

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091021\  
 Data File : VD070314.D  
 Acq On : 10 Sep 2021 22:02  
 Operator : VA/SY  
 Sample : M3684-15  
 Misc : 5.31G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A008145

Quant Time: Sep 11 02:30:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

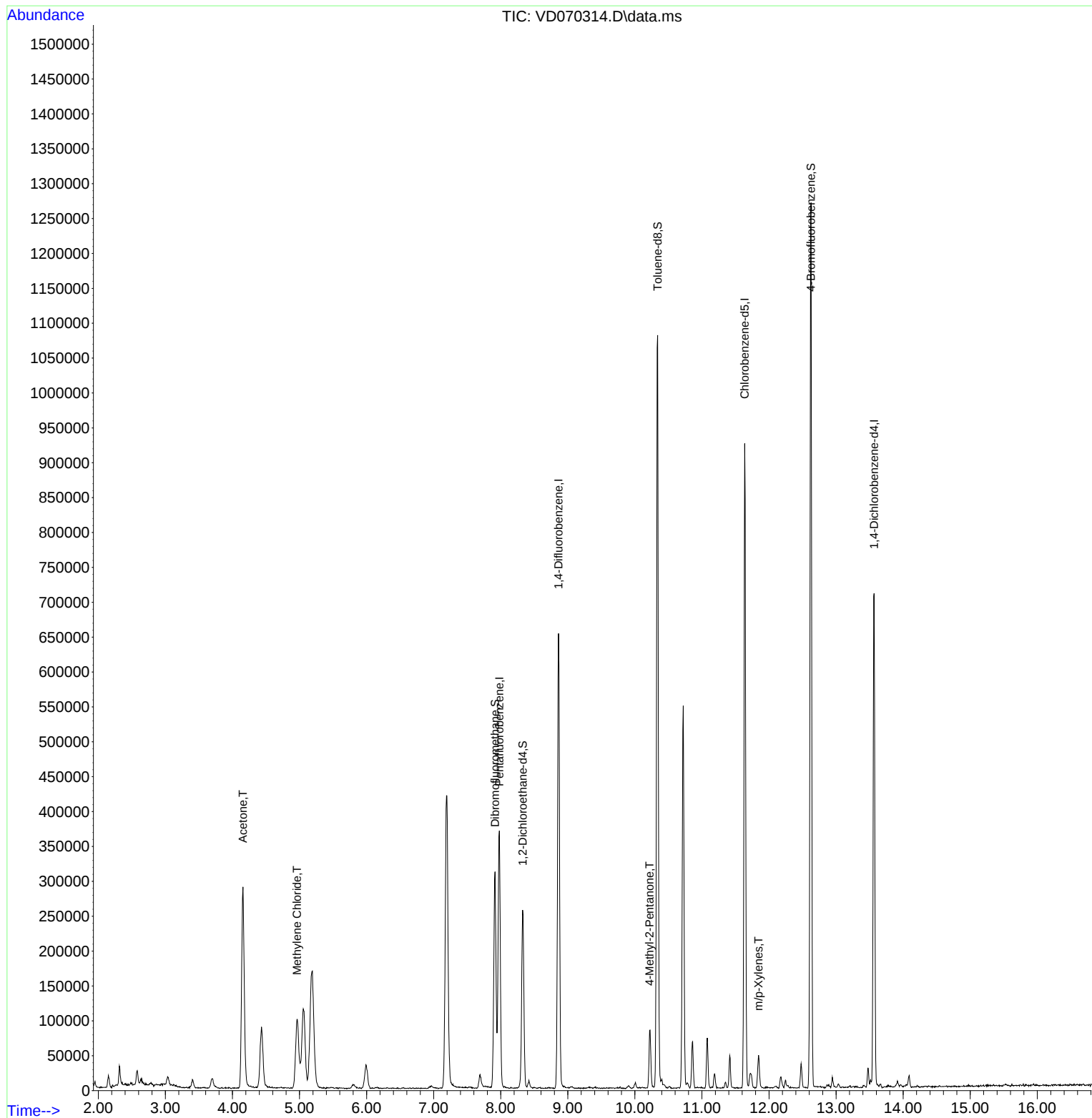
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------|----------|
| -----                       |           |       |          |          |       |          |
| Internal Standards          |           |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979     | 168   | 262963   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861     | 114   | 562153   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638    | 117   | 533171   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567    | 152   | 186378   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326     | 65    | 205107   | 60.745   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =     | 121.500% |
| 35) Dibromofluoromethane    | 7.914     | 113   | 226139   | 56.514   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =     | 113.020% |
| 50) Toluene-d8              | 10.338    | 98    | 749652   | 51.599   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | =     | 103.200% |
| 62) 4-Bromofluorobenzene    | 12.626    | 95    | 229718   | 45.242   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | =     | 90.480%  |
| Target Compounds            |           |       |          |          |       |          |
|                             |           |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.156     | 43    | 493203   | 818.153  | ug/l  | 95       |
| 20) Methylene Chloride      | 4.962     | 84    | 81044    | 16.743   | ug/l  | 96       |
| 51) 4-Methyl-2-Pentanone    | 10.220    | 43    | 56512    | 26.288   | ug/l  | 94       |
| 68) m/p-Xylenes             | 11.844    | 106   | 14311    | 1.945    | ug/l  | 97       |
| -----                       |           |       |          |          |       |          |

