

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042121\  
 Data File : VD068938.D  
 Acq On : 21 Apr 2021 20:33  
 Operator : VA/SY  
 Sample : M2106-21  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-28-9.5-10.0

Quant Time: Apr 22 10:24:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

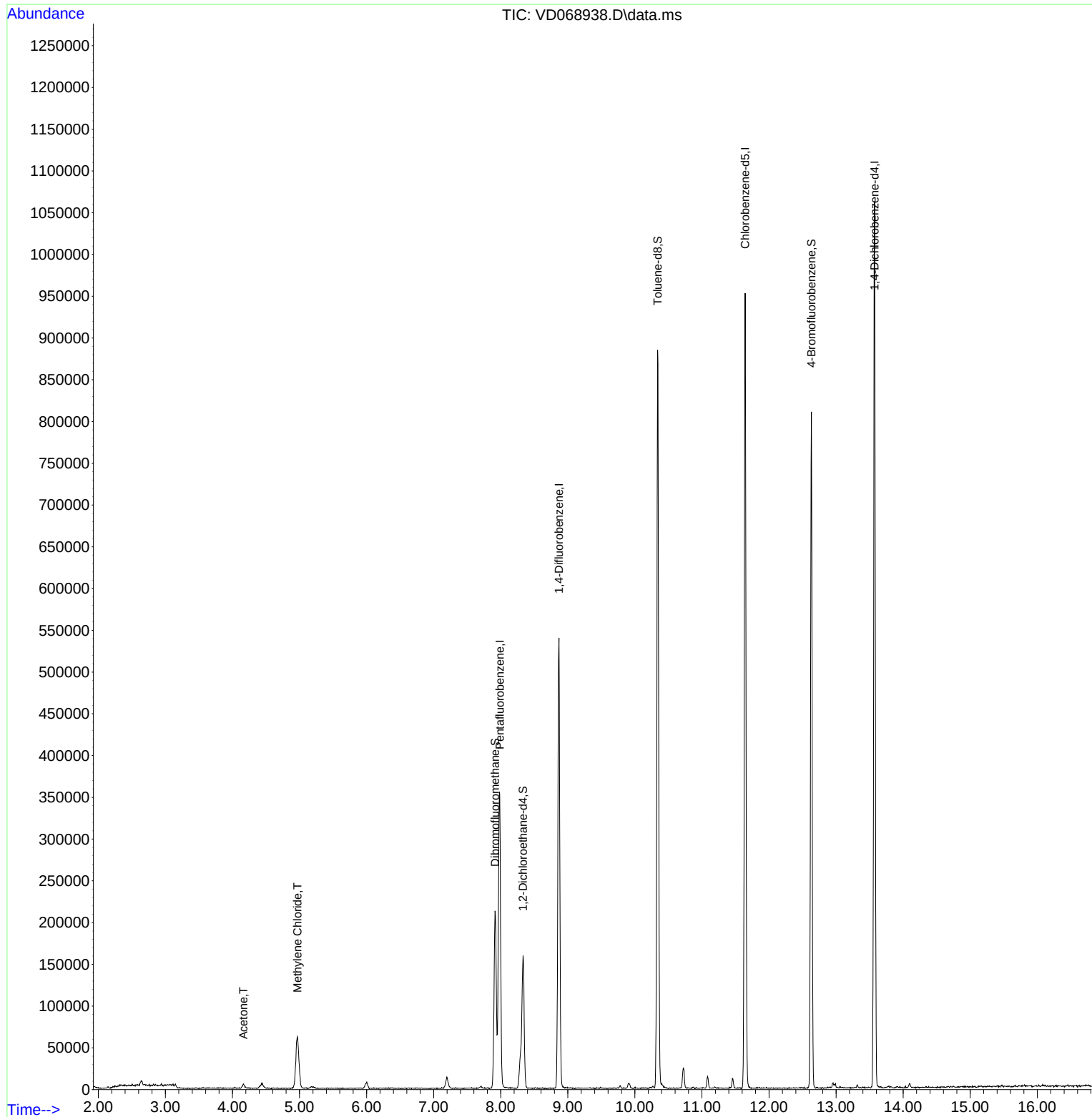
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 7.985          | 168  | 283403     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867          | 114  | 486867     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.644         | 117  | 575300     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573         | 152  | 289054     | 50.00   | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332          | 65   | 124177     | 41.46   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 82.92%  |        |          |
| 35) Dibromofluoromethane    | 7.914          | 113  | 152081     | 48.02   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 96.04%  |        |          |
| 50) Toluene-d8              | 10.338         | 98   | 623306     | 52.18   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 104.36% |        |          |
| 62) 4-Bromofluorobenzene    | 12.632         | 95   | 249056     | 62.77   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 125.54% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         | Qvalue |          |
| 16) Acetone                 | 4.162          | 43   | 7546       | 18.19   | ug/l   | 100      |
| 20) Methylene Chloride      | 4.967          | 84   | 55898      | 13.09   | ug/l   | 97       |
| -----                       |                |      |            |         |        |          |

