

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030321\  
 Data File : VD068507.D  
 Acq On : 03 Mar 2021 12:32  
 Operator : VA/SY  
 Sample : M1542-01  
 Misc : 6.43G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-03-030221

Quant Time: Mar 04 00:02:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

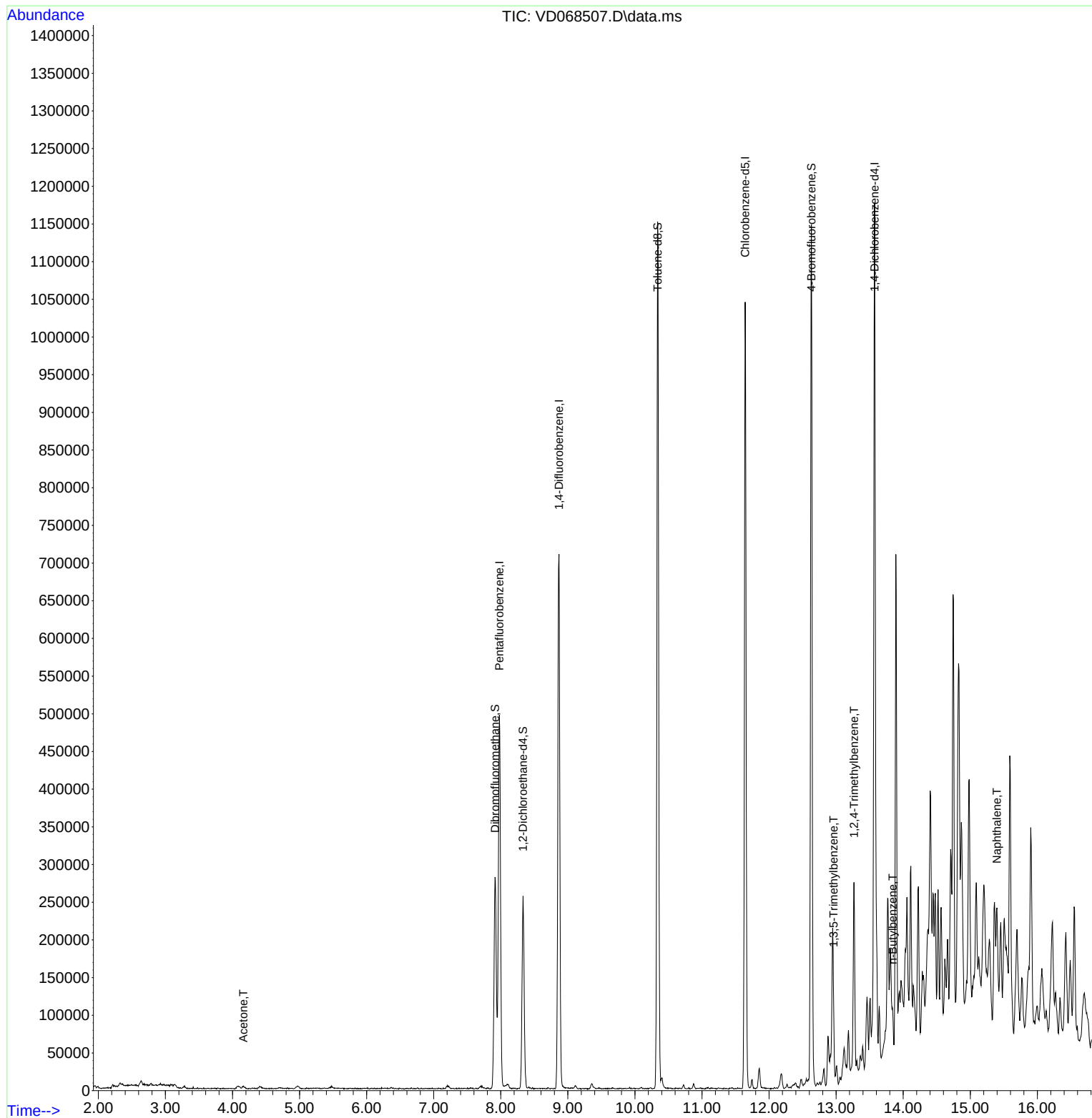
| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 7.979          | 168  | 379922             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867          | 114  | 656458             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.643         | 117  | 624297             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573         | 152  | 290281             | 50.00 | ug/l   | 0.00     |
|                             |                |      |                    |       |        |          |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332          | 65   | 195451             | 51.49 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 102.98% |       |        |          |
| 35) Dibromofluoromethane    | 7.914          | 113  | 205309             | 51.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 103.84% |       |        |          |
| 50) Toluene-d8              | 10.338         | 98   | 823937             | 52.31 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 104.62% |       |        |          |
| 62) 4-Bromofluorobenzene    | 12.632         | 95   | 272247             | 53.63 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 107.26% |       |        |          |
|                             |                |      |                    |       |        |          |
| Target Compounds            |                |      |                    |       |        | Qvalue   |
| 16) Acetone                 | 4.161          | 43   | 6193               | 10.27 | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene  | 12.961         | 105  | 30462              | 1.73  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.267         | 105  | 144563             | 8.18  | ug/l   | 96       |
| 89) n-Butylbenzene          | 13.843         | 91   | 31300              | 1.68  | ug/l # | 78       |
| 95) Naphthalene             | 15.396         | 128  | 114275             | 10.04 | ug/l # | 93       |
| -----                       |                |      |                    |       |        |          |

