

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092221\  
 Data File : VD070425.D  
 Acq On : 22 Sep 2021 14:29  
 Operator : VA/SY  
 Sample : M3867-01  
 Misc : 7.33G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1-(8.0-9.0)

Quant Time: Sep 23 05:32:14 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

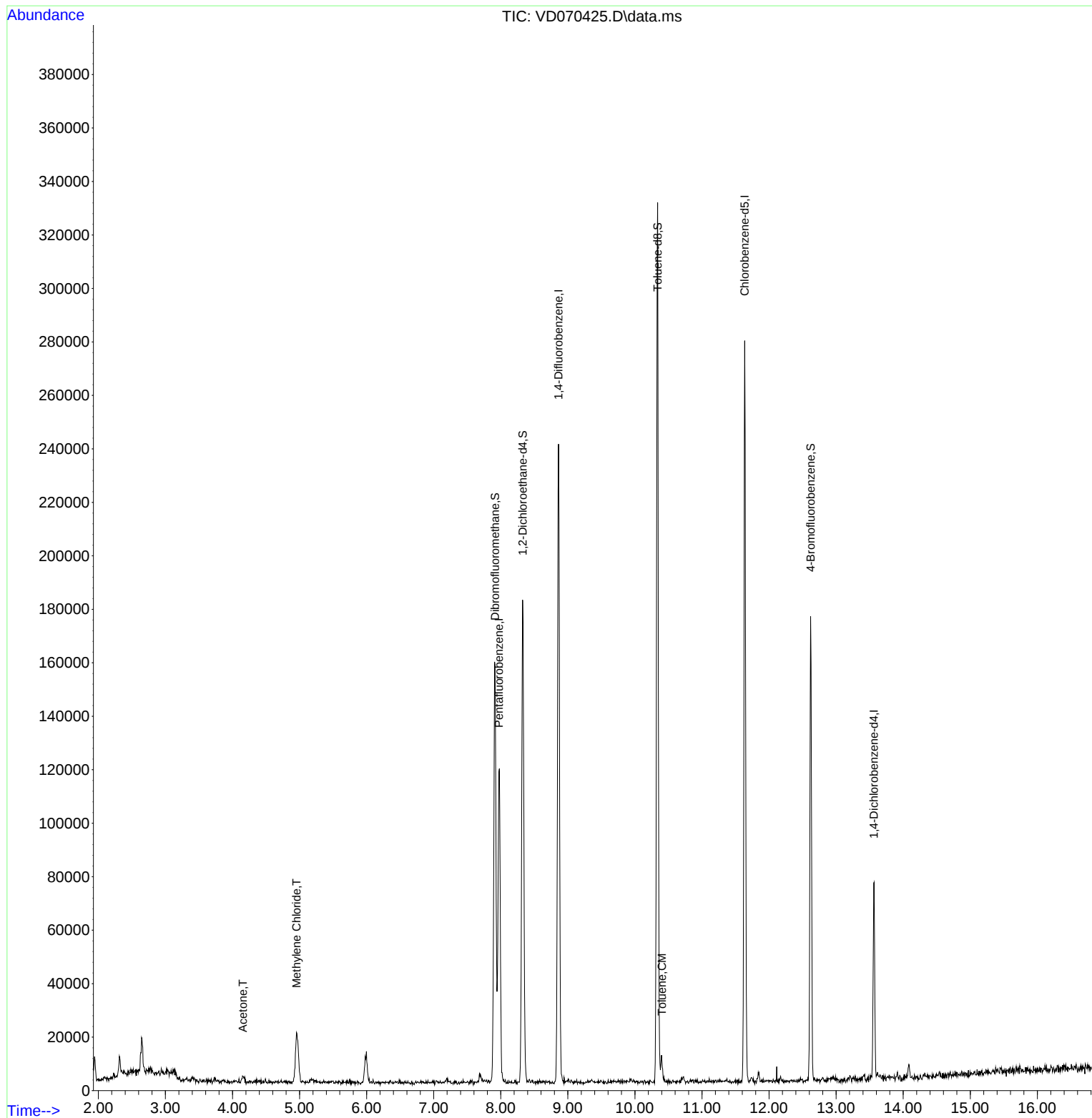
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 85478    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 207230   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 164606   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 20266    | 50.000   | ug/l        | 0.00     |
|                             |        |       |          |          |             |          |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 141062   | 128.524  | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 257.040%# |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 115864   | 78.547   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 157.100%# |          |
| 50) Toluene-d8              | 10.338 | 98    | 231385   | 43.204   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 86.400%   |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 37518    | 20.044   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 40.080%   |          |
|                             |        |       |          |          |             |          |
| Target Compounds            |        |       |          |          | Qvalue      |          |
| 16) Acetone                 | 4.156  | 43    | 3562     | 18.178   | ug/l #      | 85       |
| 20) Methylene Chloride      | 4.956  | 84    | 15329    | 6.188    | ug/l #      | 90       |
| 52) Toluene                 | 10.402 | 92    | 4046     | 1.032    | ug/l        | 98       |
| -----                       |        |       |          |          |             |          |

