

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092921\  
 Data File : VU044996.D  
 Acq On : 29 Sep 2021 16:28  
 Operator : SY/MD  
 Sample : M3889-02ME  
 Misc : 7.04g/5mL/100uL/5.00mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SUP-UST-03-(8-10)ME

Quant Time: Sep 29 17:32:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

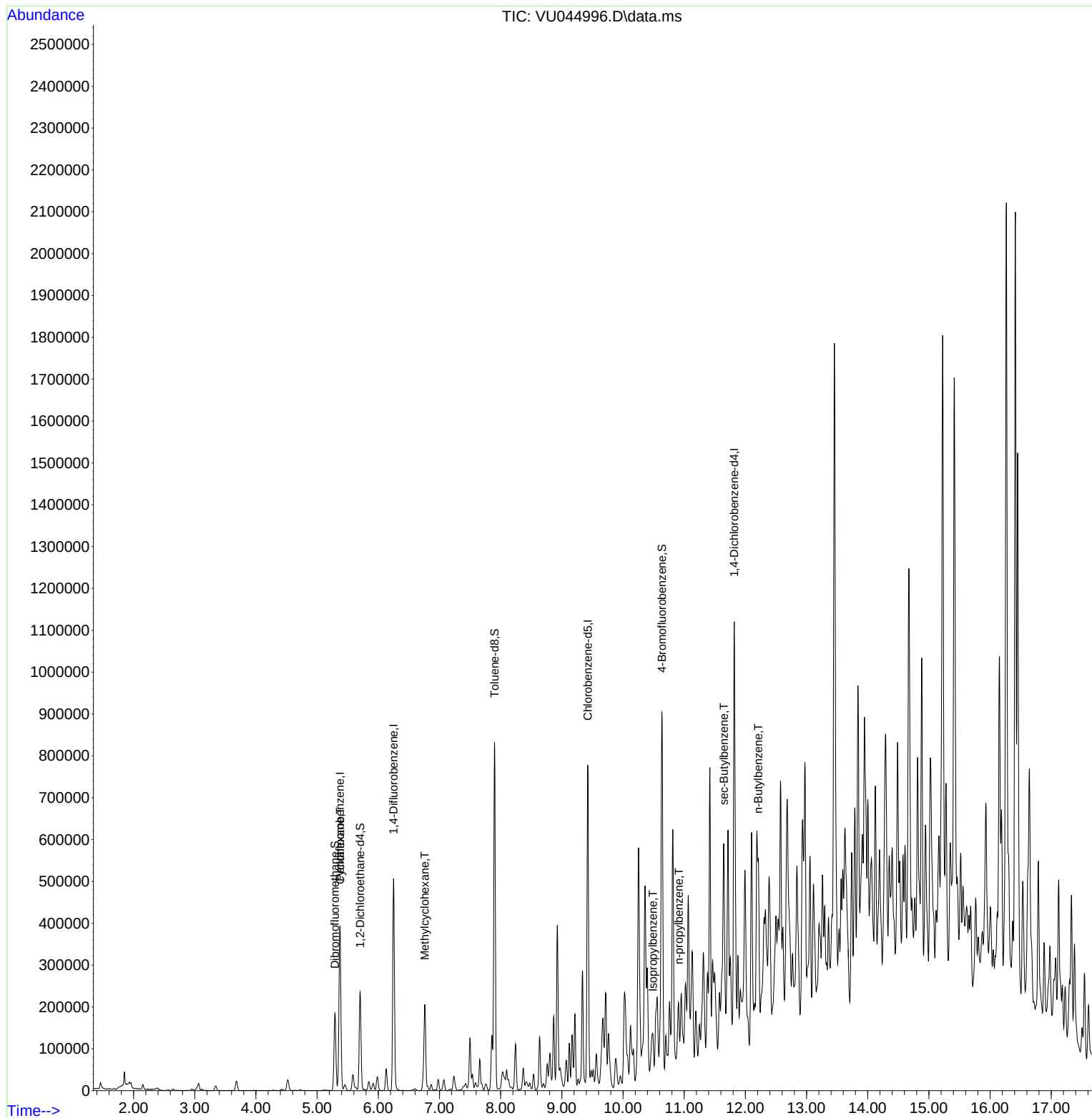
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 5.372          | 168  | 225136     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.250          | 114  | 409612     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.423          | 117  | 415360     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819         | 152  | 216223     | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.703          | 65   | 179777     | 47.97   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 95.94%  |        |          |
| 35) Dibromofluoromethane    | 5.292          | 113  | 122321     | 47.34   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.68%  |        |          |
| 50) Toluene-d8              | 7.899          | 98   | 535582     | 52.46   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 104.92% |        |          |
| 62) 4-Bromofluorobenzene    | 10.639         | 95   | 229911     | 54.54   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 109.08% |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         | Qvalue |          |
| 31) Cyclohexane             | 5.375          | 56   | 32471      | 5.70    | ug/l # | 81       |
| 39) Methylcyclohexane       | 6.761          | 83   | 86137      | 16.38   | ug/l   | 97       |
| 73) Isopropylbenzene        | 10.491         | 105  | 39910      | 2.48    | ug/l   | 100      |
| 78) n-propylbenzene         | 10.912         | 91   | 74520      | 3.80    | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.648         | 105  | 96008      | 5.43    | ug/l   | 99       |
| 89) n-Butylbenzene          | 12.211         | 91   | 120280     | 9.19    | ug/l # | 79       |
| -----                       |                |      |            |         |        |          |