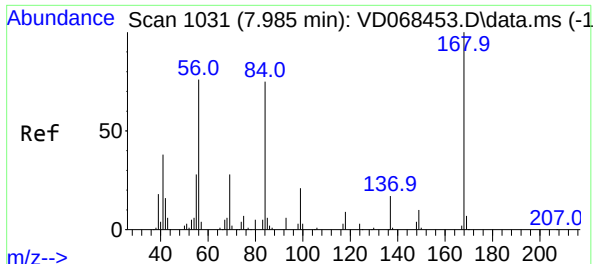
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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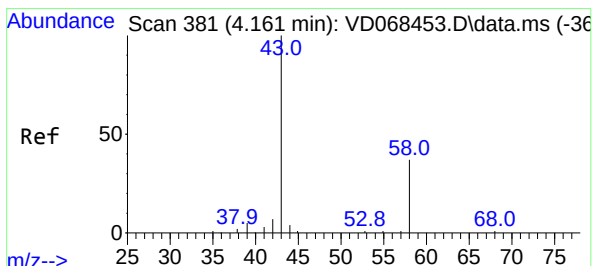
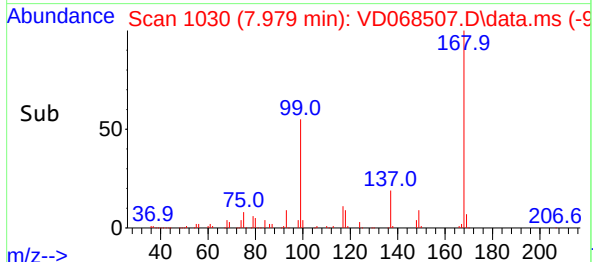
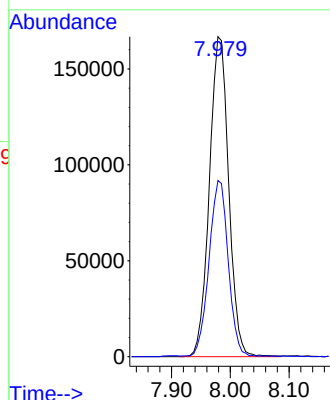
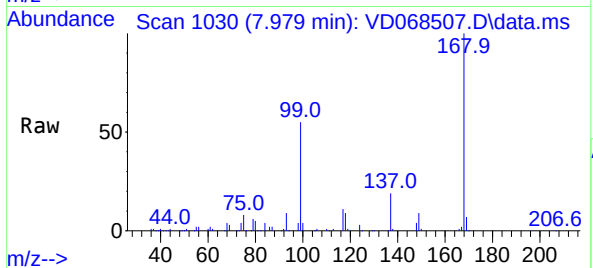




