

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091621\  
 Data File : VY006043.D  
 Acq On : 16 Sep 2021 13:24  
 Operator : SY/MD  
 Sample : M3733-04RE  
 Misc : 7.29G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SUP-UST-02-(7-10)RE

Quant Time: Sep 17 02:44:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 121298   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 205533   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 196539   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 196626   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |            |
|-----------------------------|--------|-------|----------|----------|------|------------|
| System Monitoring Compounds |        |       |          |          |      |            |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 75000    | 44.513   | ug/l | 0.00       |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.020%    |
| 35) Dibromofluoromethane    | 7.728  | 113   | 57584    | 45.107   | ug/l | 0.00       |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.220%    |
| 50) Toluene-d8              | 10.185 | 98    | 351645   | 64.630   | ug/l | 0.00       |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 129.260%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 935257   | 506.287  | ug/l | 0.00       |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 1012.580%# |

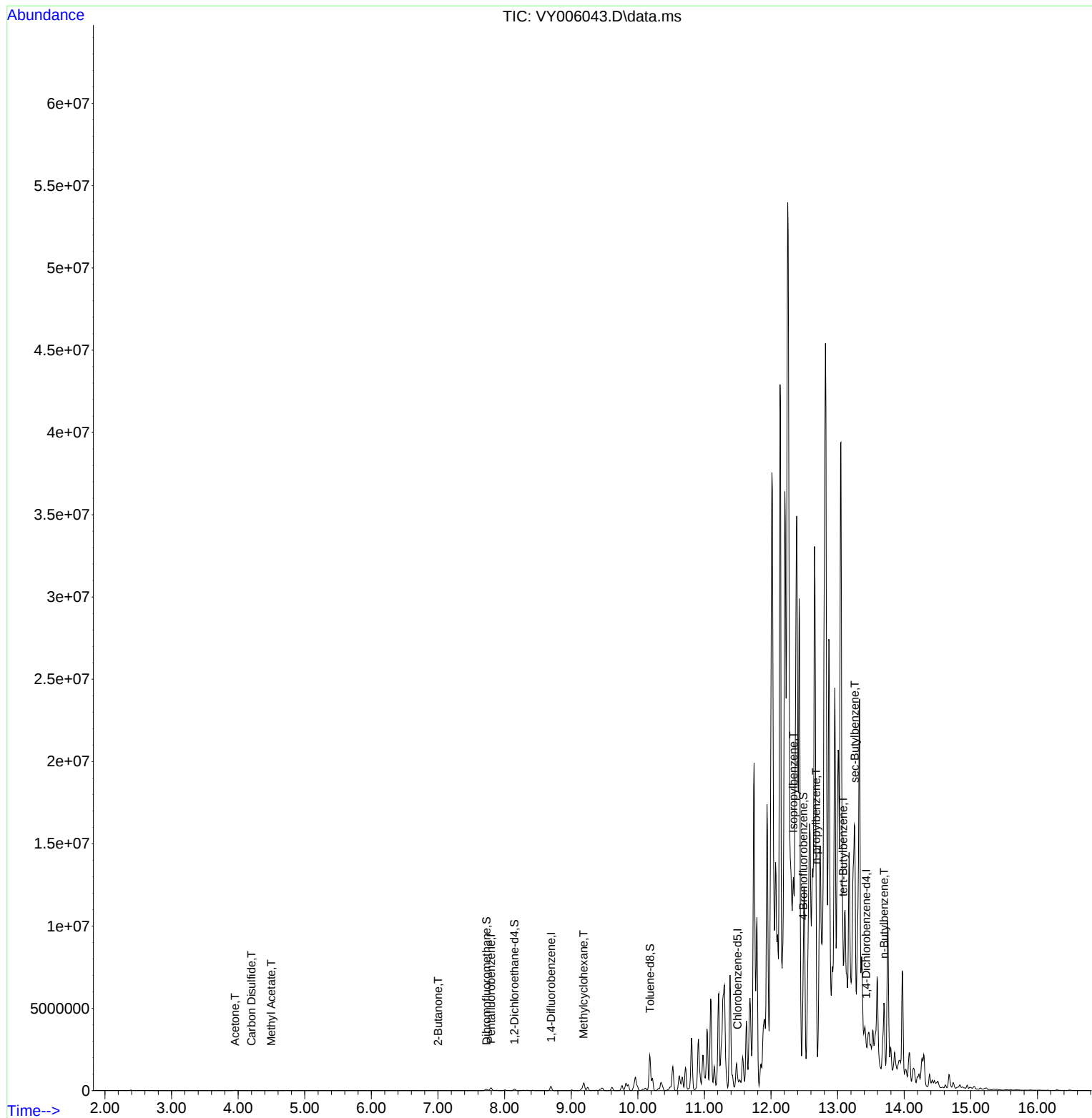
| Target Compounds      |        |     |         |         |        | Qvalue |
|-----------------------|--------|-----|---------|---------|--------|--------|
| 16) Acetone           | 3.954  | 43  | 41595   | 90.007  | ug/l   | 91     |
| 17) Carbon Disulfide  | 4.198  | 76  | 9951    | 2.460   | ug/l   | 95     |
| 18) Methyl Acetate    | 4.497  | 43  | 2576    | 2.213   | ug/l   | 97     |
| 25) 2-Butanone        | 7.003  | 43  | 8242    | 12.940  | ug/l   | 97     |
| 39) Methylcyclohexane | 9.185  | 83  | 148239  | 53.914  | ug/l   | 96     |
| 73) Isopropylbenzene  | 12.337 | 105 | 761259  | 49.441  | ug/l   | 98     |
| 78) n-propylbenzene   | 12.678 | 91  | 3521114 | 184.831 | ug/l   | 97     |
| 83) tert-Butylbenzene | 13.081 | 119 | 663138  | 60.718  | ug/l   | 88     |
| 85) sec-Butylbenzene  | 13.257 | 105 | 4218756 | 258.036 | ug/l # | 62     |
| 89) n-Butylbenzene    | 13.696 | 91  | 2014948 | 154.371 | ug/l   | 93     |