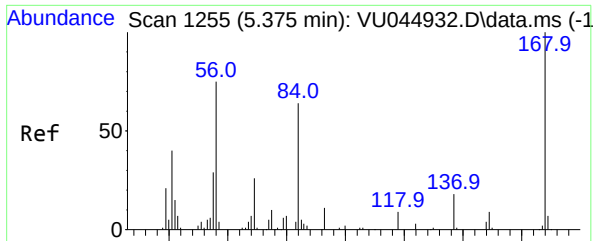
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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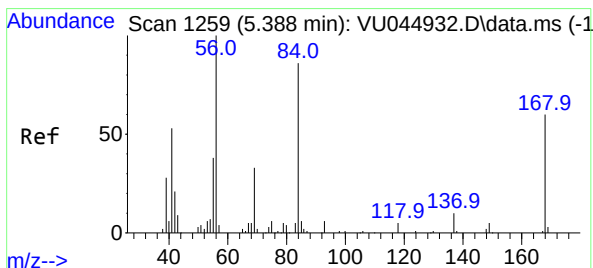
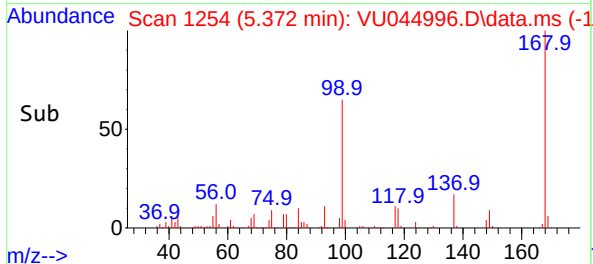
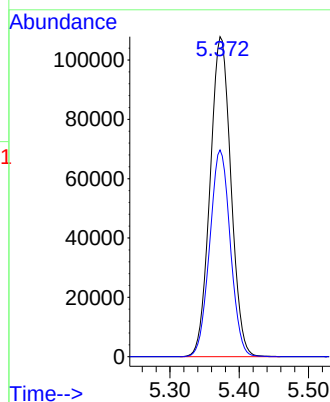
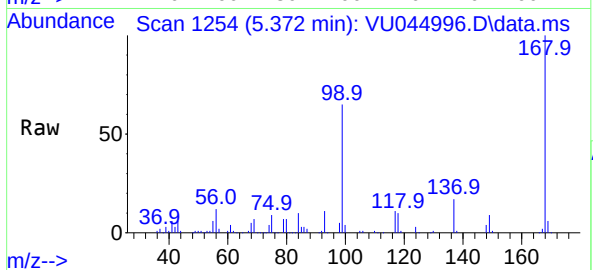




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.372 min Scan# 1254  
Delta R.T. -0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

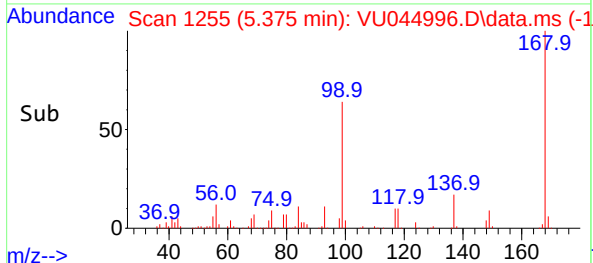
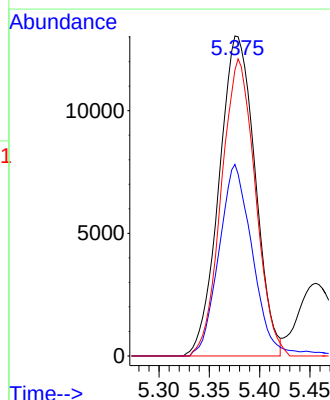
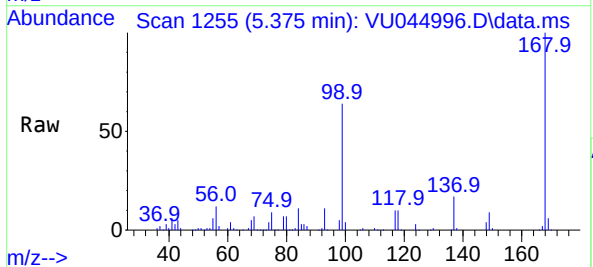
Instrument :  
MSVOA\_U  
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SUP-UST-03-(8-10)ME

