

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051321\  
 Data File : VD069161.D  
 Acq On : 13 May 2021 17:04  
 Operator : VA/SY  
 Sample : M2372-07  
 Misc : 2.98G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-200032

Quant Time: May 14 01:23:01 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       | 7.979  | 168   | 206453   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 411037   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 379023   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 155258   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 142435   | 68.82    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 137.64% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 146290   | 54.69    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.38% |          |
| 50) Toluene-d8              | 10.338 | 98    | 509636   | 51.85    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 103.70% |          |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 169247   | 53.52    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 107.04% |          |

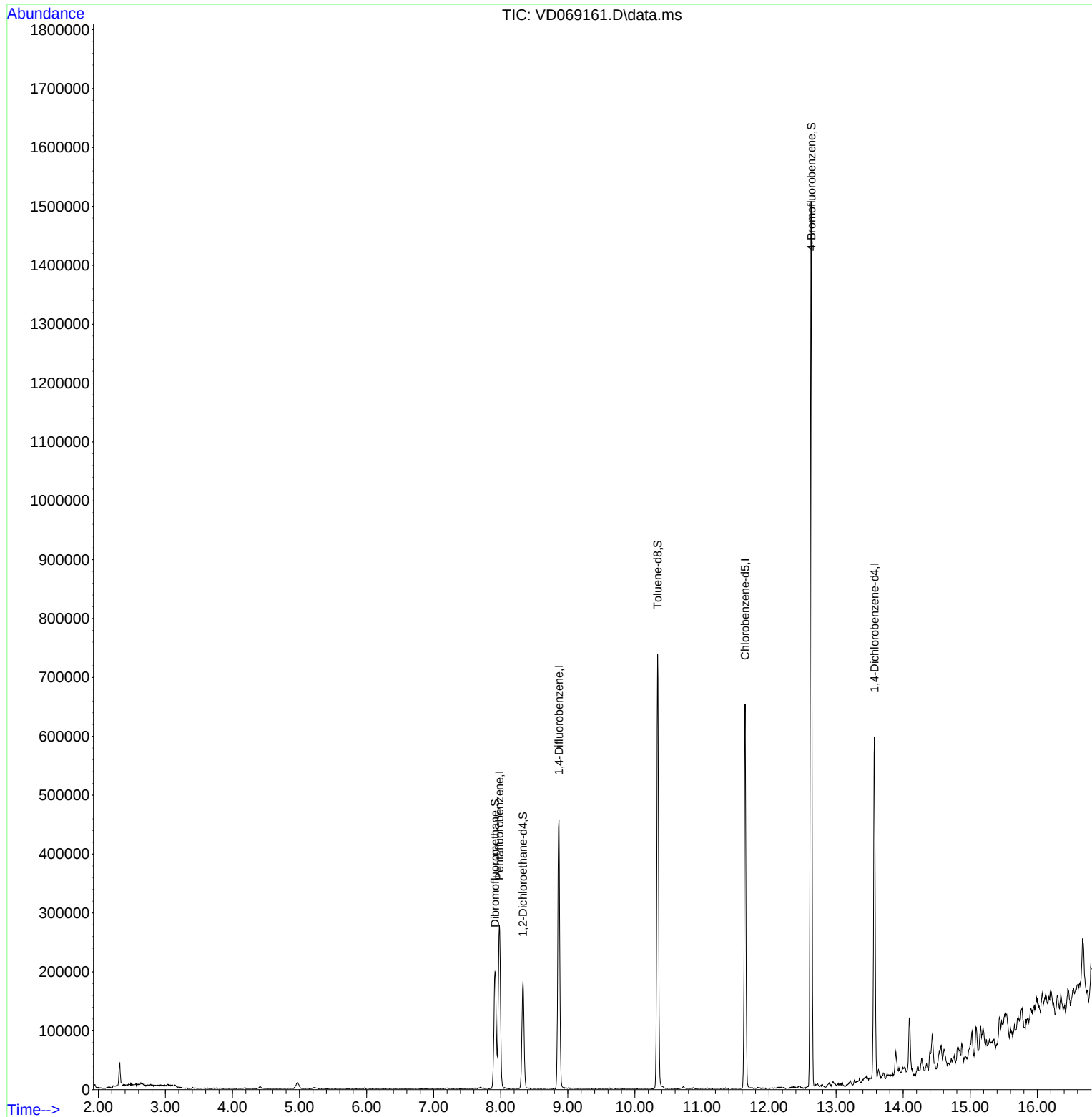
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

