

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020421\  
 Data File : VD068292.D  
 Acq On : 04 Feb 2021 22:18  
 Operator : VA/SY  
 Sample : M1314-03  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 30752

Quant Time: Feb 05 00:08:39 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

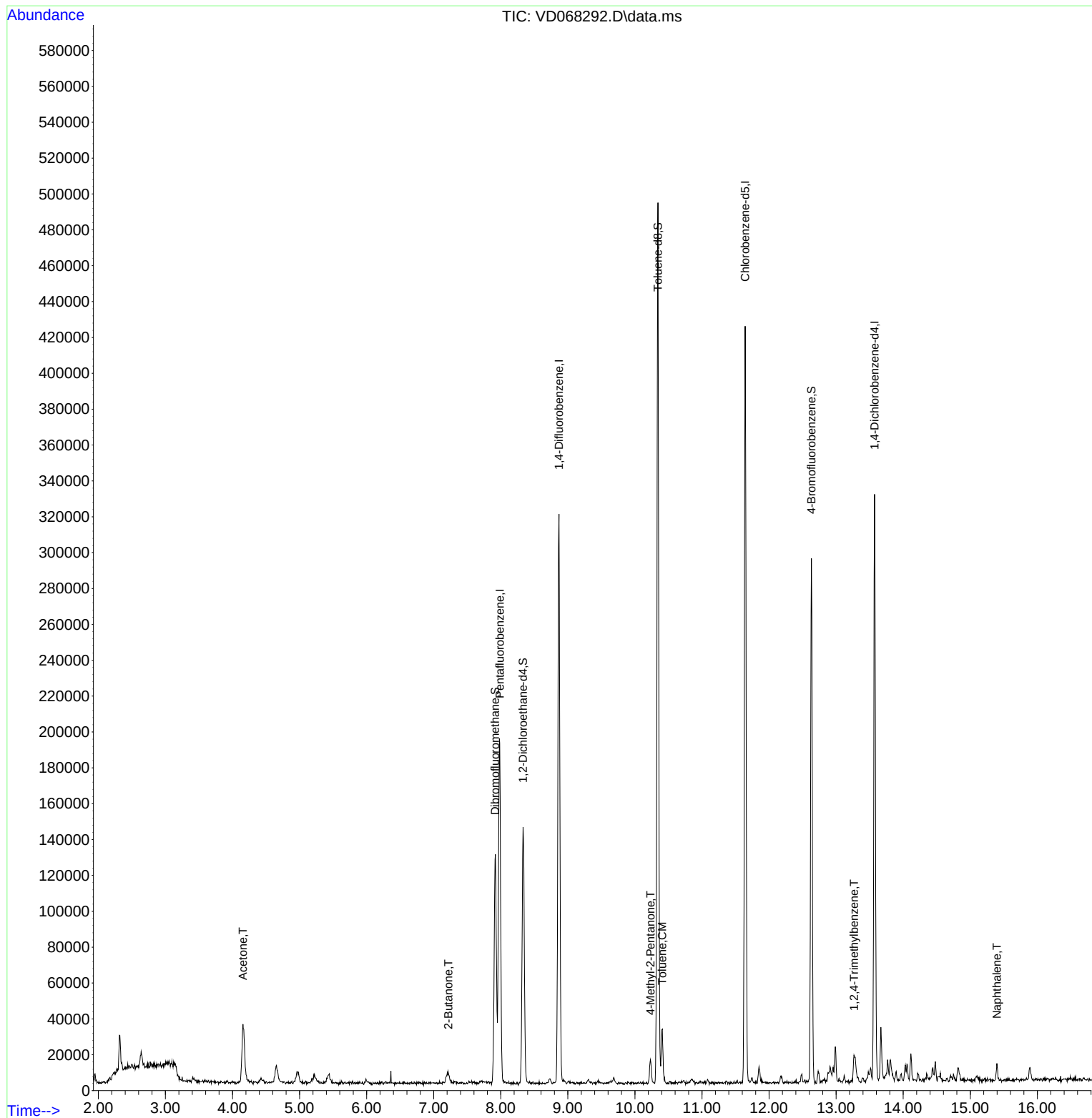
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.985  | 168            | 145194   | 50.00      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114            | 283508   | 50.00      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117            | 249497   | 50.00      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152            | 88825    | 50.00      | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65             | 115672   | 83.28      | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | = 166.56%# |        |          |
| 35) Dibromofluoromethane    | 7.914  | 113            | 92262    | 58.86      | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | = 117.72%  |        |          |
| 50) Toluene-d8              | 10.344 | 98             | 342123   | 54.57      | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | = 109.14%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.632 | 95             | 103077   | 45.65      | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | = 91.30%   |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            |        | Qvalue   |
| 16) Acetone                 | 4.156  | 43             | 56898    | 229.43     | ug/l   | 99       |
| 25) 2-Butanone              | 7.220  | 43             | 6810     | 18.24      | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone    | 10.232 | 43             | 9490     | 9.69       | ug/l   | 90       |
| 52) Toluene                 | 10.408 | 92             | 12069    | 2.32       | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene  | 13.267 | 105            | 8567     | 1.40       | ug/l   | 91       |
| 95) Naphthalene             | 15.396 | 128            | 7700     | 2.30       | ug/l # | 93       |
| -----                       |        |                |          |            |        |          |

