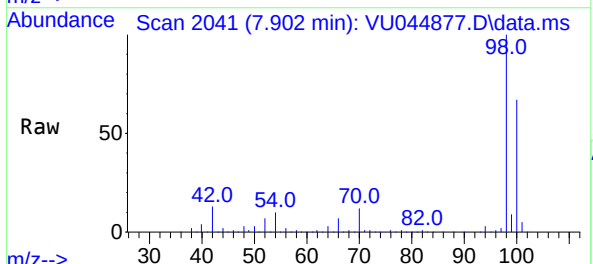
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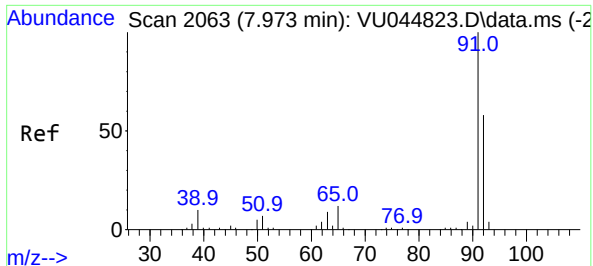
Tgt Ion: 78 Resp: 96593  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.1 28.7



#50  
Toluene-d8  
Concen: 48.980 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 98 Resp: 482727  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7

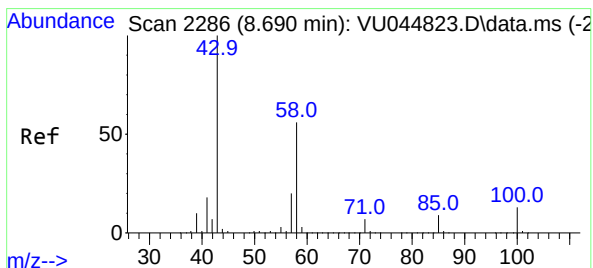
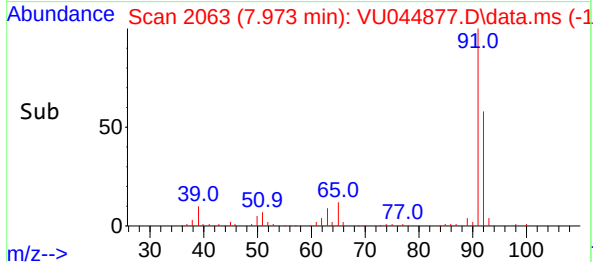
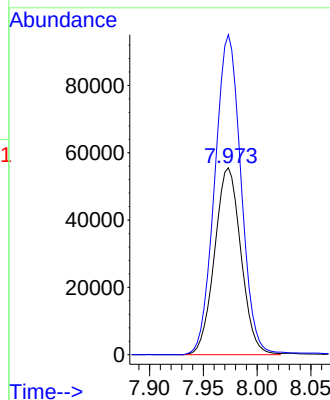
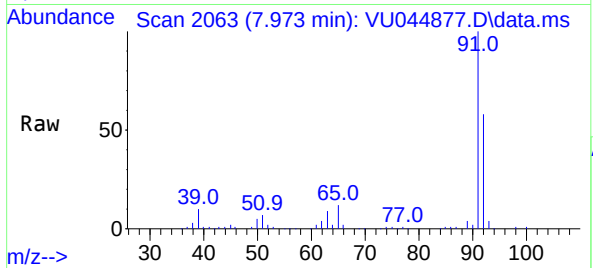




#52  
Toluene  
Concen: 12.875 ug/l  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