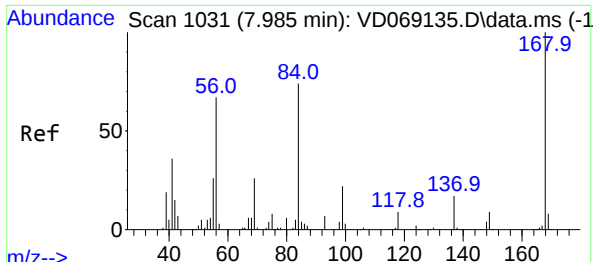
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

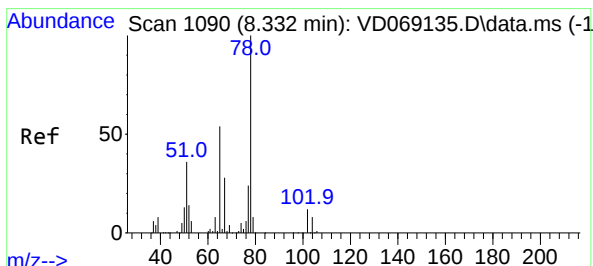
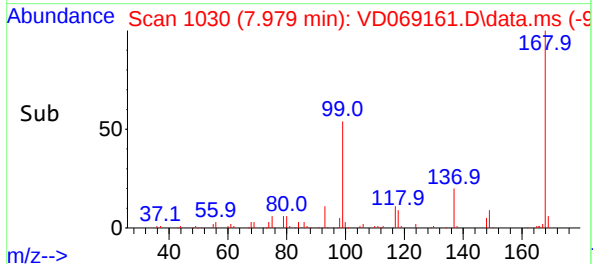
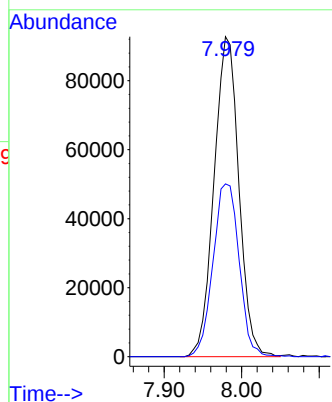
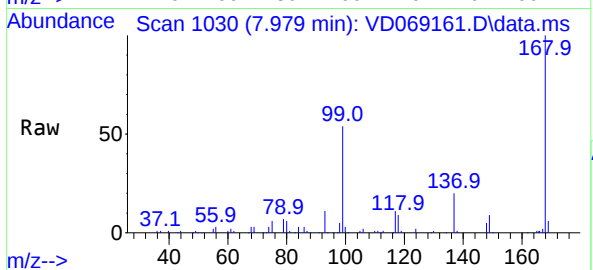




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

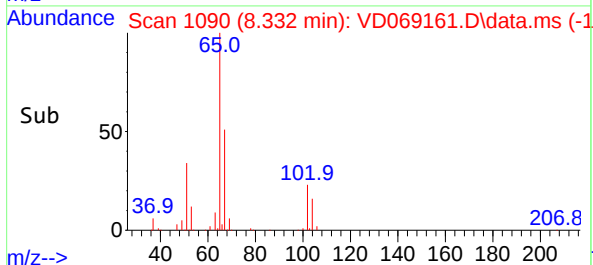
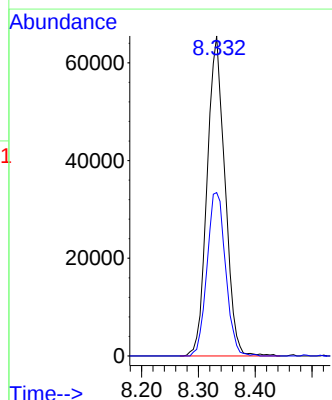
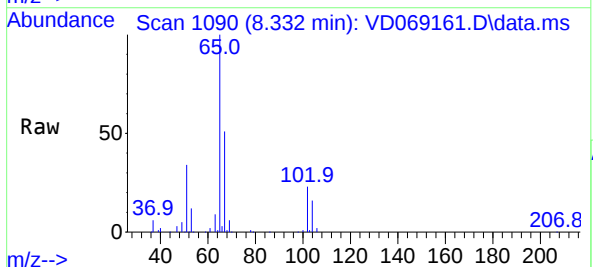
Instrument :  
MSVOA\_D  
ClientSampleId :  
RBR-200032