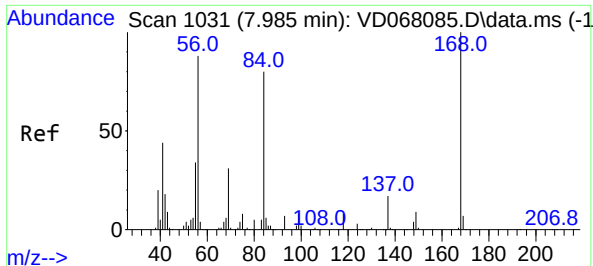
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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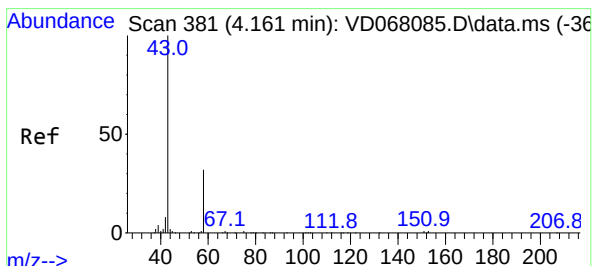
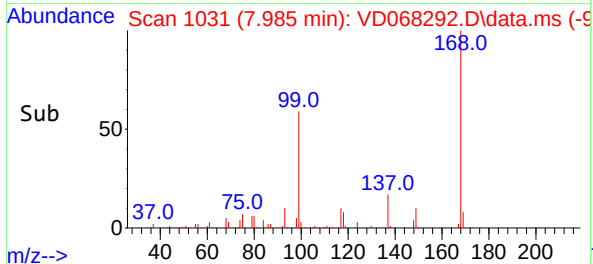
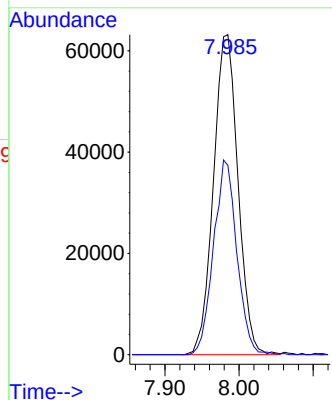
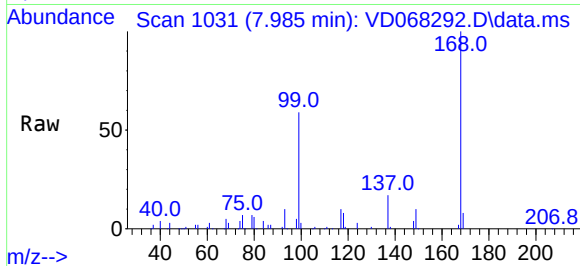




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

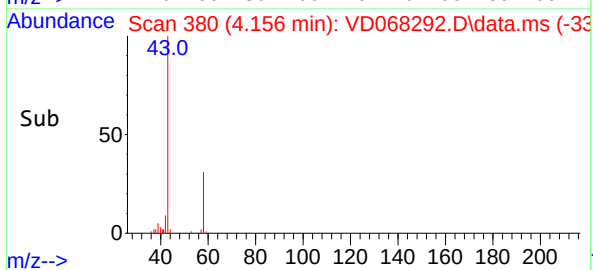
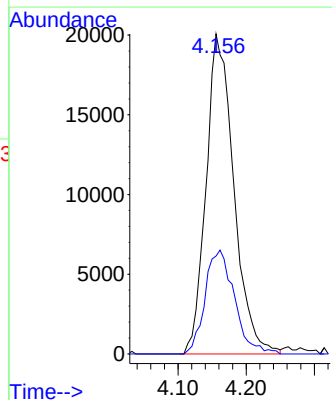
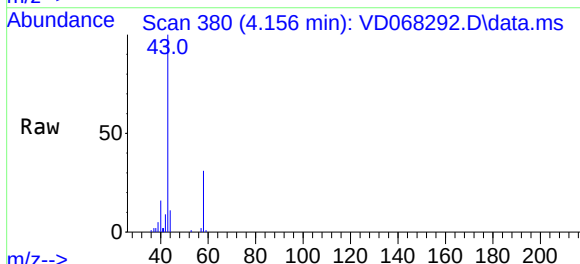
Instrument :  
MSVOA\_D  
ClientSampled :  
30752