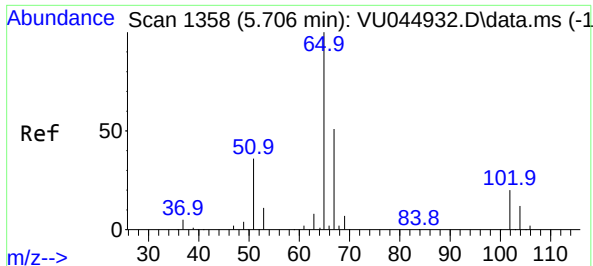
Tgt Ion:168 Resp: 225136  
Ion Ratio Lower Upper  
168 100  
99 64.6 51.4 77.0



#31  
Cyclohexane  
Concen: 5.70 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.013 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 56 Resp: 32471  
Ion Ratio Lower Upper  
56 100  
69 59.9 25.2 37.8#  
84 89.3 66.4 99.6

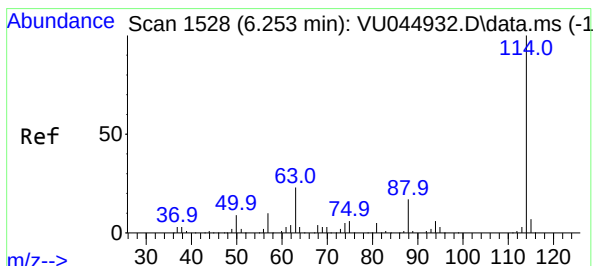
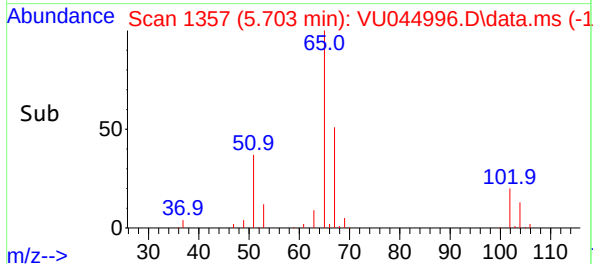
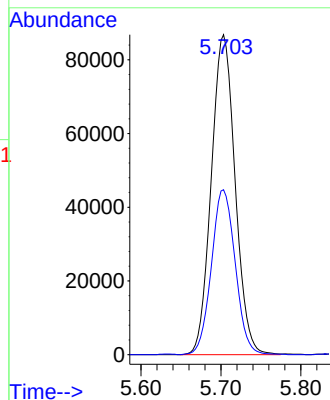
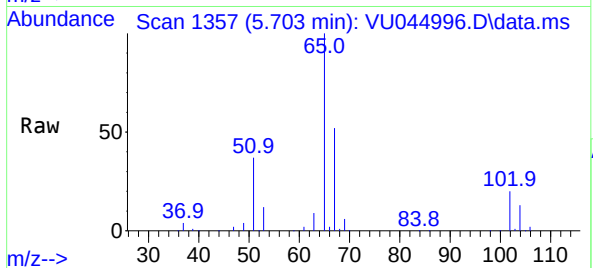




#33  
1,2-Dichloroethane-d4  
Concen: 47.97 ug/l  
RT: 5.703 min Scan# 1357  
Delta R.T. -0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