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

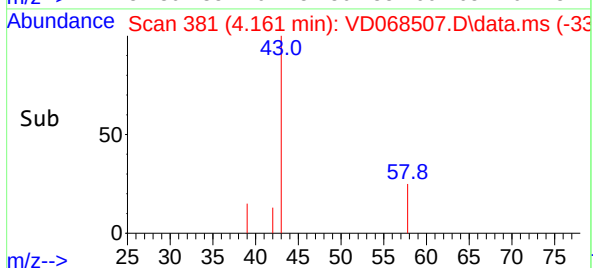
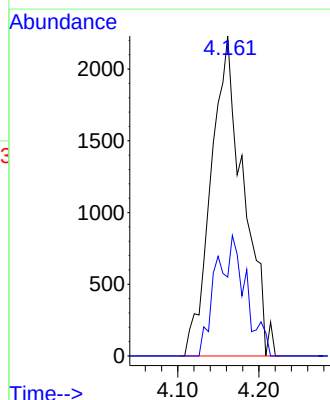
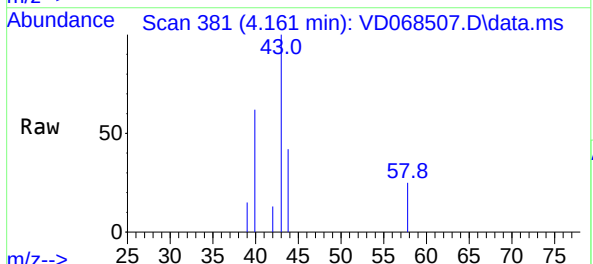
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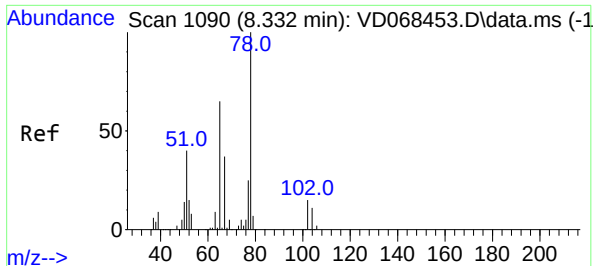
Tgt Ion:168 Resp: 379922  
Ion Ratio Lower Upper  
168 100  
99 54.9 43.5 65.3



#16  
Acetone  
Concen: 10.27 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion: 43 Resp: 6193  
Ion Ratio Lower Upper  
43 100  
58 24.7 24.2 36.4

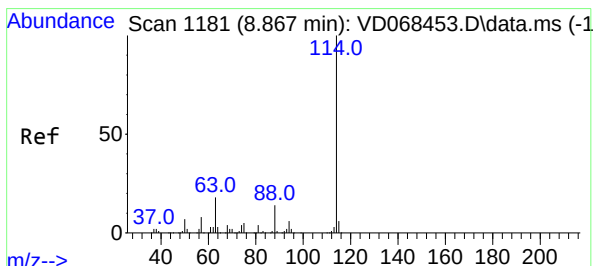
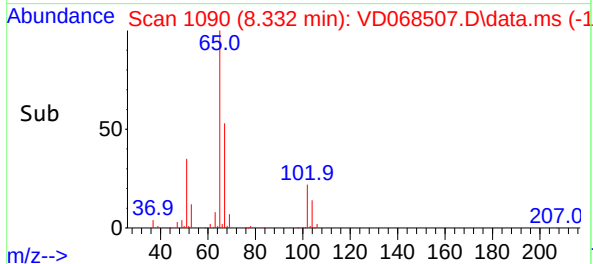
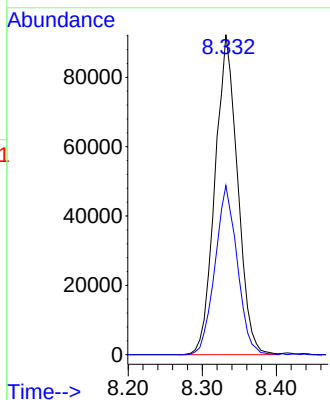
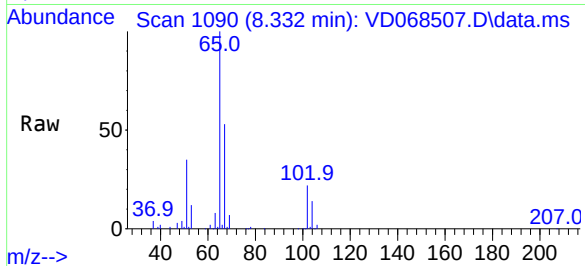