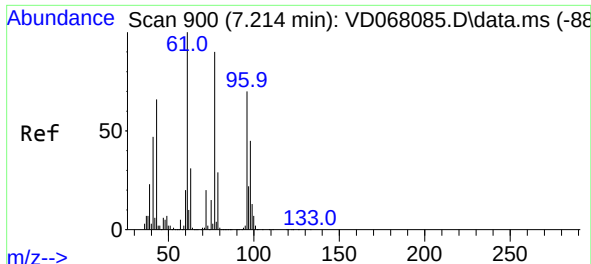
Tgt Ion:168 Resp: 145194  
Ion Ratio Lower Upper  
168 100  
99 59.1 43.5 65.3



#16  
Acetone  
Concen: 229.43 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Tgt Ion: 43 Resp: 56898  
Ion Ratio Lower Upper  
43 100  
58 30.6 24.2 36.4

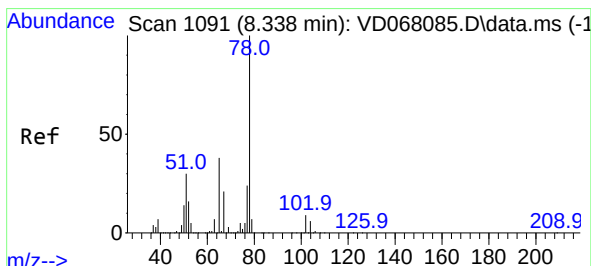
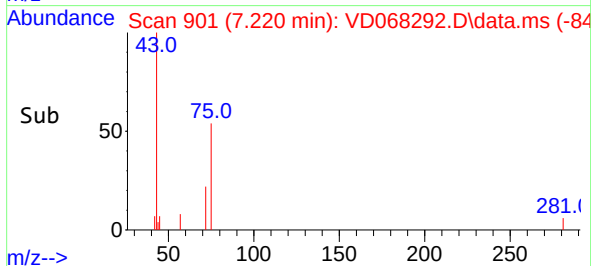
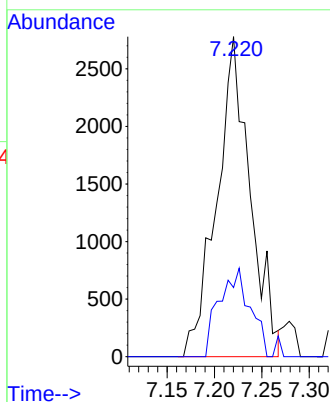
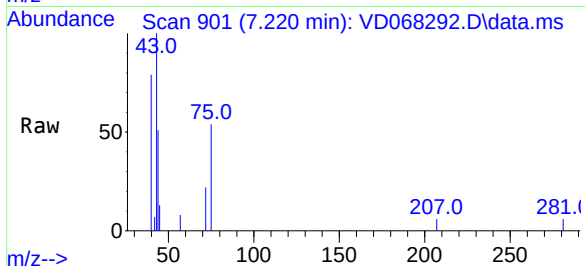




#25  
2-Butanone  
Concen: 18.24 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

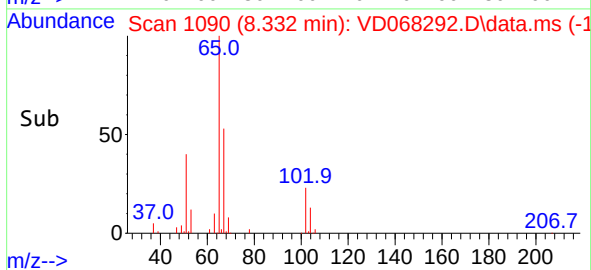
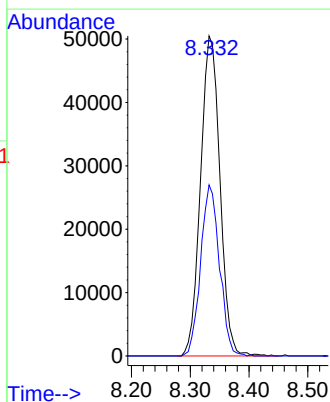
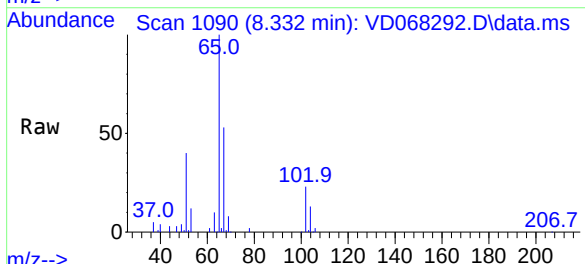
Instrument :  
MSVOA\_D  
ClientSampled :  
30752