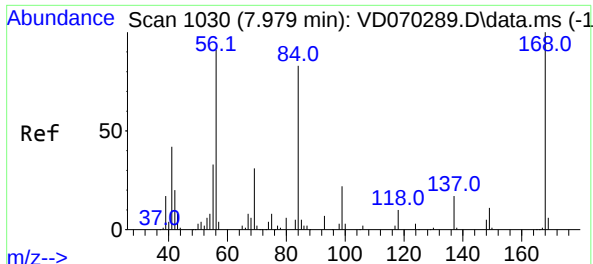
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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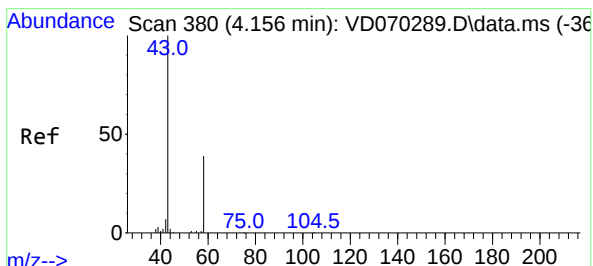
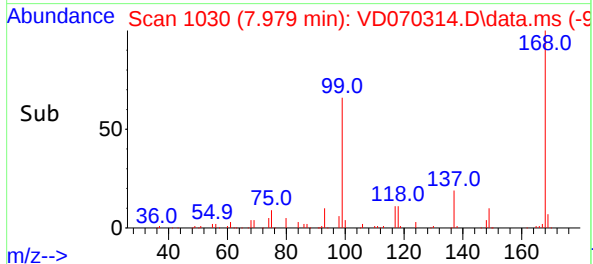
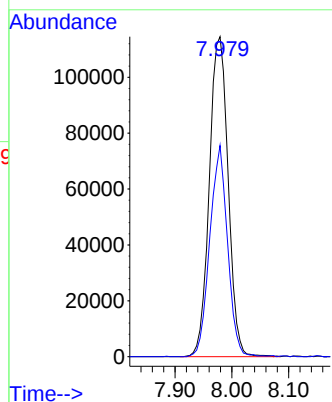
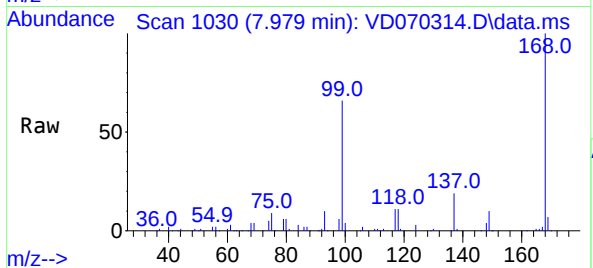