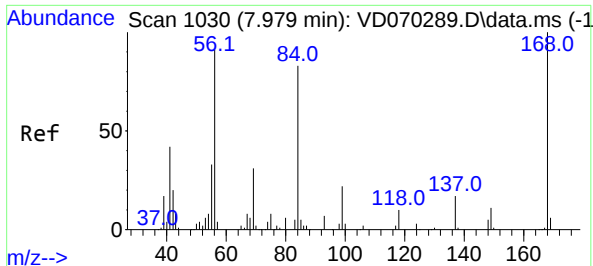
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

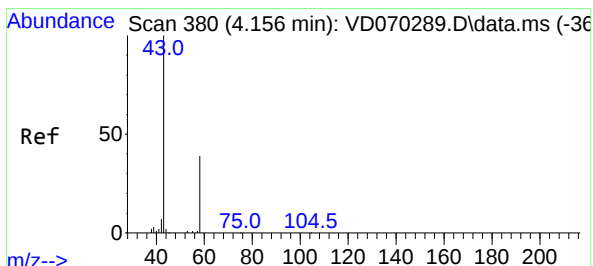
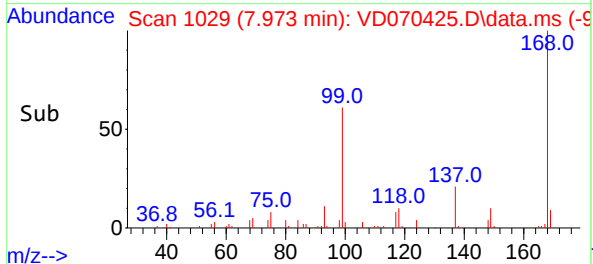
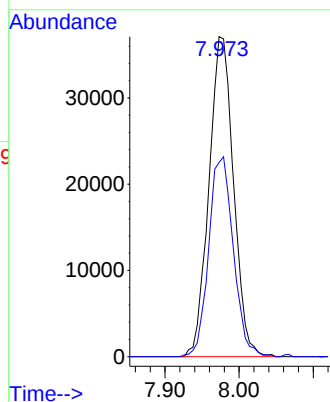
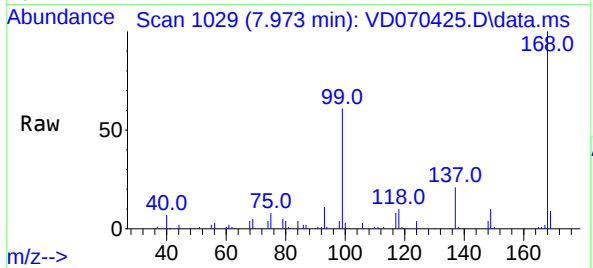




