

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012121\  
 Data File : VD068134.D  
 Acq On : 21 Jan 2021 15:52  
 Operator : VA/SY  
 Sample : M1198-02  
 Misc : 4.60G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TT-037-IDWSO-20210120

Quant Time: Jan 22 00:10:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

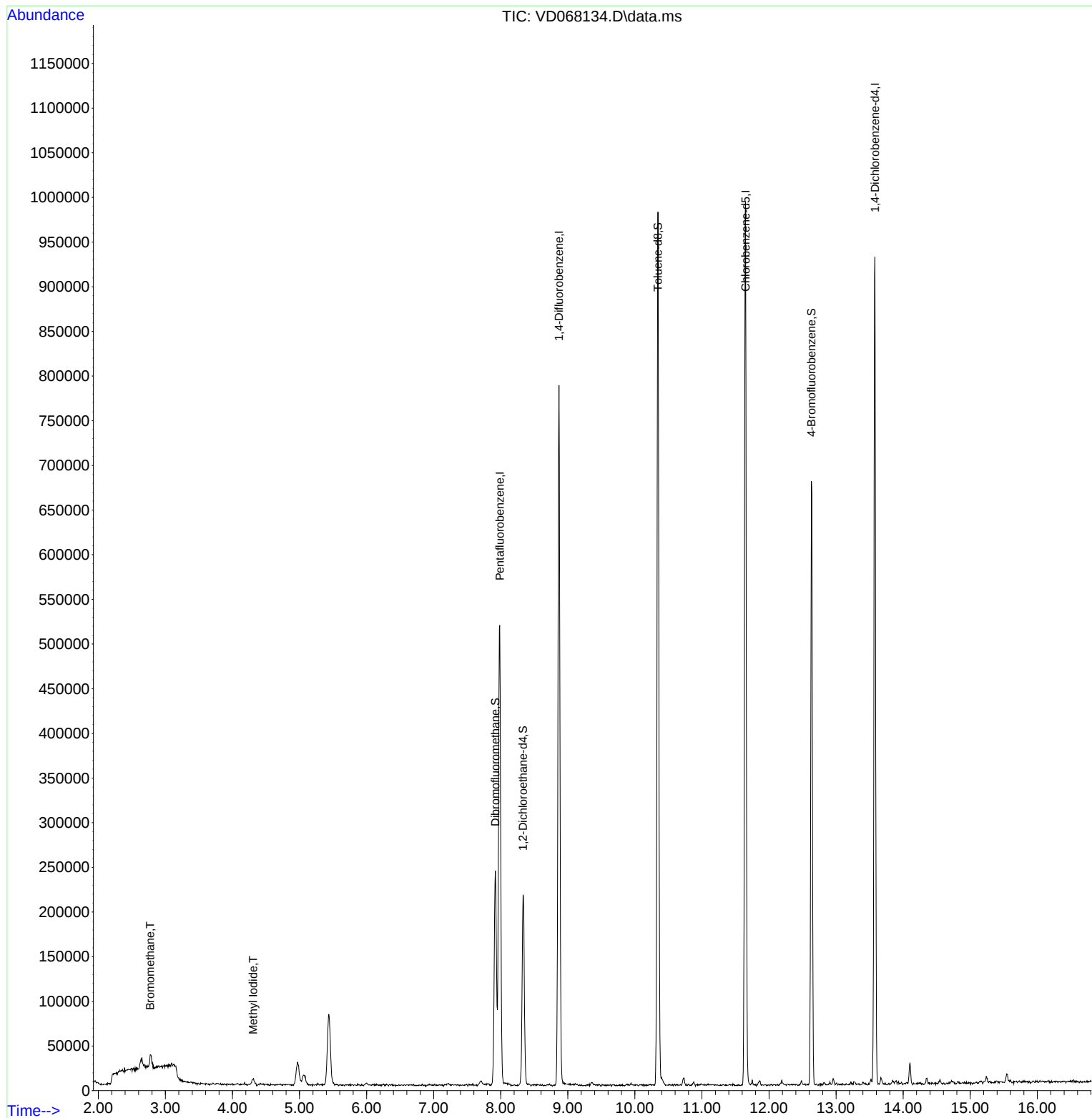
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.985  | 168   | 390610   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 691319   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.649 | 117   | 593868   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.579 | 152   | 251899   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 175665   | 47.01    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 94.02%   |
| 35) Dibromofluoromethane    | 7.920  | 113   | 173254   | 45.33    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 90.66%   |
| 50) Toluene-d8              | 10.344 | 98    | 686867   | 44.93    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 89.86%   |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 229848   | 41.75    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 83.50%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 5) Bromomethane             | 2.773  | 94    | 11724    | 3.08     | ug/l # | 79       |
| 10) Methyl Iodide           | 4.309  | 142   | 10570    | 5.23     | ug/l   | 95       |
| -----                       |        |       |          |          |        |          |