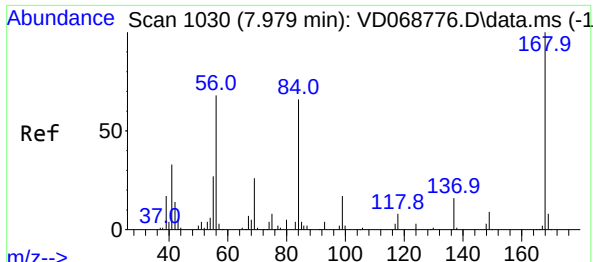
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

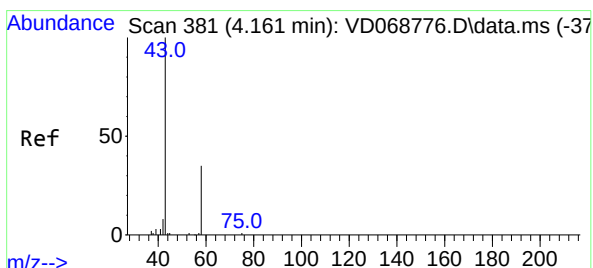
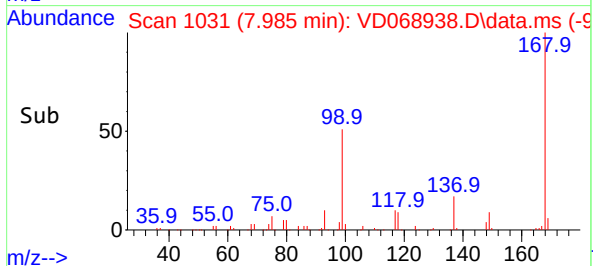
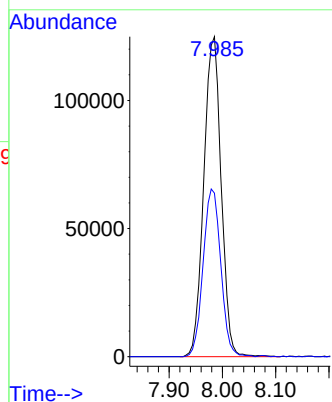
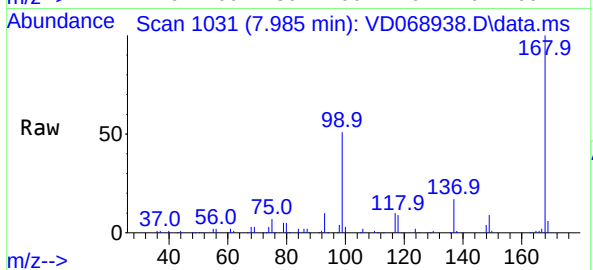




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

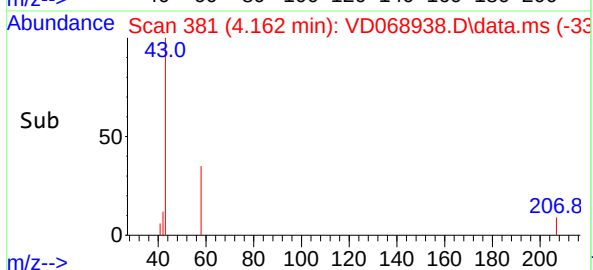
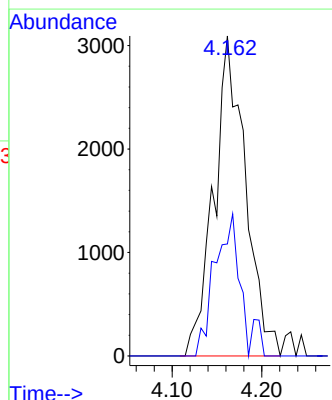
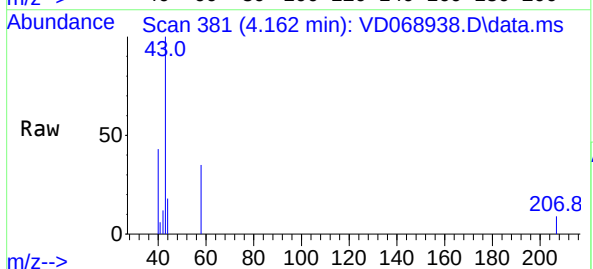
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-28-9.5-10.0