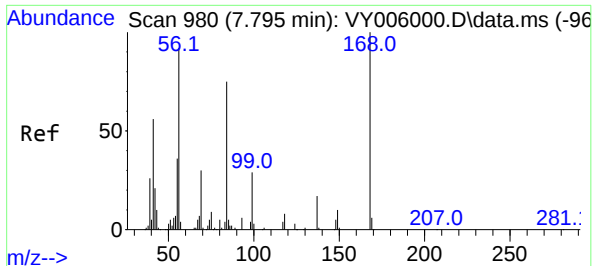
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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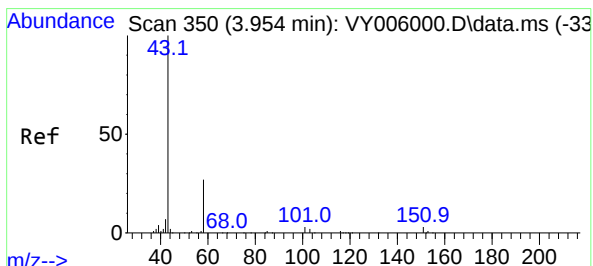
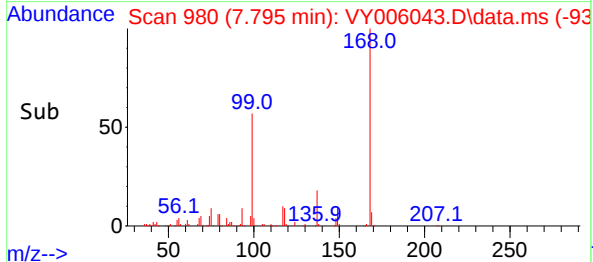
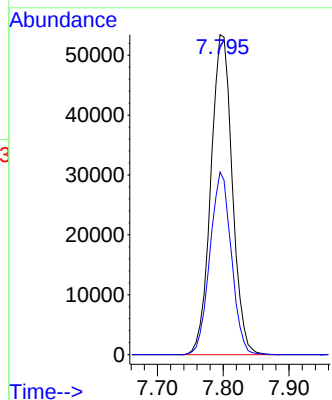
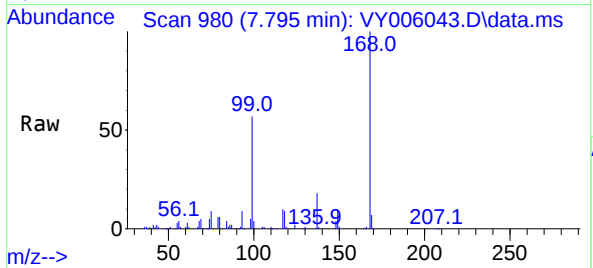




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

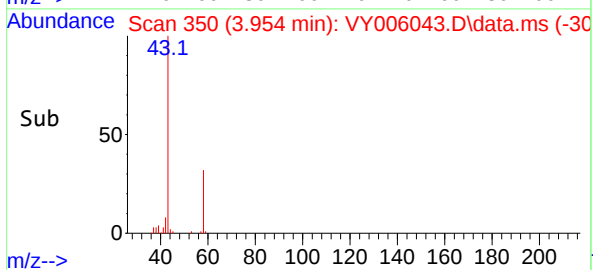
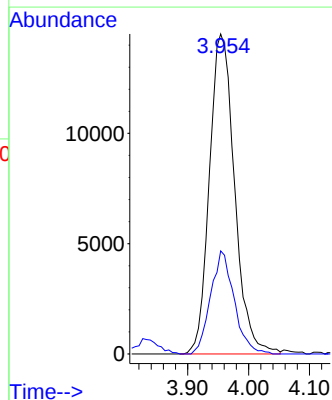
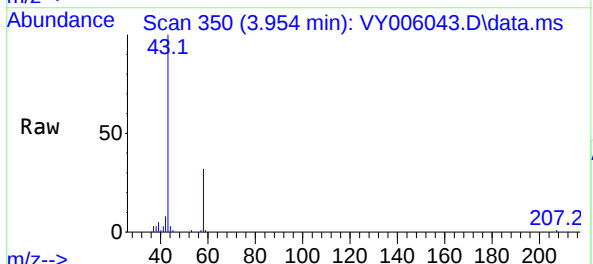
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SUP-UST-02-(7-10)RE

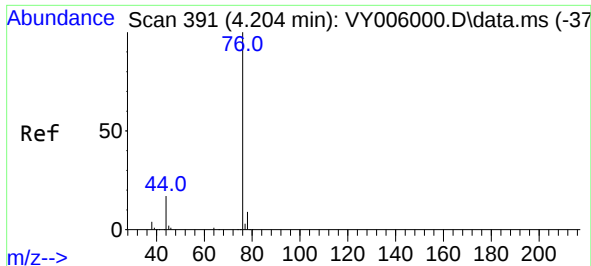
Tgt Ion:168 Resp: 121298  
Ion Ratio Lower Upper  
168 100  
99 57.1 46.9 70.3



#16  
Acetone  
Concen: 90.007 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion: 43 Resp: 41595  
Ion Ratio Lower Upper  
43 100  
58 32.2 22.0 33.0