#33  
1,2-Dichloroethane-d4  
Concen: 51.49 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

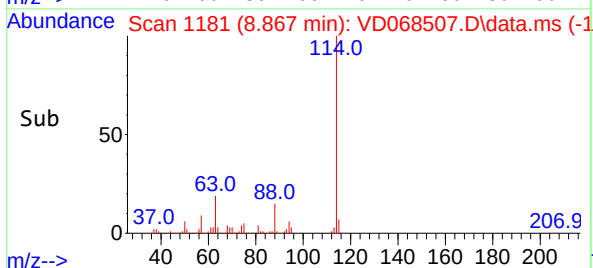
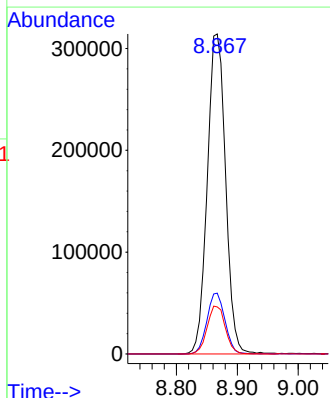
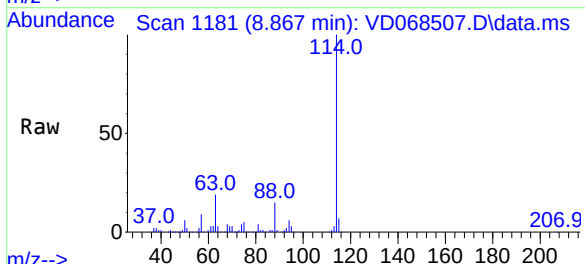
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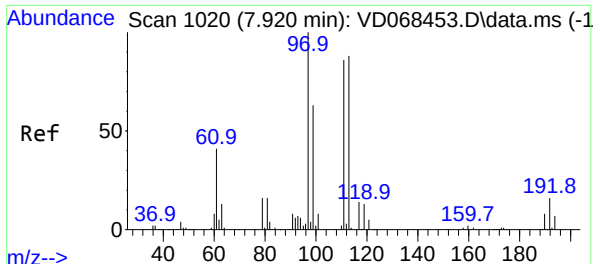
Tgt Ion: 65 Resp: 195451  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion: 114 Resp: 656458  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 34.8  
88 14.7 0.0 31.6

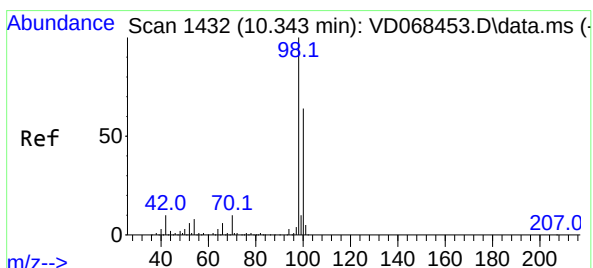
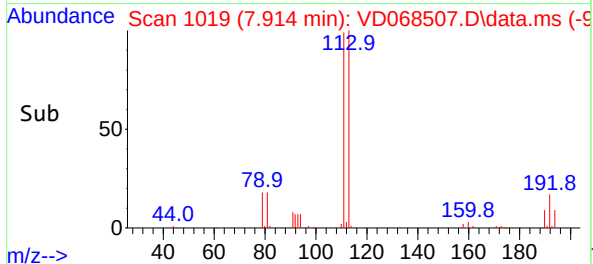
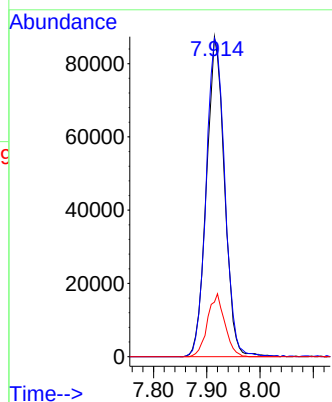
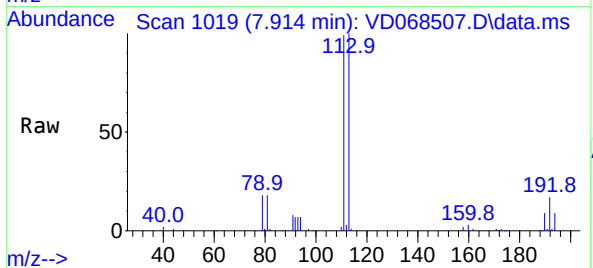




