

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052022\  
 Data File : VD073220.D  
 Acq On : 21 May 2022 10:10  
 Operator : VA/SY  
 Sample : N2885-16  
 Misc : 5.60G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P008-SS004-0006-01

Quant Time: May 22 00:01:42 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

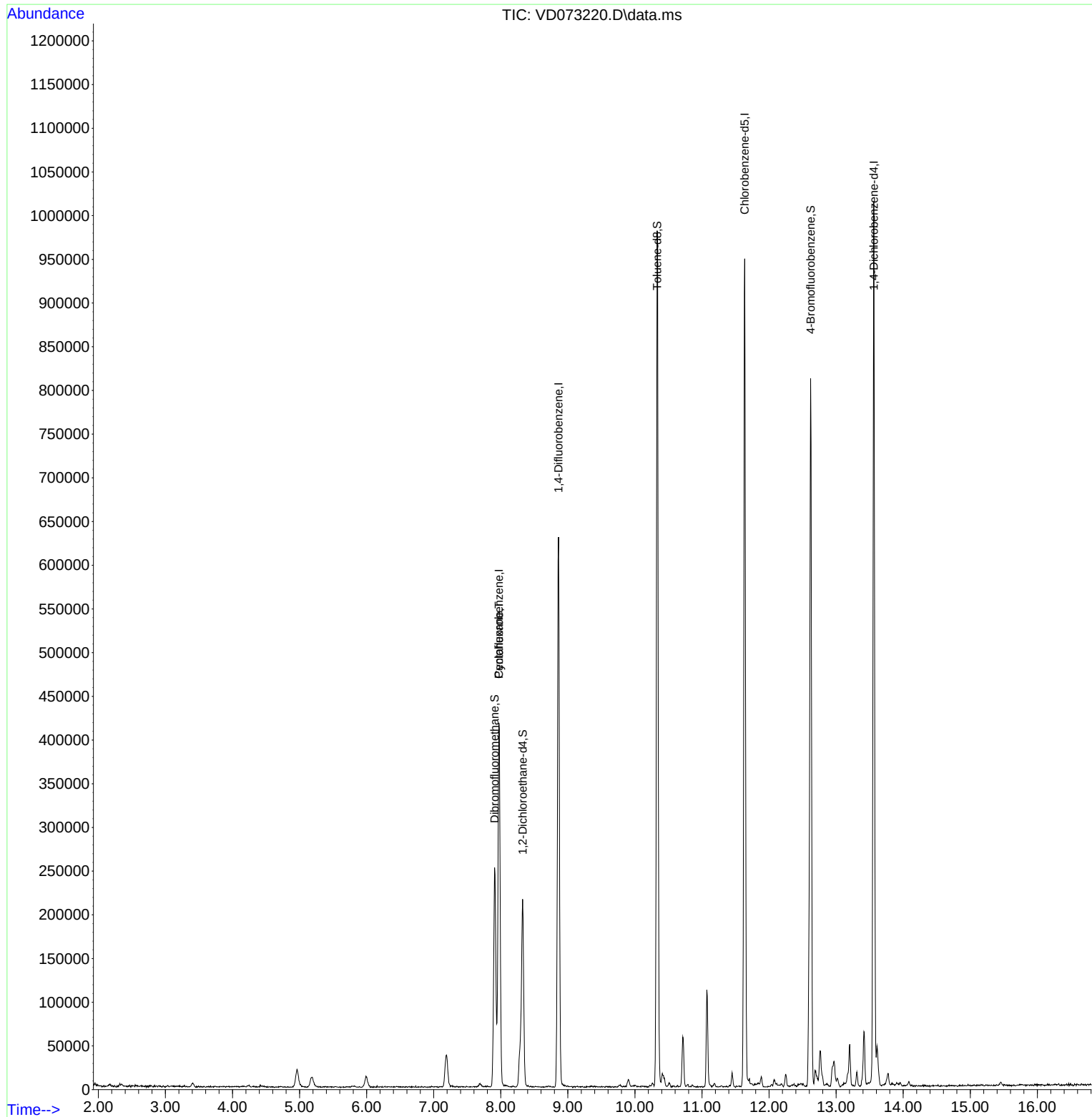
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 300242   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 531074   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 550011   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 259238   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 163856   | 49.382   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 98.760%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 175221   | 50.001   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 100.000% |
| 50) Toluene-d8              | 10.332 | 98    | 657968   | 50.934   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 101.860% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 255450   | 56.348   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 112.700% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 31) Cyclohexane             | 7.973  | 56    | 7580     | 1.307    | ug/l # | 26       |
| -----                       |        |       |          |          |        |          |

