

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061522\  
 Data File : VD073591.D  
 Acq On : 15 Jun 2022 15:05  
 Operator : VA/SY  
 Sample : N3329-01  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PALMYRA-RT-73-COMP-1

Quant Time: Jun 16 06:03:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 276470   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 477587   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 453073   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 210677   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 163318   | 55.047   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.100% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 157245   | 51.202   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.400% |
| 50) Toluene-d8              | 10.332 | 98    | 564646   | 48.629   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.260%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 192887   | 45.760   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.520%  |

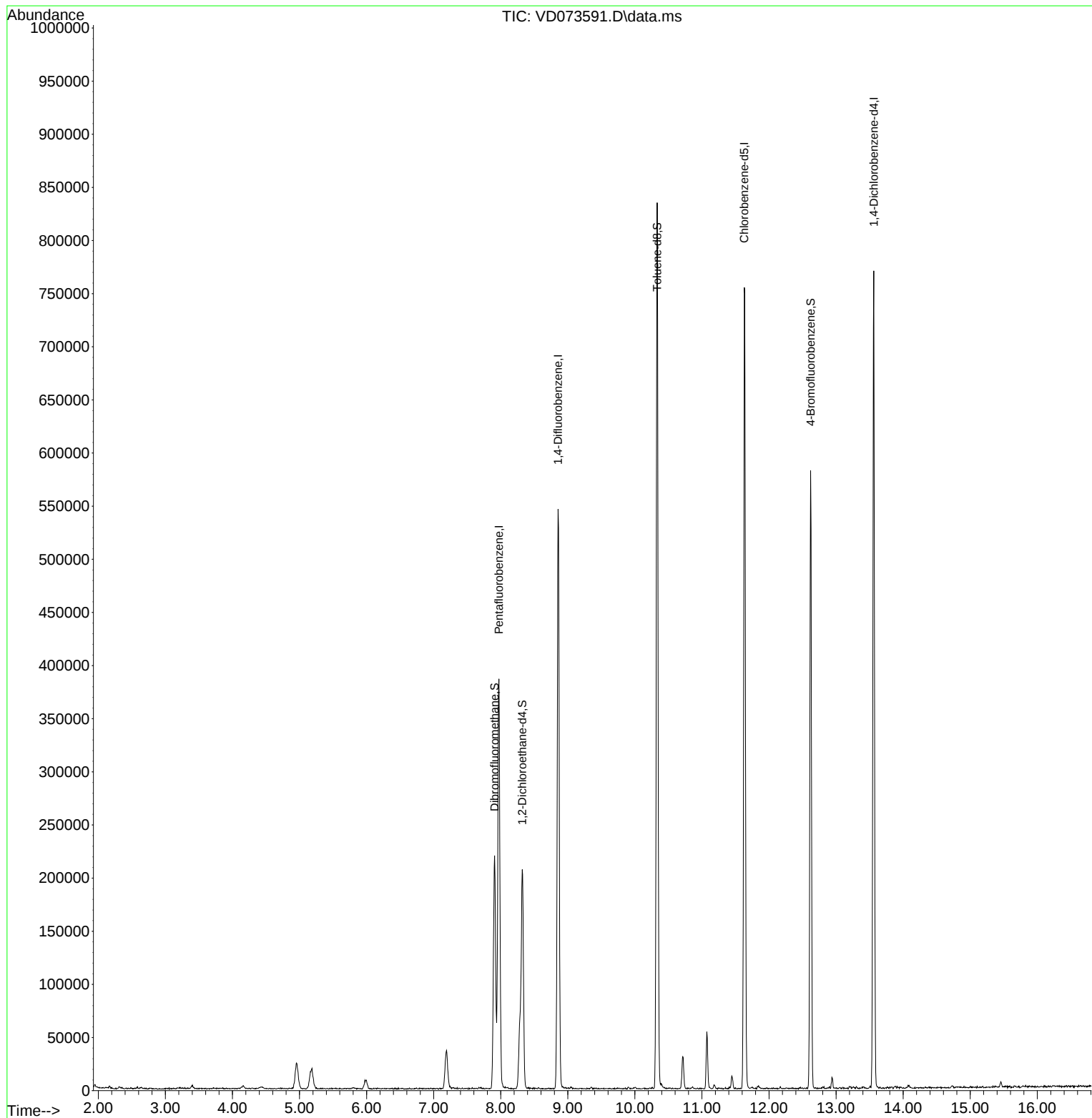
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