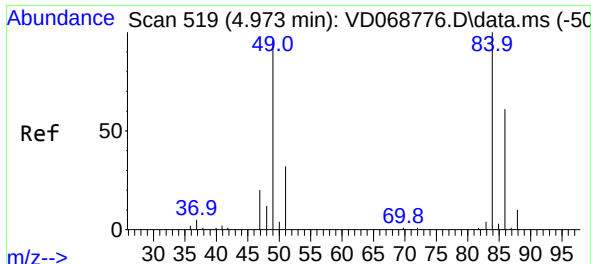
Tgt Ion:168 Resp: 283403  
Ion Ratio Lower Upper  
168 100  
99 51.1 46.2 69.2



#16  
Acetone  
Concen: 18.19 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Tgt Ion: 43 Resp: 7546  
Ion Ratio Lower Upper  
43 100  
58 35.0 28.0 42.0



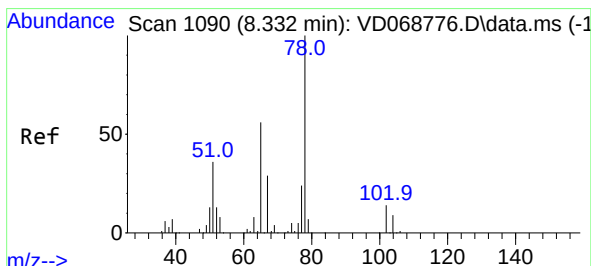
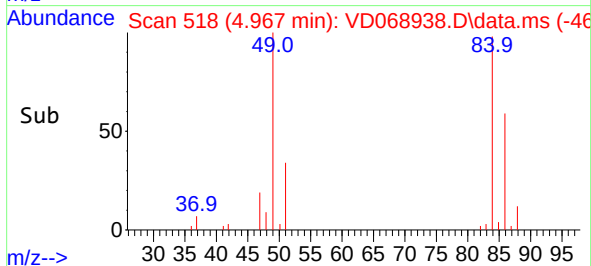
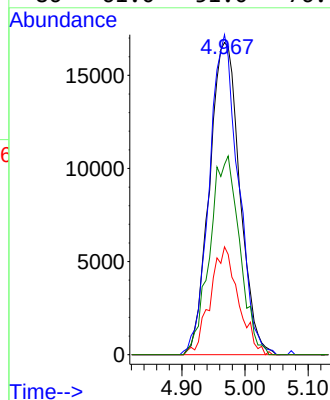
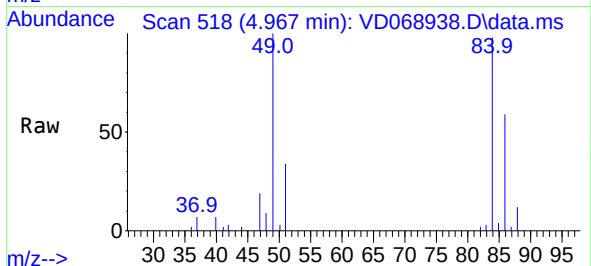


#20  
Methylene Chloride  
Concen: 13.09 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-28-9.5-10.0