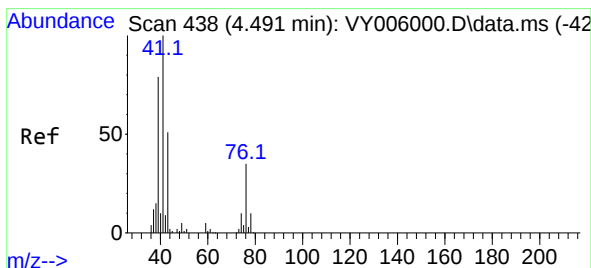
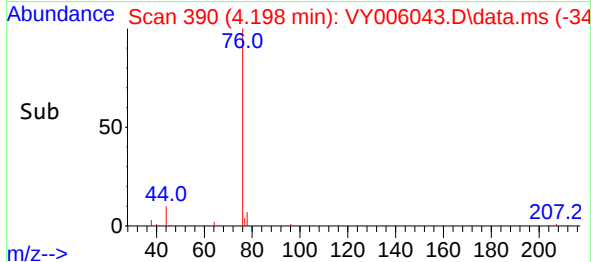
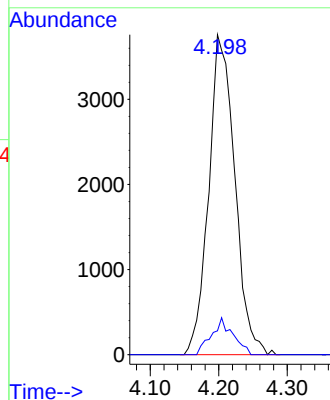
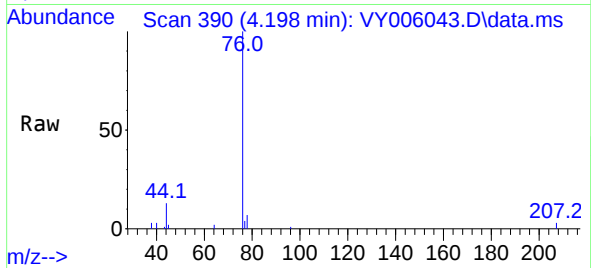




#17  
Carbon Disulfide  
Concen: 2.460 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

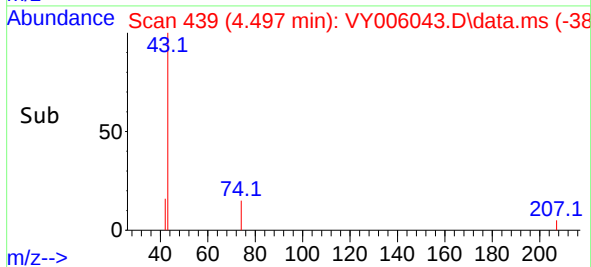
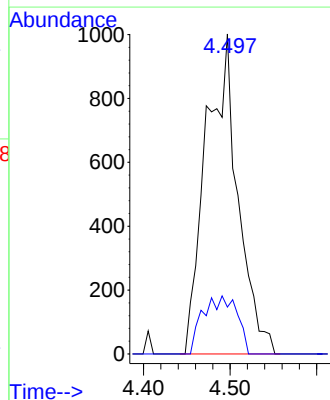
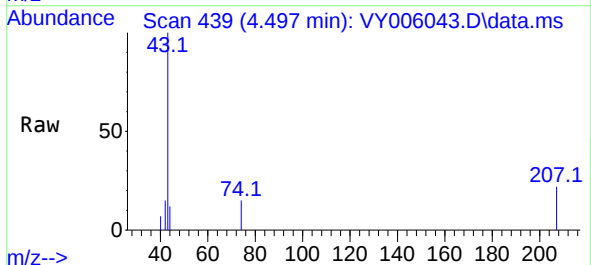
Instrument :  
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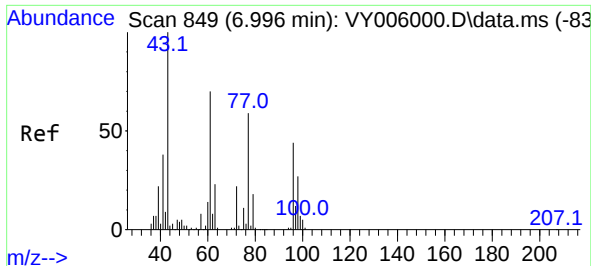
Tgt Ion: 76 Resp: 9951  
Ion Ratio Lower Upper  
76 100  
78 7.4 7.4 11.0



#18  
Methyl Acetate  
Concen: 2.213 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion: 43 Resp: 2576  
Ion Ratio Lower Upper  
43 100  
74 19.3 16.6 24.8

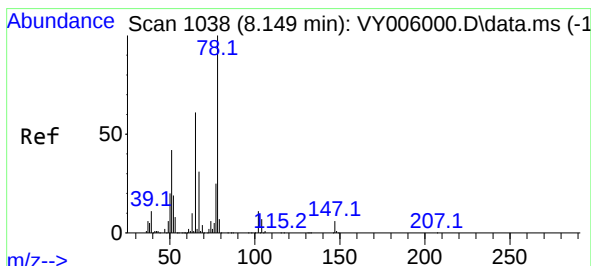
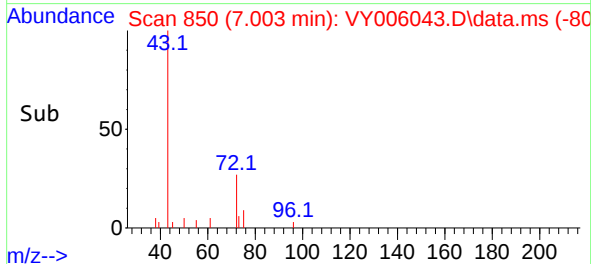
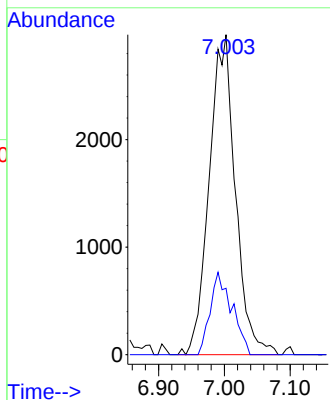
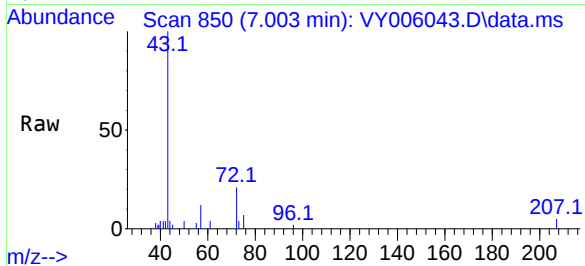