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

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TT-037-IDWSO-20210120

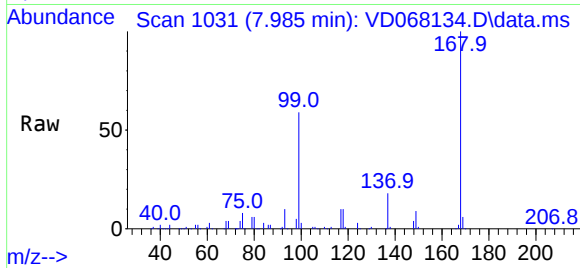
Quant Time: Jan 22 00:10:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 19 13:19:08 2021  
Response via : Initial Calibration



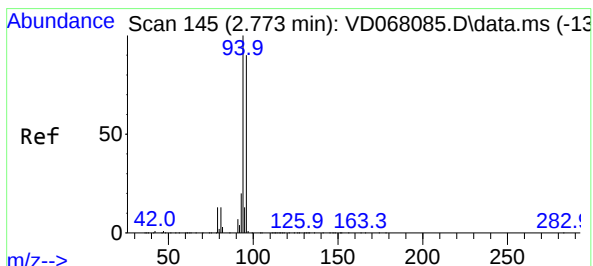
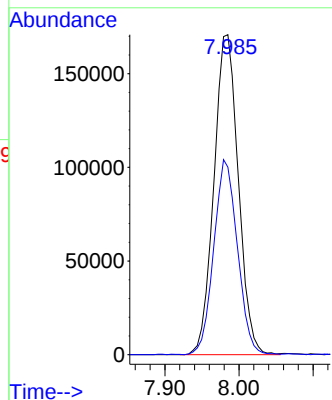
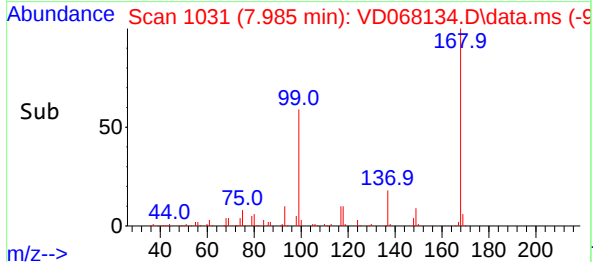


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

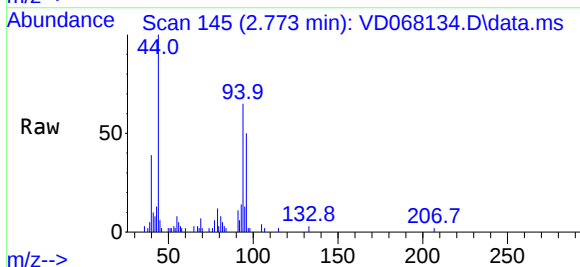
Instrument :  
MSVOA\_D  
ClientSampleId :  
TT-037-IDWSO-20210120



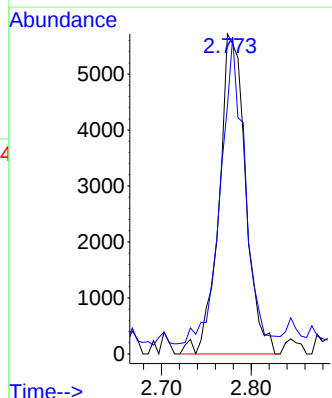
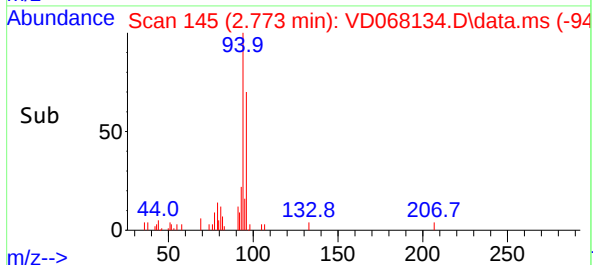
Tgt Ion:168 Resp: 390610  
Ion Ratio Lower Upper  
168 100  
99 58.5 43.5 65.3

