

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100621\  
 Data File : VD070598.D  
 Acq On : 06 Oct 2021 17:26  
 Operator : VA/SY  
 Sample : M4081-04  
 Misc : 4.96G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-237

Quant Time: Oct 07 07:01:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 09:10:31 2021  
 Response via : Initial Calibration

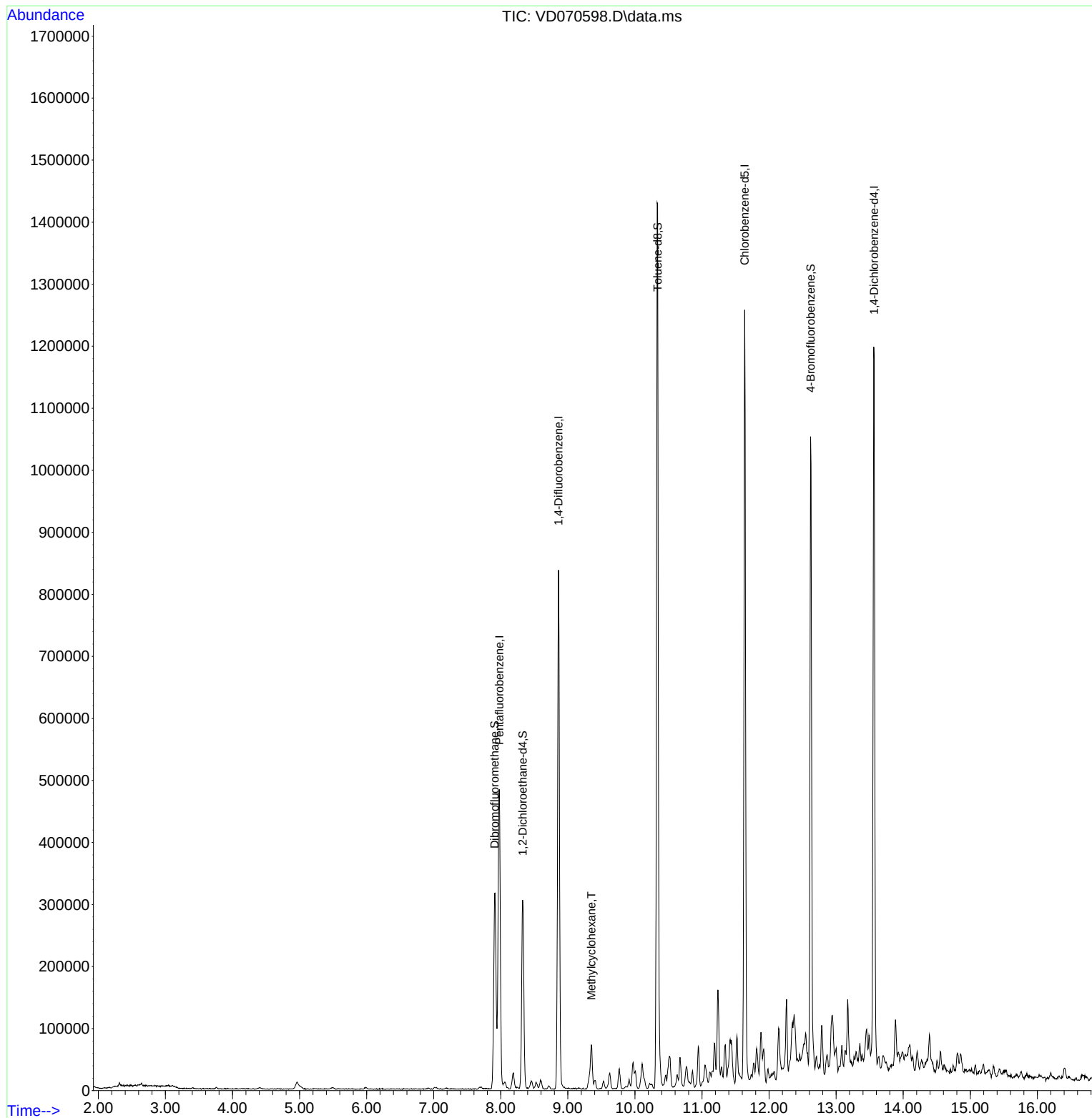
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 345668   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 699676   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.637 | 117   | 728754   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 317777   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 245706   | 60.399   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 120.800% |          |
| 35) Dibromofluoromethane    | 7.908  | 113   | 239047   | 51.387   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.780% |          |
| 50) Toluene-d8              | 10.337 | 98    | 957517   | 53.843   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.680% |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 339604   | 57.137   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 114.280% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 39) Methylcyclohexane       | 9.349  | 83    | 26075    | 3.051    | ug/l #     | 79       |
| -----                       |        |       |          |          |            |          |

