

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052422\  
 Data File : VD073351.D  
 Acq On : 25 May 2022 05:13  
 Operator : VA/SY  
 Sample : N2886-07  
 Misc : 5.40G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P020-SS001-2430-01

Quant Time: May 25 06:44:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 290996   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 513269   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 550636   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 260016   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 157178   | 48.87    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 97.74%   |
| 35) Dibromofluoromethane    | 7.914  | 113   | 174639   | 51.56    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 103.12%  |
| 50) Toluene-d8              | 10.332 | 98    | 636009   | 50.94    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.88%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 247117   | 56.40    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 112.80%  |

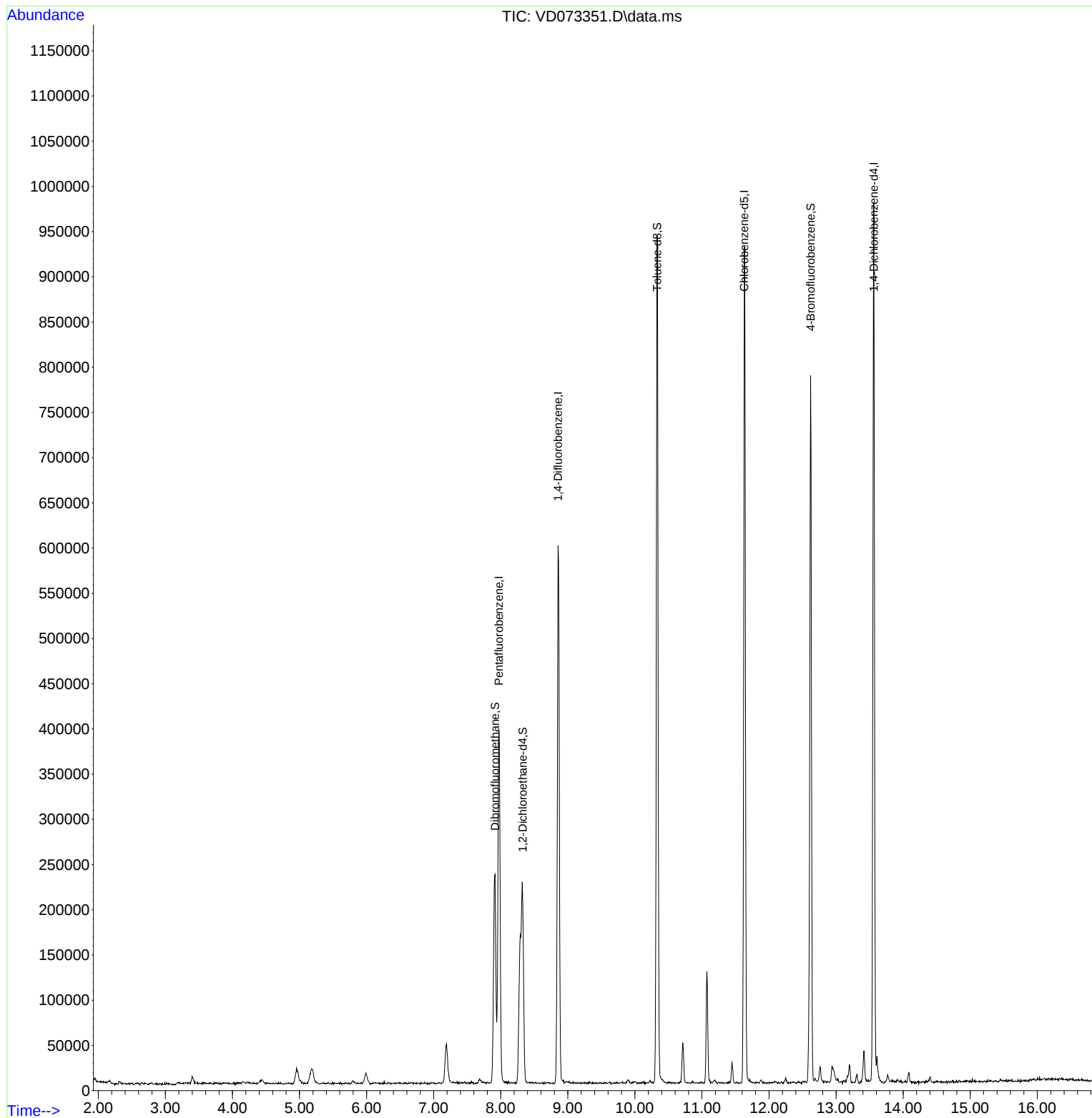
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            | -----  |