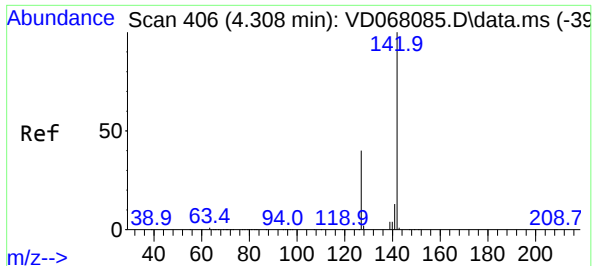


#5  
Bromomethane  
Concen: 3.08 ug/l  
RT: 2.773 min Scan# 145  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52



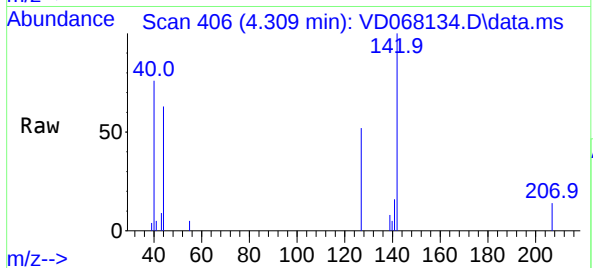
Tgt Ion: 94 Resp: 11724  
Ion Ratio Lower Upper  
94 100  
96 74.0 75.8 113.8#





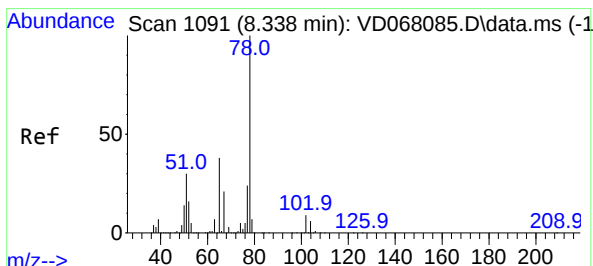
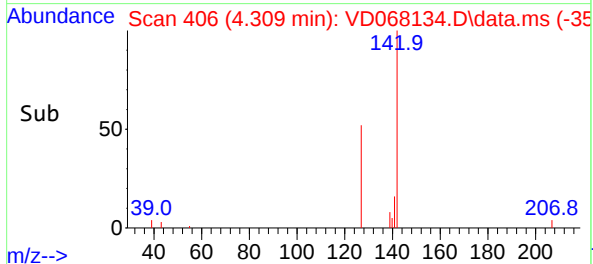
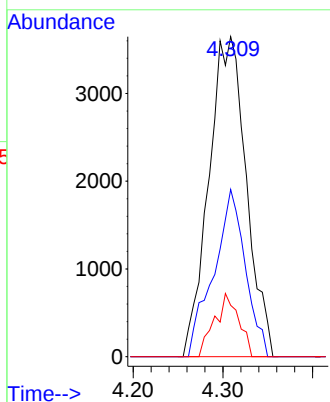
#10  
Methyl Iodide  
Concen: 5.23 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.001 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

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MSVOA\_D  
ClientSampleId :  
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Tgt Ion:142 Resp: 10570

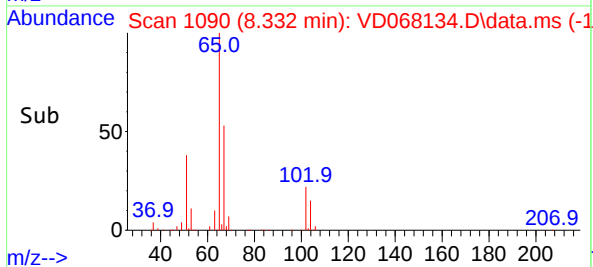
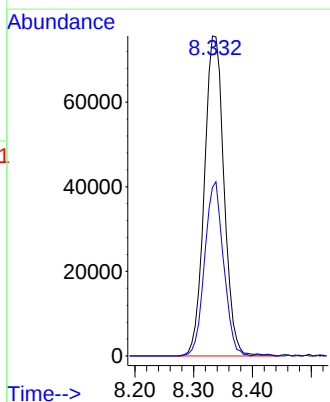
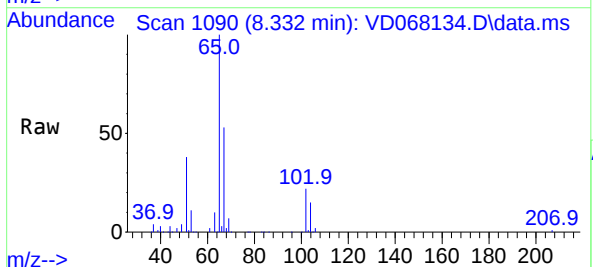
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 44.2  | 37.9  | 56.9  |
| 141 | 12.7  | 11.5  | 17.3  |

