

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060421\  
 Data File : VD069356.D  
 Acq On : 04 Jun 2021 20:06  
 Operator : VA/SY  
 Sample : M2601-01  
 Misc : 7.40G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-236

Quant Time: Jun 05 00:38:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 02 02:17:36 2021  
 Response via : Initial Calibration

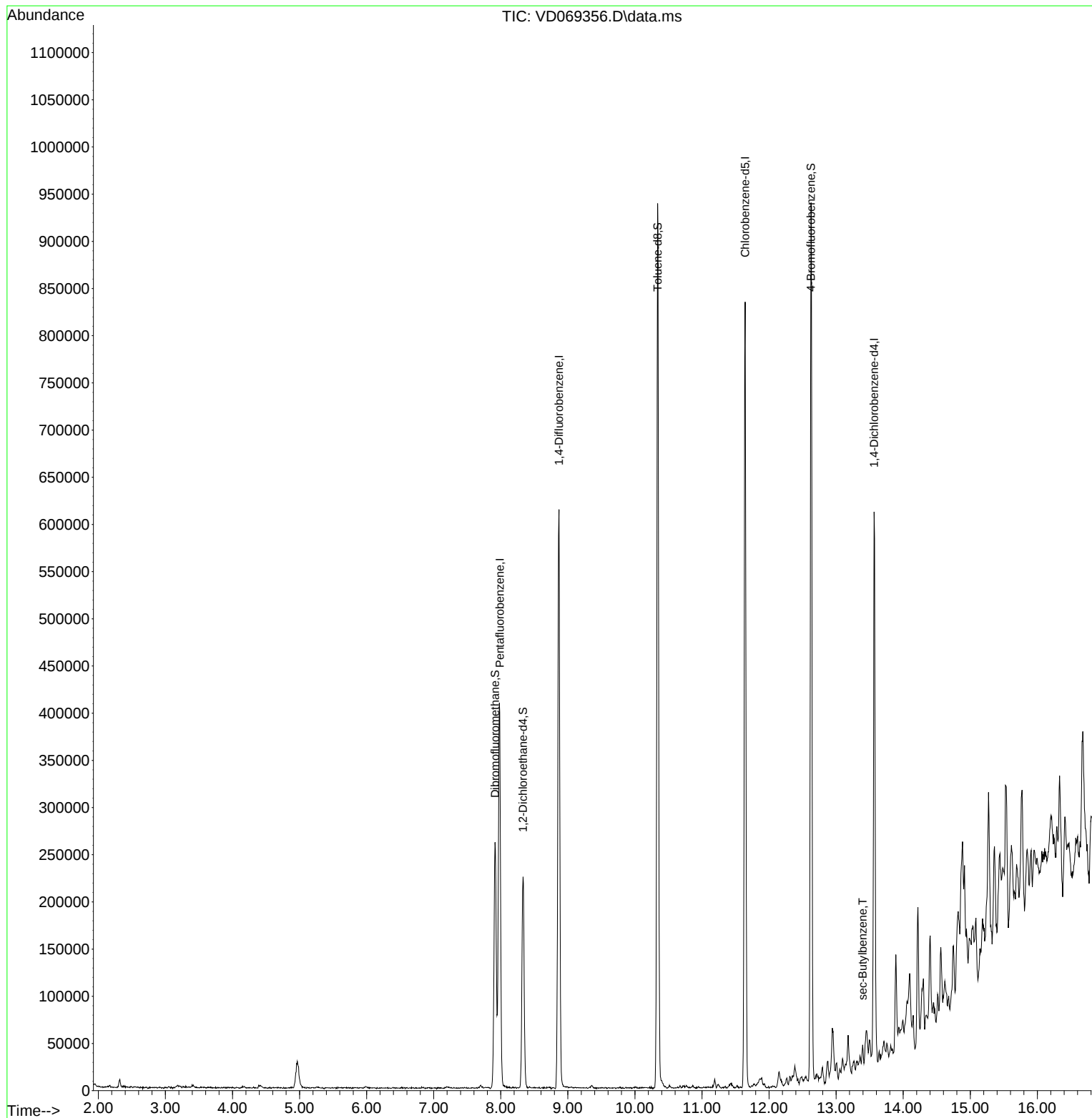
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.985  | 168   | 307994   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 542235   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 510847   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 164600   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 181783   | 61.512   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 123.020% |           |
| 35) Dibromofluoromethane    | 7.914  | 113   | 195027   | 57.275   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 114.540% |           |
| 50) Toluene-d8              | 10.337 | 98    | 662985   | 53.543   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.080% |           |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 202971   | 50.026   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 100.060% |           |
| Target Compounds            |        |       |          |          |            |           |
| 85) sec-Butylbenzene        | 13.396 | 105   | 11926    | 1.011    | ug/l       | Qvalue 96 |
| -----                       |        |       |          |          |            |           |