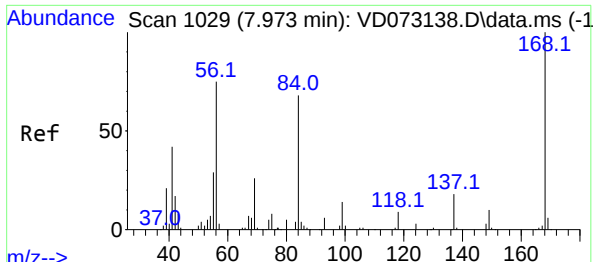
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073351.D

Acq: 25 May 2022 05:13

Instrument :

MSVOA\_D

ClientSampleId :

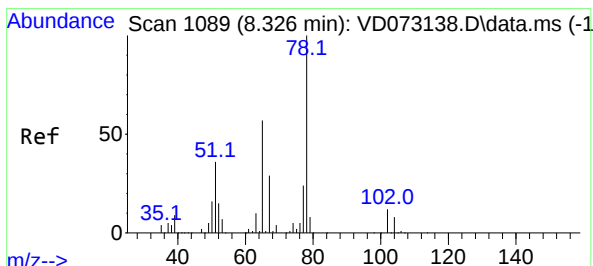
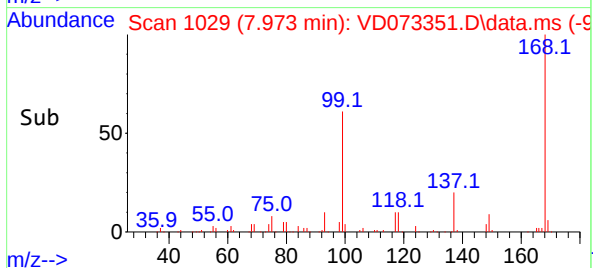
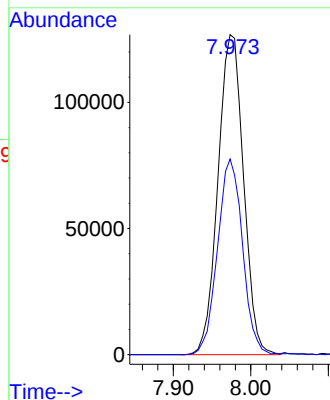
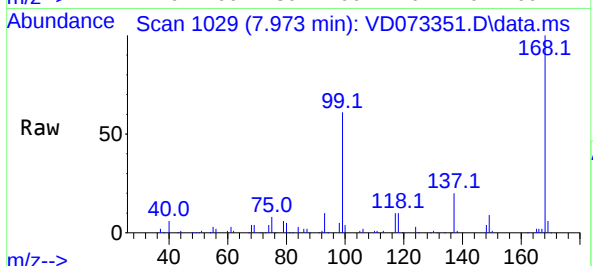
P020-SS001-2430-01