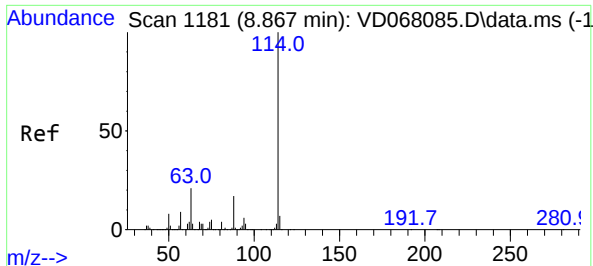


#33  
1,2-Dichloroethane-d4  
Concen: 47.01 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

Tgt Ion: 65 Resp: 175665

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.3  | 0.0   | 105.0 |

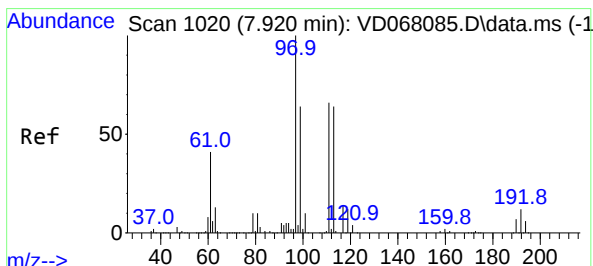
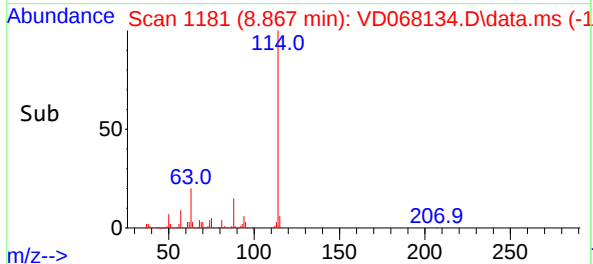
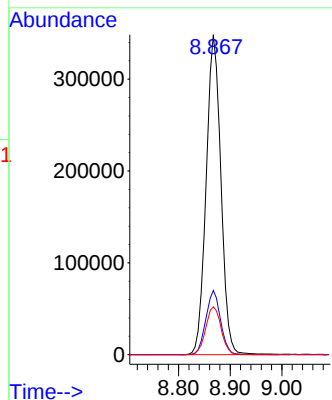
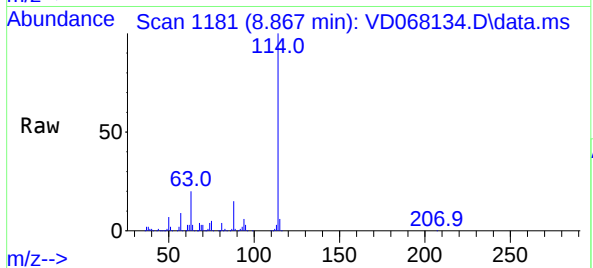