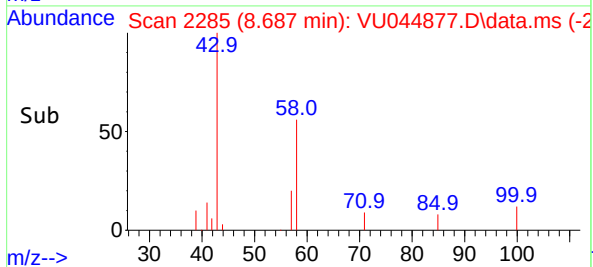
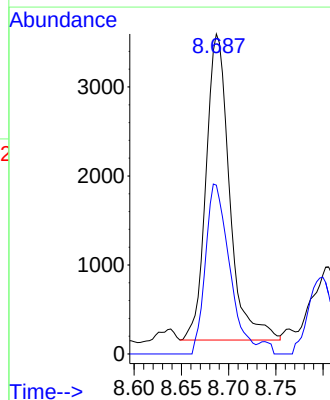
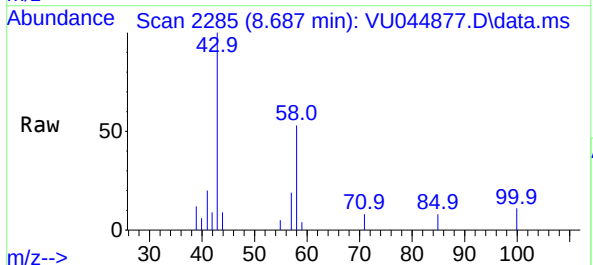
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Tgt Ion: 92 Resp: 94719  
Ion Ratio Lower Upper  
92 100  
91 171.3 136.9 205.3

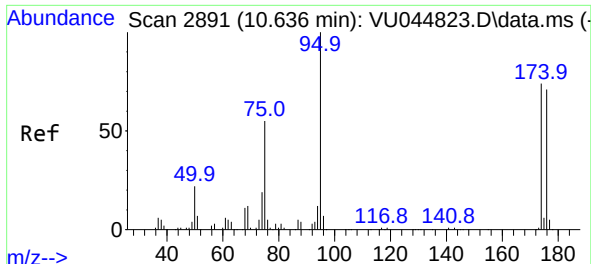


#59  
2-Hexanone  
Concen: 1.258 ug/l  
RT: 8.687 min Scan# 2285  
Delta R.T. -0.003 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 43 Resp: 5962  
Ion Ratio Lower Upper  
43 100  
58 56.2 28.0 84.0



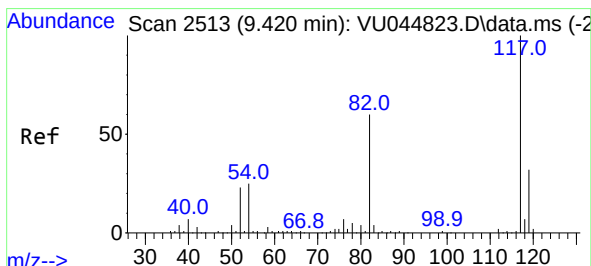
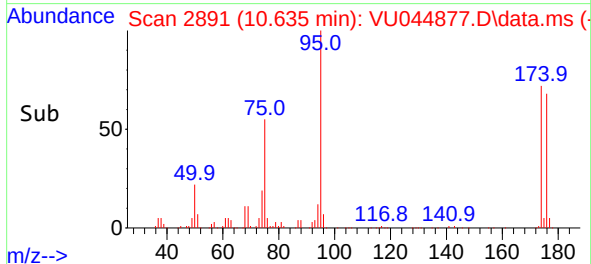
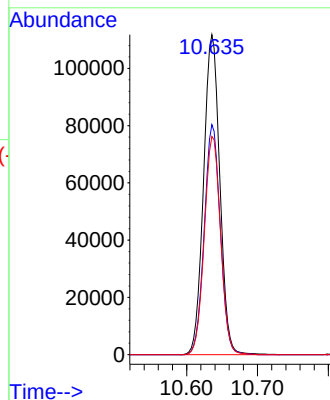
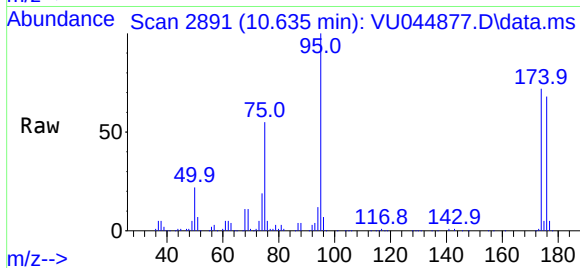




#62  
4-Bromofluorobenzene  
Concen: 48.601 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