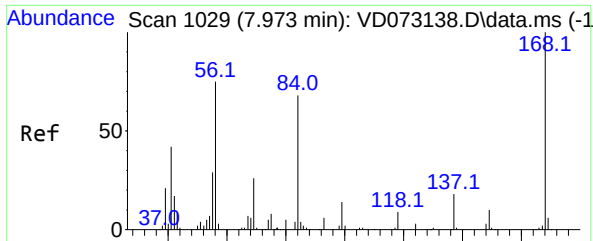
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

Instrument :

MSVOA\_D

ClientSampleId :

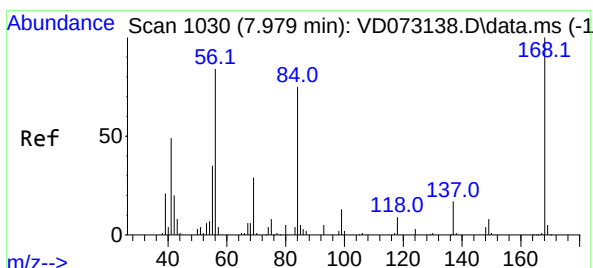
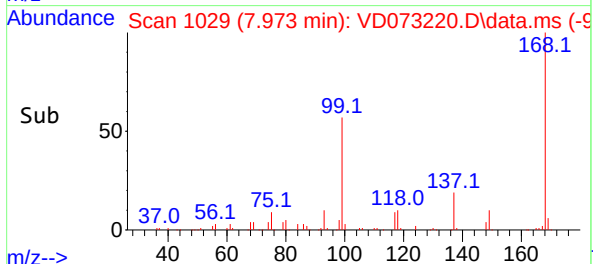
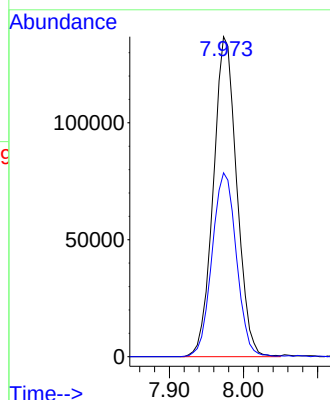
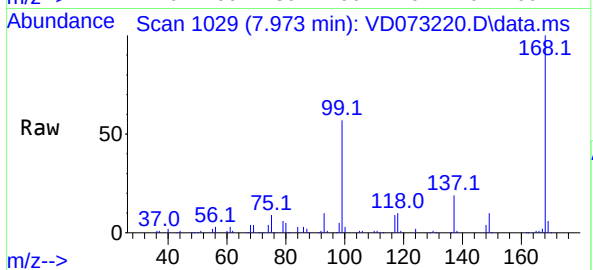
P008-SS004-0006-01

Tgt Ion:168 Resp: 300242

Ion Ratio Lower Upper

168 100

99 57.4 49.8 74.6



Cyclohexane

Concen: 1.307 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

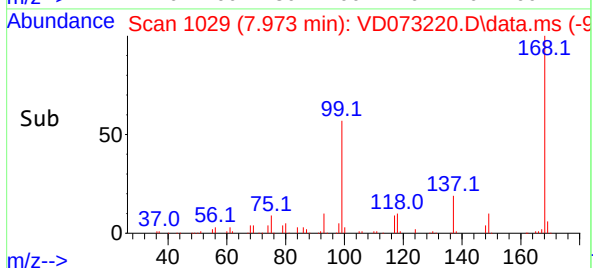
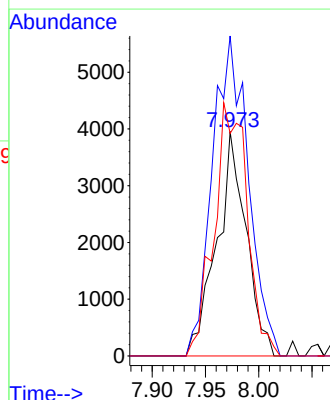
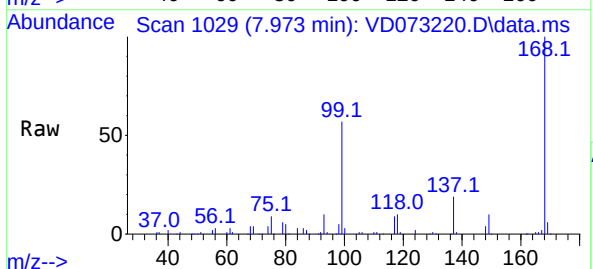
Tgt Ion: 56 Resp: 7580