#35  
Dibromofluoromethane  
Concen: 51.92 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

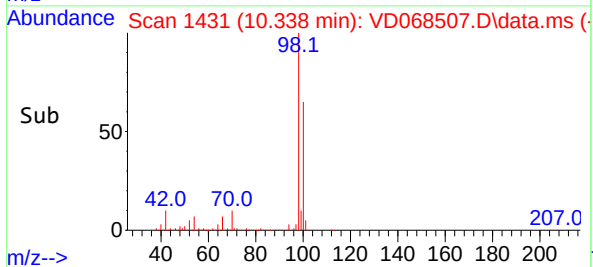
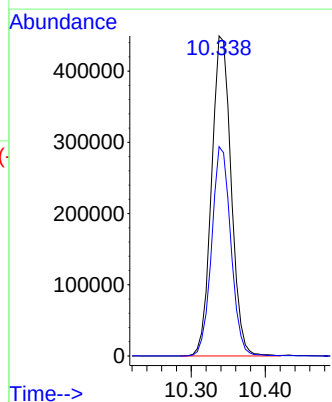
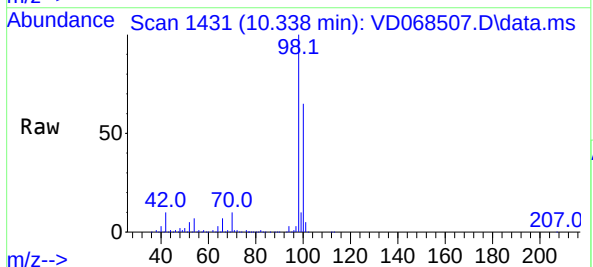
Instrument :  
MSVOA\_D  
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SU-03-030221

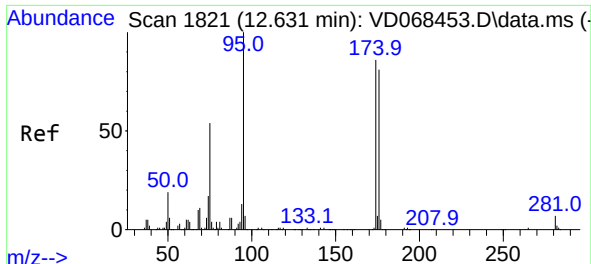
Tgt Ion:113 Resp: 205309  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.4 122.0  
192 18.8 16.1 24.1



#50  
Toluene-d8  
Concen: 52.31 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion: 98 Resp: 823937  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.0 79.4



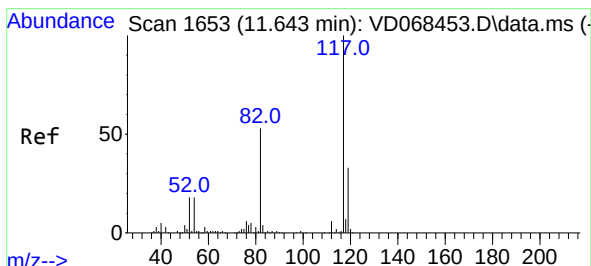
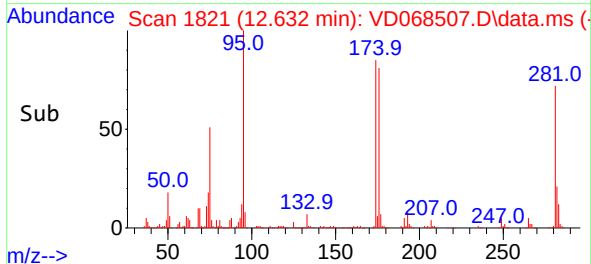
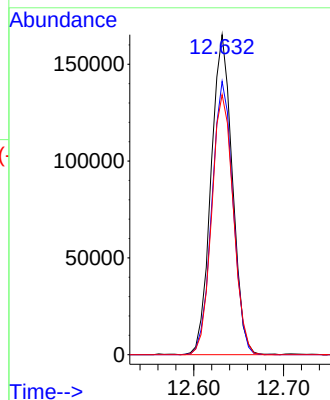
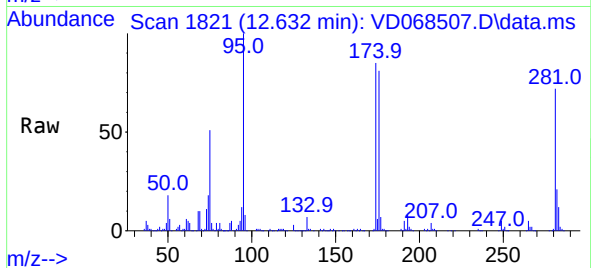