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

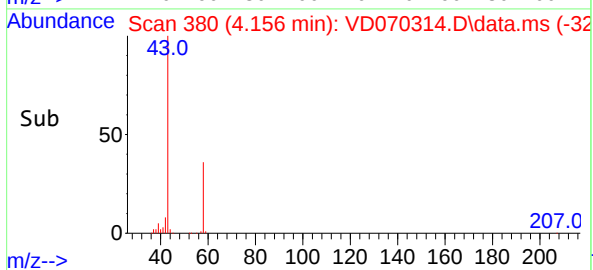
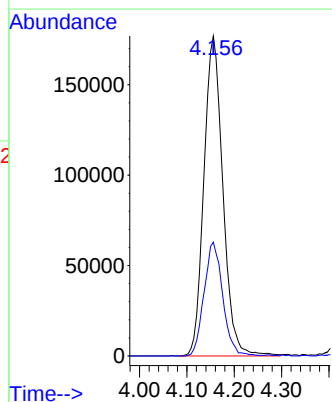
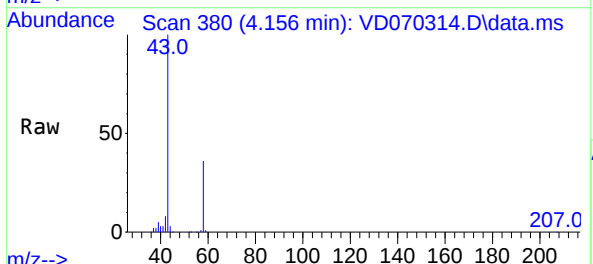
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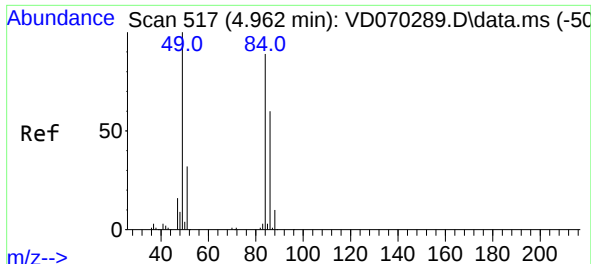
Tgt Ion:168 Resp: 262963  
Ion Ratio Lower Upper  
168 100  
99 66.0 50.8 76.2



#16  
Acetone  
Concen: 818.153 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Tgt Ion: 43 Resp: 493203  
Ion Ratio Lower Upper  
43 100  
58 35.6 30.9 46.3

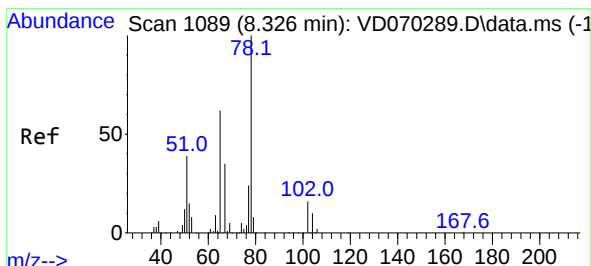
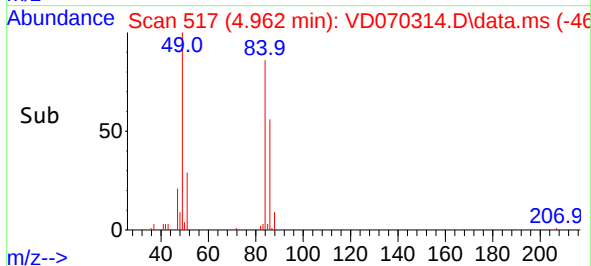
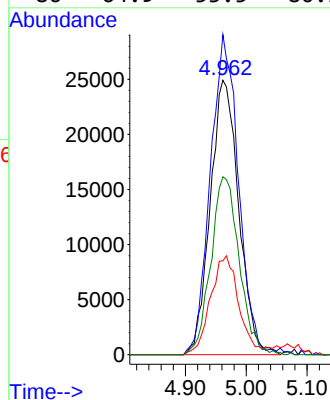
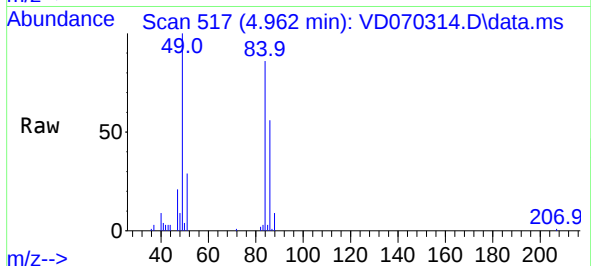