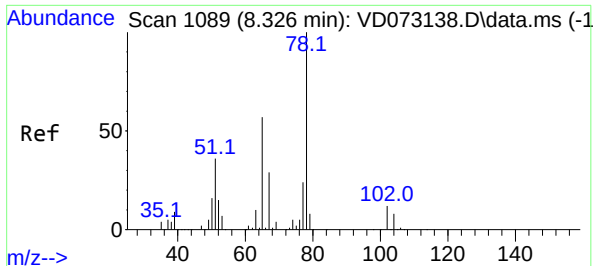
Ion Ratio Lower Upper

56 100

69 142.5 25.4 38.2#

84 99.1 63.0 94.4#

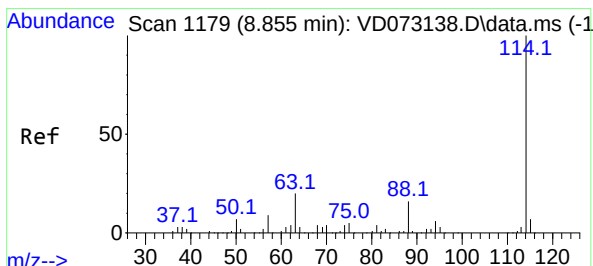
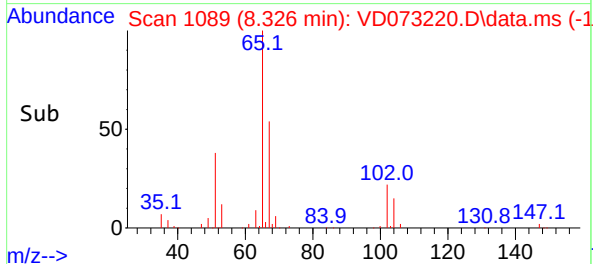
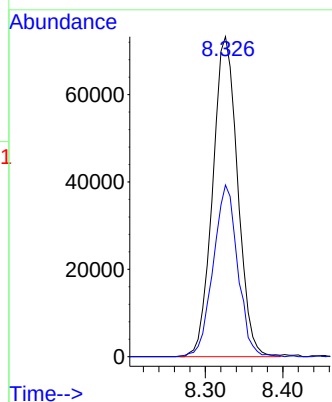
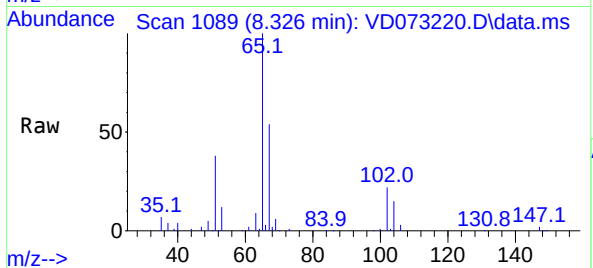




#33  
1,2-Dichloroethane-d4  
Concen: 49.382 ug/l  
RT: 8.326 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

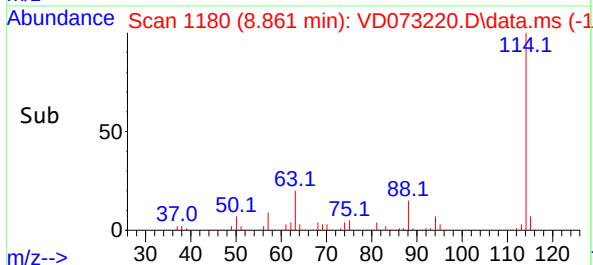
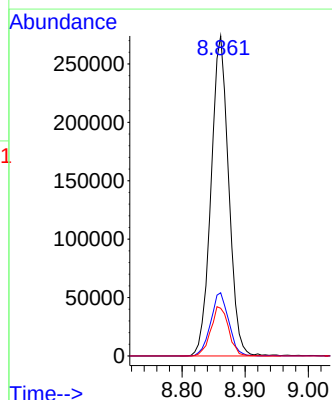
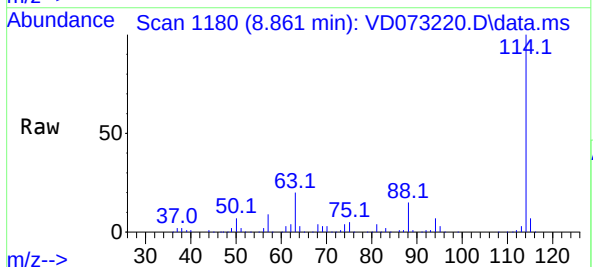
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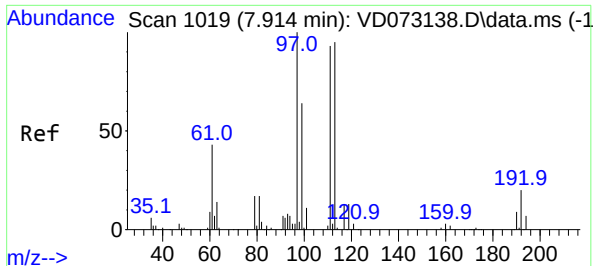
Tgt Ion: 65 Resp: 163856  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.006 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