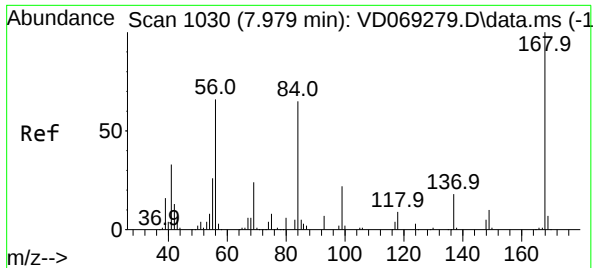
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 02 02:17:36 2021  
Response via : Initial Calibration

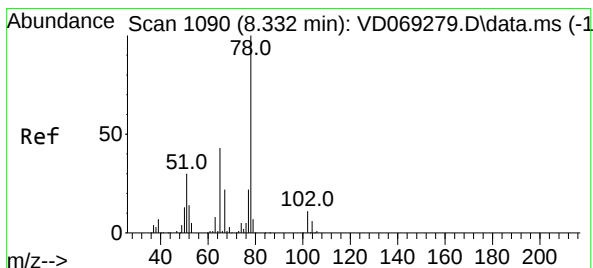
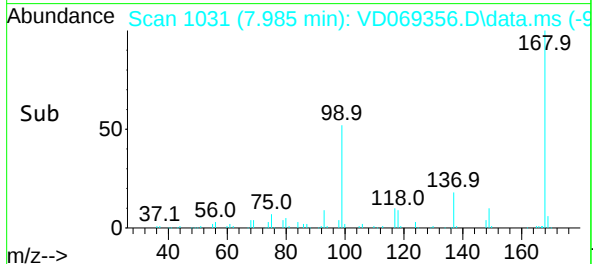
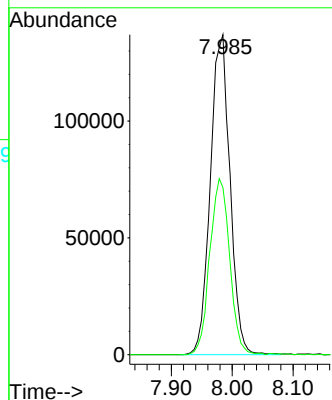
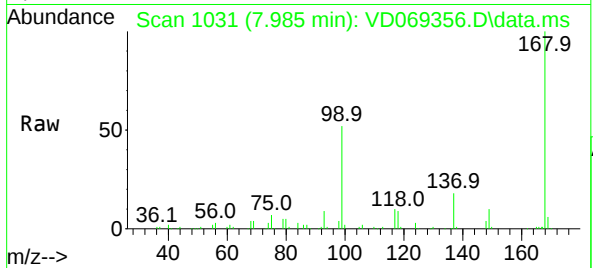




