

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052021\  
 Data File : VD069214.D  
 Acq On : 20 May 2021 13:02  
 Operator : VA/SY  
 Sample : M2469-01  
 Misc : 7.14G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(7.5-8.0)

Quant Time: May 21 00:53:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.985  | 168   | 128720   | 50.00    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 242061   | 50.00    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 250487   | 50.00    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 121496   | 50.00    | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 107017   | 82.93    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 165.86%# |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 101455   | 64.41    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 128.82%  |          |
| 50) Toluene-d8              | 10.338 | 98    | 312927   | 54.06    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 102788   | 55.19    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 110.38%  |          |

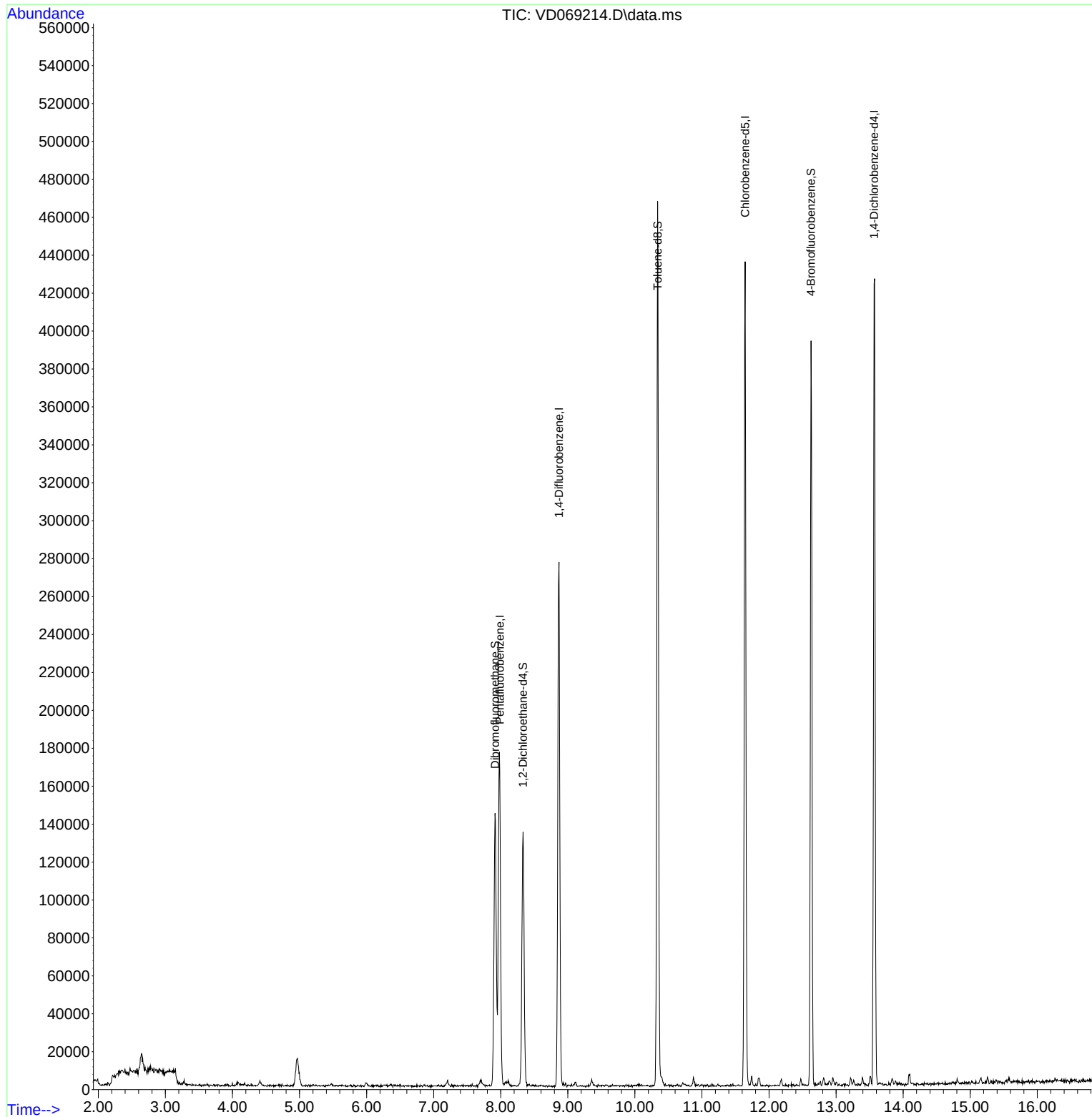
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