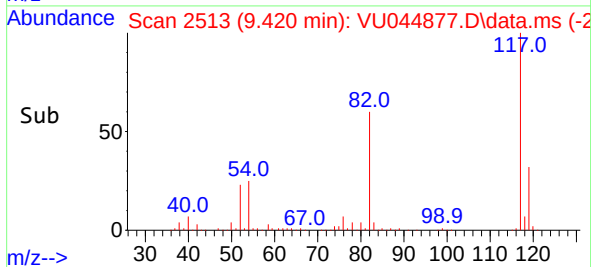
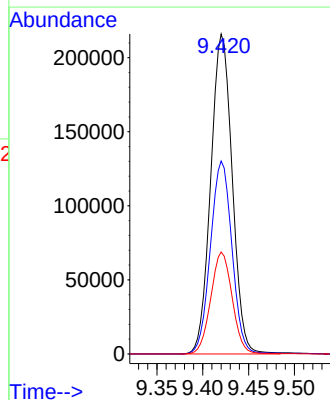
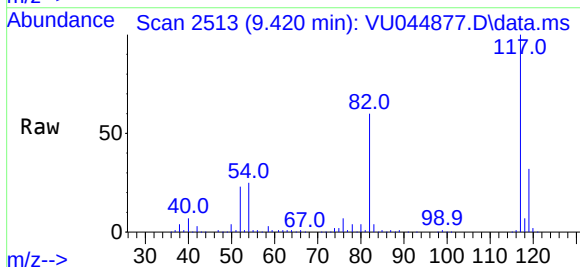
Instrument :  
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ClientSampleId :  
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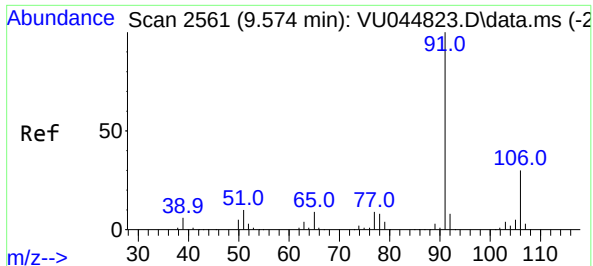
Tgt Ion: 95 Resp: 177911  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 146.6  
176 68.1 0.0 141.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 117 Resp: 351757  
Ion Ratio Lower Upper  
117 100  
82 60.3 47.8 71.8  
119 31.8 25.8 38.6

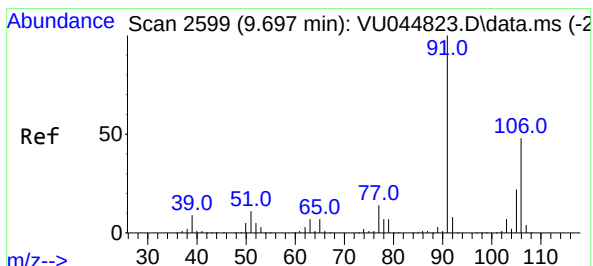
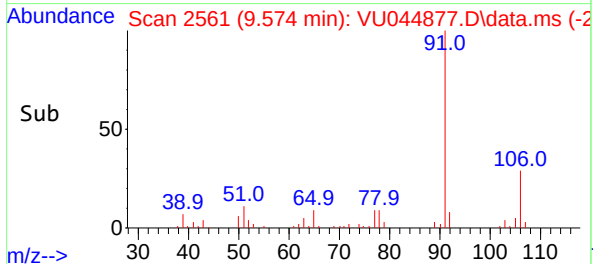
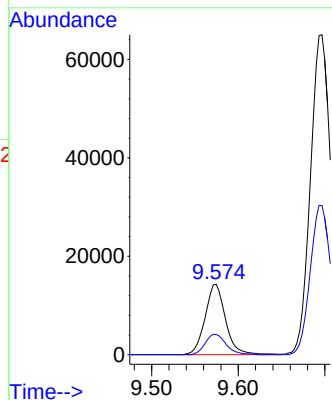
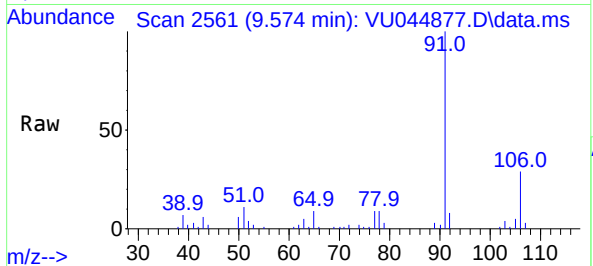




#67  
Ethyl Benzene  
Concen: 1.801 ug/l  
RT: 9.574 min Scan# 2561  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