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

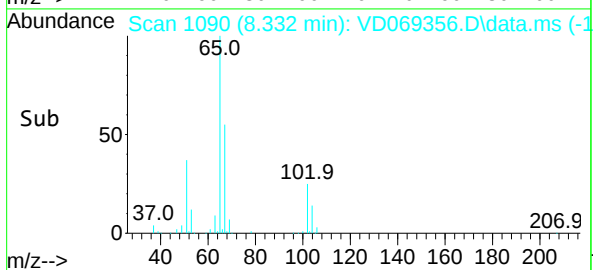
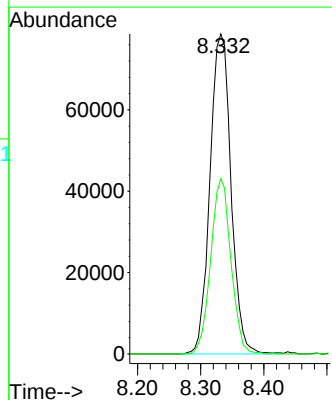
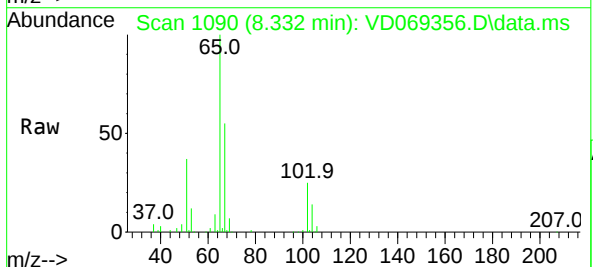
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-236

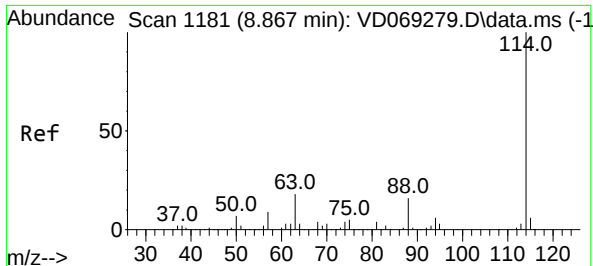
Tgt Ion:168 Resp: 307994  
Ion Ratio Lower Upper  
168 100  
99 52.3 46.2 69.2



#33  
1,2-Dichloroethane-d4  
Concen: 61.512 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

Tgt Ion: 65 Resp: 181783  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.8

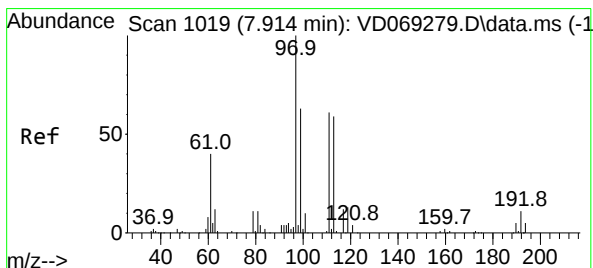
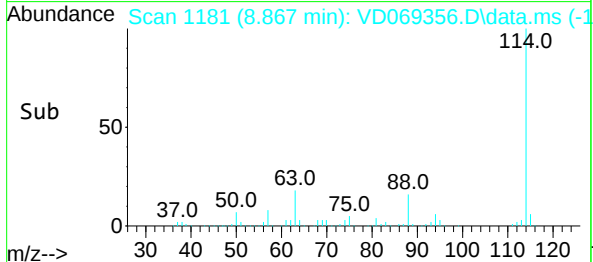
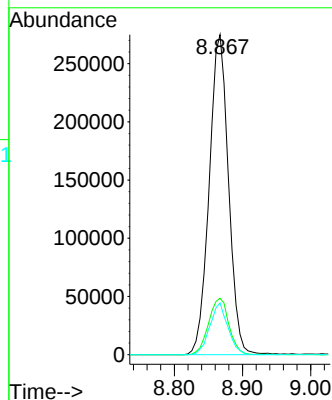
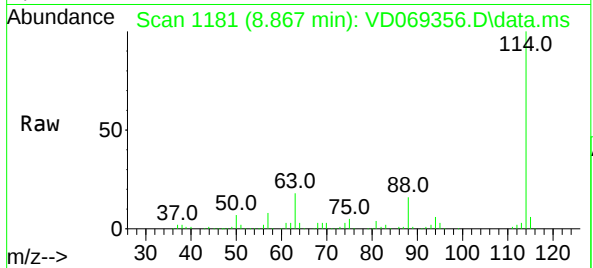