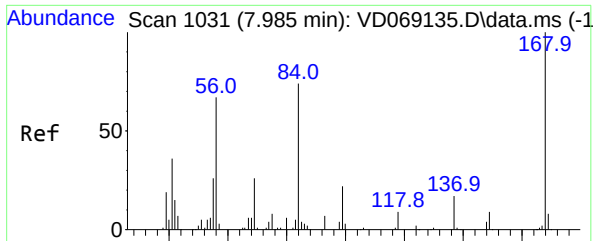
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(7.5-8.0)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

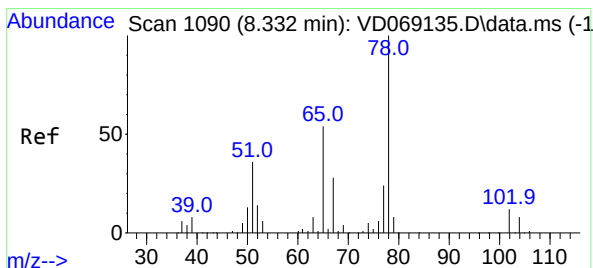
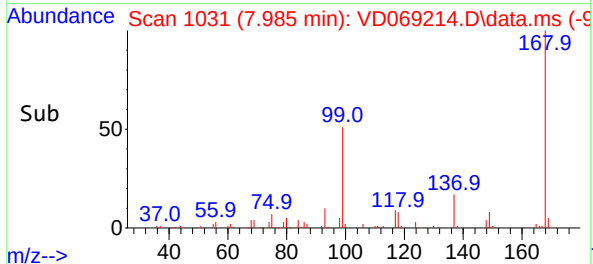
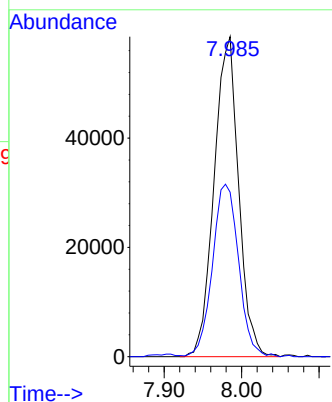
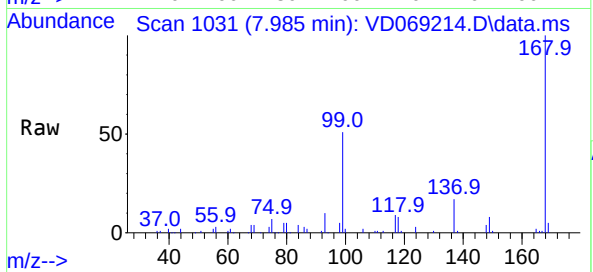




Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.985 min Scan# 1031  
 Delta R.T. -0.000 min  
 Lab File: VD069214.D  
 Acq: 20 May 2021 13:02

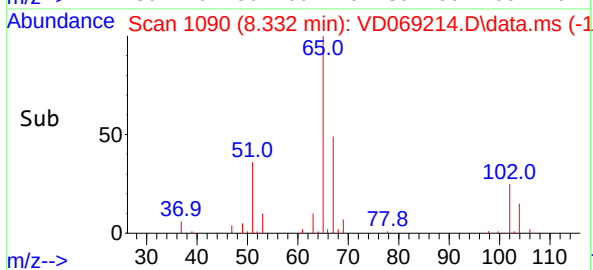
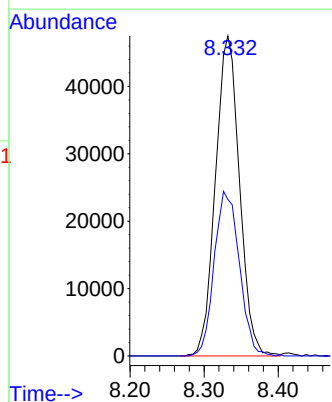
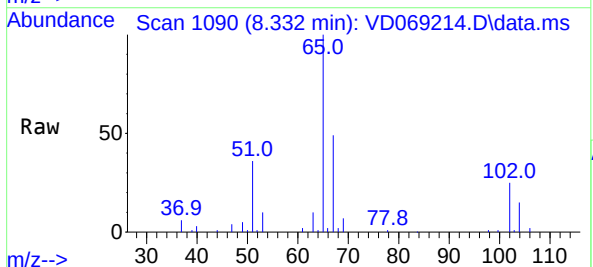
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(7.5-8.0)