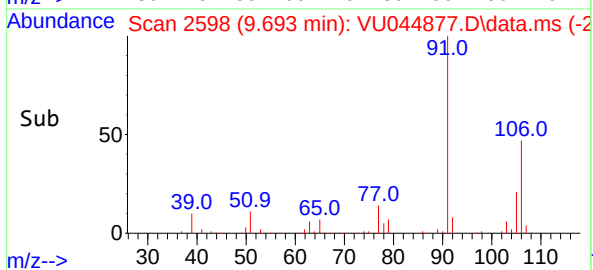
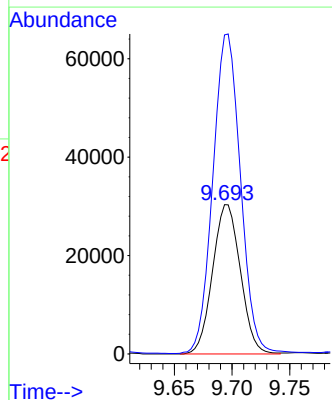
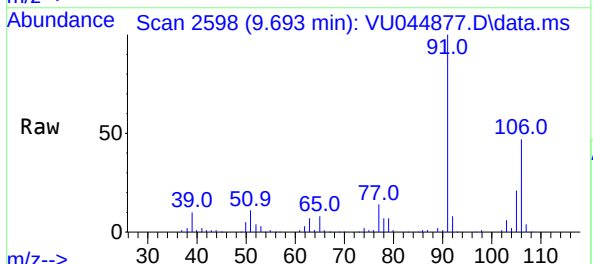
Instrument :  
MSVOA\_U  
ClientSampleId :  
20898

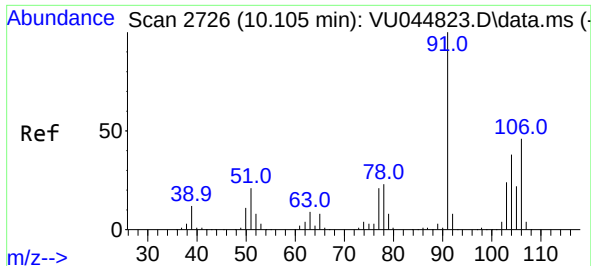
Tgt Ion: 91 Resp: 23470  
Ion Ratio Lower Upper  
91 100  
106 28.7 24.3 36.5



#68  
m/p-Xylenes  
Concen: 10.187 ug/l  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.003 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion:106 Resp: 50782  
Ion Ratio Lower Upper  
106 100  
91 212.7 164.2 246.2

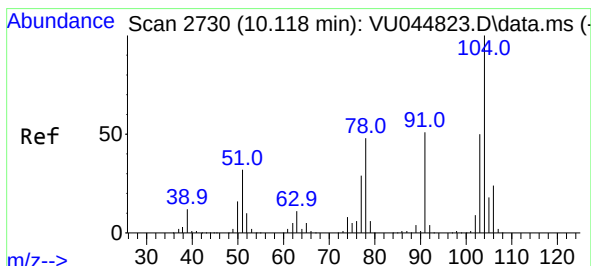
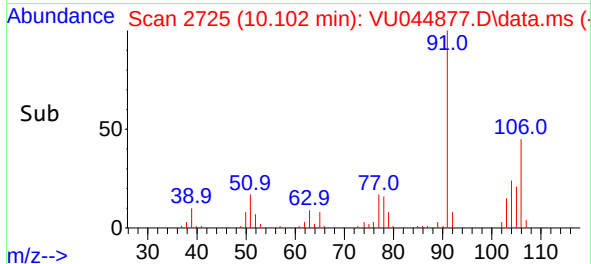
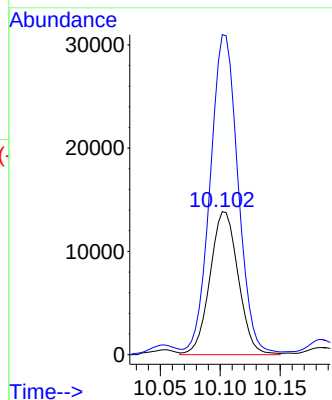
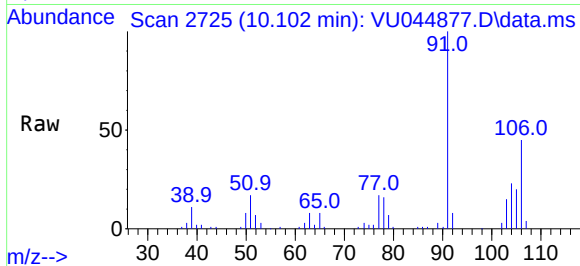