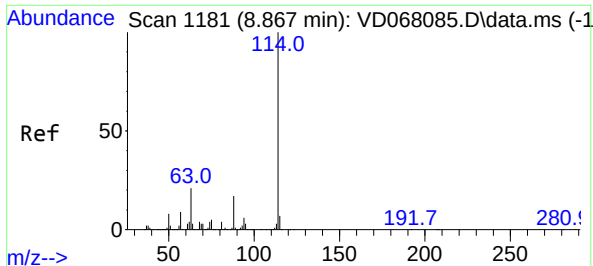
Tgt Ion: 43 Resp: 6810  
Ion Ratio Lower Upper  
43 100  
72 21.6 25.1 37.7#



#33  
1,2-Dichloroethane-d4  
Concen: 83.28 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Tgt Ion: 65 Resp: 115672  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 105.0



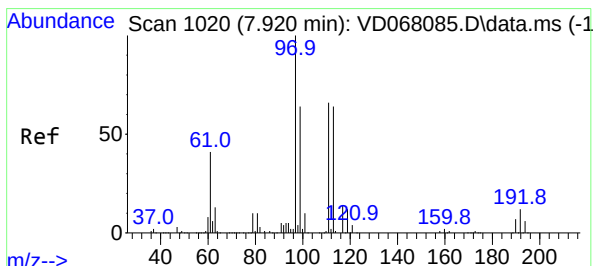
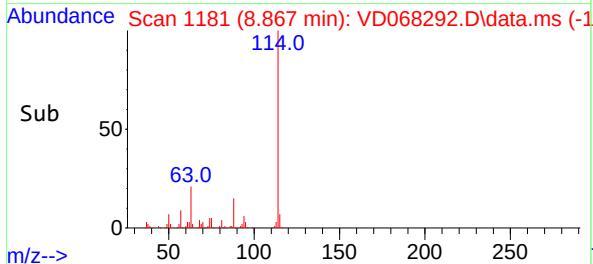
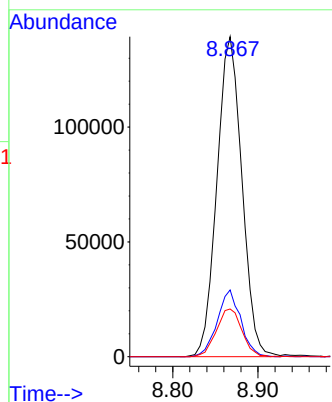
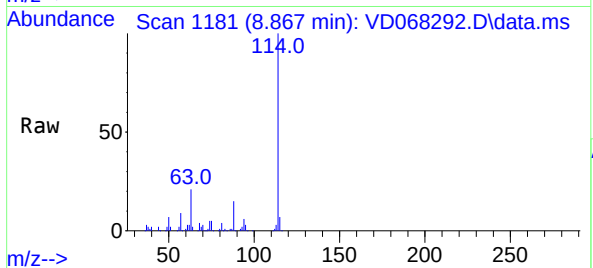


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Instrument :  
MSVOA\_D  
ClientSampled :  
30752

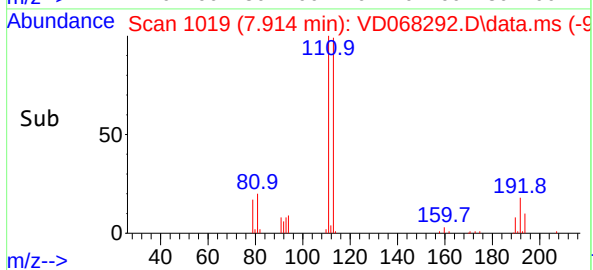
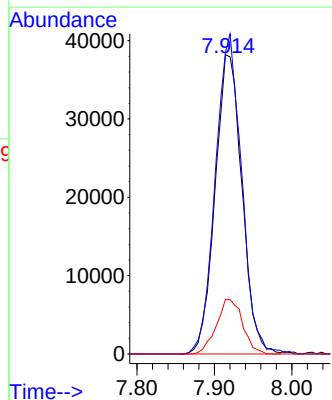
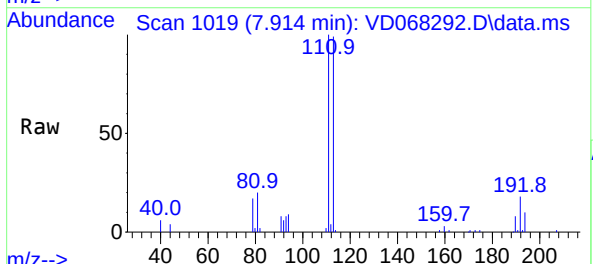
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 283508   |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 20.9  | 0.0 34.8 |
| 88          | 14.9  | 0.0 31.6 |