Tgt Ion: 84 Resp: 55898

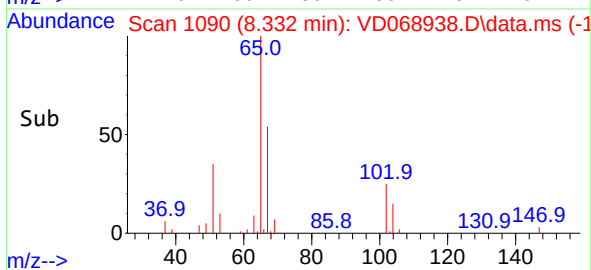
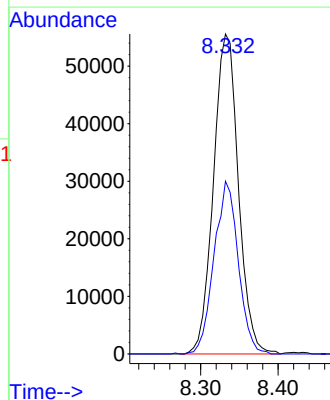
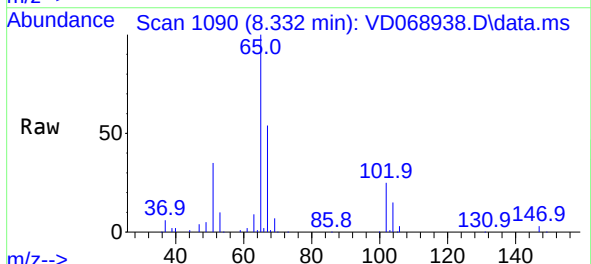
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 102.5 | 83.4  | 125.0 |
| 51  | 34.6  | 23.4  | 35.2  |
| 86  | 61.0  | 51.0  | 76.4  |

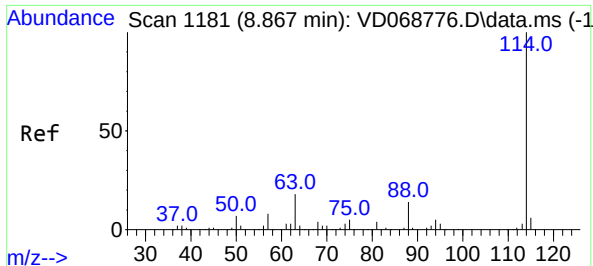


#33  
1,2-Dichloroethane-d4  
Concen: 41.46 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Tgt Ion: 65 Resp: 124177

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.4  | 0.0   | 106.0 |

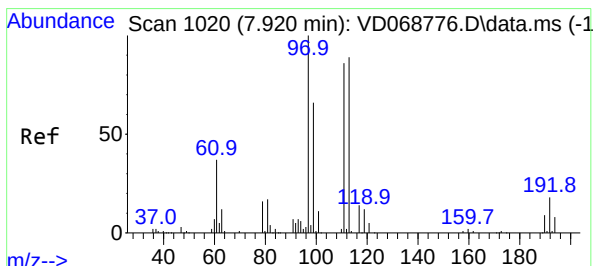
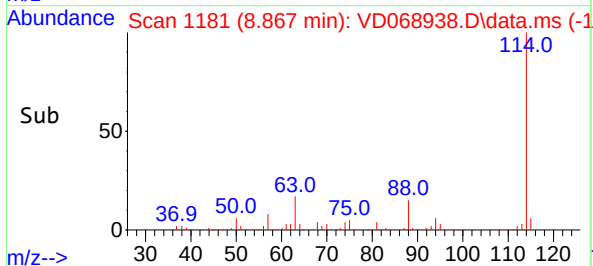
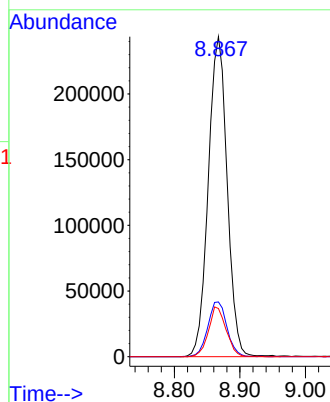
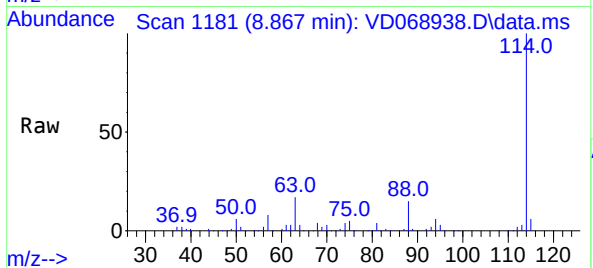