#69  
o-Xylene  
Concen: 4.703 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.003 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

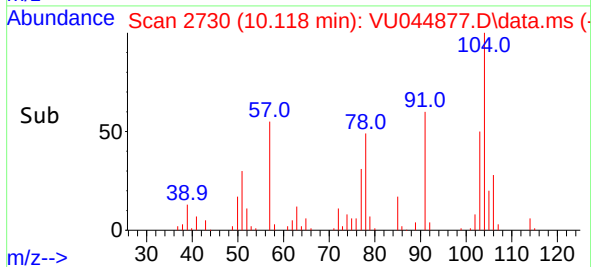
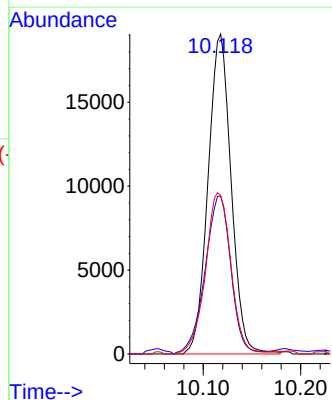
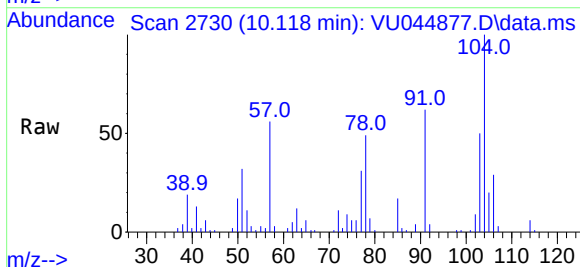
Instrument :  
MSVOA\_U  
ClientSampleId :  
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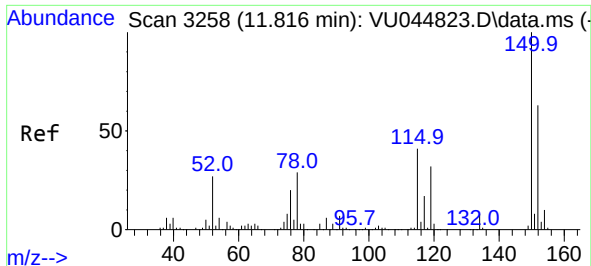
Tgt Ion:106 Resp: 22669  
Ion Ratio Lower Upper  
106 100  
91 222.0 108.9 326.7



#70  
Styrene  
Concen: 4.422 ug/l  
RT: 10.118 min Scan# 2730  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion:104 Resp: 31367  
Ion Ratio Lower Upper  
104 100  
78 55.2 41.4 62.0  
103 55.5 43.5 65.3

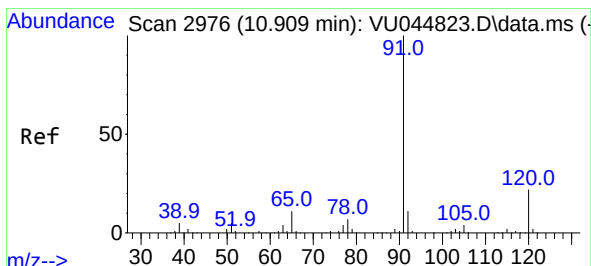
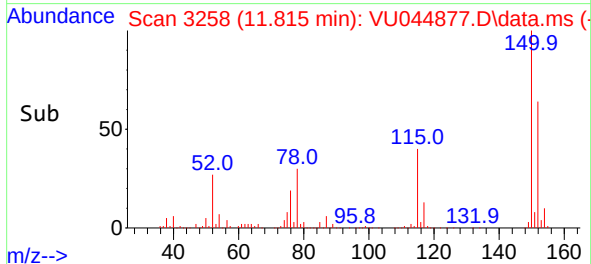
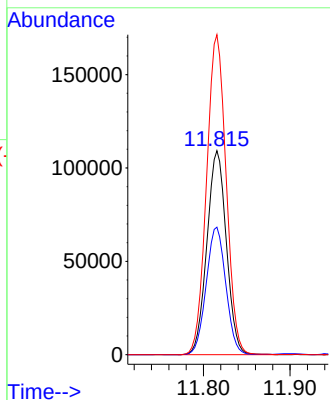
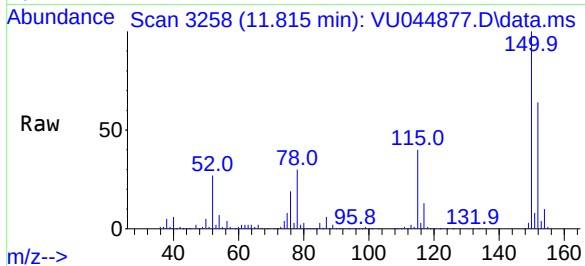