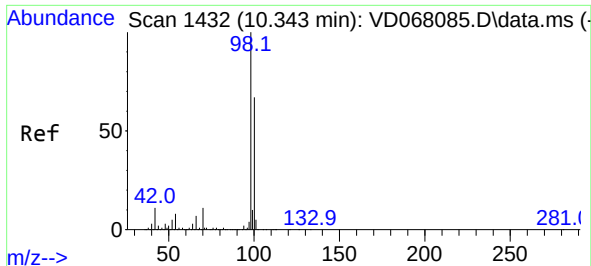


#35

Dibromofluoromethane  
Concen: 58.86 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 92262      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 104.4 | 81.4 122.0 |
| 192         | 17.7  | 16.1 24.1  |

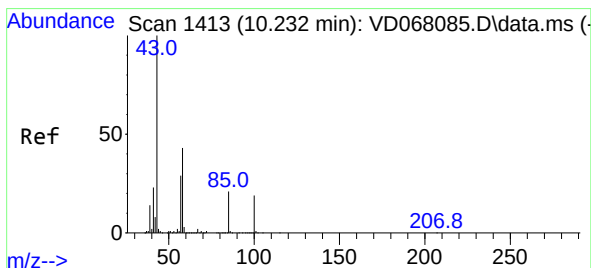
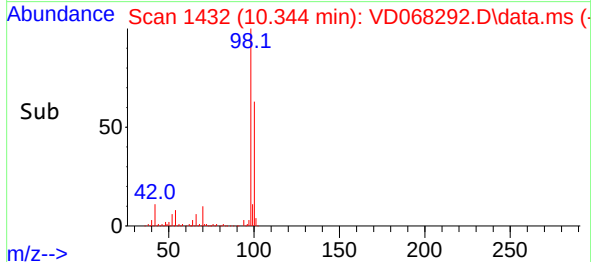
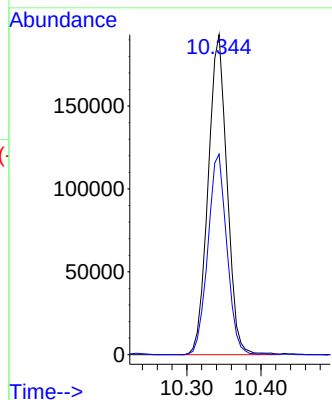
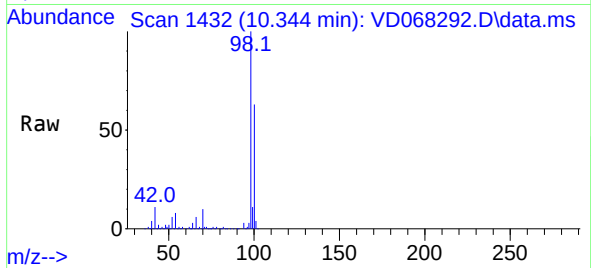




#50  
Toluene-d8  
Concen: 54.57 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