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

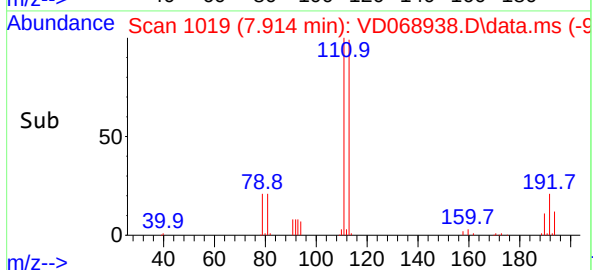
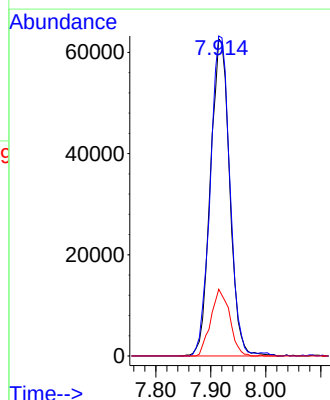
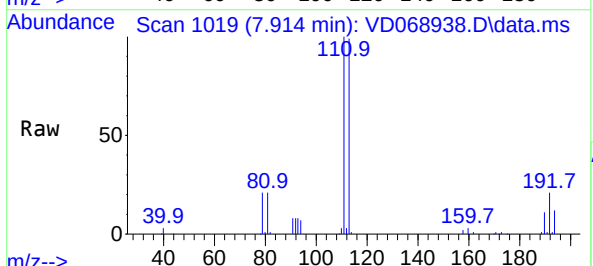
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-28-9.5-10.0

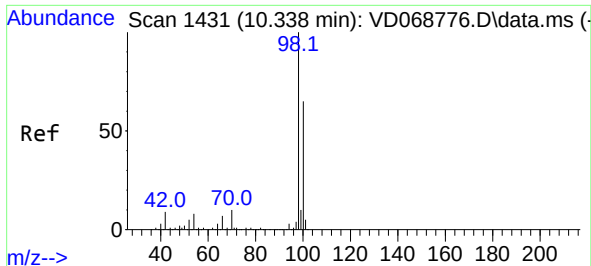
Tgt Ion:114 Resp: 486867  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 38.2  
88 15.1 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 48.02 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Tgt Ion:113 Resp: 152081  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.5 123.7  
192 20.7 15.1 22.7

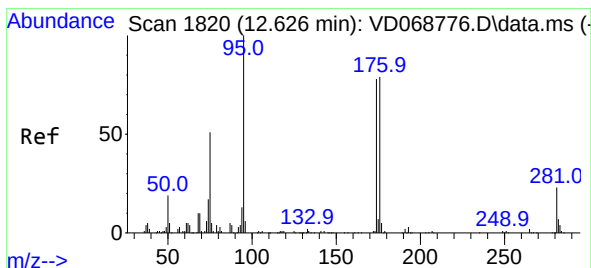
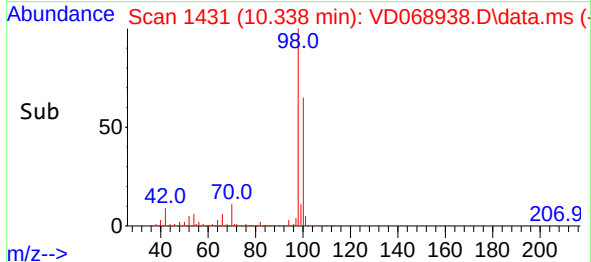
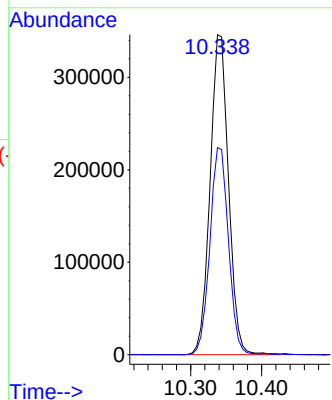
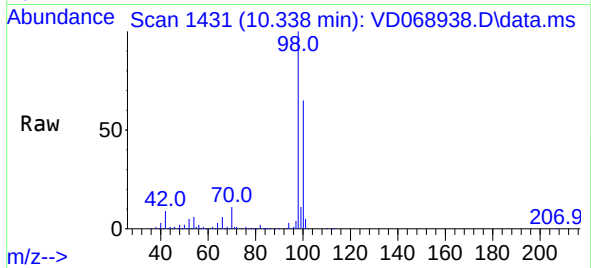




#50  
Toluene-d8  
Concen: 52.18 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