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

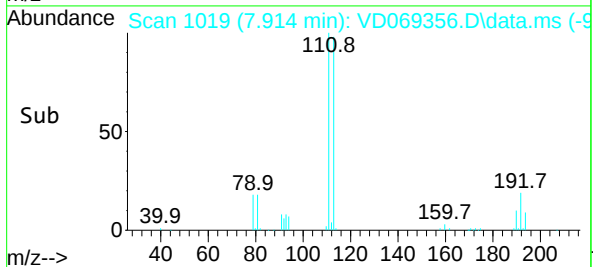
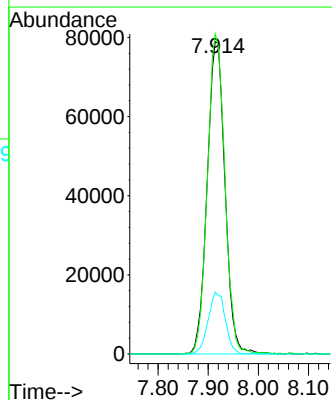
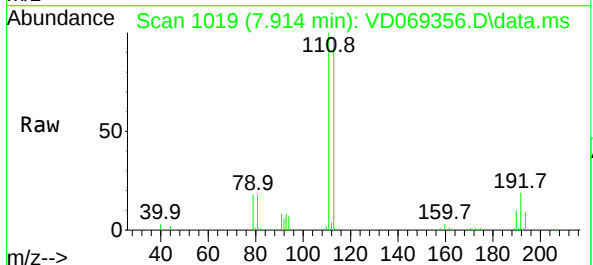
Instrument :  
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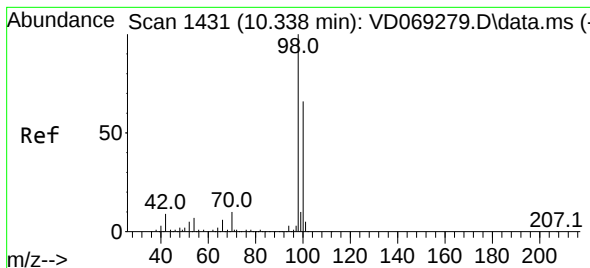
Tgt Ion:114 Resp: 542235  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 35.6  
88 16.2 0.0 31.2



#35  
Dibromofluoromethane  
Concen: 57.275 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

Tgt Ion:113 Resp: 195027  
Ion Ratio Lower Upper  
113 100  
111 100.3 83.0 124.6  
192 19.0 15.1 22.7

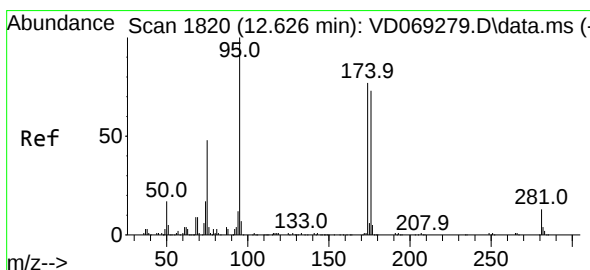
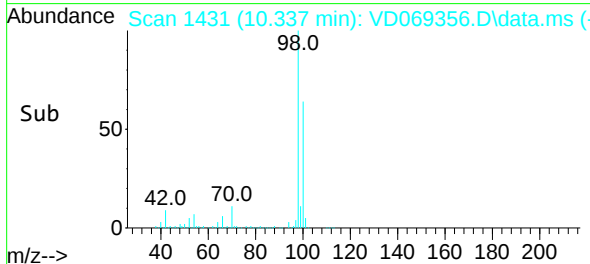
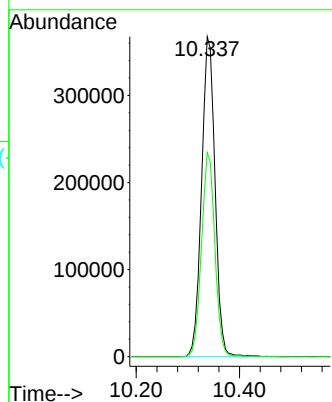
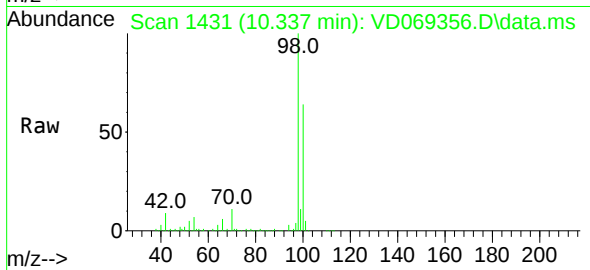