Tgt Ion:168 Resp: 290996

Ion Ratio Lower Upper

168 100

99 61.1 49.8 74.6



1,2-Dichloroethane-d4

Concen: 48.87 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073351.D

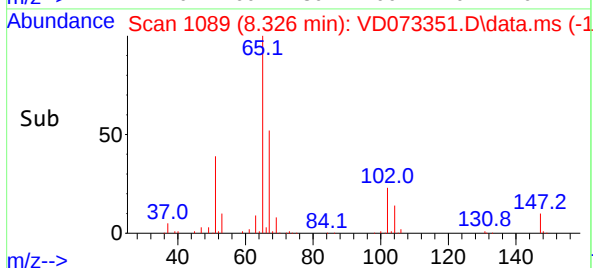
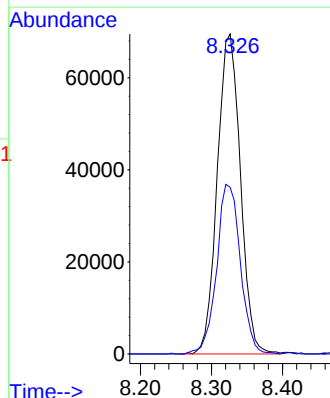
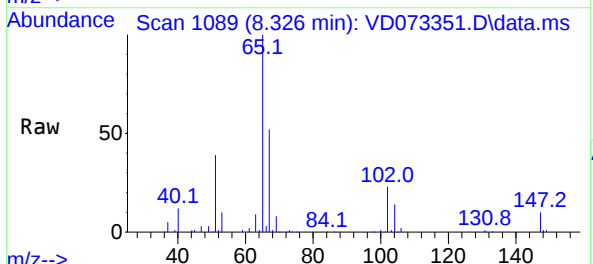
Acq: 25 May 2022 05:13

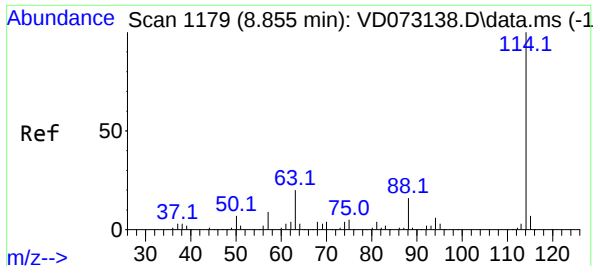
Tgt Ion: 65 Resp: 157178

Ion Ratio Lower Upper

65 100

67 54.2 0.0 101.4

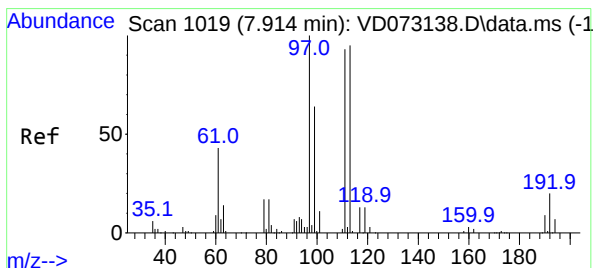
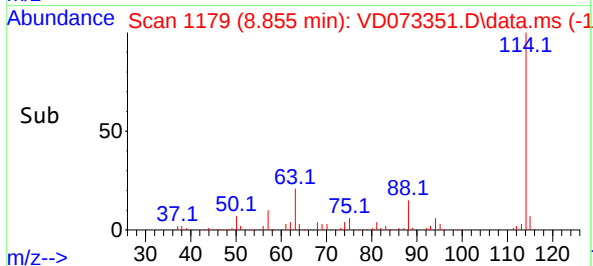
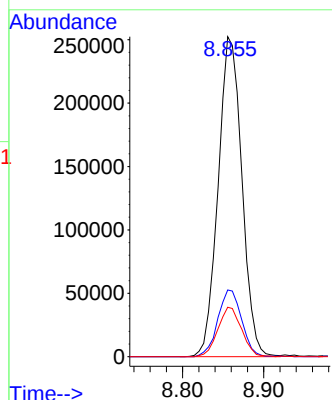
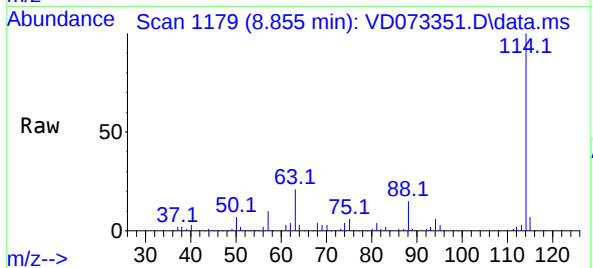