#25  
2-Butanone  
Concen: 12.940 ug/l  
RT: 7.003 min Scan# 850  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

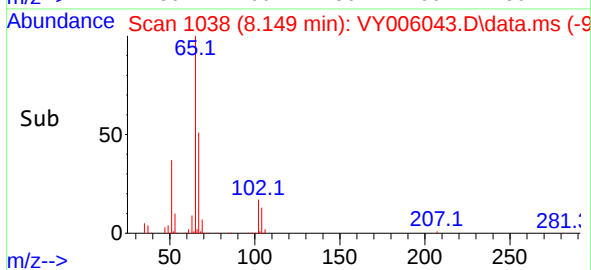
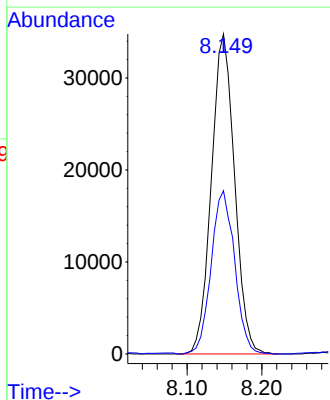
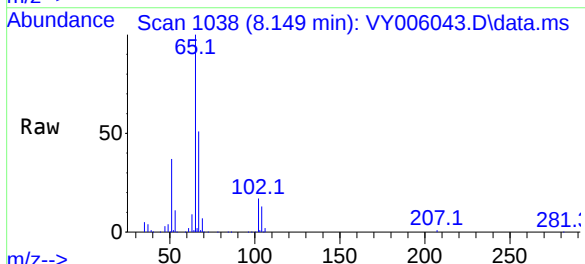
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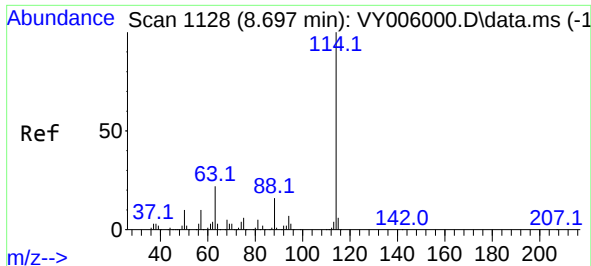
Tgt Ion: 43 Resp: 8242  
Ion Ratio Lower Upper  
43 100  
72 20.8 17.7 26.5



#33  
1,2-Dichloroethane-d4  
Concen: 44.513 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

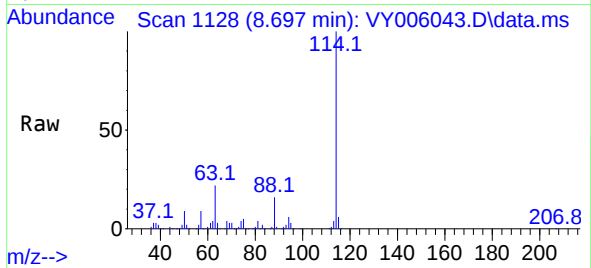
Tgt Ion: 65 Resp: 75000  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 99.4





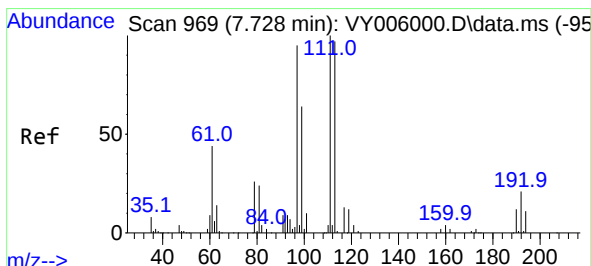
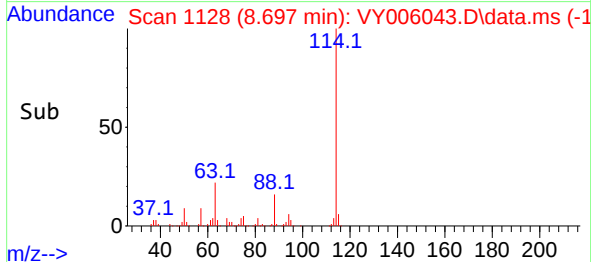
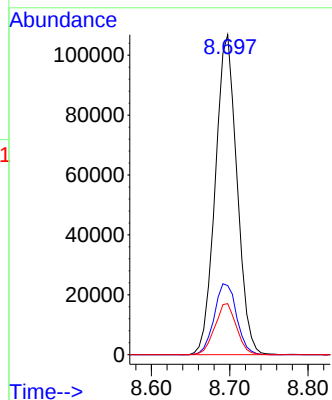
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SUP-UST-02-(7-10)RE