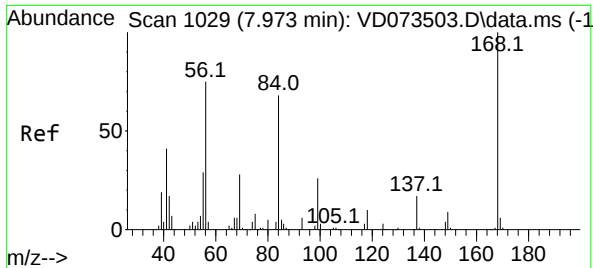
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 2022  
Response via : Initial Calibration

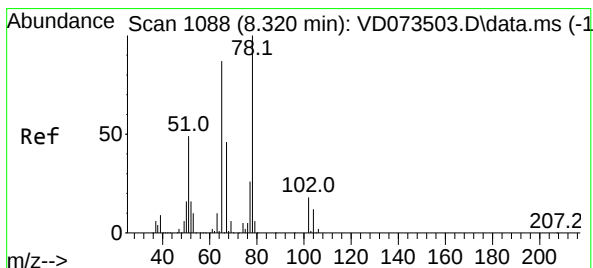
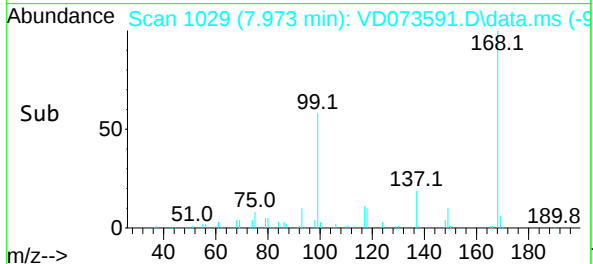
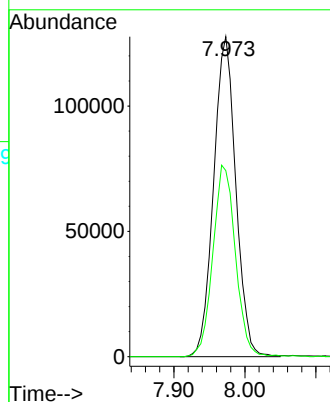
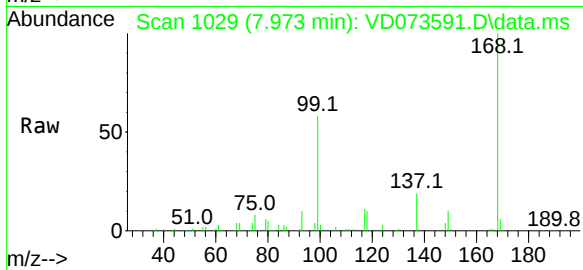




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

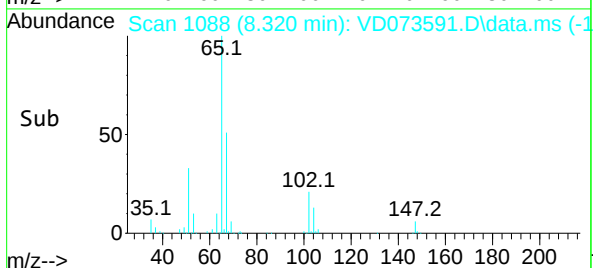
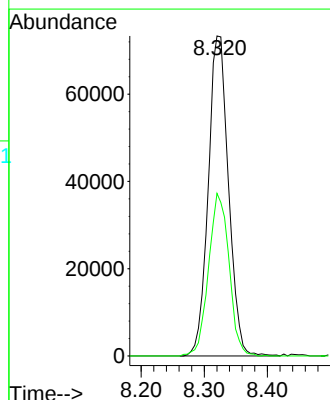
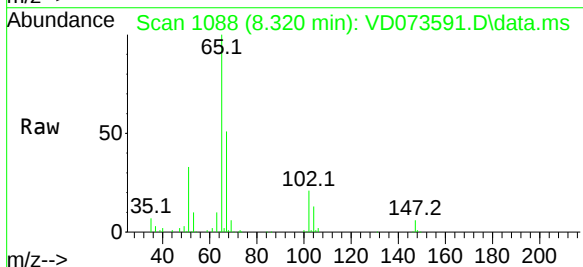
Instrument :  
MSVOA\_D  
ClientSampleId :  
PALMYRA-RT-73-COMP-1