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

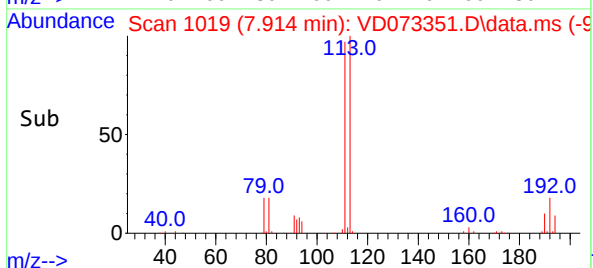
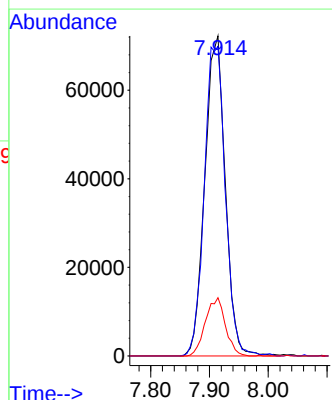
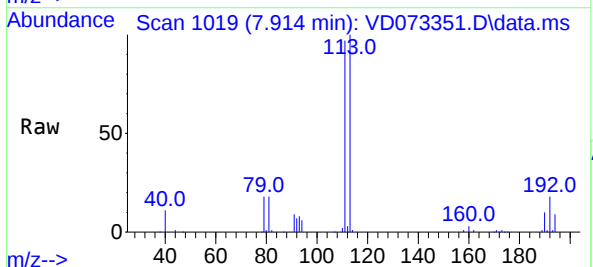
Instrument :  
MSVOA\_D  
ClientSampleId :  
P020-SS001-2430-01

Tgt Ion:114 Resp: 513269  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 46.6  
88 15.4 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 51.56 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

Tgt Ion:113 Resp: 174639  
Ion Ratio Lower Upper  
113 100  
111 99.9 83.8 125.6  
192 17.8 14.6 21.8

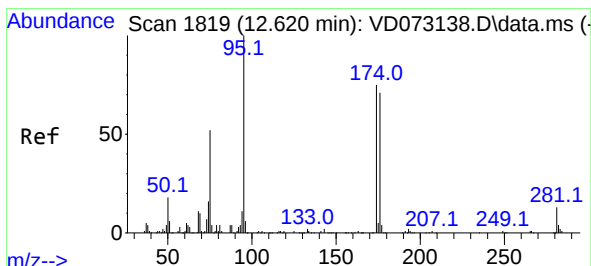
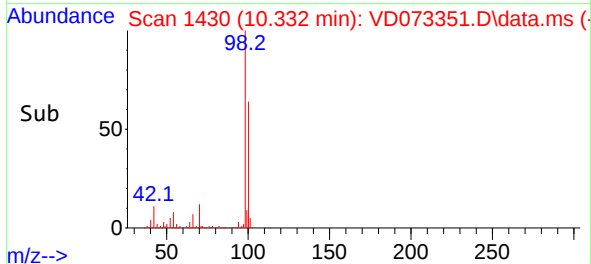
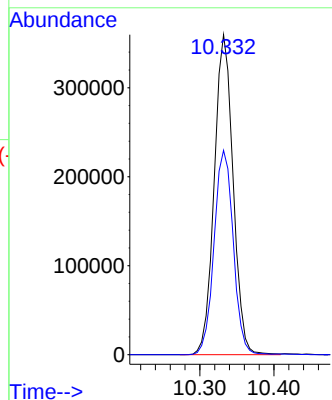
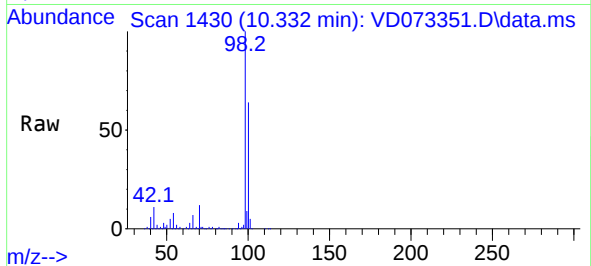




#50  
Toluene-d8  
Concen: 50.94 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