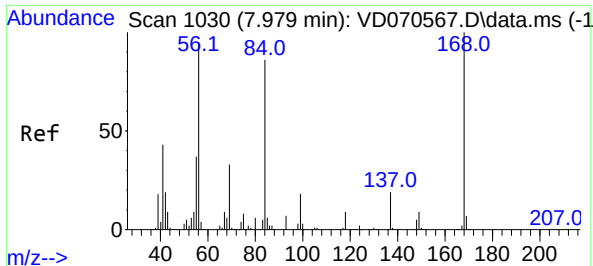
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Time: Oct 07 07:01:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 06 09:10:31 2021  
Response via : Initial Calibration

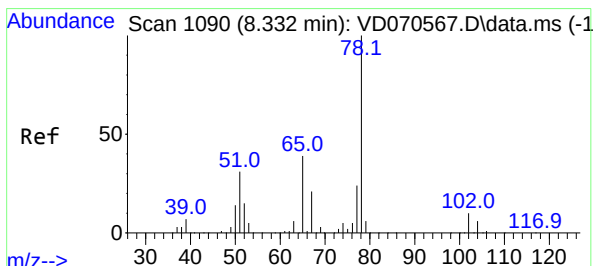
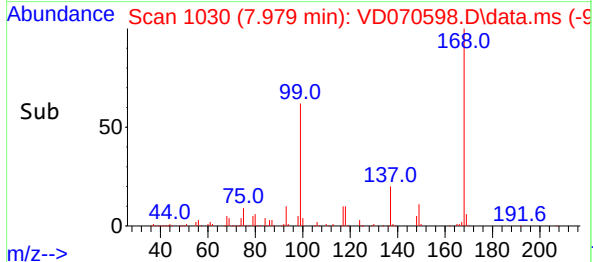
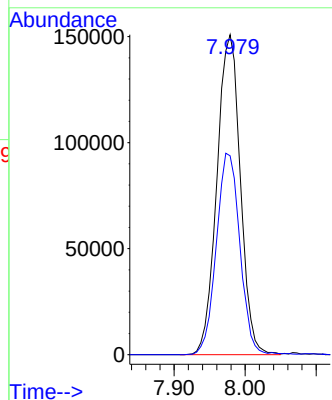
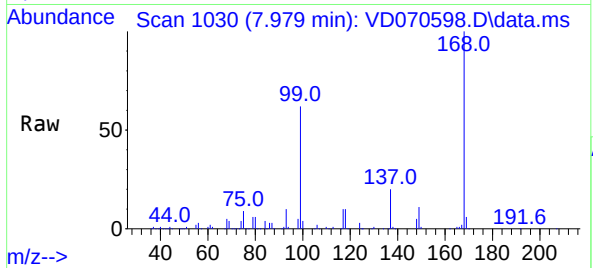