#50  
Toluene-d8  
Concen: 53.543 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

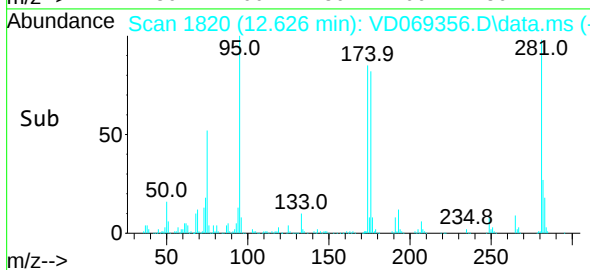
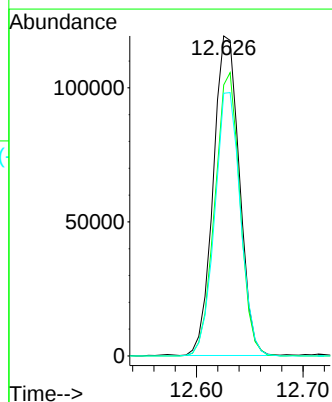
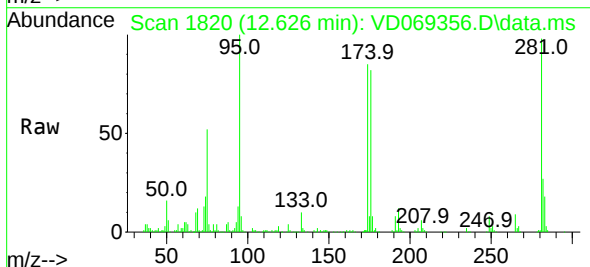
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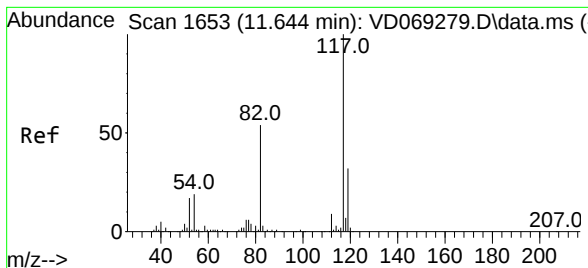
Tgt Ion: 98 Resp: 662985  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 50.026 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

Tgt Ion: 95 Resp: 202971  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 162.8  
176 81.3 0.0 154.4