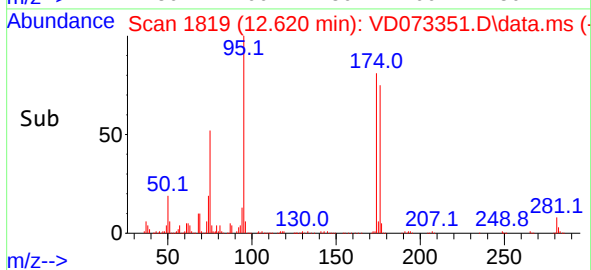
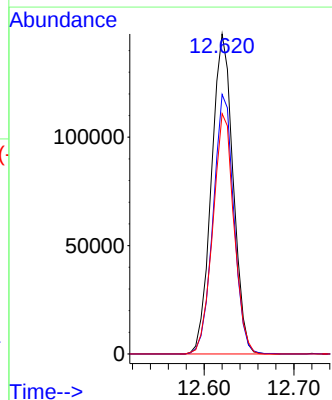
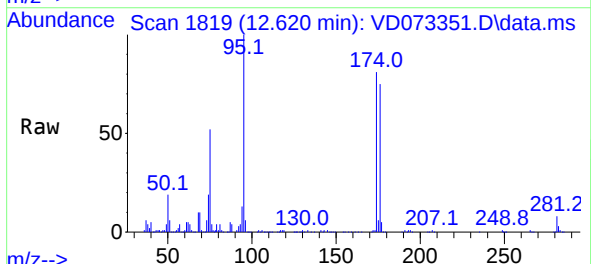
Instrument :  
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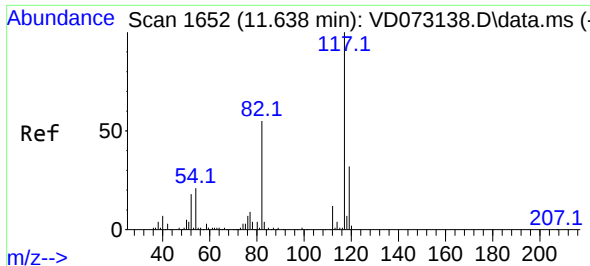
Tgt Ion: 98 Resp: 636009  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 56.40 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

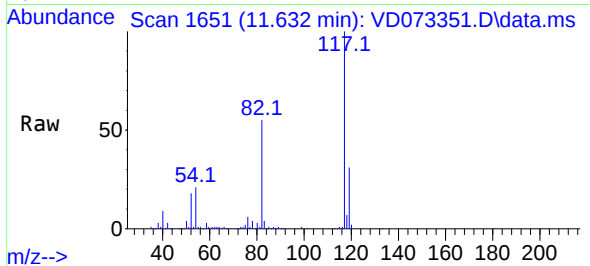
Tgt Ion: 95 Resp: 247117  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 152.8  
176 73.3 0.0 145.4



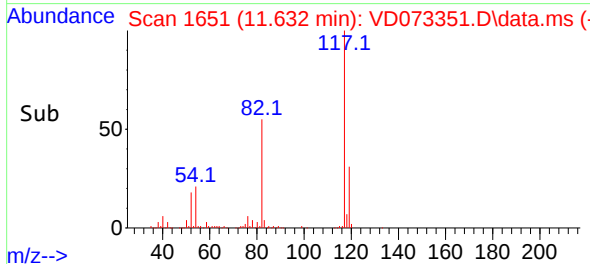
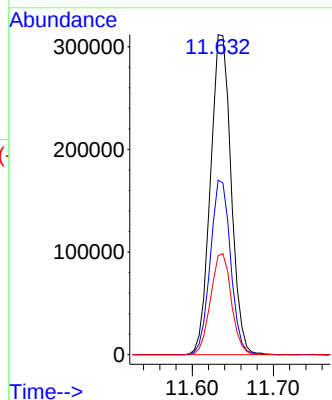


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
P020-SS001-2430-01



Tgt Ion:117 Resp: 550636  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.3 67.9  
119 31.0 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073351.D  
Acq: 25 May 2022 05:13

Tgt Ion:152 Resp: 260016  
Ion Ratio Lower Upper  
152 100  
115 60.6 31.3 93.8  
150 155.4 0.0 348.6