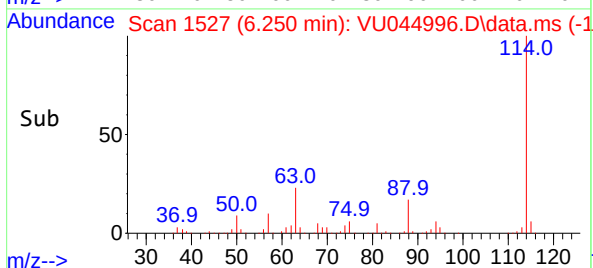
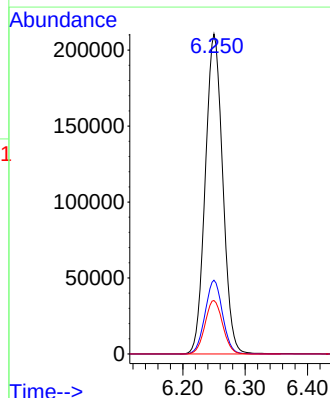
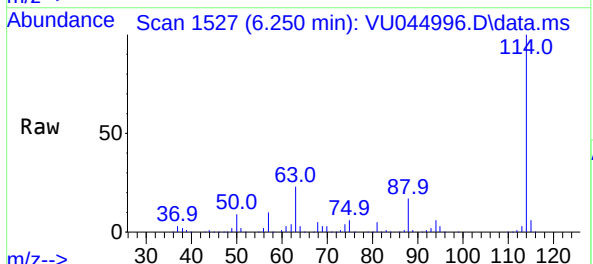
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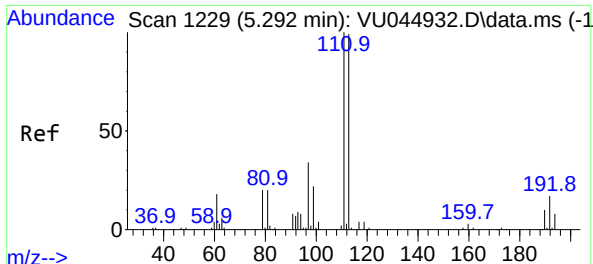
Tgt Ion: 65 Resp: 179777  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.250 min Scan# 1527  
Delta R.T. -0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 114 Resp: 409612  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 47.8  
88 16.7 0.0 32.8



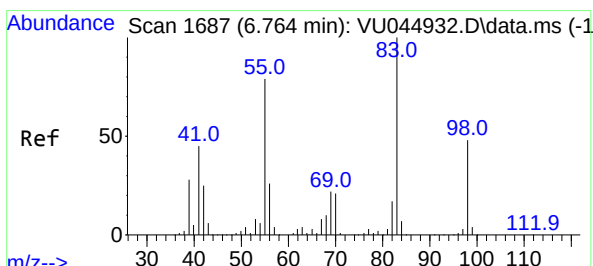
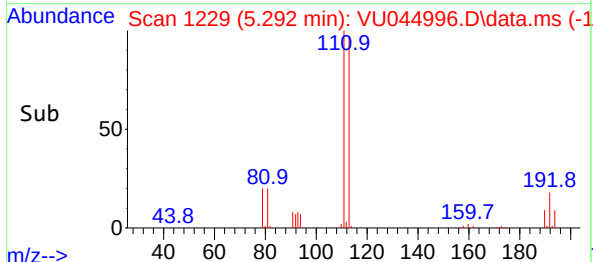
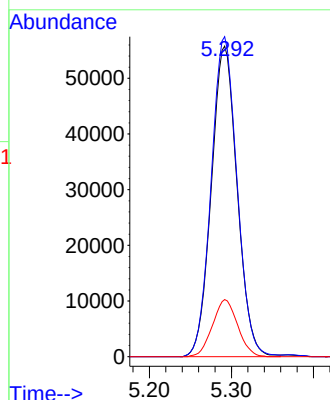
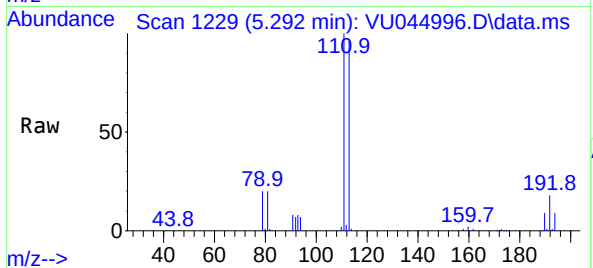


#35  
Dibromofluoromethane  
Concen: 47.34 ug/l  
RT: 5.292 min Scan# 1229  
Delta R.T. -0.000 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
SUP-UST-03-(8-10)ME