Tgt Ion:114 Resp: 205533

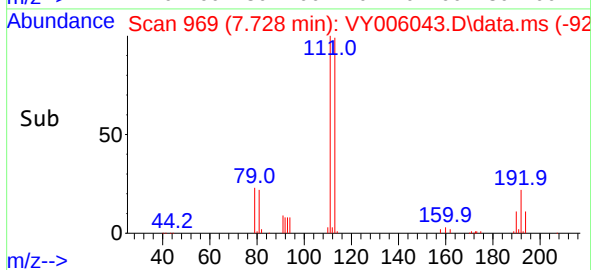
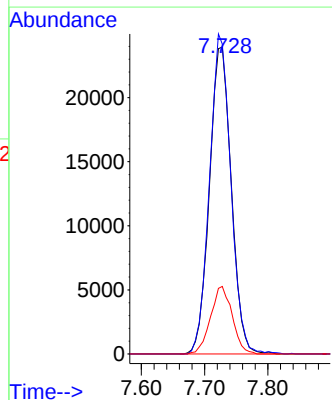
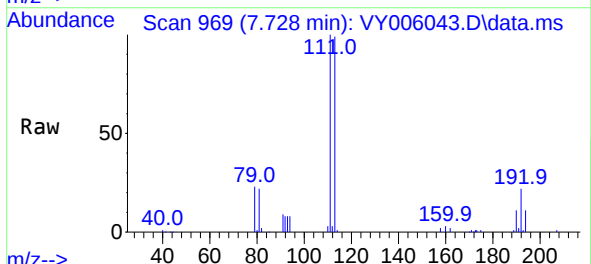
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.6  | 0.0   | 43.2  |
| 88  | 16.0  | 0.0   | 31.8  |

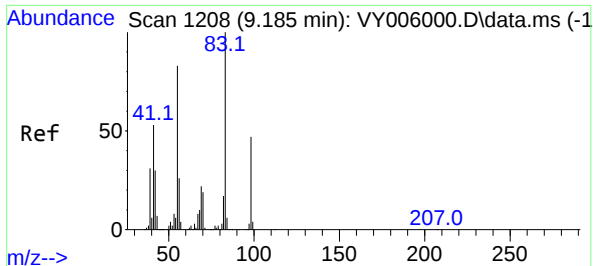


#35  
Dibromofluoromethane  
Concen: 45.107 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion:113 Resp: 57584

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.7 | 82.6  | 124.0 |
| 192 | 21.8  | 17.6  | 26.4  |

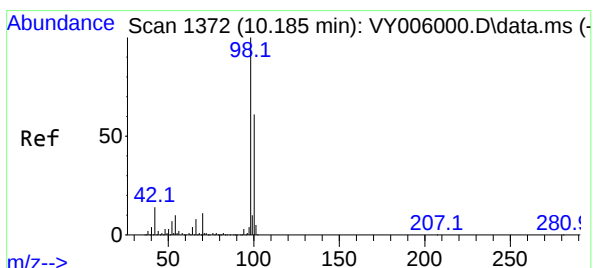
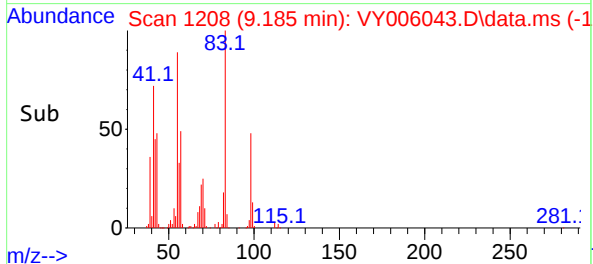
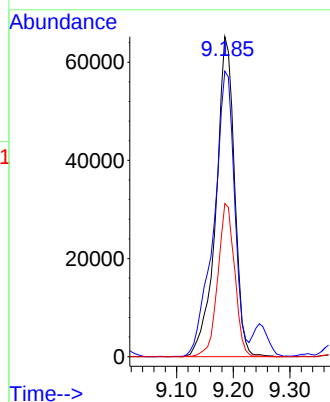
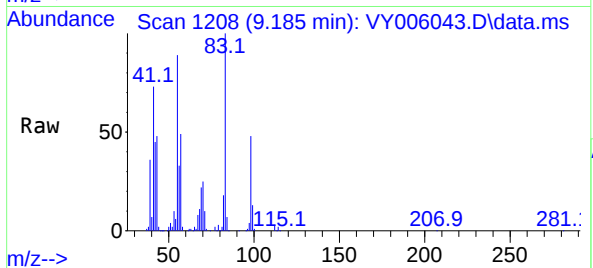




#39  
Methylcyclohexane  
Concen: 53.914 ug/l  
RT: 9.185 min Scan# 1208  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

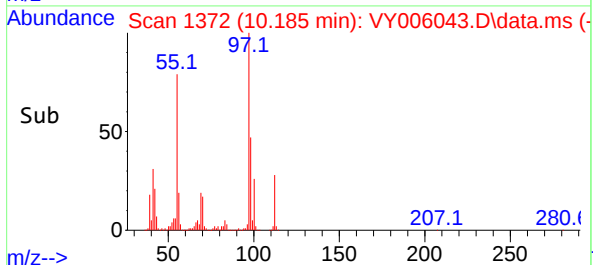
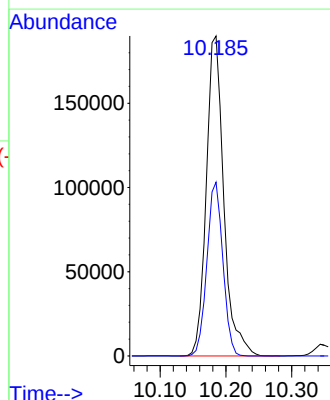
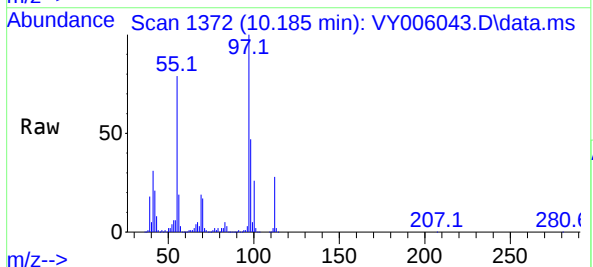
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ClientSampleId :  
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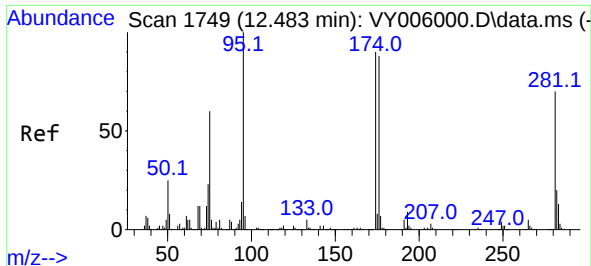
Tgt Ion: 83 Resp: 148239  
Ion Ratio Lower Upper  
83 100  
55 89.1 66.5 99.7  
98 47.9 37.9 56.9