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

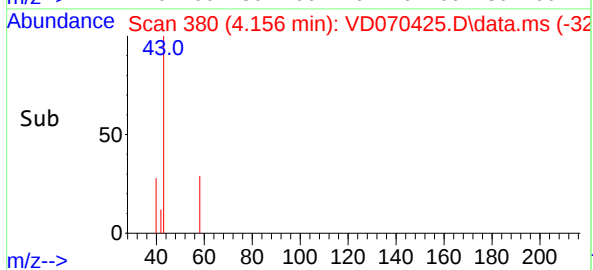
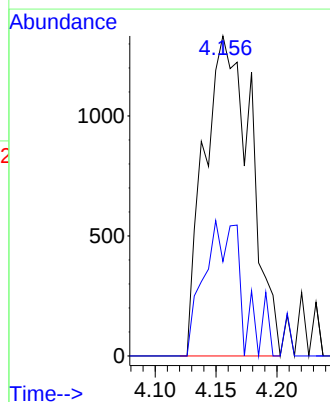
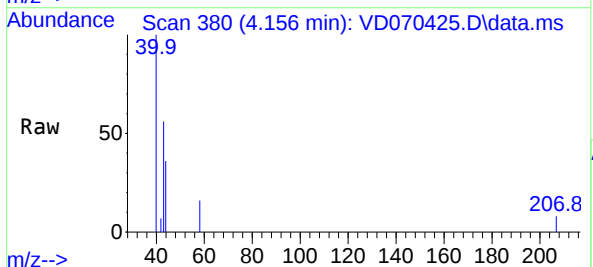
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)

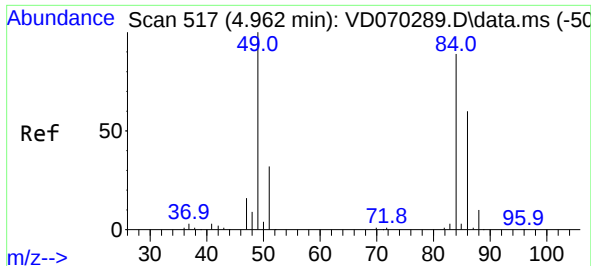
Tgt Ion:168 Resp: 85478  
Ion Ratio Lower Upper  
168 100  
99 60.7 50.8 76.2



#16  
Acetone  
Concen: 18.178 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Tgt Ion: 43 Resp: 3562  
Ion Ratio Lower Upper  
43 100  
58 29.5 30.9 46.3#



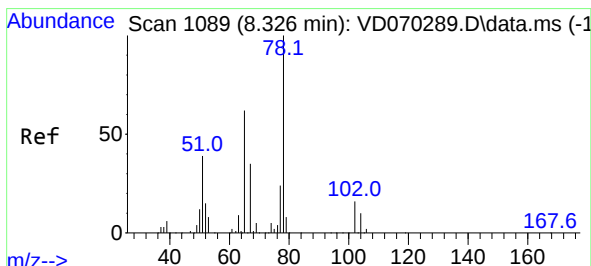
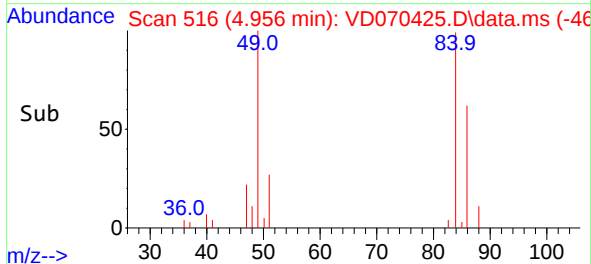
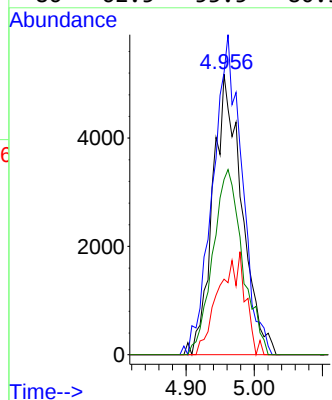
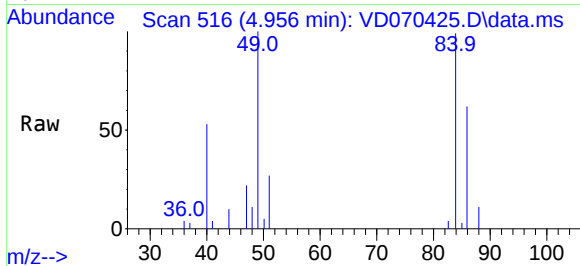


#20  
Methylene Chloride  
Concen: 6.188 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)