Tgt Ion:113 Resp: 122321

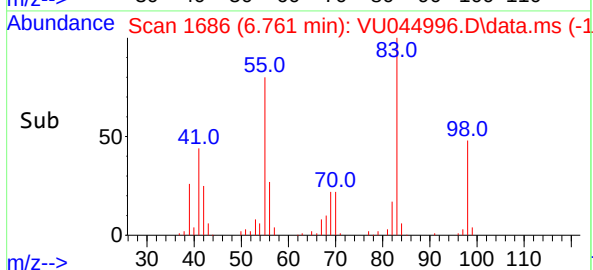
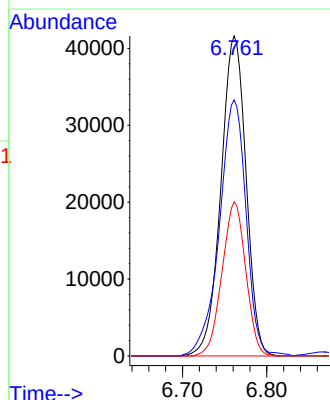
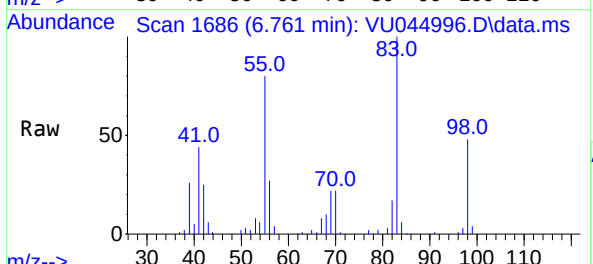
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.0 | 84.1  | 126.1 |
| 192 | 17.9  | 14.8  | 22.2  |

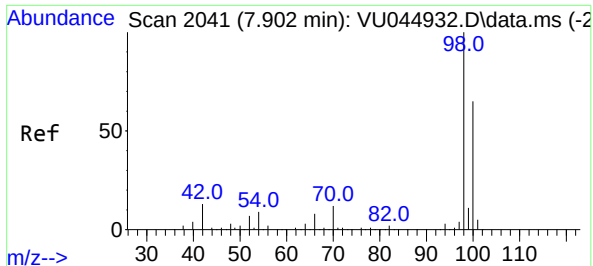


#39  
Methylcyclohexane  
Concen: 16.38 ug/l  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 83 Resp: 86137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.0  | 66.2  | 99.4  |
| 98  | 48.2  | 37.5  | 56.3  |

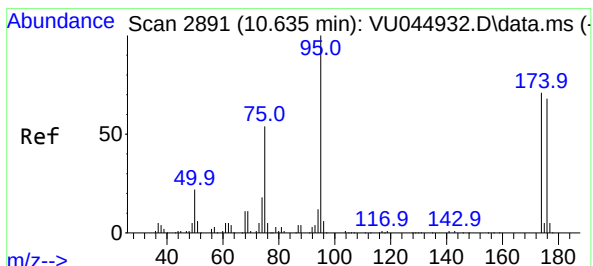
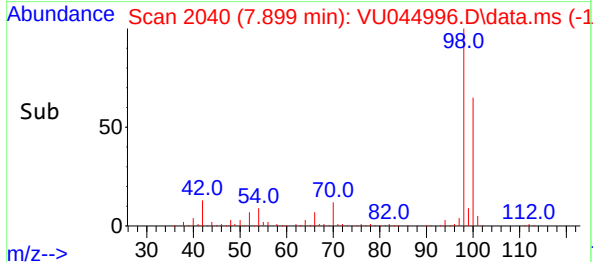
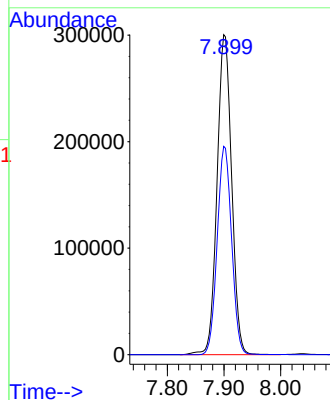
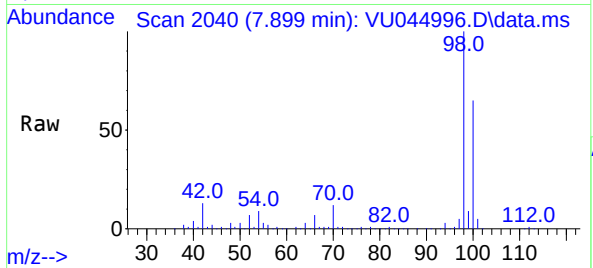




#50  
Toluene-d8  
Concen: 52.46 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. -0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