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

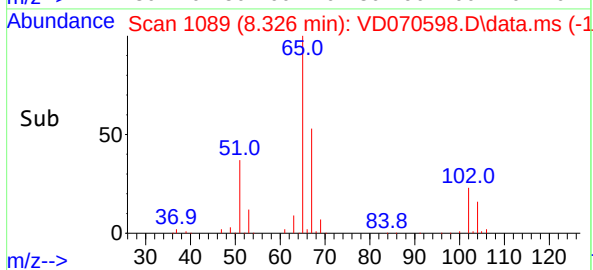
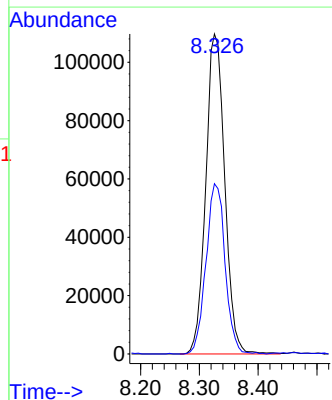
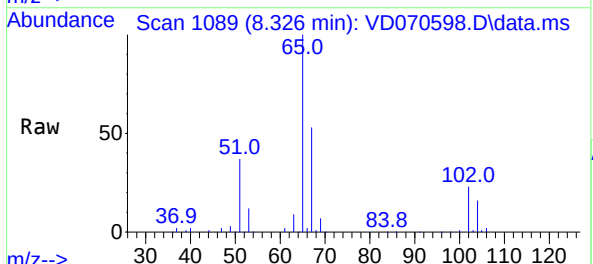
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-237

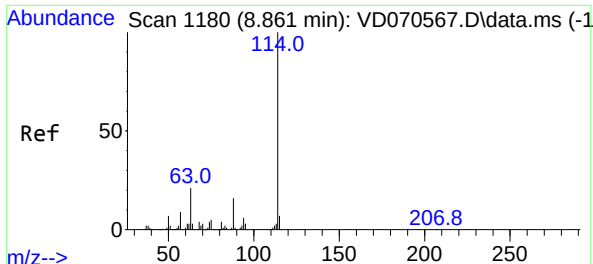
Tgt Ion:168 Resp: 345668  
Ion Ratio Lower Upper  
168 100  
99 62.2 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 60.399 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

Tgt Ion: 65 Resp: 245706  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 110.2



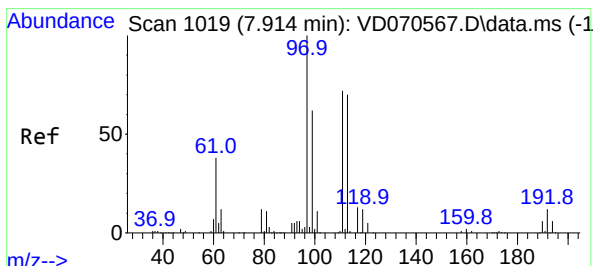
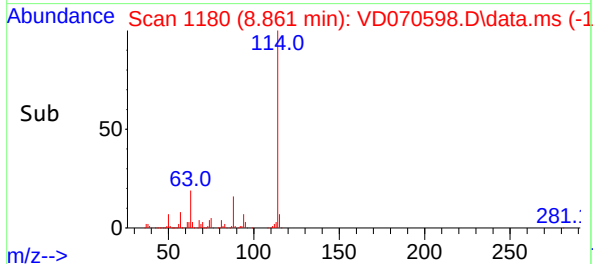
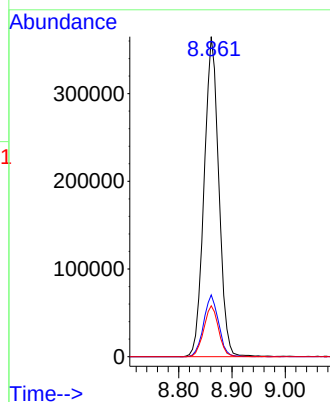
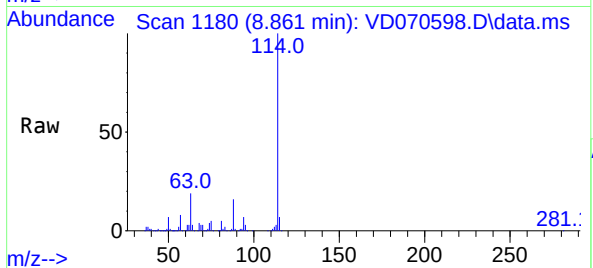