#50  
Toluene-d8  
Concen: 64.630 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion: 98 Resp: 351645  
Ion Ratio Lower Upper  
98 100  
100 49.4 50.2 75.2#

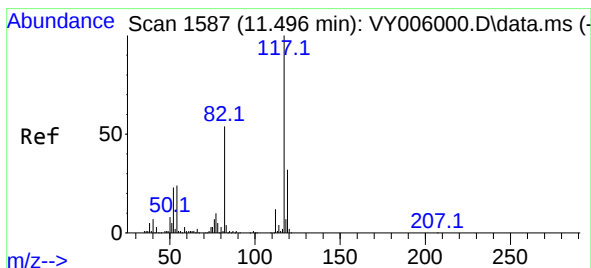
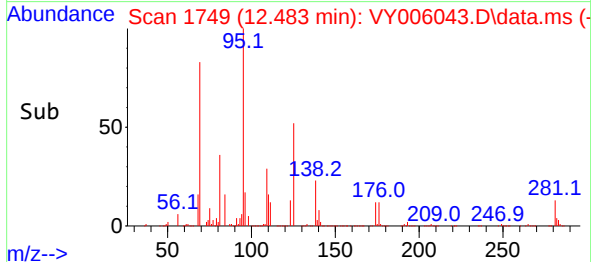
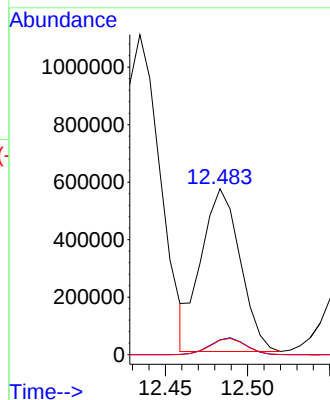
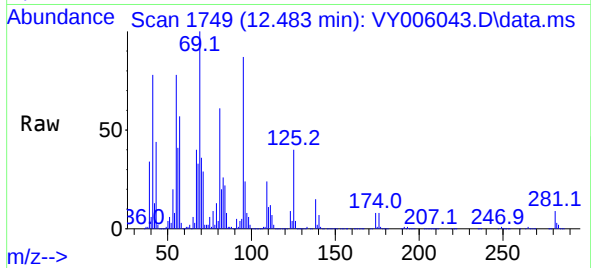




#62  
4-Bromofluorobenzene  
Concen: 506.287 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

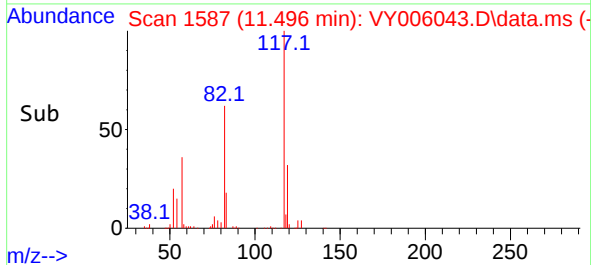
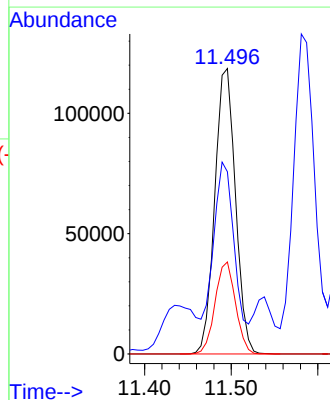
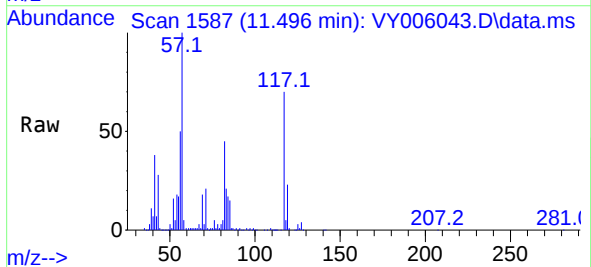
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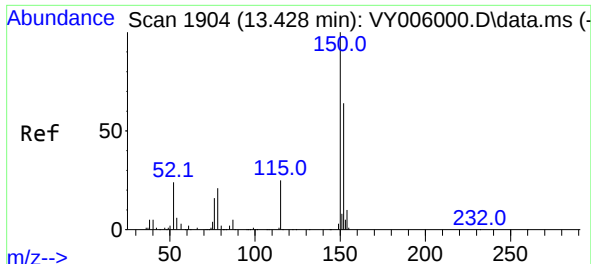
Tgt Ion: 95 Resp: 935257  
Ion Ratio Lower Upper  
95 100  
174 9.5 0.0 177.0  
176 9.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion:117 Resp: 196539  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.4  
119 32.2 25.4 38.0