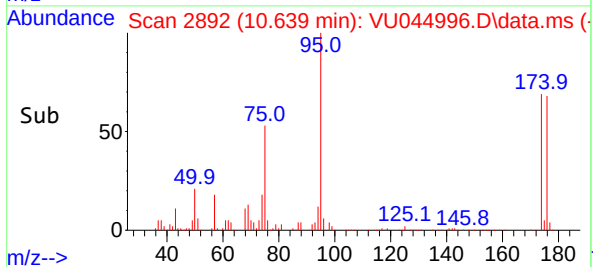
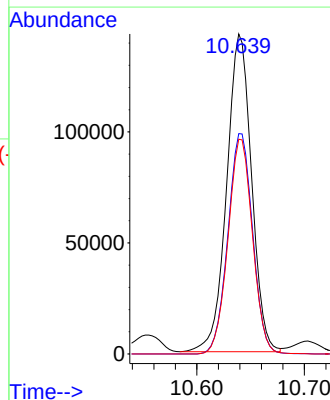
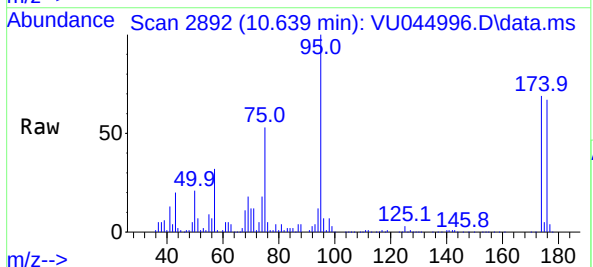
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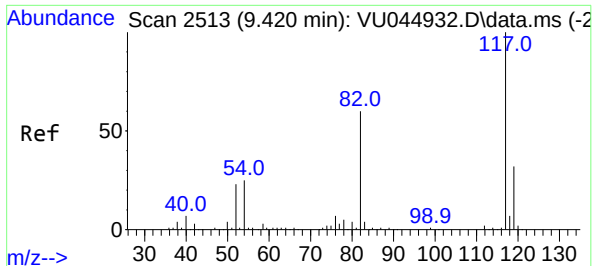
Tgt Ion: 98 Resp: 535582  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 54.54 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.004 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 95 Resp: 229911  
Ion Ratio Lower Upper  
95 100  
174 68.9 0.0 146.6  
176 66.6 0.0 141.2

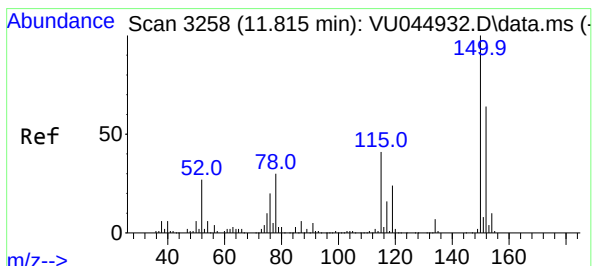
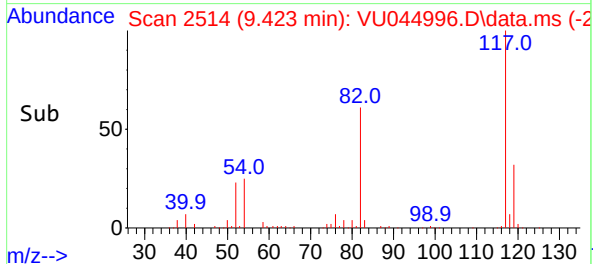
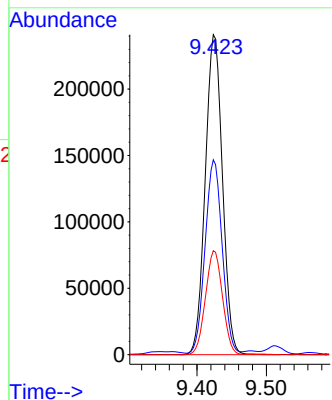
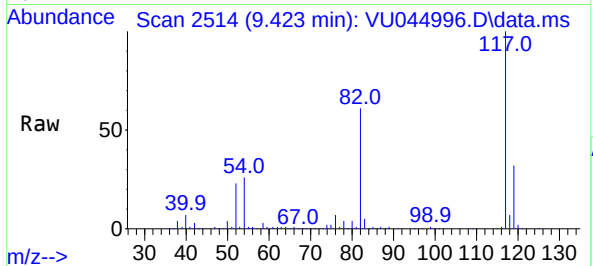




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. 0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