#62  
4-Bromofluorobenzene  
Concen: 53.63 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-03-030221

Tgt Ion: 95 Resp: 272247

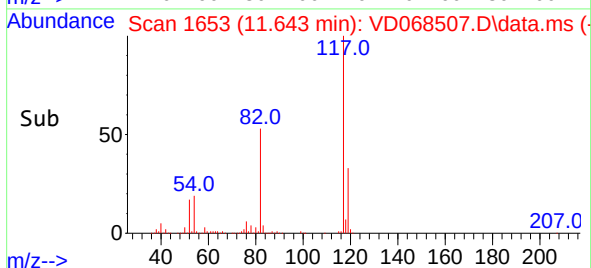
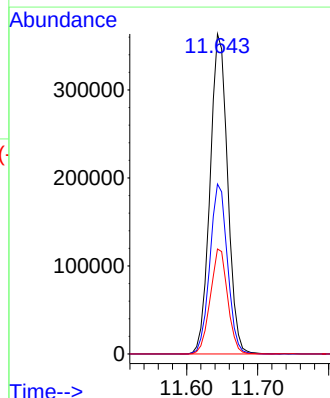
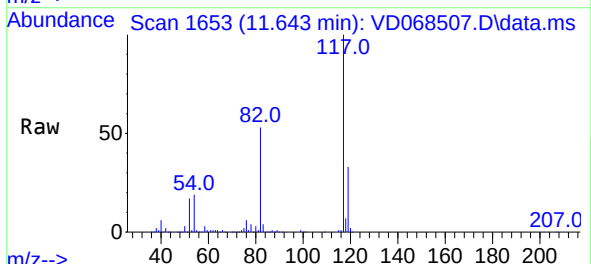
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 84.8  | 0.0   | 172.4 |
| 176 | 82.3  | 0.0   | 168.4 |

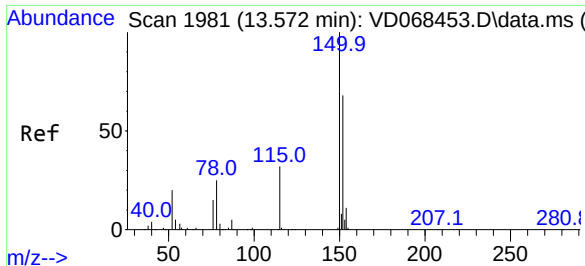


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion: 117 Resp: 624297

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 53.1  | 41.4  | 62.0  |
| 119 | 32.8  | 26.1  | 39.1  |

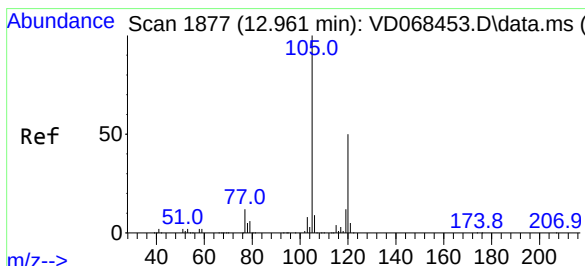
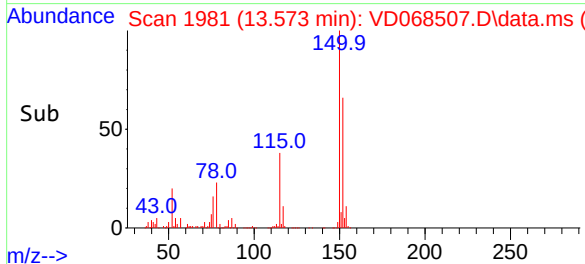
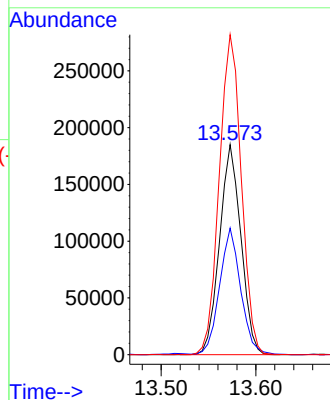
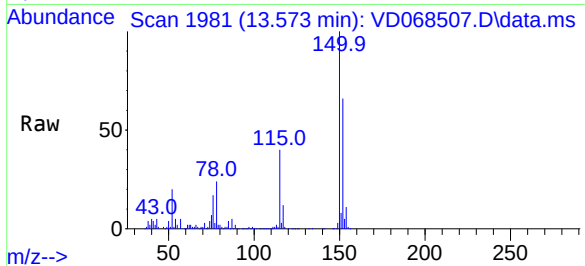