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.815 min Scan# 3258  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

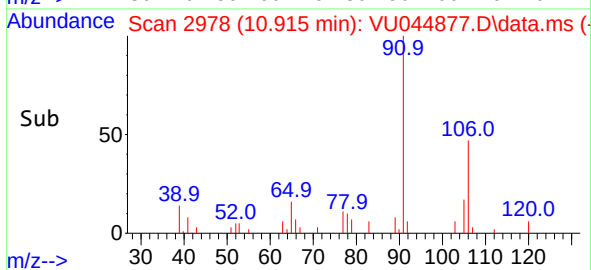
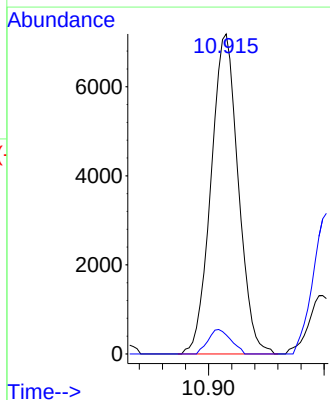
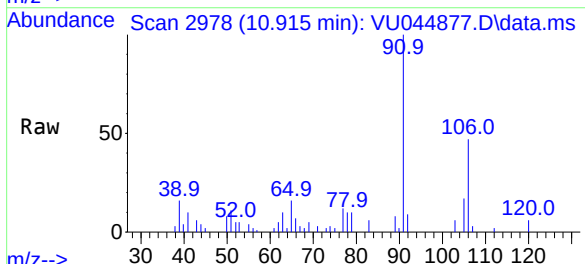
Instrument :  
MSVOA\_U  
ClientSampled :  
20898

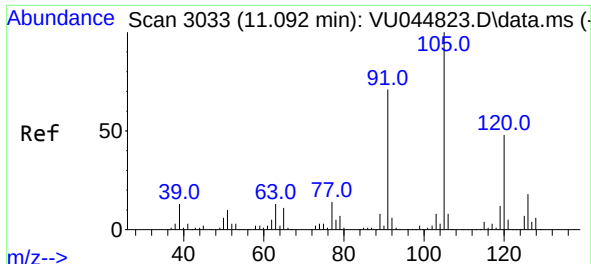
Tgt Ion:152 Resp: 170490  
Ion Ratio Lower Upper  
152 100  
115 63.1 43.5 130.7  
150 157.4 0.0 350.0



#78  
n-propylbenzene  
Concen: 0.804 ug/l  
RT: 10.915 min Scan# 2978  
Delta R.T. 0.006 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion: 91 Resp: 11793  
Ion Ratio Lower Upper  
91 100  
120 6.4 10.8 32.4#