#20  
Methylene Chloride  
Concen: 16.743 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

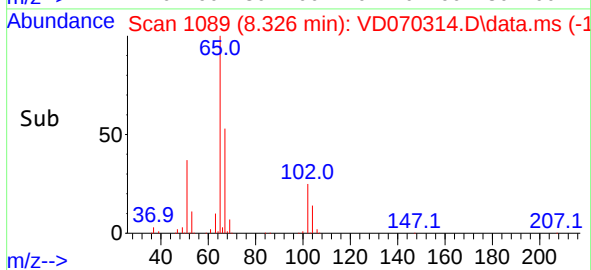
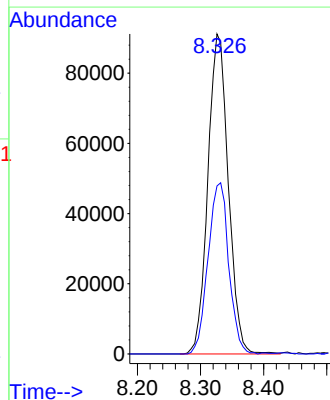
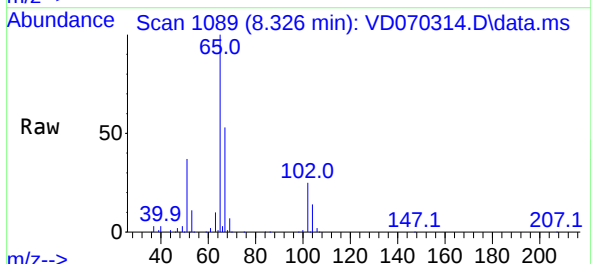
Instrument :  
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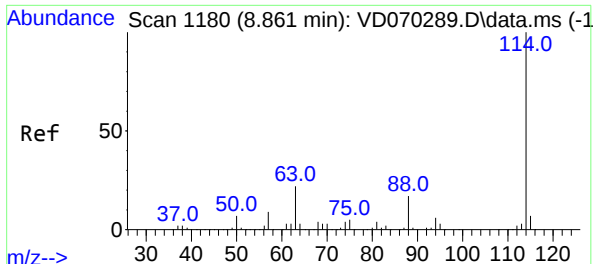
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 81044 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 116.6 | 89.6  | 134.4 |
| 51       | 34.2  | 28.6  | 43.0  |
| 86       | 64.9  | 53.5  | 80.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 60.745 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 205107 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.1  | 0.0   | 111.4  |