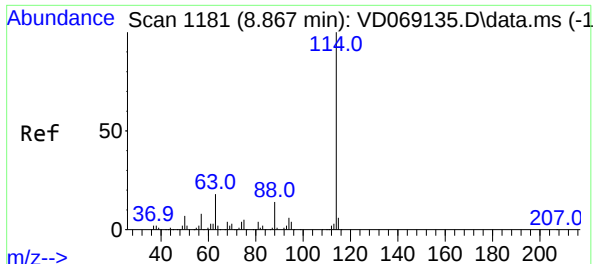
Tgt Ion:168 Resp: 206453  
Ion Ratio Lower Upper  
168 100  
99 54.0 47.2 70.8



#33  
1,2-Dichloroethane-d4  
Concen: 68.82 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

Tgt Ion: 65 Resp: 142435  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 108.0



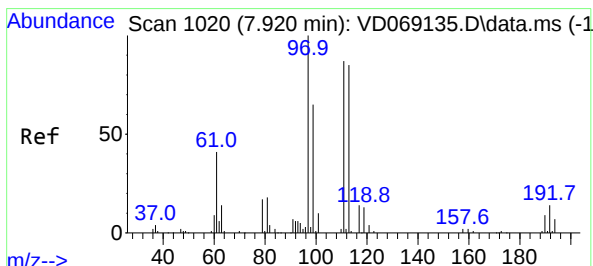
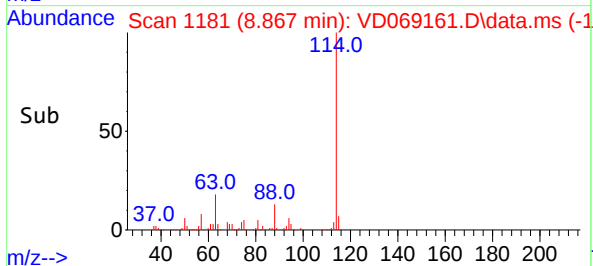
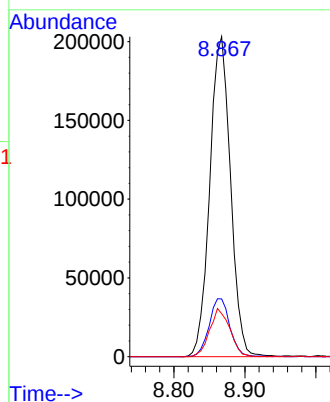
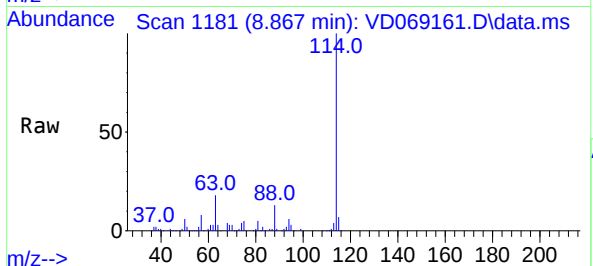


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
RBR-200032

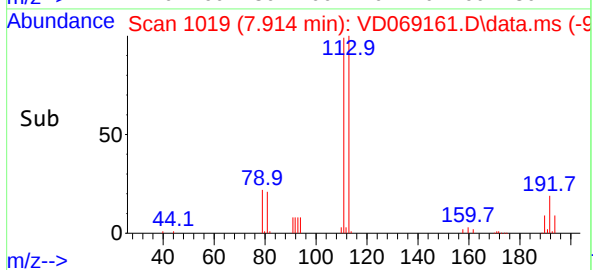
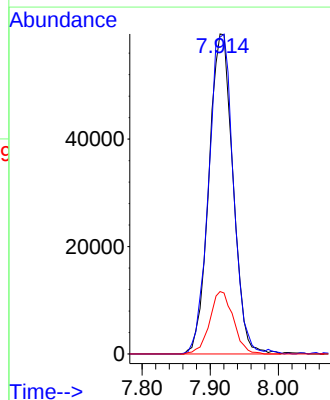
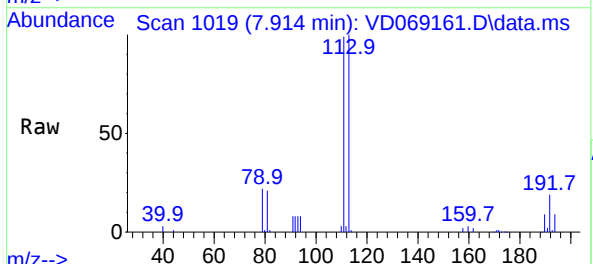
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 411037 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.1  | 0.0   | 36.4   |
| 88       | 13.5  | 0.0   | 28.2   |