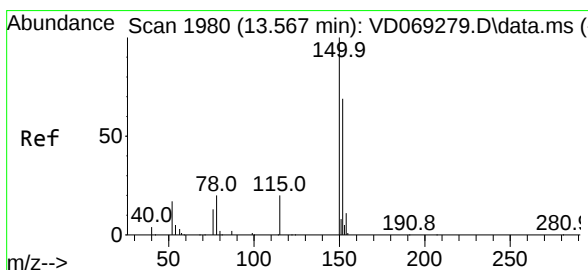
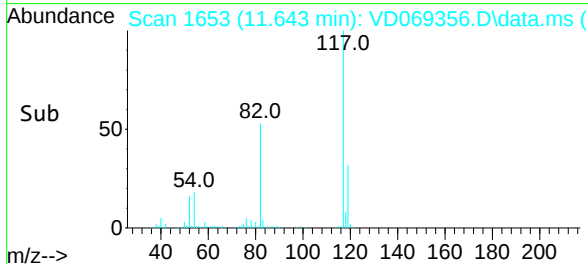
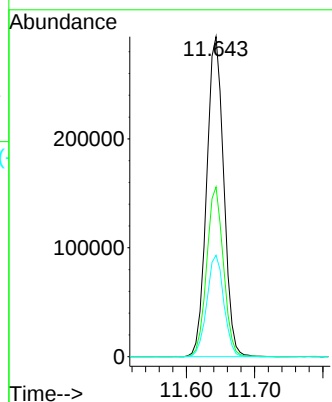
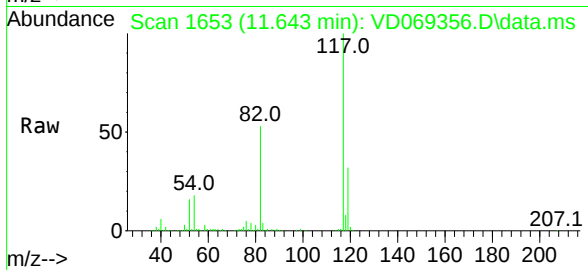




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

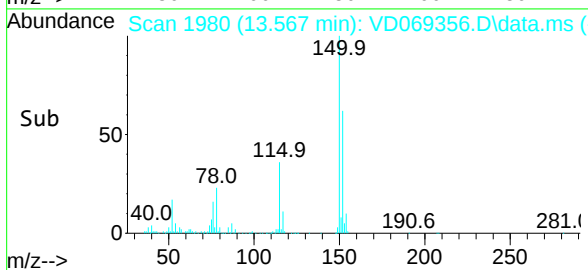
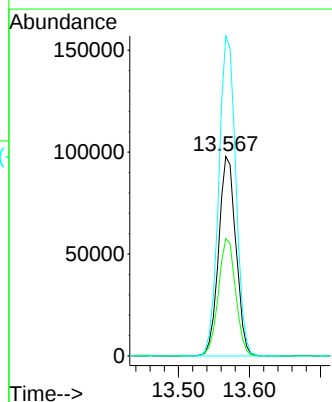
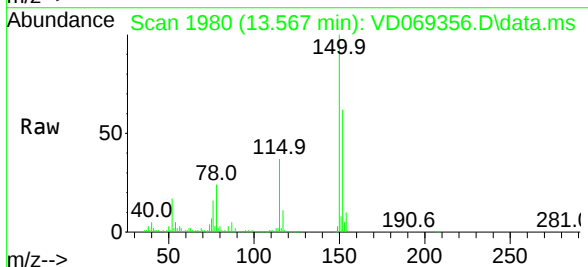
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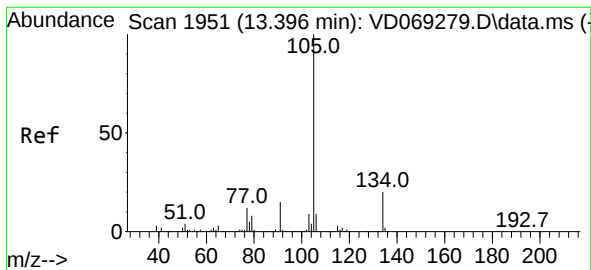
Tgt Ion:117 Resp: 510847  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.3 64.9  
119 31.7 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD069356.D  
Acq: 04 Jun 2021 20:06

Tgt Ion:152 Resp: 164600  
Ion Ratio Lower Upper  
152 100  
115 58.8 29.4 88.3  
150 158.2 0.0 355.0





#85  
 sec-Butylbenzene  
 Concen: 1.011 ug/l  
 RT: 13.396 min Scan# 1951  
 Delta R.T. -0.000 min  
 Lab File: VD069356.D  
 Acq: 04 Jun 2021 20:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-236

Tgt Ion:105 Resp: 11926  
 Ion Ratio Lower Upper  
 105 100  
 134 22.0 10.1 30.3