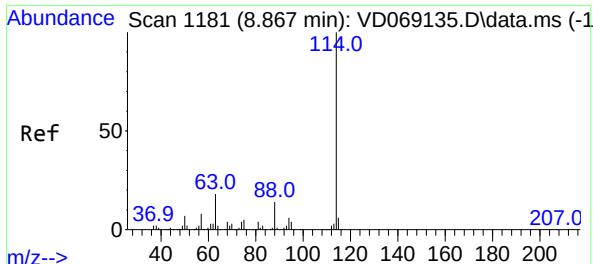
Tgt Ion:168 Resp: 128720  
 Ion Ratio Lower Upper  
 168 100  
 99 51.4 47.2 70.8



1,2-Dichloroethane-d4  
 Concen: 82.93 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. 0.000 min  
 Lab File: VD069214.D  
 Acq: 20 May 2021 13:02

Tgt Ion: 65 Resp: 107017  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 108.0





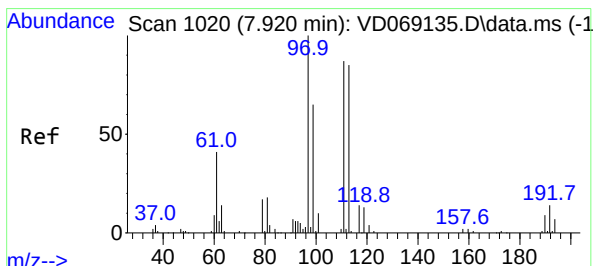
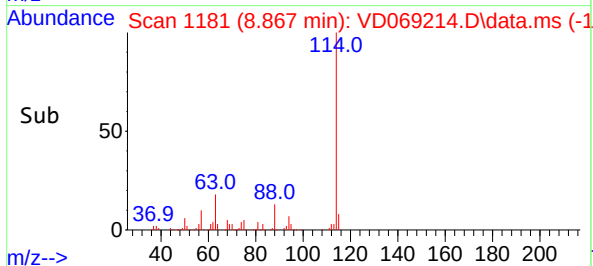
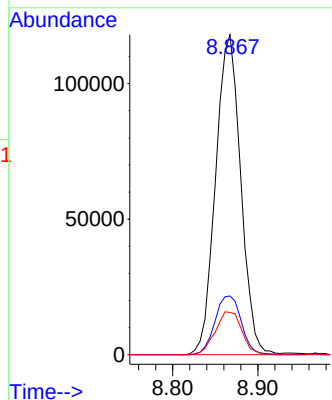
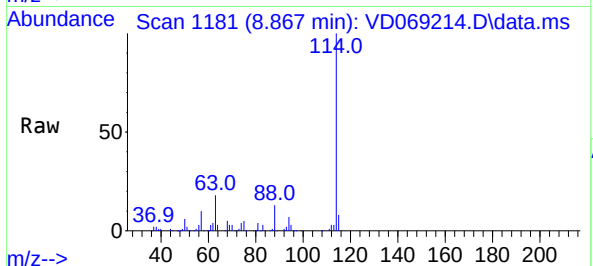
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(7.5-8.0)

Tgt Ion:114 Resp: 242061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.3  | 0.0   | 36.4  |
| 88  | 13.2  | 0.0   | 28.2  |