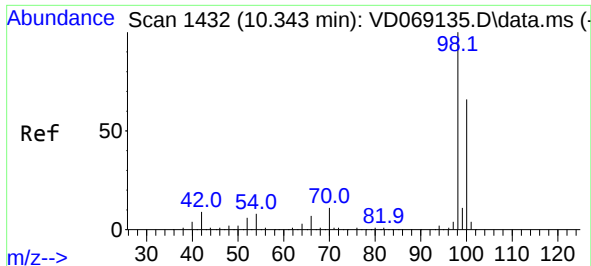


#35

Dibromofluoromethane  
Concen: 54.69 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 146290 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.0 | 80.6  | 120.8  |
| 192      | 19.2  | 14.8  | 22.2   |

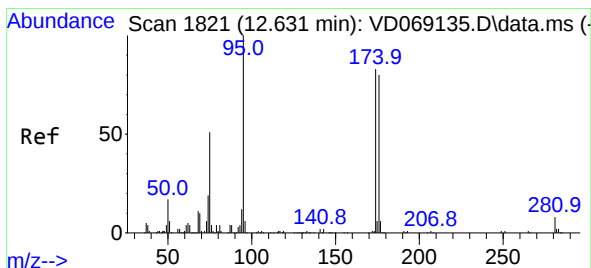
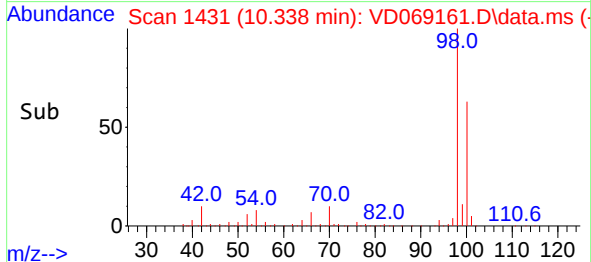
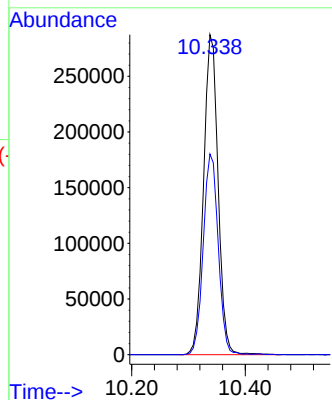
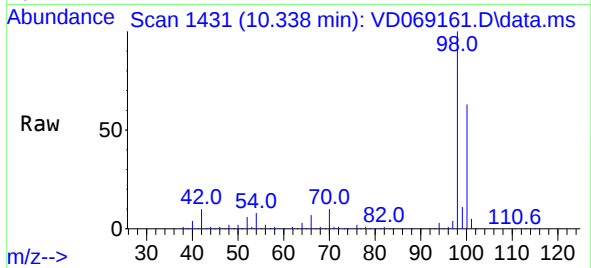




#50  
Toluene-d8  
Concen: 51.85 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