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

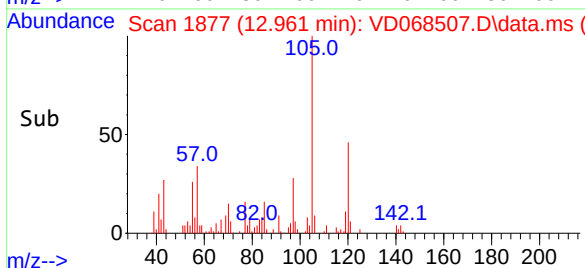
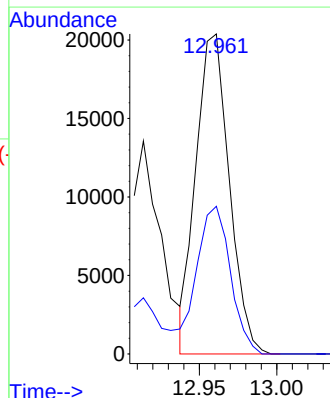
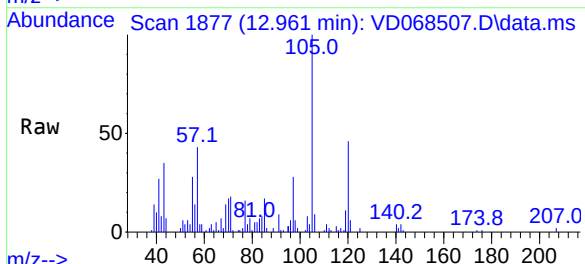
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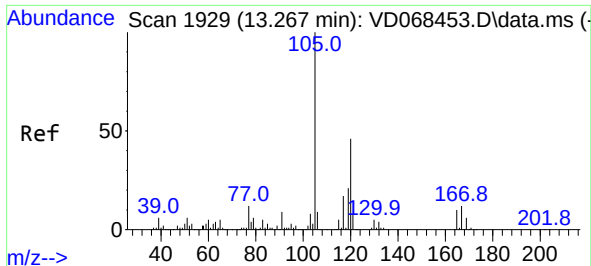
Tgt Ion:152 Resp: 290281  
Ion Ratio Lower Upper  
152 100  
115 59.7 28.9 86.8  
150 157.3 0.0 344.4



#80  
1,3,5-Trimethylbenzene  
Concen: 1.73 ug/l  
RT: 12.961 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion:105 Resp: 30462  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.2 72.6