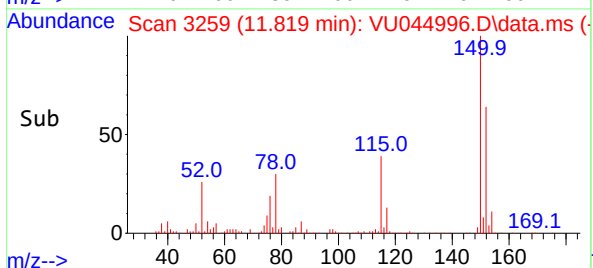
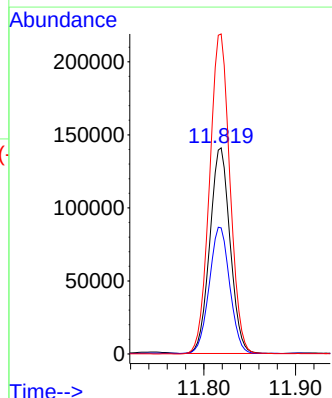
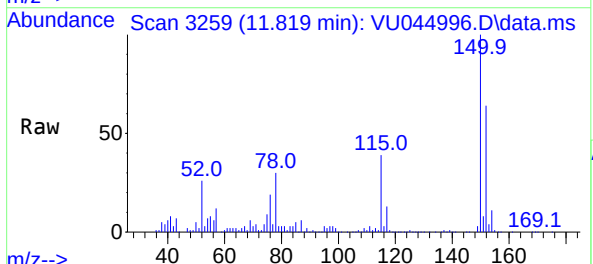
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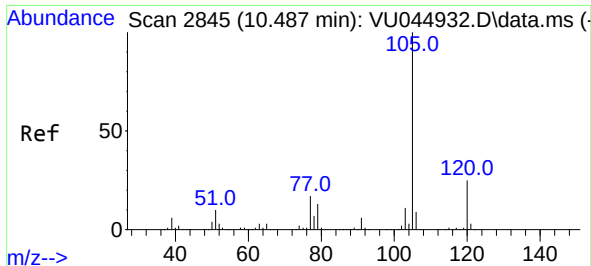
Tgt Ion:117 Resp: 415360  
Ion Ratio Lower Upper  
117 100  
82 60.2 47.8 71.8  
119 32.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.004 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion:152 Resp: 216223  
Ion Ratio Lower Upper  
152 100  
115 62.0 43.5 130.7  
150 156.9 0.0 350.0

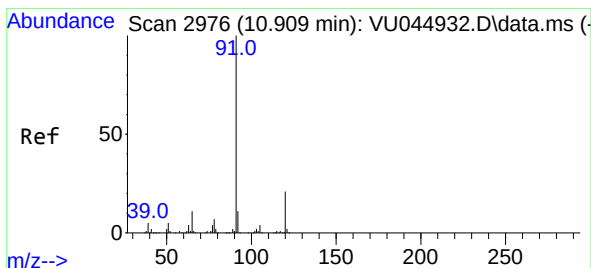
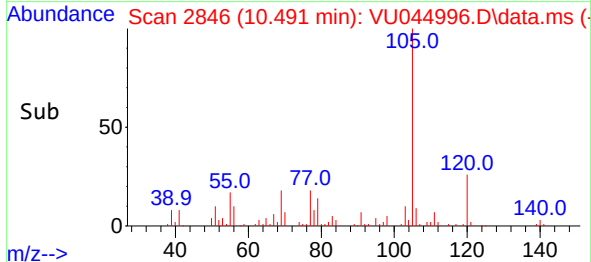
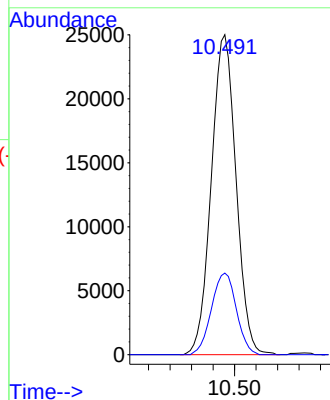
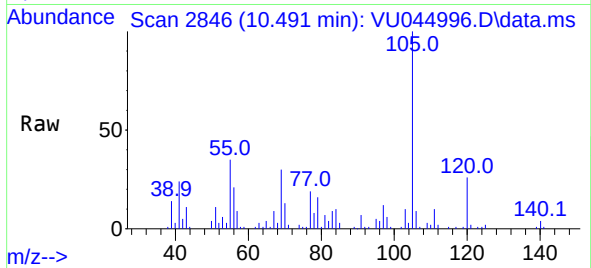




#73  
Isopropylbenzene  
Concen: 2.48 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.004 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