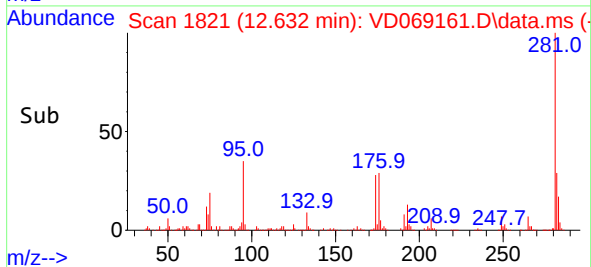
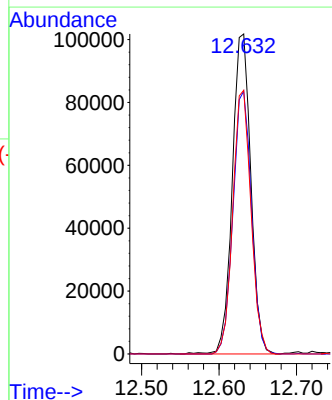
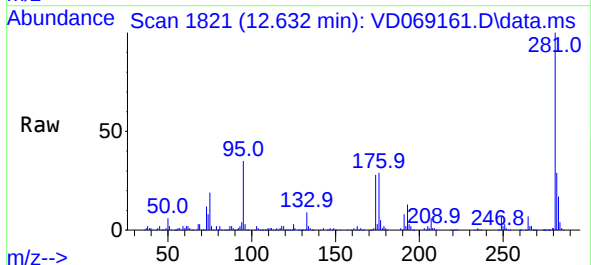
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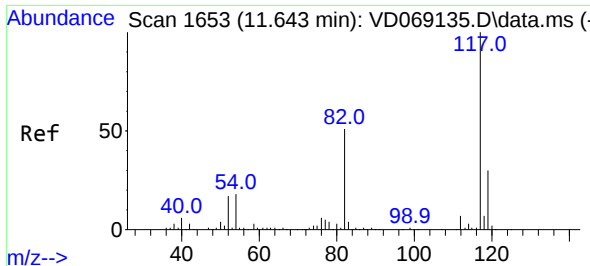
Tgt Ion: 98 Resp: 509636  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 53.52 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

Tgt Ion: 95 Resp: 169247  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 171.8  
176 81.0 0.0 165.4

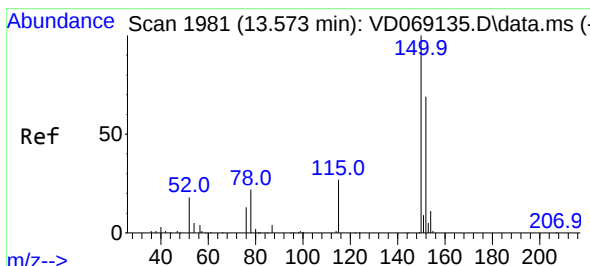
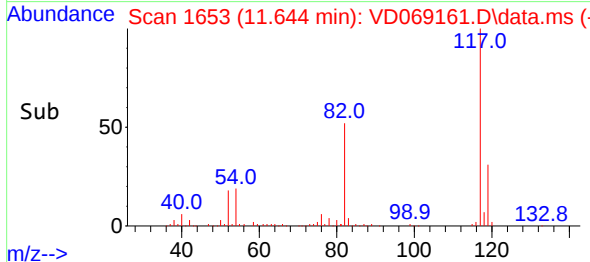
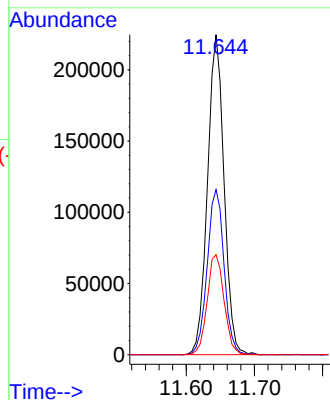
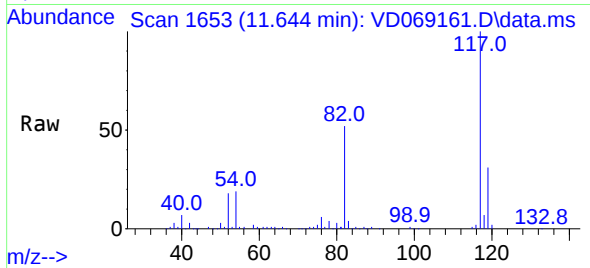




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
RBR-200032

Tgt Ion:117 Resp: 379023  
Ion Ratio Lower Upper  
117 100  
82 51.6 40.5 60.7  
119 31.2 24.2 36.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD069161.D  
Acq: 13 May 2021 17:04

Tgt Ion:152 Resp: 155258  
Ion Ratio Lower Upper  
152 100  
115 59.8 29.9 89.8  
150 157.2 0.0 350.2