Tgt Ion: 84 Resp: 15329

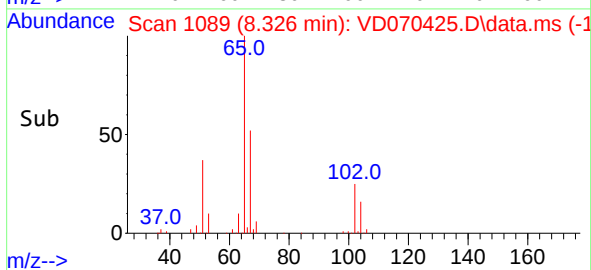
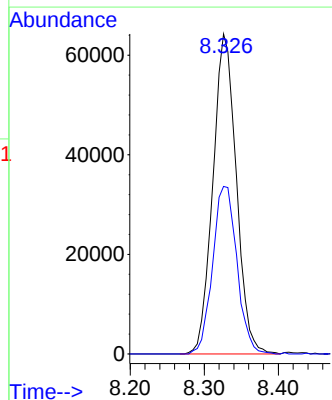
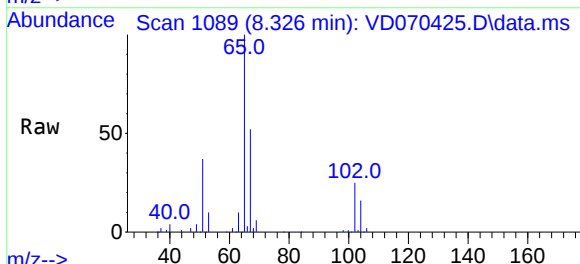
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 100.5 | 89.6  | 134.4 |
| 51  | 26.9  | 28.6  | 43.0# |
| 86  | 62.5  | 53.5  | 80.3  |

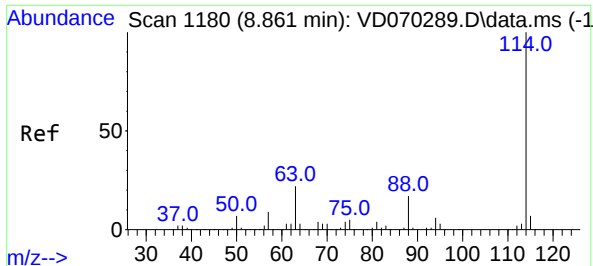


#33  
1,2-Dichloroethane-d4  
Concen: 128.524 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Tgt Ion: 65 Resp: 141062

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.3  | 0.0   | 111.4 |



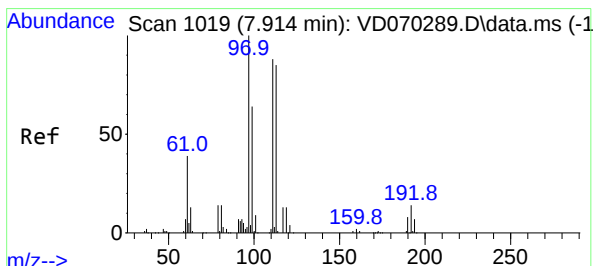
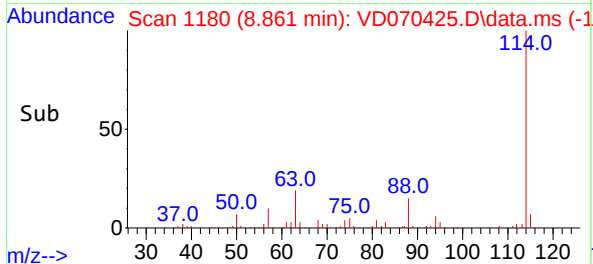
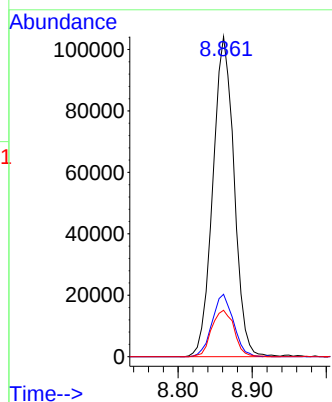
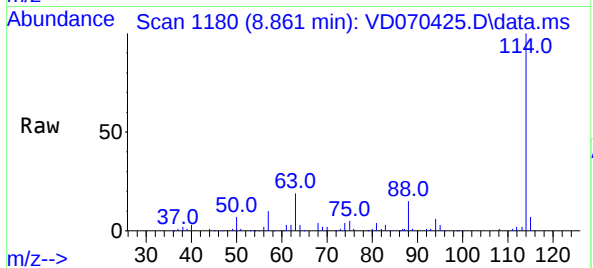