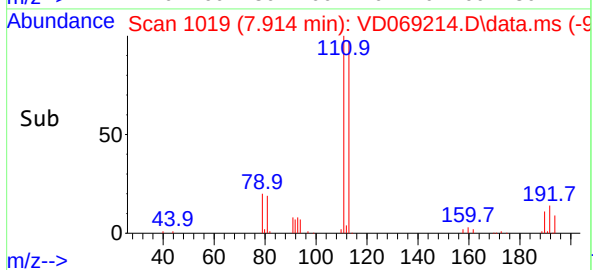
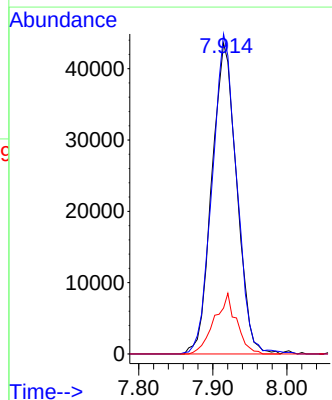
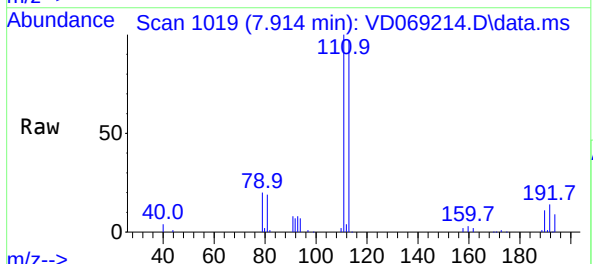


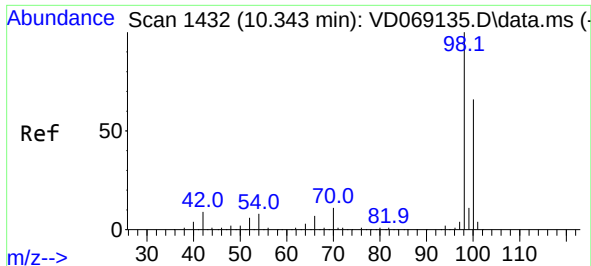
#35

Dibromofluoromethane  
Concen: 64.41 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

Tgt Ion:113 Resp: 101455

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.1 | 80.6  | 120.8 |
| 192 | 17.4  | 14.8  | 22.2  |

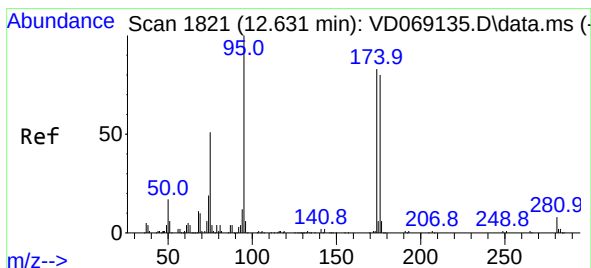
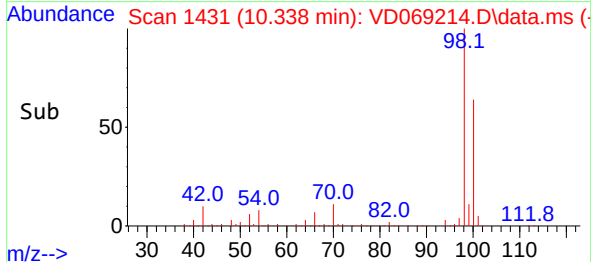
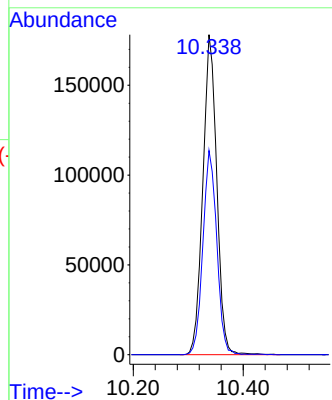
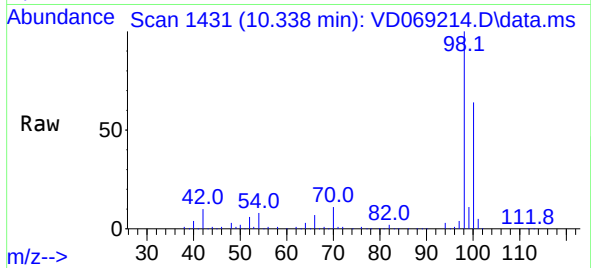




#50  
Toluene-d8  
Concen: 54.06 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