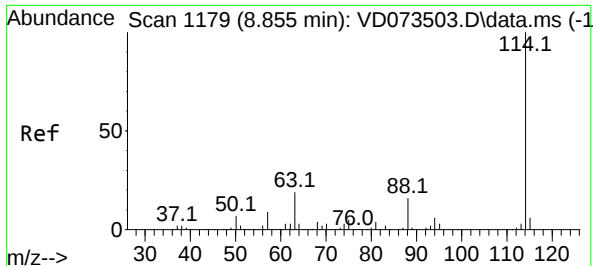
Tgt Ion:168 Resp: 276470  
Ion Ratio Lower Upper  
168 100  
99 58.2 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 55.047 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

Tgt Ion: 65 Resp: 163318  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 101.4

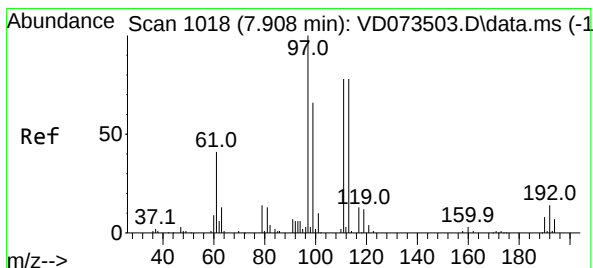
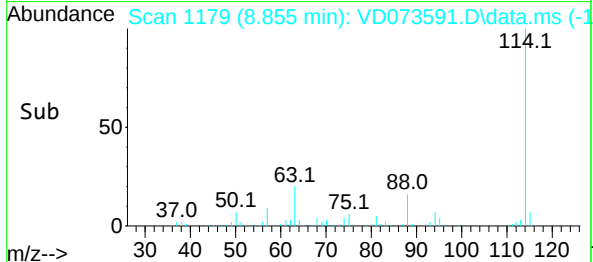
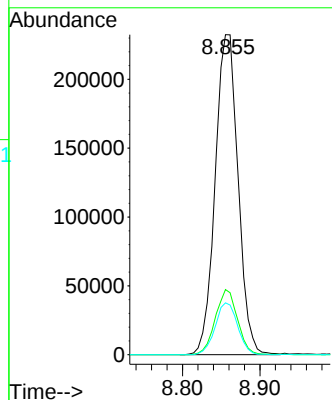
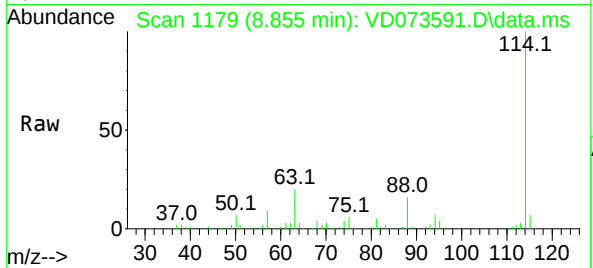




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

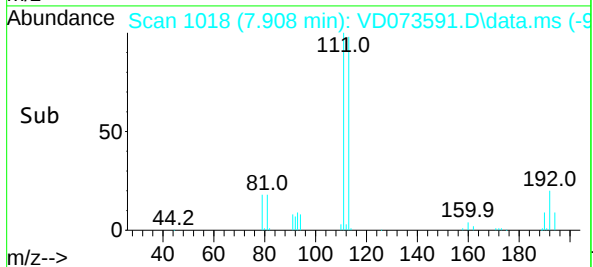
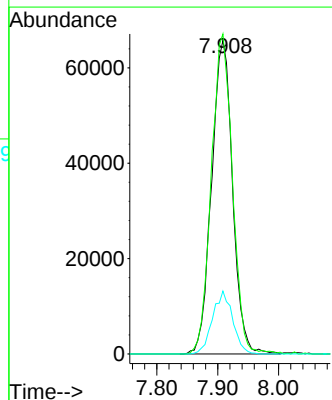
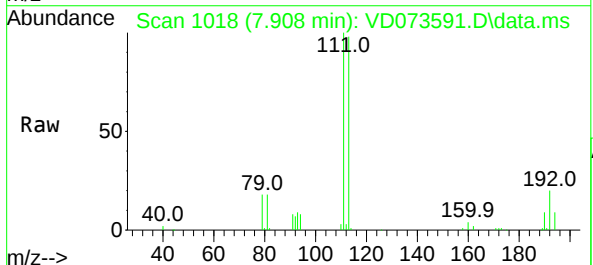
Instrument :  
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PALMYRA-RT-73-COMP-1