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

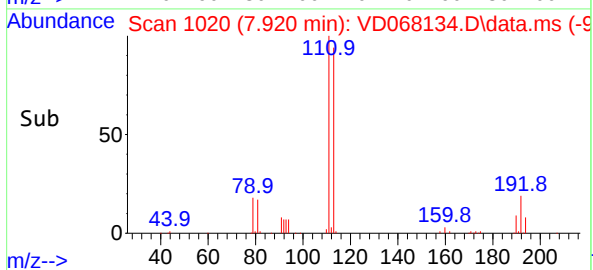
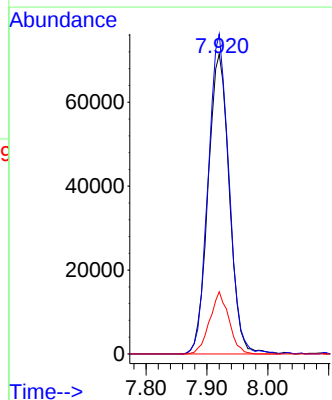
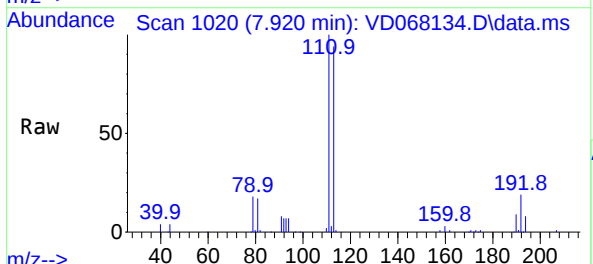
Instrument :  
MSVOA\_D  
ClientSampleId :  
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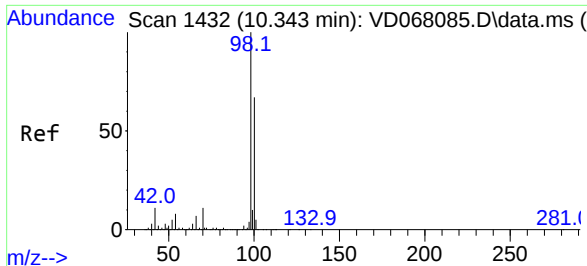
Tgt Ion:114 Resp: 691319  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 34.8  
88 15.0 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 45.33 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

Tgt Ion:113 Resp: 173254  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.4 122.0  
192 18.8 16.1 24.1

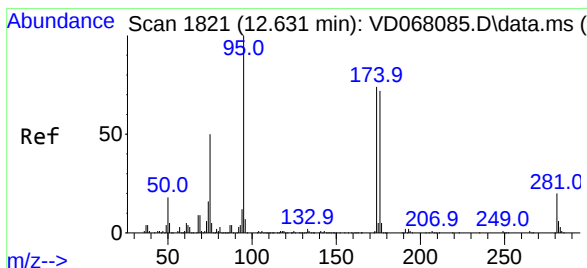
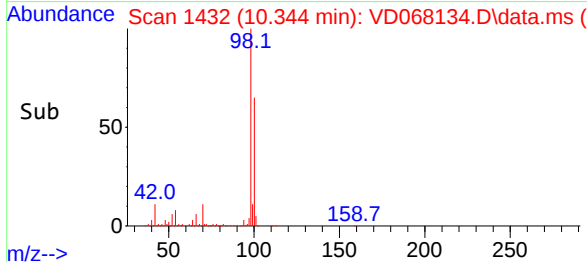
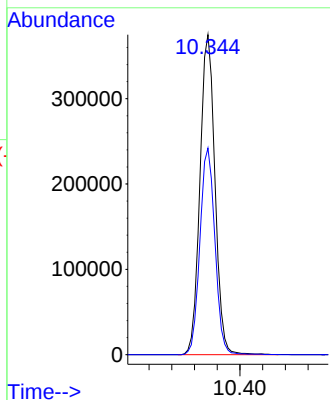
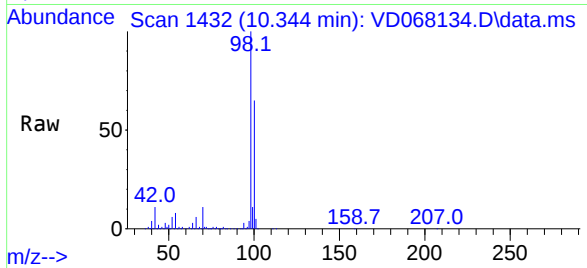




#50  
Toluene-d8  
Concen: 44.93 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