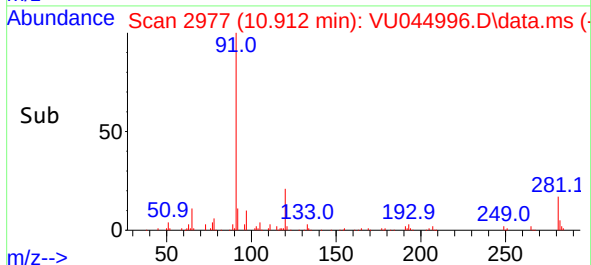
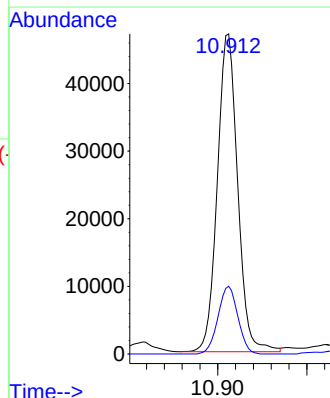
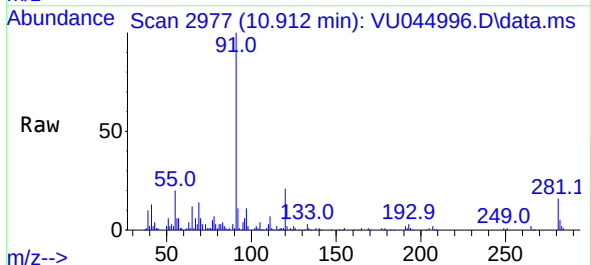
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Tgt Ion:105 Resp: 39910  
Ion Ratio Lower Upper  
105 100  
120 25.7 12.8 38.3

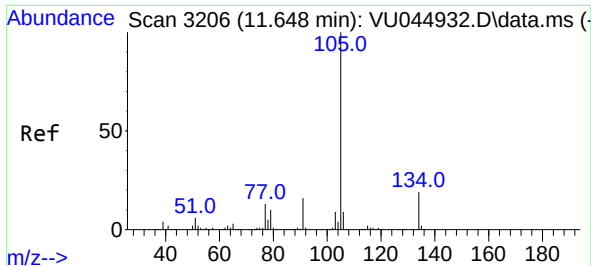


#78  
n-propylbenzene  
Concen: 3.80 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. 0.003 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 91 Resp: 74520  
Ion Ratio Lower Upper  
91 100  
120 20.8 10.8 32.4



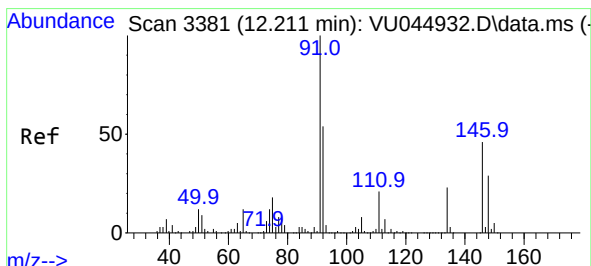
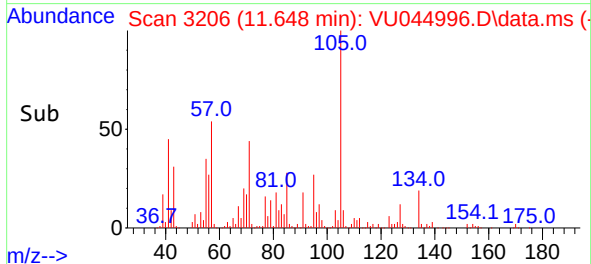
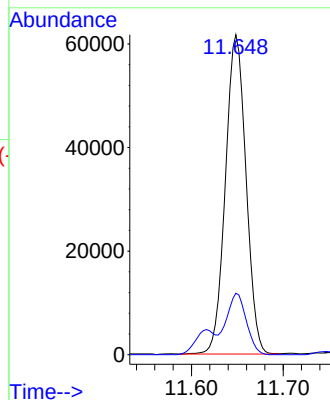
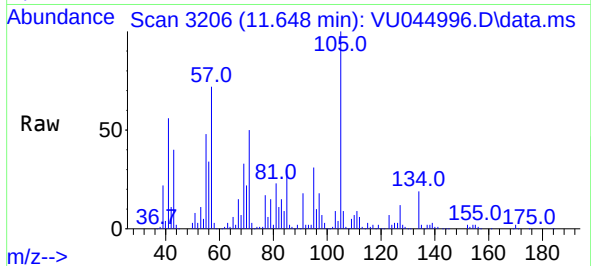




#85  
sec-Butylbenzene  
Concen: 5.43 ug/l  
RT: 11.648 min Scan# 3206  
Delta R.T. 0.000 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
SUP-UST-03-(8-10)ME

Tgt Ion:105 Resp: 96008  
Ion Ratio Lower Upper  
105 100  
134 18.4 9.3 28.0



#89  
n-Butylbenzene  
Concen: 9.19 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU044996.D  
Acq: 29 Sep 2021 16:28

Tgt Ion: 91 Resp: 120280  
Ion Ratio Lower Upper  
91 100  
92 46.7 26.8 80.4  
134 0.0 11.8 35.4#