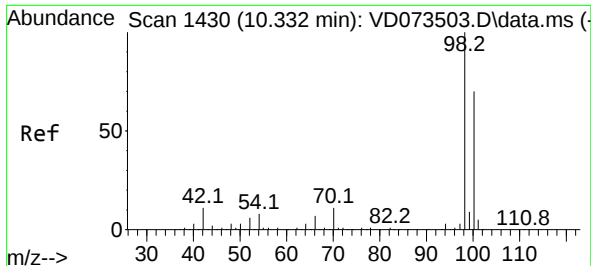
Tgt Ion:114 Resp: 477587  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 46.6  
88 16.2 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 51.202 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

Tgt Ion:113 Resp: 157245  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.8 125.6  
192 19.2 14.6 21.8

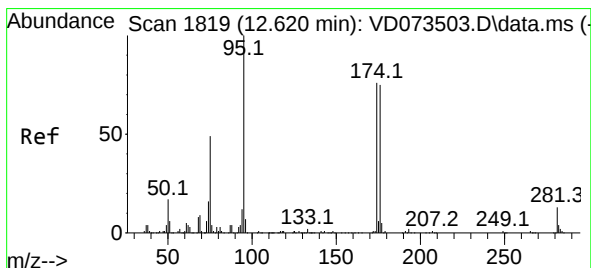
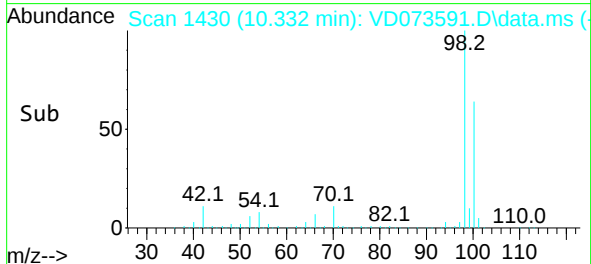
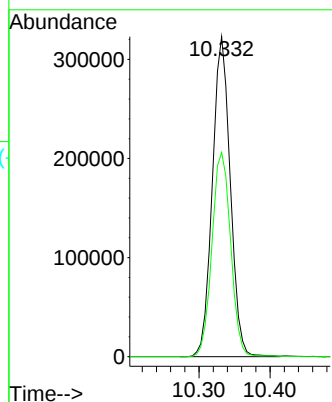
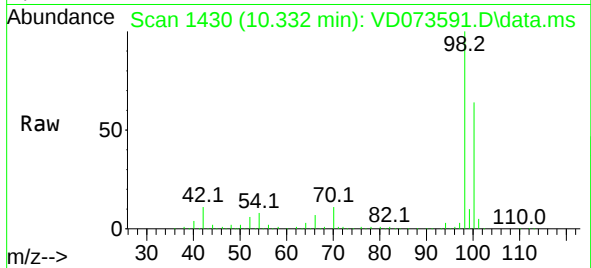




#50  
Toluene-d8  
Concen: 48.629 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