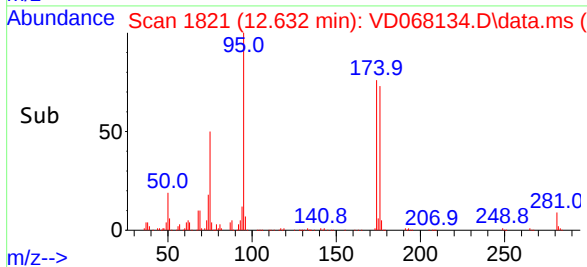
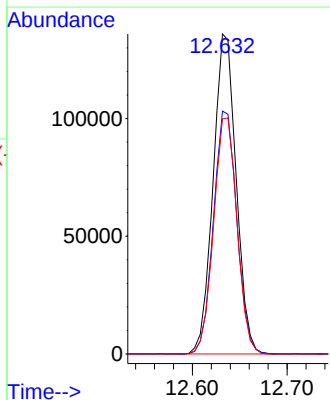
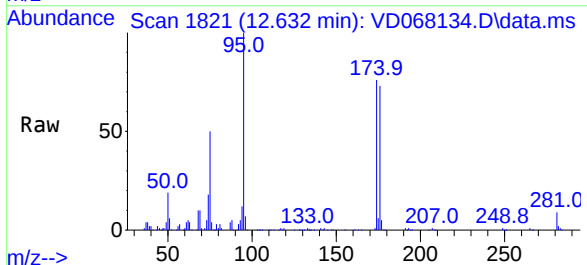
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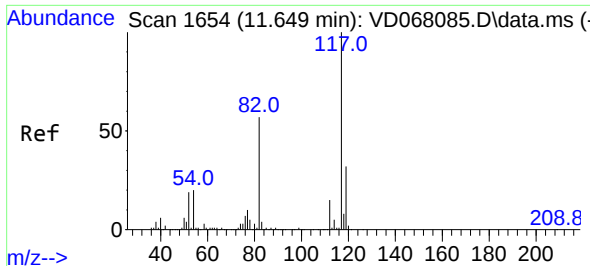
Tgt Ion: 98 Resp: 686867  
Ion Ratio Lower Upper  
98 100  
100 64.6 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 41.75 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

Tgt Ion: 95 Resp: 229848  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 172.4  
176 74.9 0.0 168.4

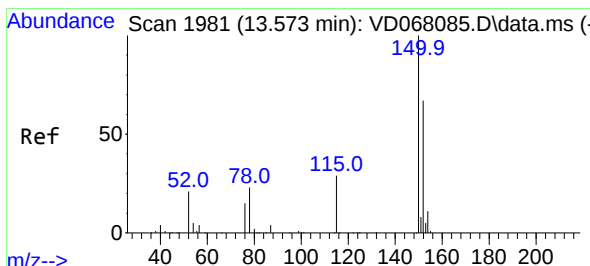
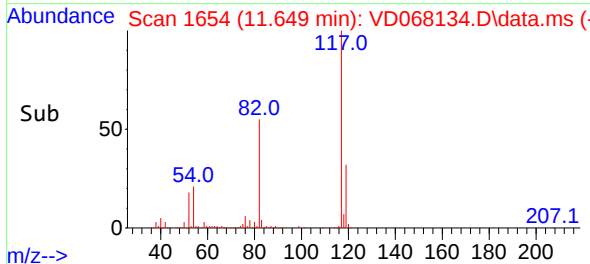
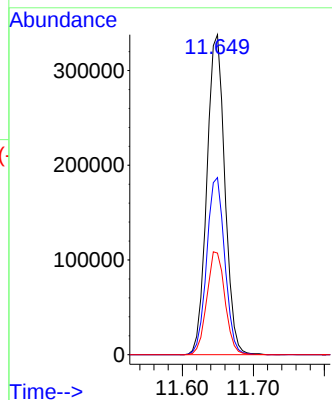
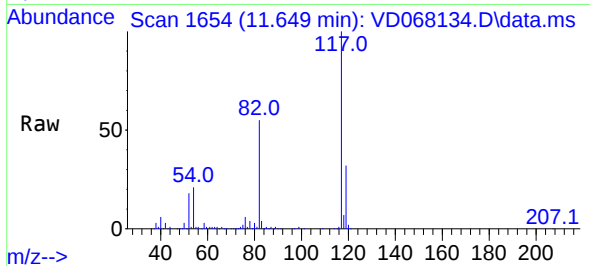




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
TT-037-IDWSO-20210120

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 593868 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.3  | 41.4  | 62.0   |
| 119      | 31.7  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. 0.006 min  
Lab File: VD068134.D  
Acq: 21 Jan 2021 15:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 251899 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.7  | 28.9  | 86.8   |
| 150      | 158.5 | 0.0   | 344.4  |