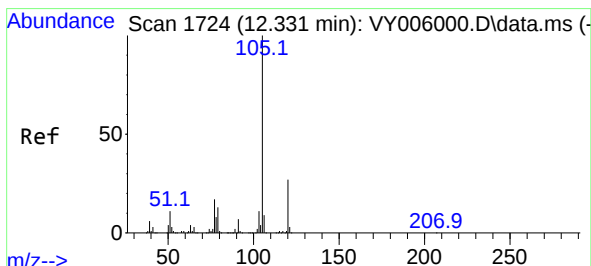
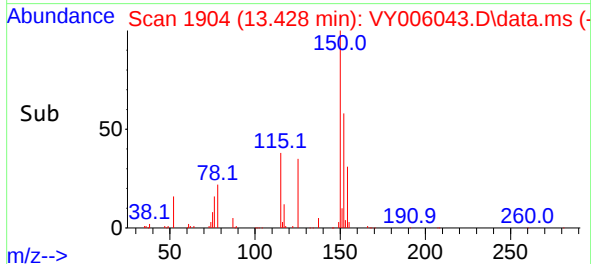
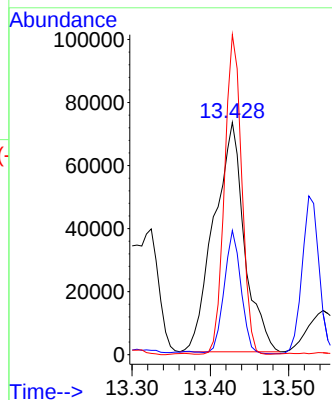
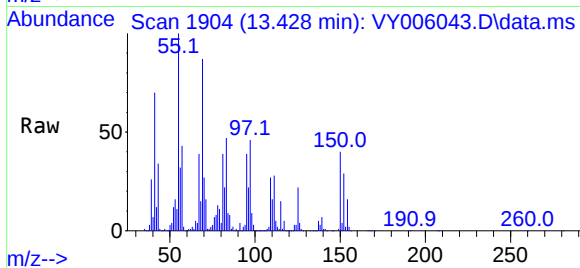




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

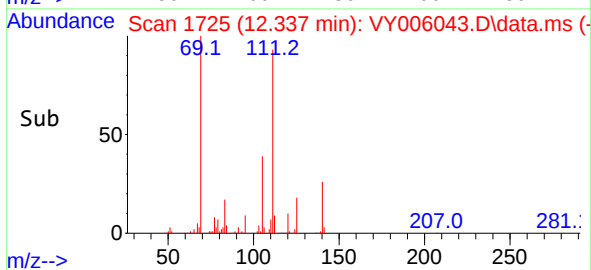
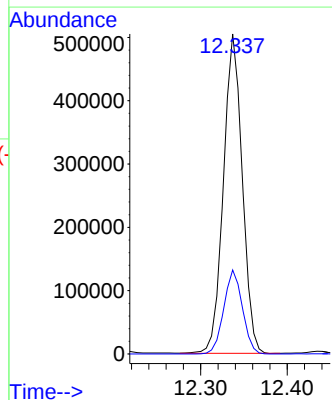
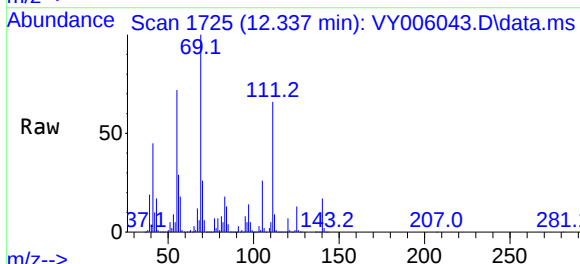
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SUP-UST-02-(7-10)RE

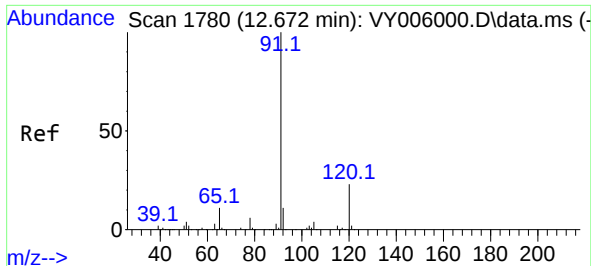
Tgt Ion:152 Resp: 196626  
Ion Ratio Lower Upper  
152 100  
115 29.8 28.2 84.7  
150 78.6 0.0 347.6



#73  
Isopropylbenzene  
Concen: 49.441 ug/l  
RT: 12.337 min Scan# 1725  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion:105 Resp: 761259  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.4 40.2

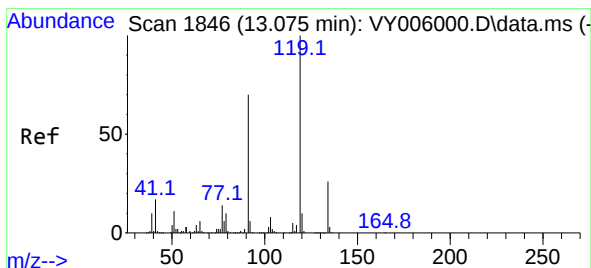
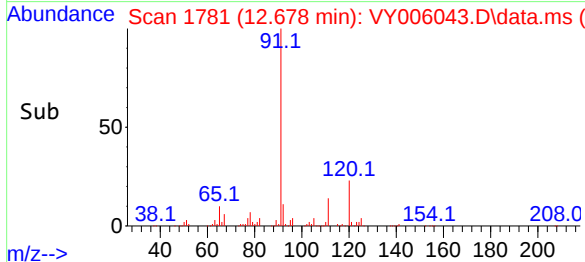
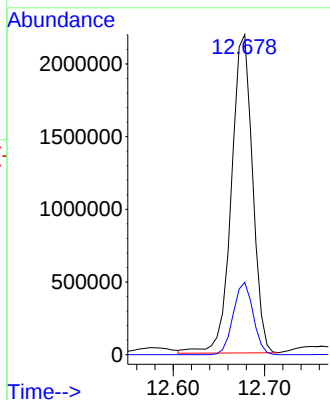
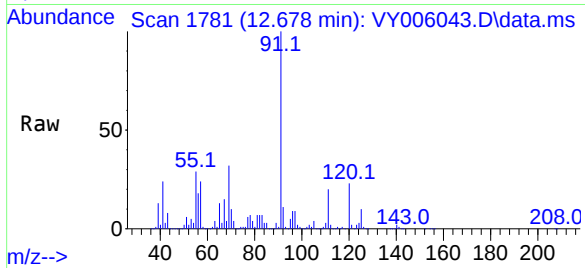