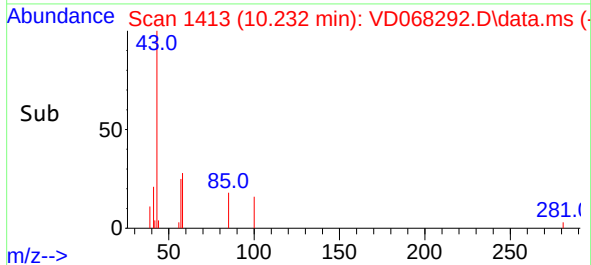
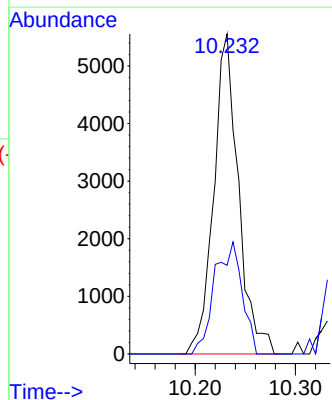
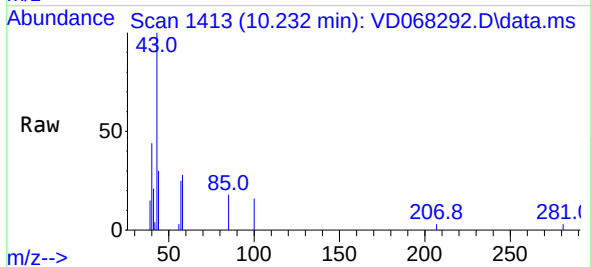
Instrument :  
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ClientSampleId :  
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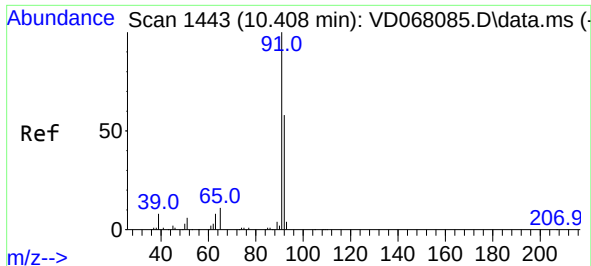
Tgt Ion: 98 Resp: 342123  
Ion Ratio Lower Upper  
98 100  
100 62.9 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 9.69 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Tgt Ion: 43 Resp: 9490  
Ion Ratio Lower Upper  
43 100  
58 38.9 36.1 54.1

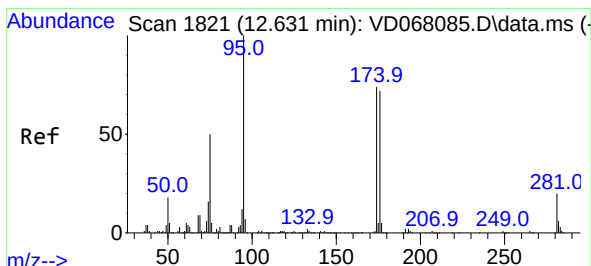
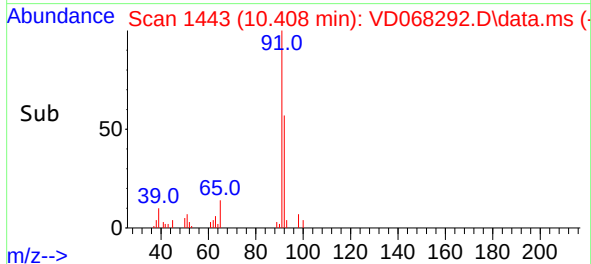
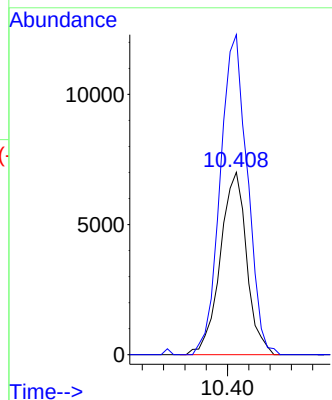
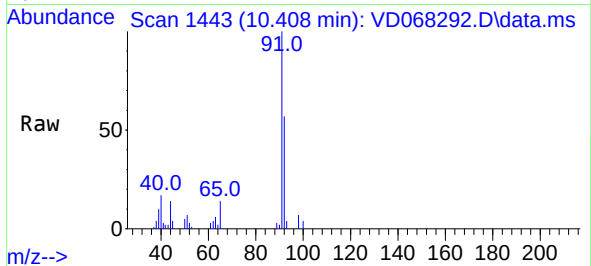




#52  
Toluene  
Concen: 2.32 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