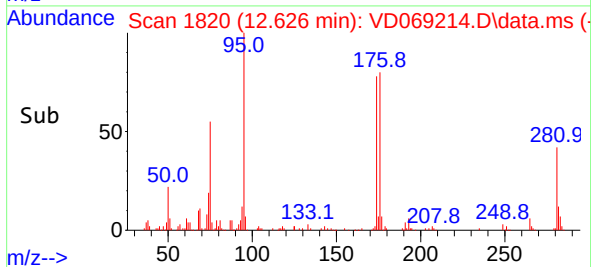
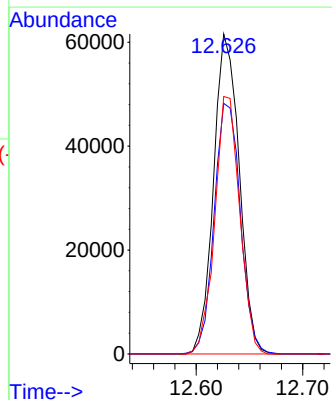
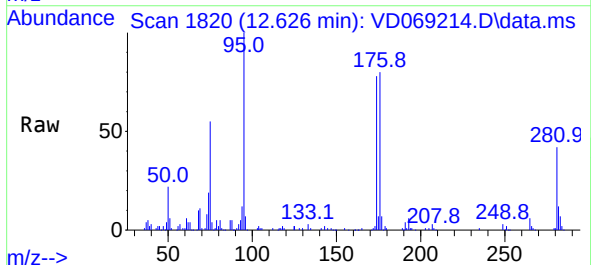
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(7.5-8.0)

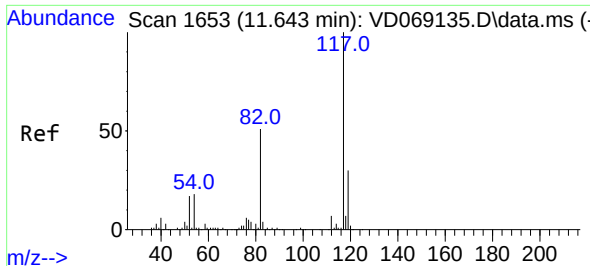
Tgt Ion: 98 Resp: 312927  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 55.19 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.005 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

Tgt Ion: 95 Resp: 102788  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 171.8  
176 78.2 0.0 165.4

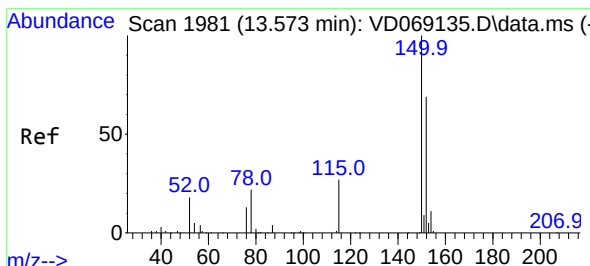
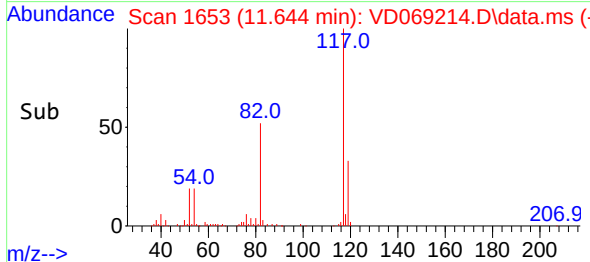
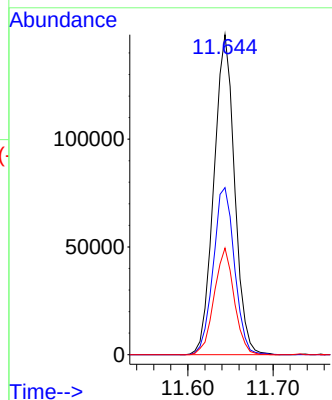
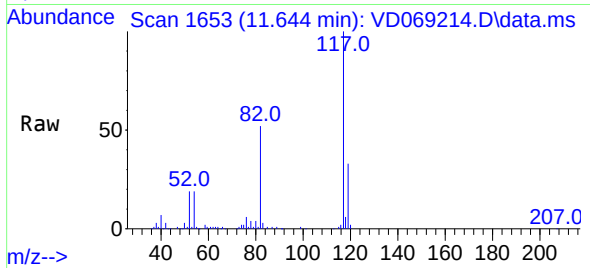




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(7.5-8.0)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 250487 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.2  | 40.5  | 60.7   |
| 119      | 33.3  | 24.2  | 36.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.005 min  
Lab File: VD069214.D  
Acq: 20 May 2021 13:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 121496 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.1  | 29.9  | 89.8   |
| 150      | 155.7 | 0.0   | 350.2  |