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)

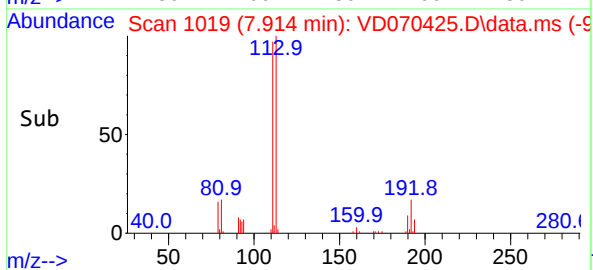
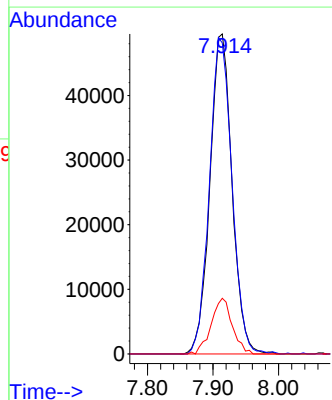
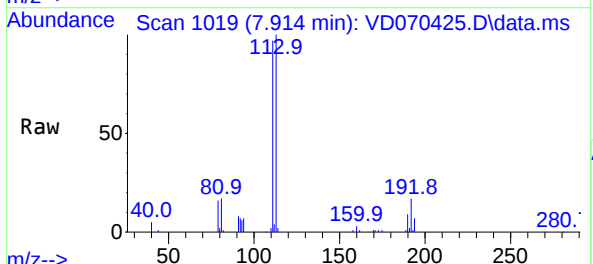
Tgt Ion:114 Resp: 207230  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 43.4  
88 14.5 0.0 33.4

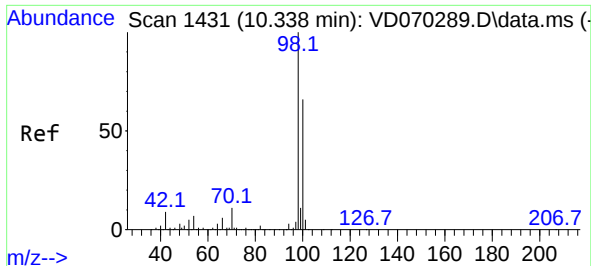


#35

Dibromofluoromethane  
Concen: 78.547 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Tgt Ion:113 Resp: 115864  
Ion Ratio Lower Upper  
113 100  
111 100.9 81.4 122.2  
192 16.6 13.0 19.6

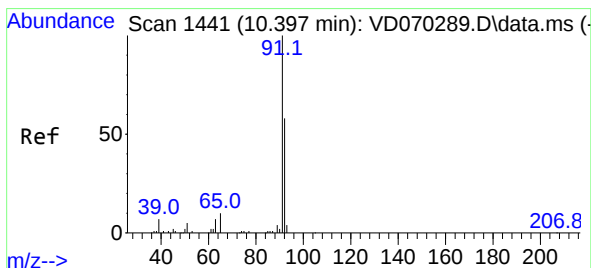
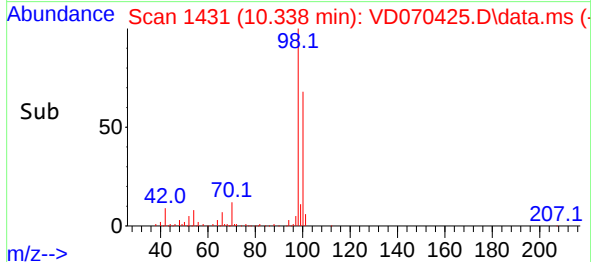
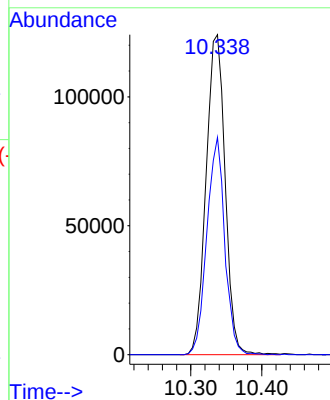
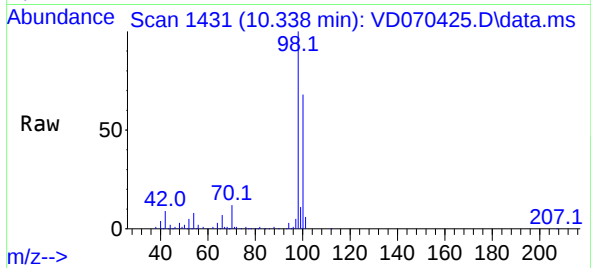