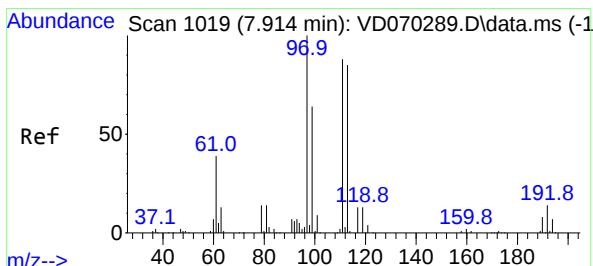
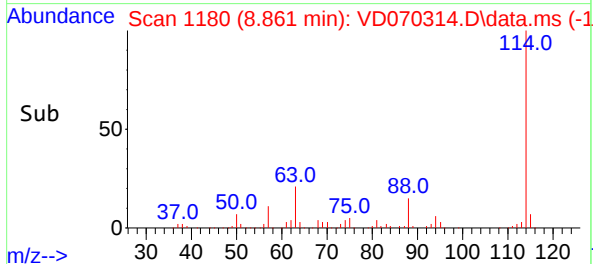
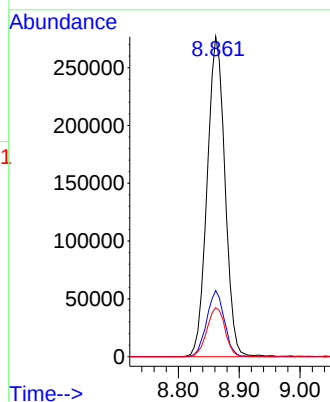
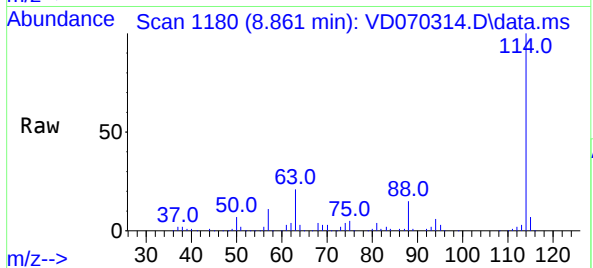


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
A008145

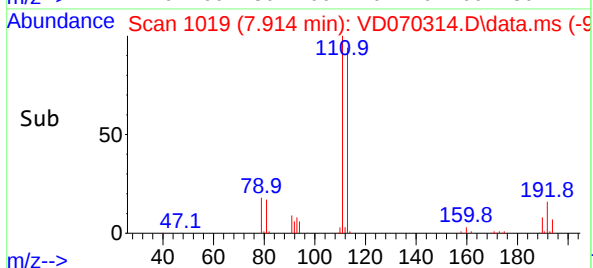
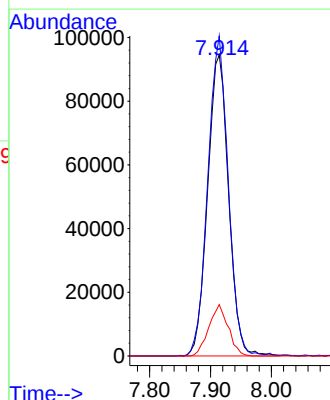
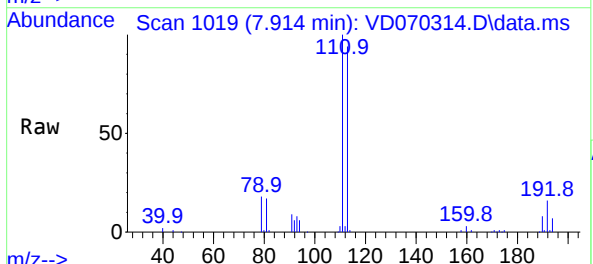
Tgt Ion:114 Resp: 562153  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 43.4  
88 15.3 0.0 33.4

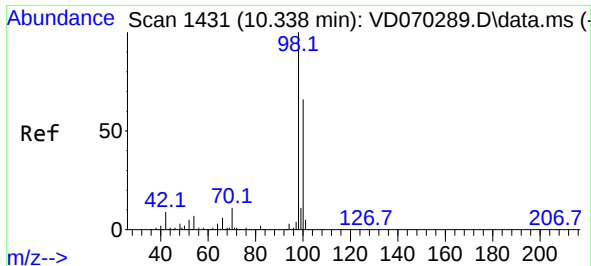


#35

Dibromofluoromethane  
Concen: 56.514 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Tgt Ion:113 Resp: 226139  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.4 122.2  
192 15.8 13.0 19.6