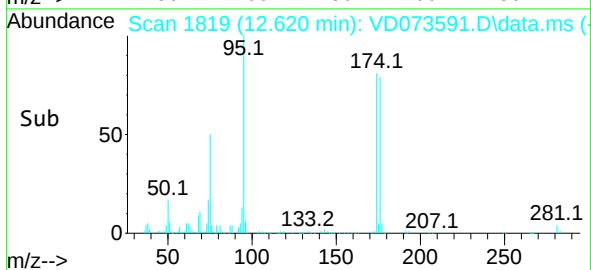
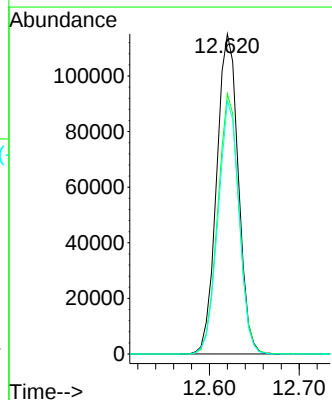
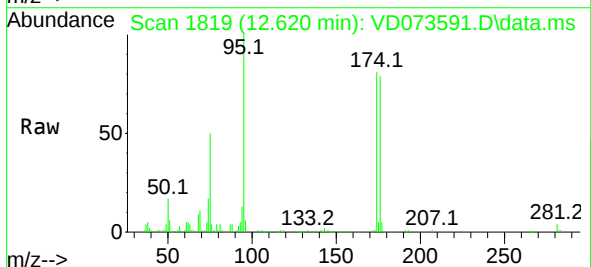
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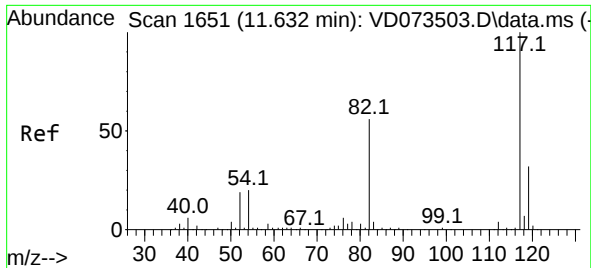
Tgt Ion: 98 Resp: 564646  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 45.760 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

Tgt Ion: 95 Resp: 192887  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 152.8  
176 76.8 0.0 145.4

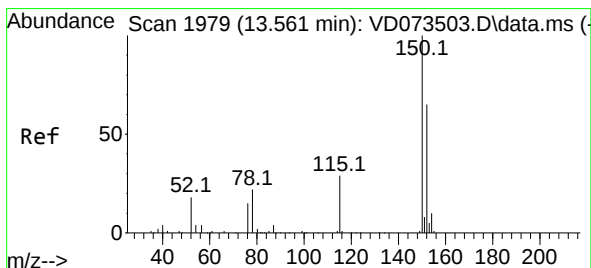
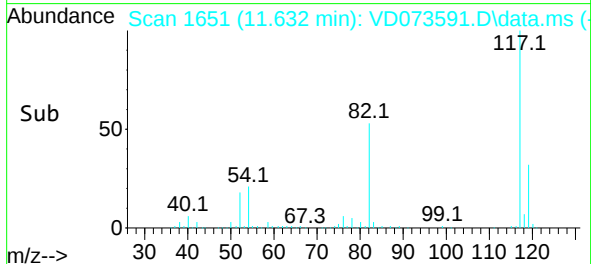
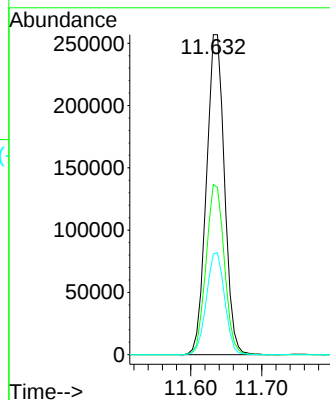
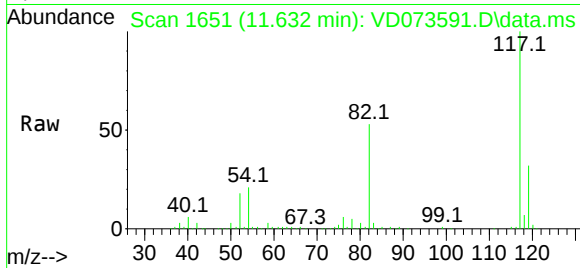




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:117 Resp: 453073  
Ion Ratio Lower Upper  
117 100  
82 53.2 45.3 67.9  
119 31.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073591.D  
Acq: 15 Jun 2022 15:05

Tgt Ion:152 Resp: 210677  
Ion Ratio Lower Upper  
152 100  
115 59.7 31.3 93.8  
150 155.2 0.0 348.6