#50  
Toluene-d8  
Concen: 43.204 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

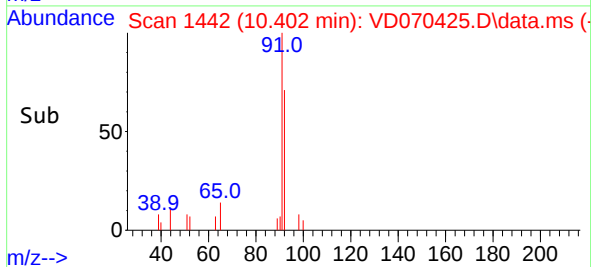
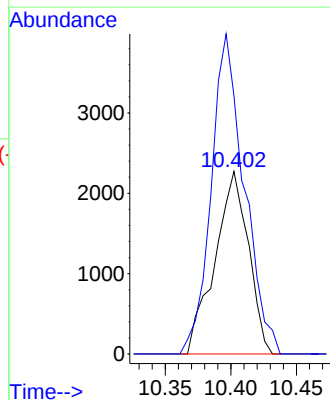
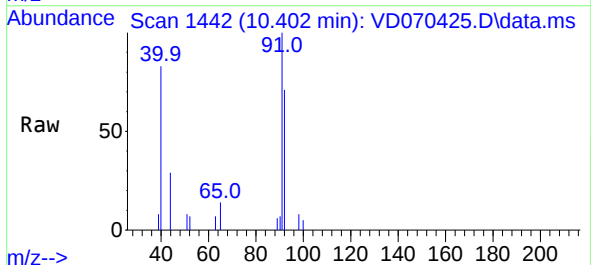
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)

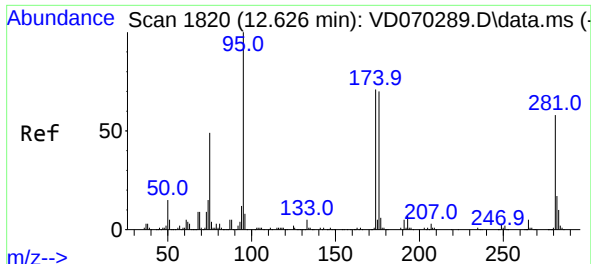
Tgt Ion: 98 Resp: 231385  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.0 78.0



#52  
Toluene  
Concen: 1.032 ug/l  
RT: 10.402 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Tgt Ion: 92 Resp: 4046  
Ion Ratio Lower Upper  
92 100  
91 172.3 136.2 204.2

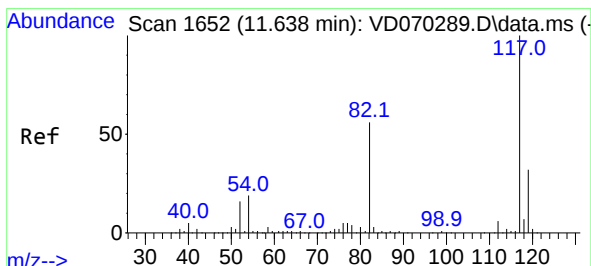
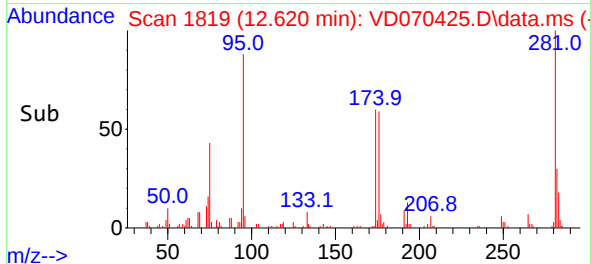
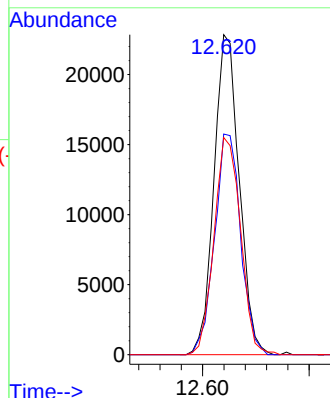
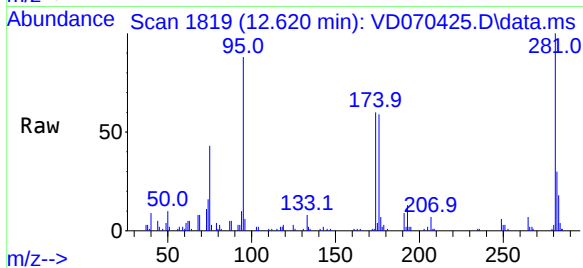