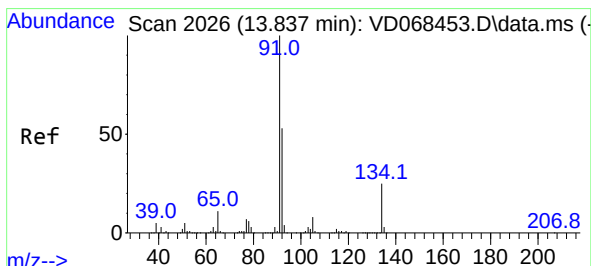
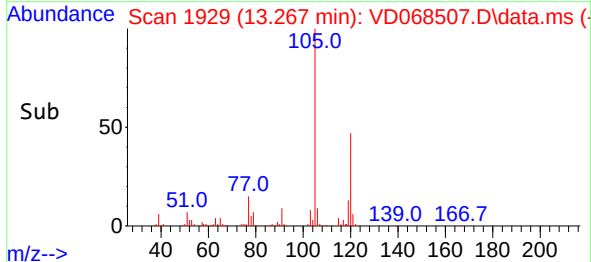
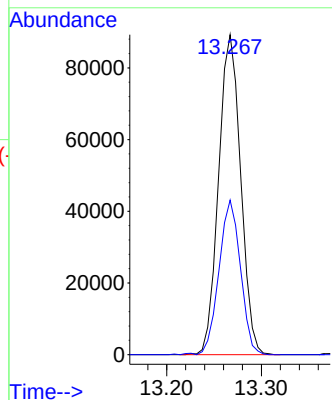
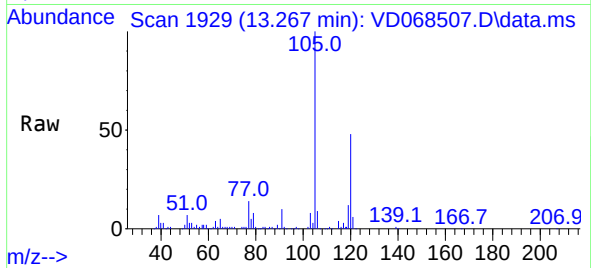




#84  
1,2,4-Trimethylbenzene  
Concen: 8.18 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

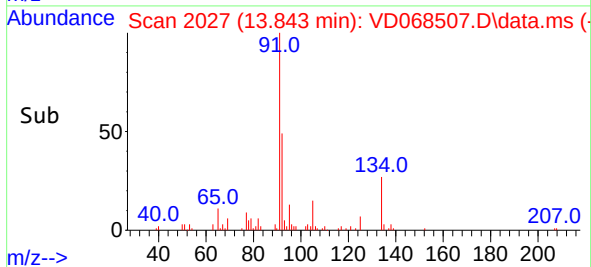
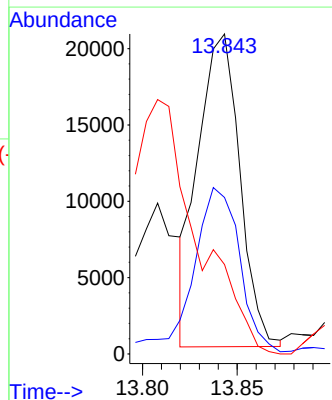
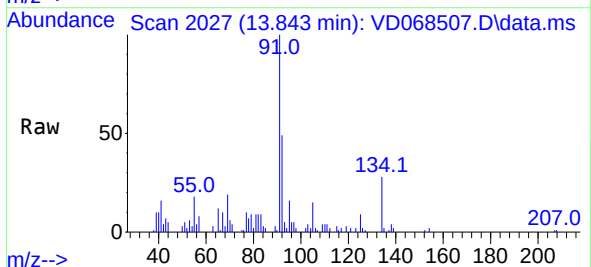
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Tgt Ion:105 Resp: 144563  
Ion Ratio Lower Upper  
105 100  
120 47.1 22.4 67.0

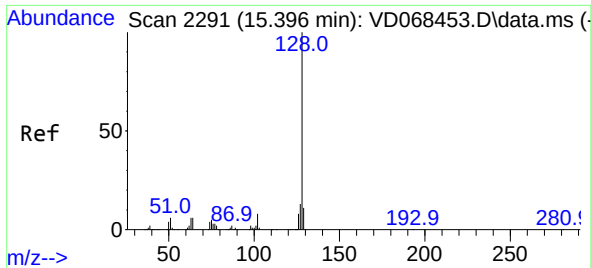


#89  
n-Butylbenzene  
Concen: 1.68 ug/l  
RT: 13.843 min Scan# 2027  
Delta R.T. 0.006 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Tgt Ion: 91 Resp: 31300  
Ion Ratio Lower Upper  
91 100  
92 59.0 27.2 81.6  
134 0.0 13.9 41.7#







#95  
Naphthalene  
Concen: 10.04 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD068507.D  
Acq: 03 Mar 2021 12:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:128 Resp: 114275  
Ion Ratio Lower Upper  
128 100  
127 15.6 10.2 15.2#  
129 13.2 8.8 13.2