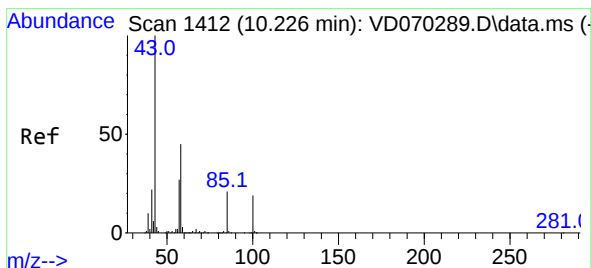
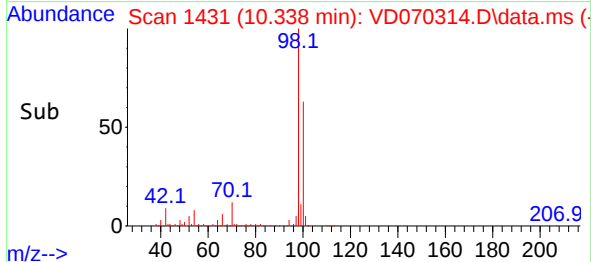
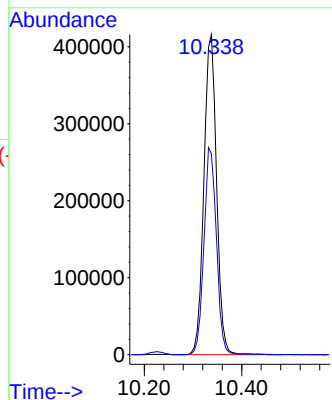
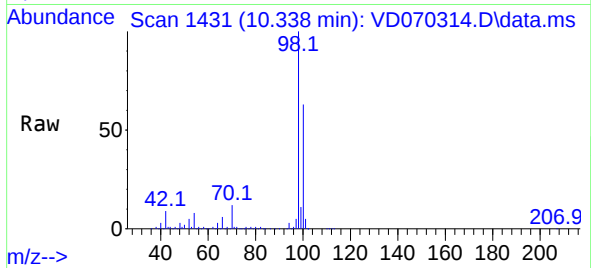




#50  
Toluene-d8  
Concen: 51.599 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

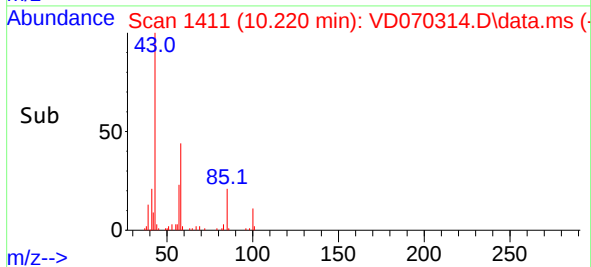
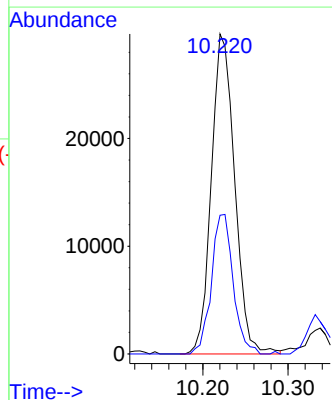
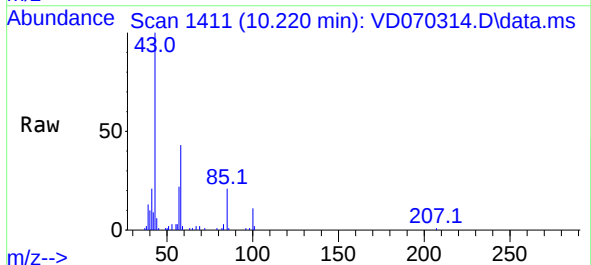
Instrument :  
MSVOA\_D  
ClientSampleId :  
A008145