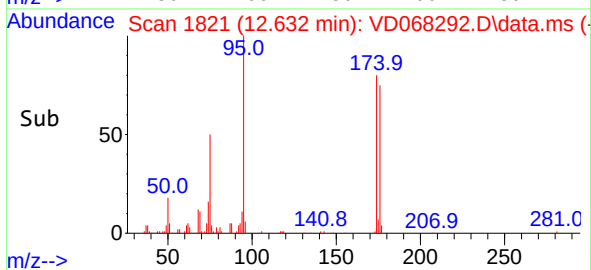
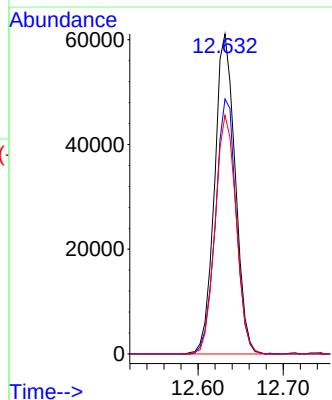
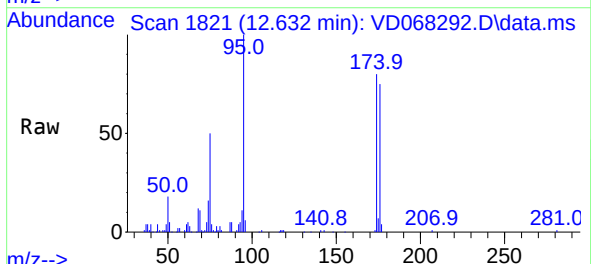
Instrument :  
MSVOA\_D  
ClientSampleId :  
30752

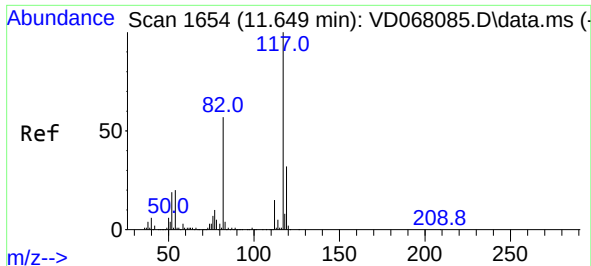
Tgt Ion: 92 Resp: 12069  
Ion Ratio Lower Upper  
92 100  
91 179.9 134.1 201.1



#62  
4-Bromofluorobenzene  
Concen: 45.65 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Tgt Ion: 95 Resp: 103077  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 172.4  
176 75.8 0.0 168.4

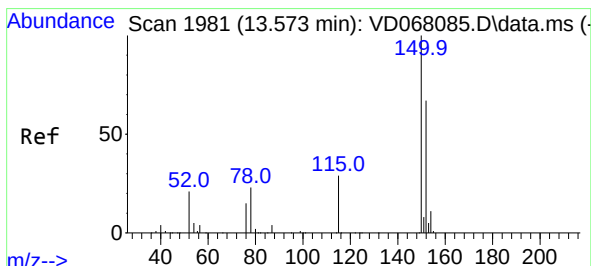
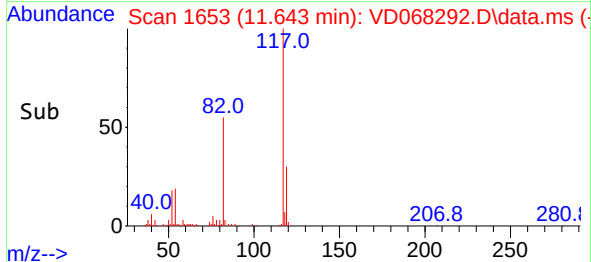
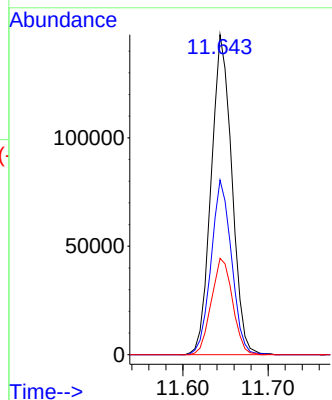
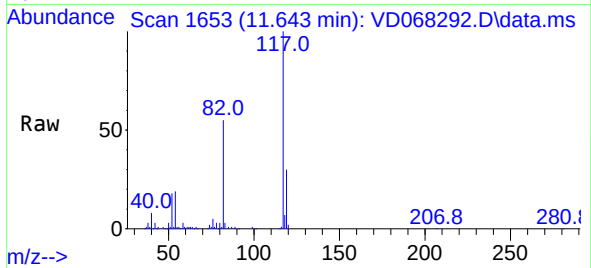