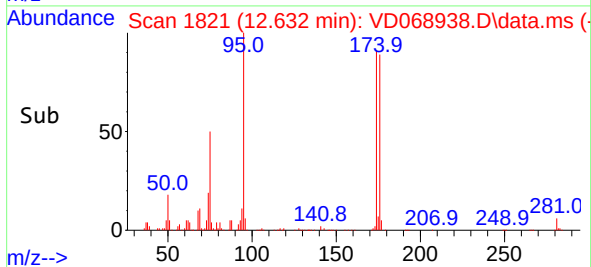
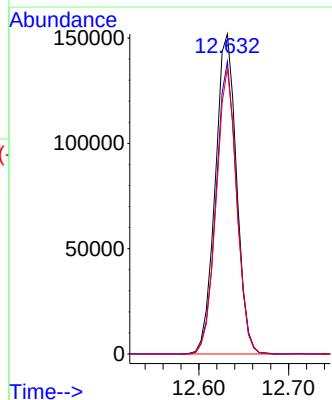
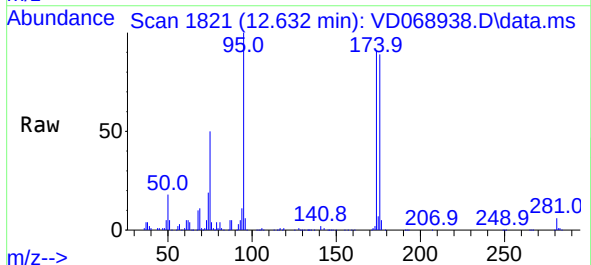
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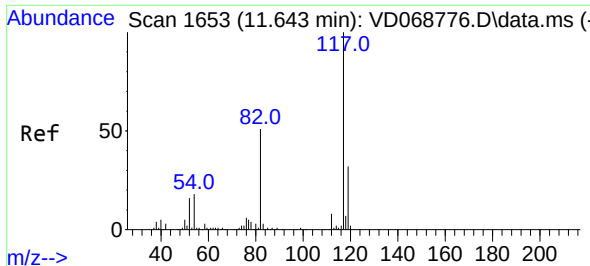
Tgt Ion: 98 Resp: 623306  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 62.77 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Tgt Ion: 95 Resp: 249056  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 168.0  
176 86.3 0.0 160.2

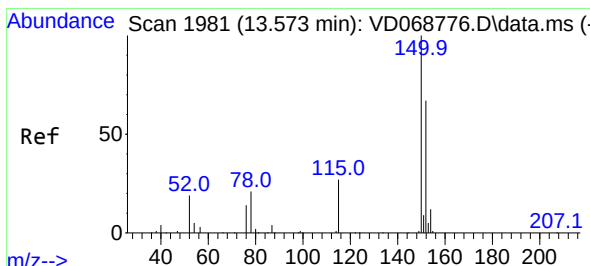
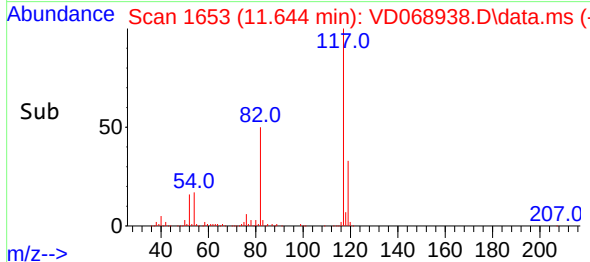
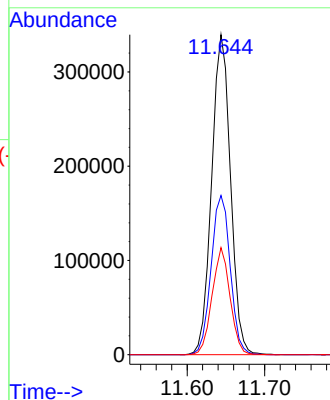
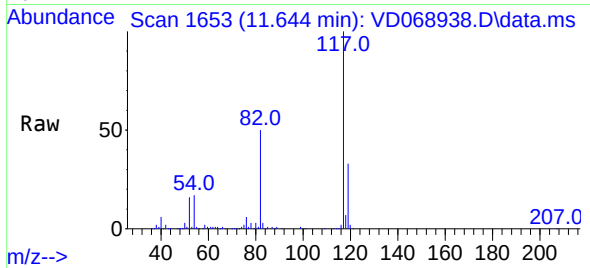




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-28-9.5-10.0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 575300 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 49.8  | 43.5  | 65.3   |
| 119      | 33.4  | 26.7  | 40.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068938.D  
Acq: 21 Apr 2021 20:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 289054 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.0  | 29.3  | 87.8   |
| 150      | 161.4 | 0.0   | 347.6  |