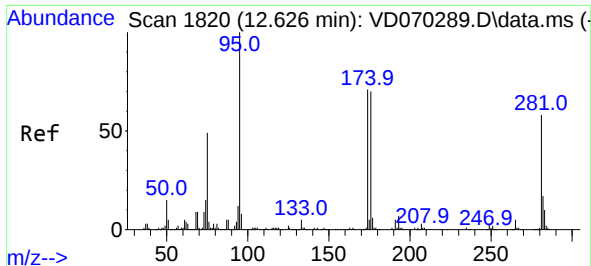
Tgt Ion: 98 Resp: 749652  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 26.288 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Tgt Ion: 43 Resp: 56512  
Ion Ratio Lower Upper  
43 100  
58 40.6 35.4 53.2

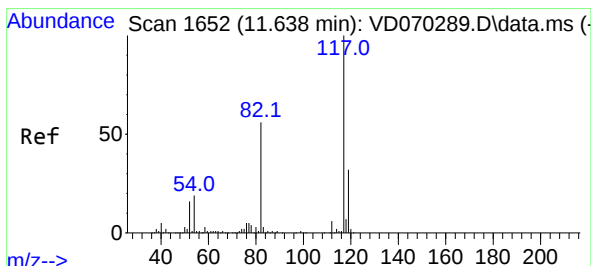
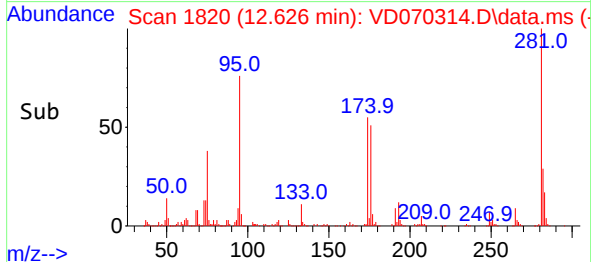
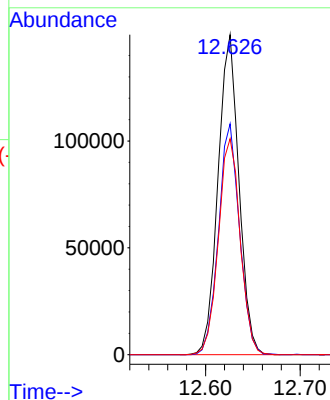
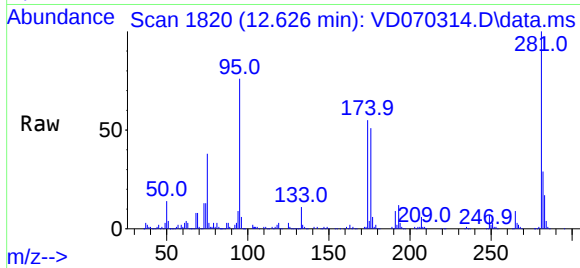




#62  
4-Bromofluorobenzene  
Concen: 45.242 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