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

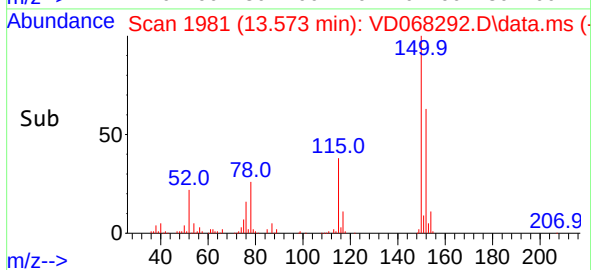
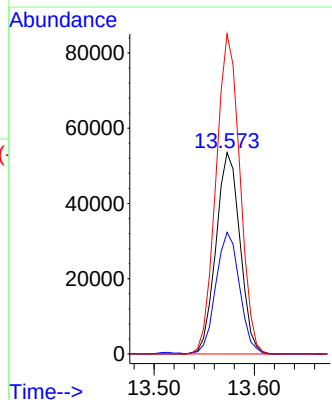
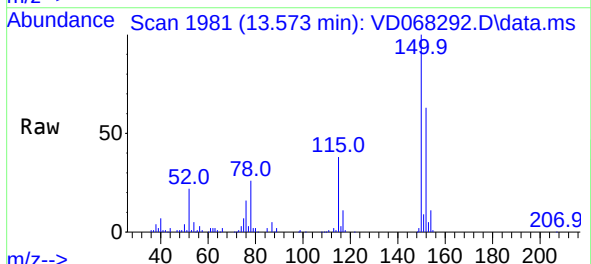
Instrument :  
MSVOA\_D  
ClientSampleId :  
30752

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 249497 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.5  | 41.4  | 62.0   |
| 119      | 30.1  | 26.1  | 39.1   |

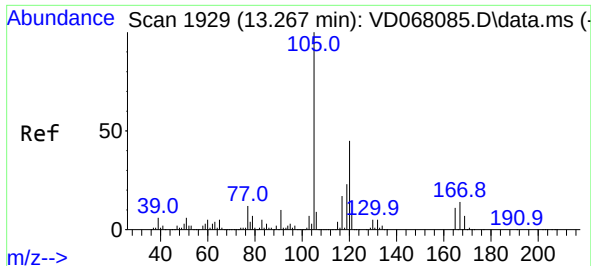


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 88825 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 59.9  | 28.9  | 86.8  |
| 150      | 158.2 | 0.0   | 344.4 |



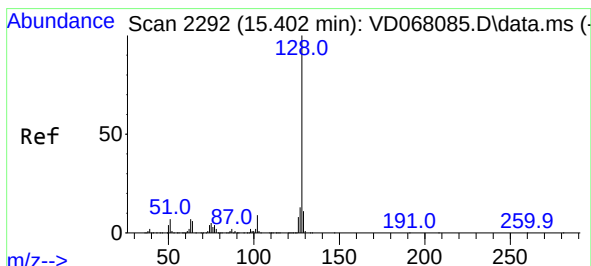
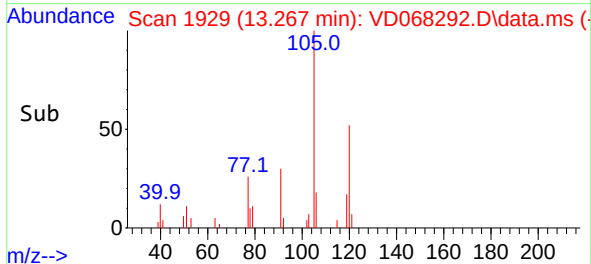
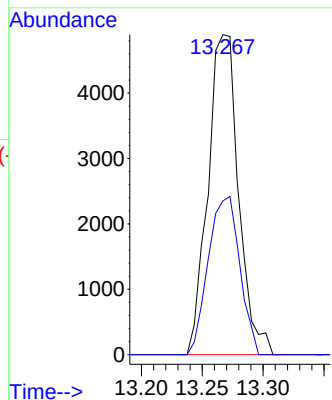
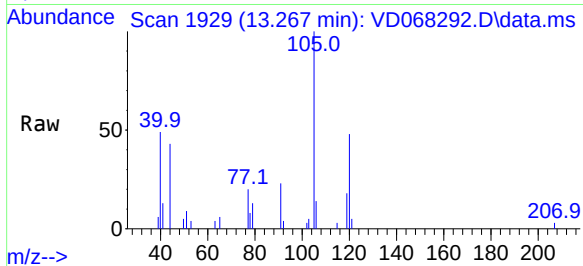




#84  
1,2,4-Trimethylbenzene  
Concen: 1.40 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Instrument :  
MSVOA\_D  
ClientSampled :  
30752

Tgt Ion:105 Resp: 8567  
Ion Ratio Lower Upper  
105 100  
120 50.7 22.4 67.0



#95  
Naphthalene  
Concen: 2.30 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. -0.006 min  
Lab File: VD068292.D  
Acq: 04 Feb 2021 22:18

Tgt Ion:128 Resp: 7700  
Ion Ratio Lower Upper  
128 100  
127 14.2 10.2 15.2  
129 6.7 8.8 13.2#