#78  
n-propylbenzene  
Concen: 184.831 ug/l  
RT: 12.678 min Scan# 1781  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

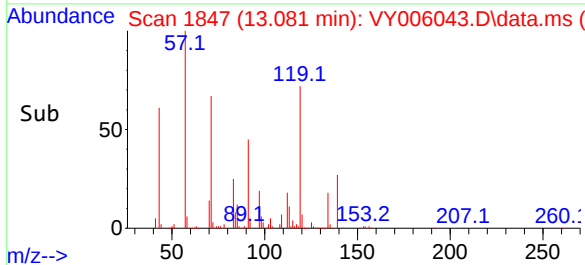
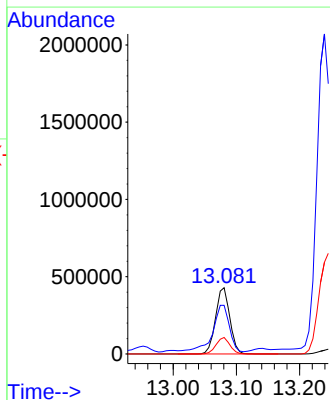
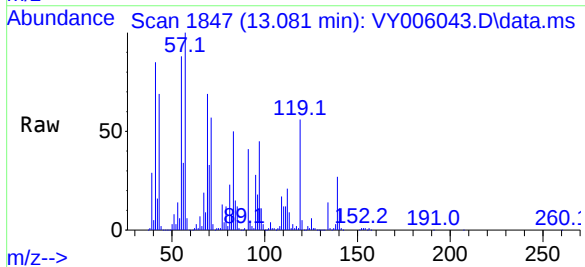
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SUP-UST-02-(7-10)RE

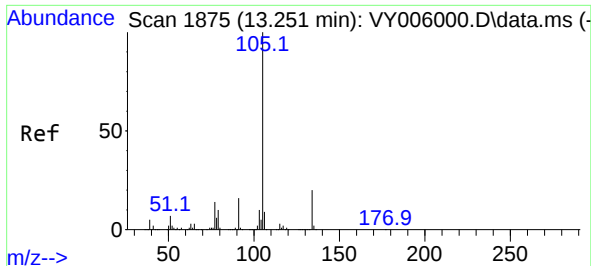
Tgt Ion: 91 Resp: 3521114  
Ion Ratio Lower Upper  
91 100  
120 21.3 11.3 33.9



#83  
tert-Butylbenzene  
Concen: 60.718 ug/l  
RT: 13.081 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion: 119 Resp: 663138  
Ion Ratio Lower Upper  
119 100  
91 82.2 34.8 104.4  
134 24.2 13.3 39.9

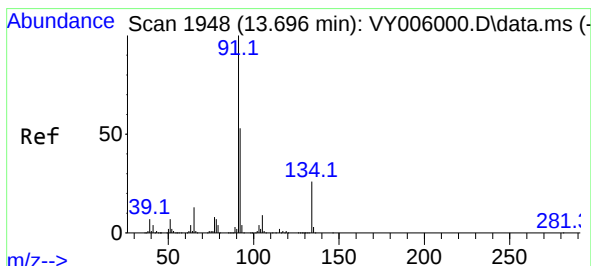
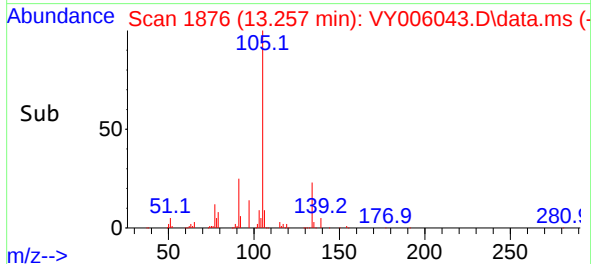
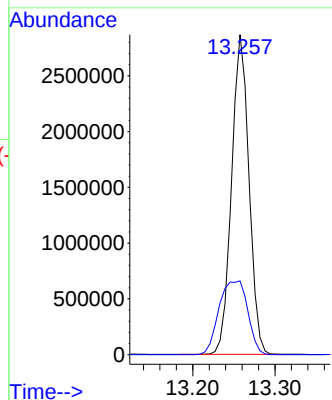
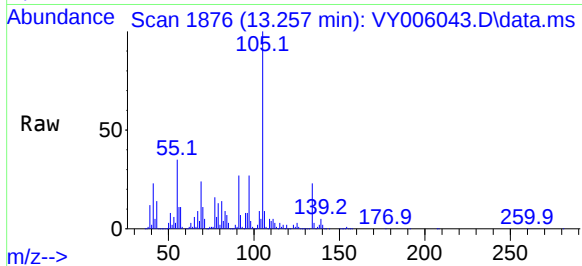




#85  
sec-Butylbenzene  
Concen: 258.036 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SUP-UST-02-(7-10)RE

Tgt Ion:105 Resp: 4218756  
Ion Ratio Lower Upper  
105 100  
134 38.1 10.2 30.4#



#89  
n-Butylbenzene  
Concen: 154.371 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY006043.D  
Acq: 16 Sep 2021 13:24

Tgt Ion: 91 Resp: 2014948  
Ion Ratio Lower Upper  
91 100  
92 50.8 26.3 78.9  
134 34.3 13.0 38.9