#62  
4-Bromofluorobenzene  
Concen: 20.044 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

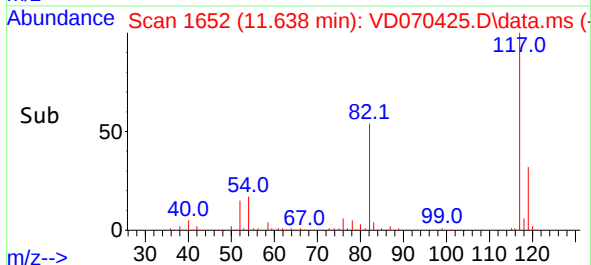
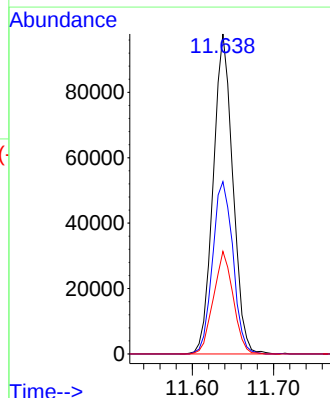
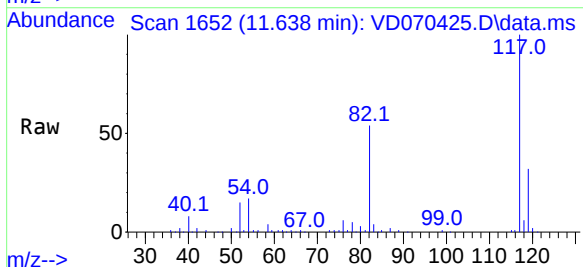
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)

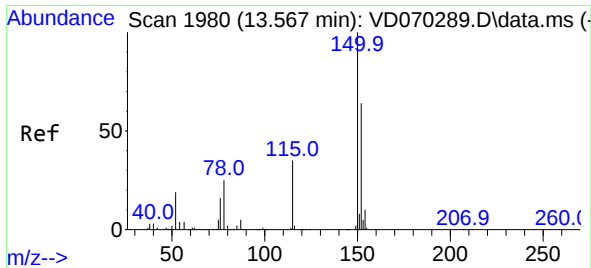
Tgt Ion: 95 Resp: 37518  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 140.6  
176 71.3 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

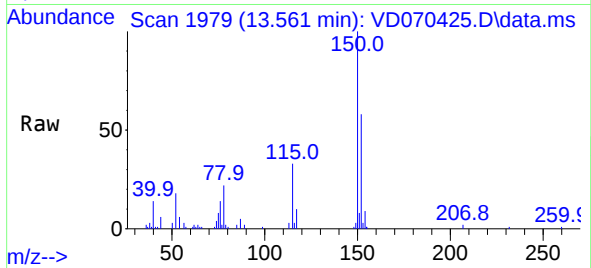
Tgt Ion: 117 Resp: 164606  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.0 67.4  
119 32.0 25.2 37.8





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070425.D  
Acq: 22 Sep 2021 14:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1-(8.0-9.0)



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 20266 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 62.9  | 32.1  | 96.3  |
| 150      | 155.9 | 0.0   | 350.6 |