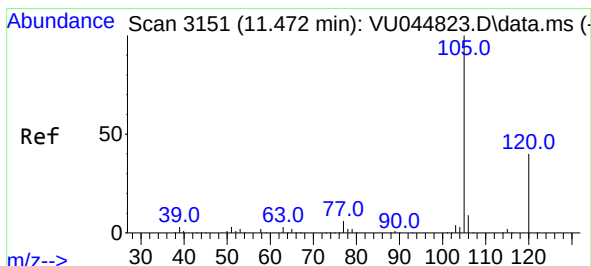
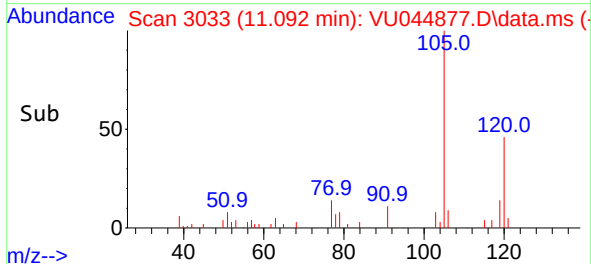
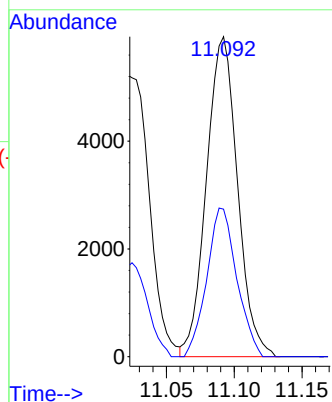
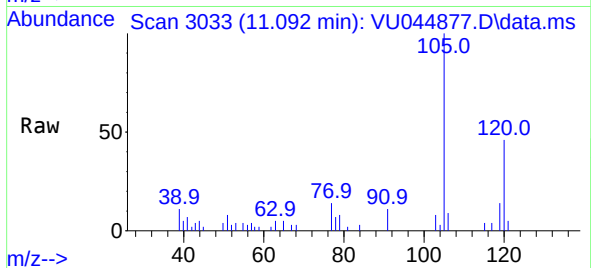




#80  
1,3,5-Trimethylbenzene  
Concen: 0.923 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

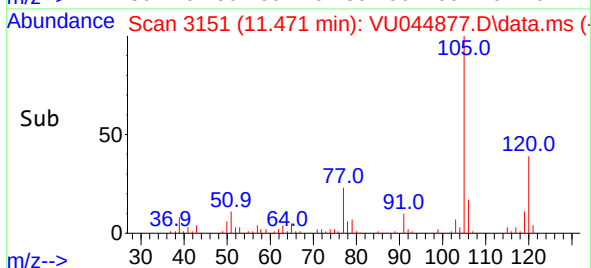
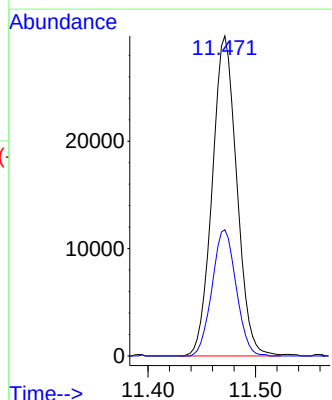
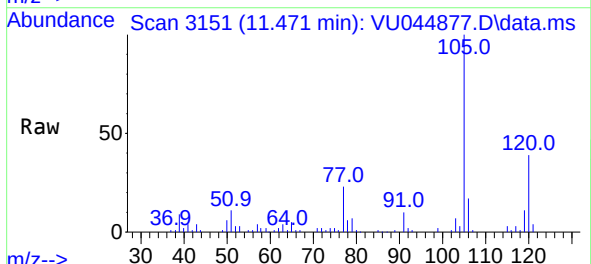
Instrument :  
MSVOA\_U  
ClientSampled :  
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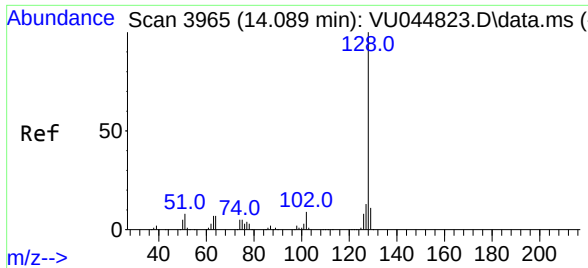
Tgt Ion:105 Resp: 9461  
Ion Ratio Lower Upper  
105 100  
120 44.8 24.1 72.2



#84  
1,2,4-Trimethylbenzene  
Concen: 4.677 ug/l  
RT: 11.471 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Tgt Ion:105 Resp: 47266  
Ion Ratio Lower Upper  
105 100  
120 38.7 22.4 67.3





#95  
Naphthalene  
Concen: 41.345 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. -0.000 min  
Lab File: VU044877.D  
Acq: 26 Sep 2021 07:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
20898

Tgt Ion:128 Resp: 538477

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.4  | 15.6  |
| 129 | 10.9  | 8.6   | 13.0  |