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-237

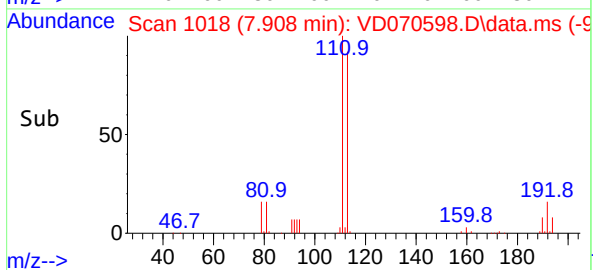
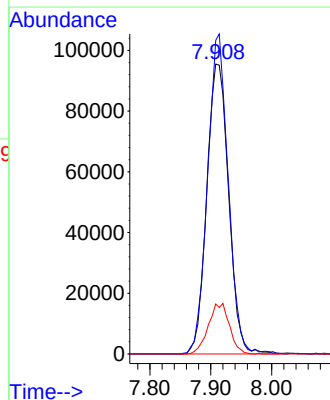
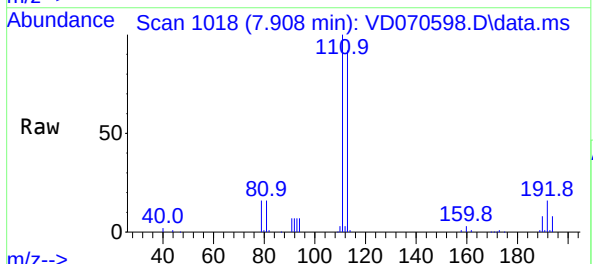
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 699676 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.3  | 0.0   | 41.8   |
| 88       | 15.9  | 0.0   | 32.6   |

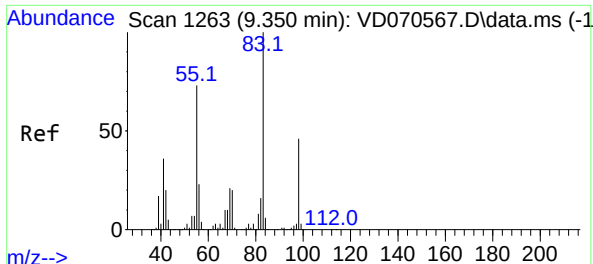


#35

Dibromofluoromethane  
Concen: 51.387 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 239047 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.1 | 83.1  | 124.7  |
| 192      | 16.7  | 12.7  | 19.1   |





#39

Methylcyclohexane

Concen: 3.051 ug/l

RT: 9.349 min Scan# 1263

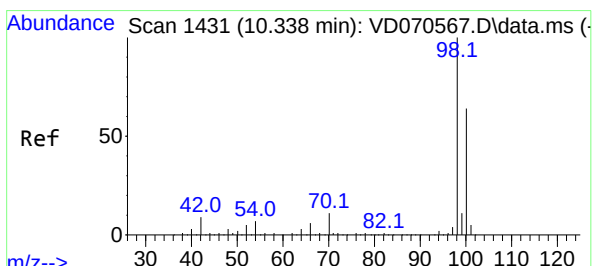
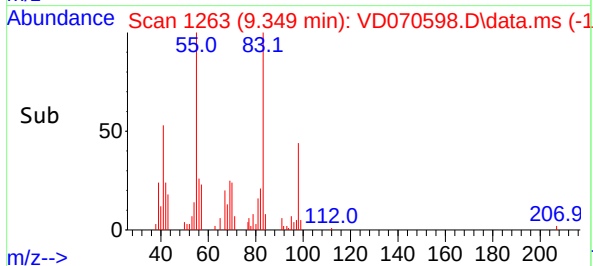
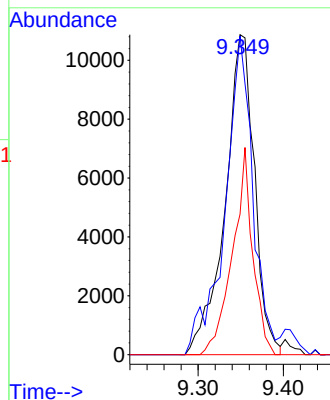
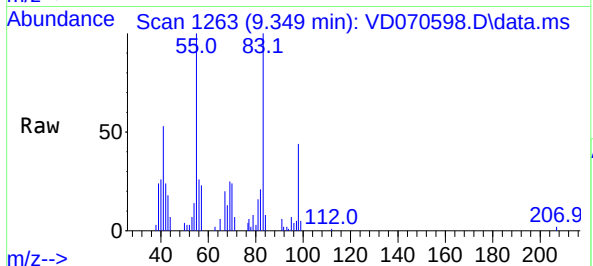
Delta R.T. -0.000 min