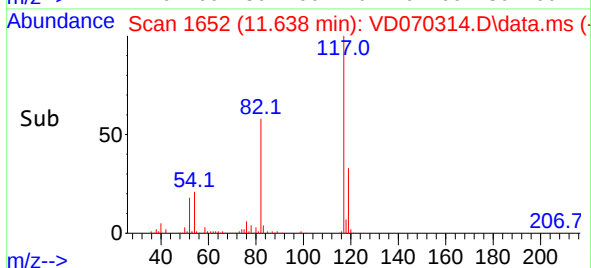
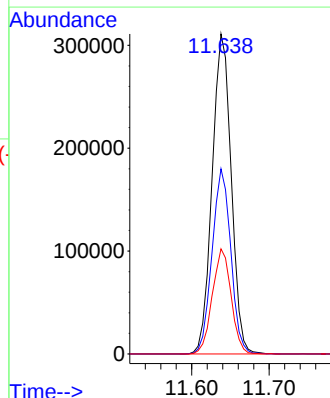
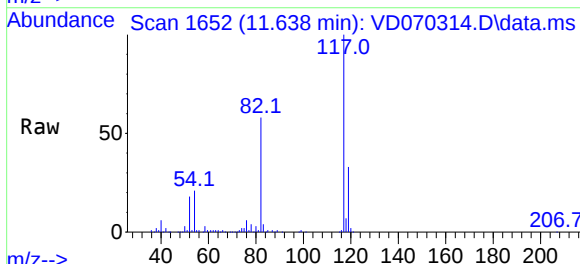
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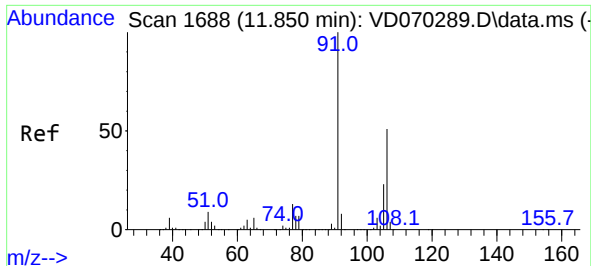
Tgt Ion: 95 Resp: 229718  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 140.6  
176 70.2 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Tgt Ion:117 Resp: 533171  
Ion Ratio Lower Upper  
117 100  
82 57.8 45.0 67.4  
119 32.8 25.2 37.8

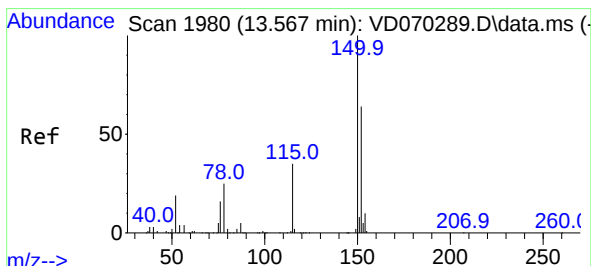
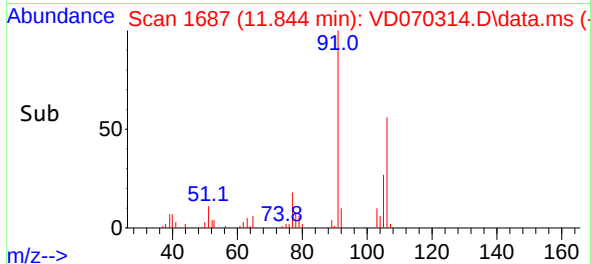
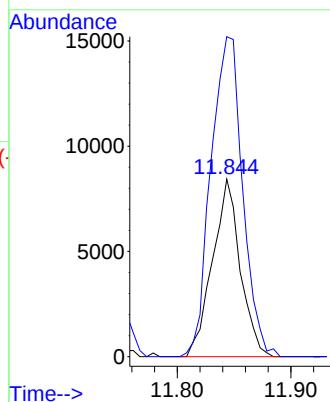
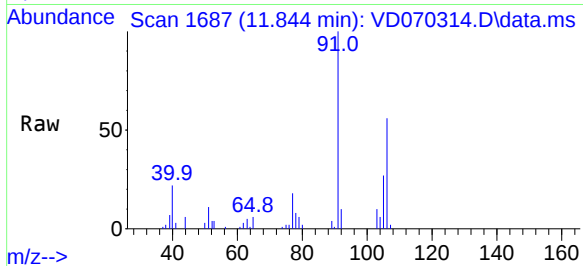




#68  
m/p-Xylenes  
Concen: 1.945 ug/l  
RT: 11.844 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Instrument :  
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ClientSampleId :  
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Tgt Ion:106 Resp: 14311  
Ion Ratio Lower Upper  
106 100  
91 206.1 161.2 241.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070314.D  
Acq: 10 Sep 2021 22:02

Tgt Ion:152 Resp: 186378  
Ion Ratio Lower Upper  
152 100  
115 62.8 32.1 96.3  
150 162.6 0.0 350.6