Lab File: VD070598.D

Acq: 06 Oct 2021 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 26075 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 99.6  | 58.2  | 87.4# |
| 98       | 43.9  | 36.9  | 55.3  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-237



#50

Toluene-d8

Concen: 53.843 ug/l

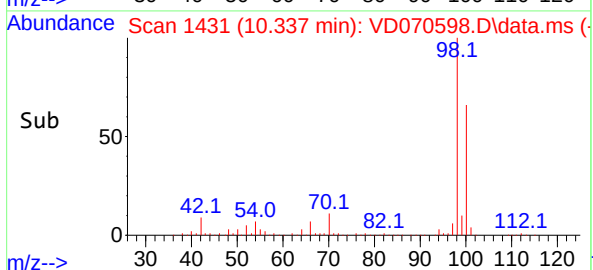
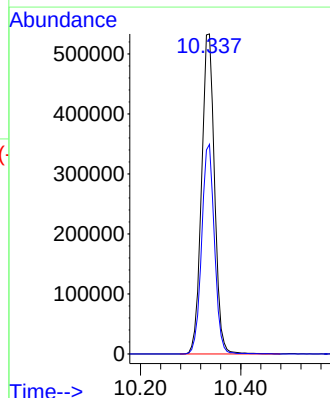
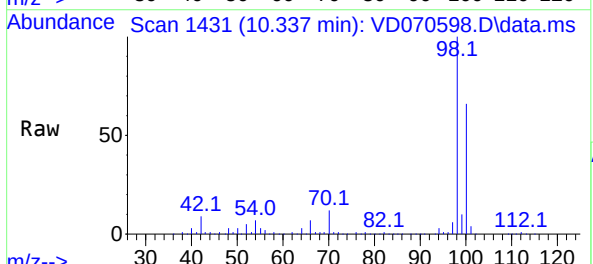
RT: 10.337 min Scan# 1431

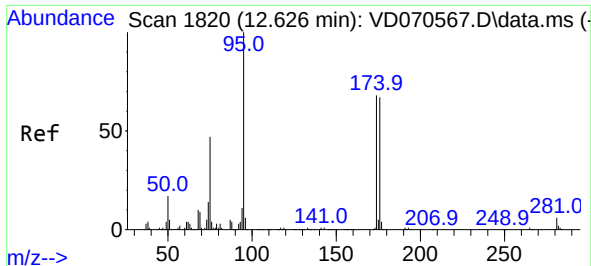
Delta R.T. -0.000 min

Lab File: VD070598.D

Acq: 06 Oct 2021 17:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 957517 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.6  | 52.2  | 78.4   |

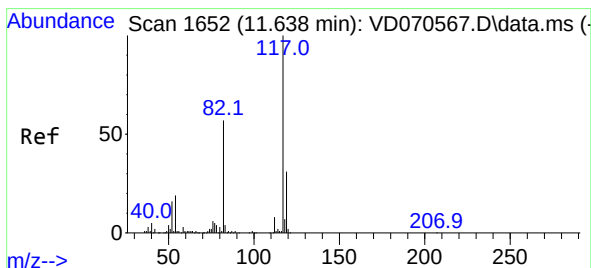
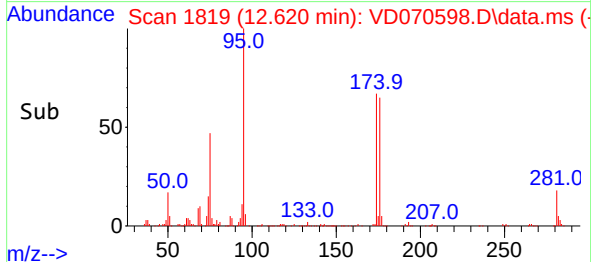
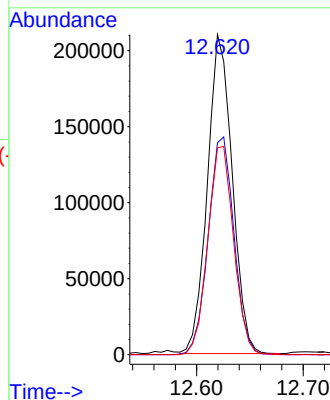
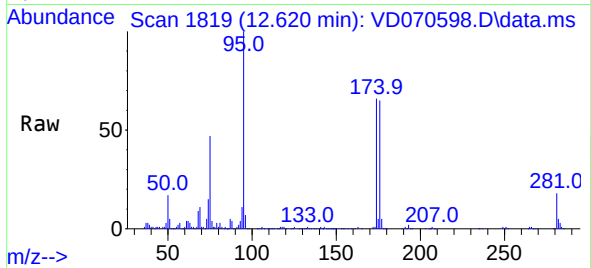




#62  
4-Bromofluorobenzene  
Concen: 57.137 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

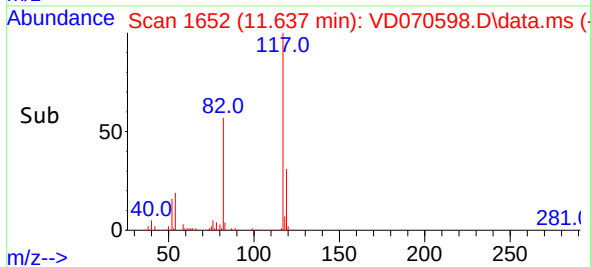
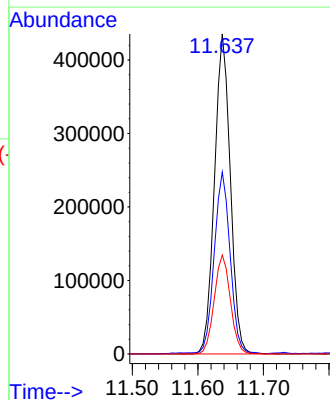
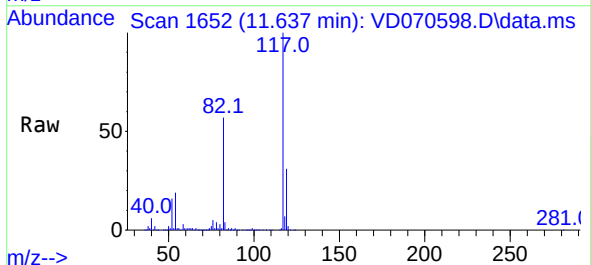
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-237

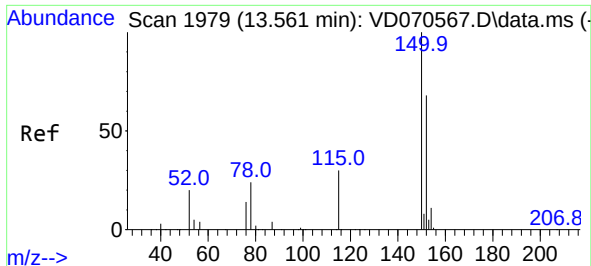
Tgt Ion: 95 Resp: 339604  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 138.0  
176 68.0 0.0 135.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070598.D  
Acq: 06 Oct 2021 17:26

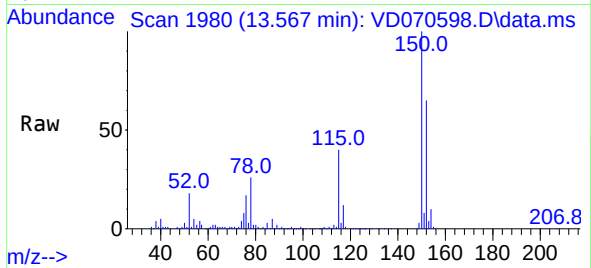
Tgt Ion: 117 Resp: 728754  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.4 68.2  
119 30.9 24.7 37.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.005 min  
 Lab File: VD070598.D  
 Acq: 06 Oct 2021 17:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-237



Tgt Ion:152 Resp: 317777  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.5  | 31.9  | 95.7  |
| 150 | 156.7 | 0.0   | 350.0 |