Tgt Ion: 114 Resp: 531074  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 46.6  
88 14.9 0.0 33.2

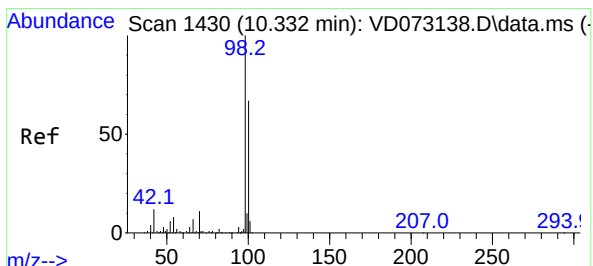
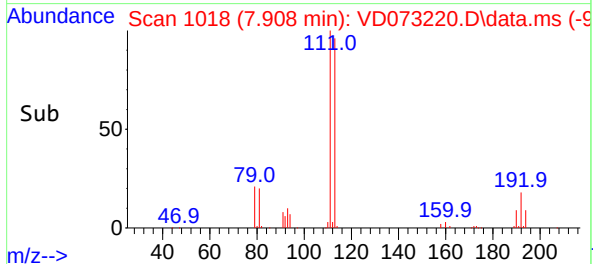
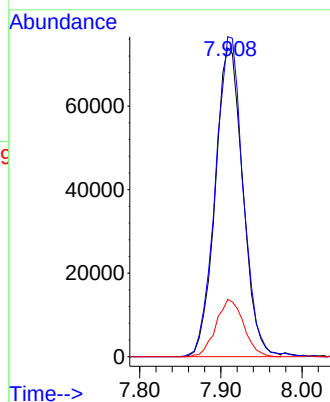
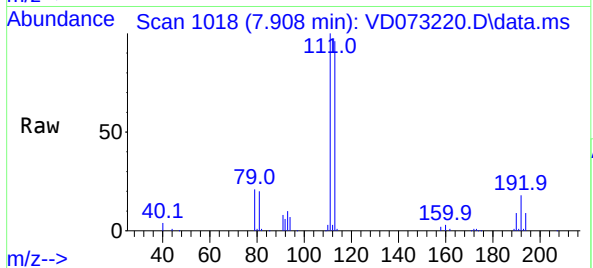




#35  
Dibromofluoromethane  
Concen: 50.001 ug/l  
RT: 7.908 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

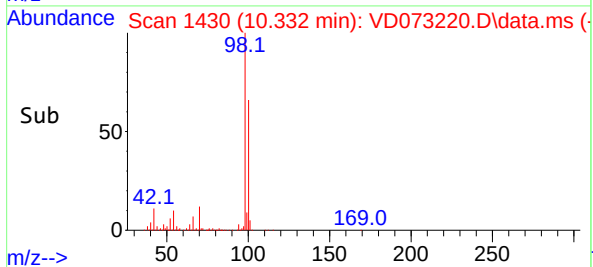
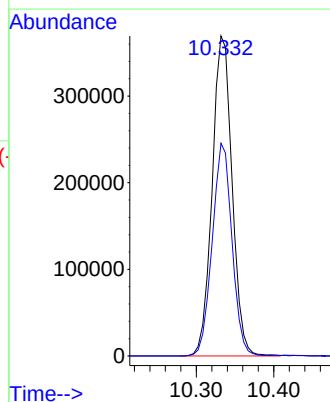
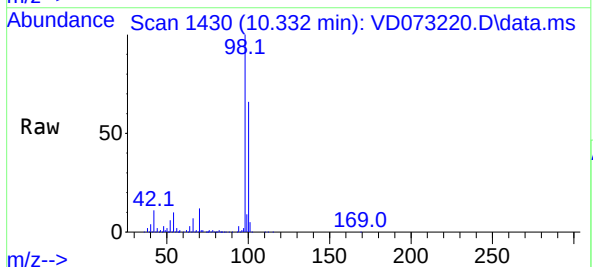
Instrument :  
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ClientSampleId :  
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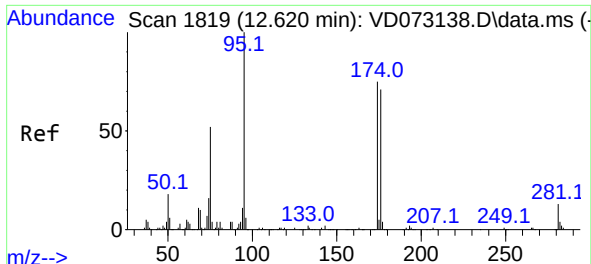
Tgt Ion:113 Resp: 175221  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.8 125.6  
192 18.5 14.6 21.8



#50  
Toluene-d8  
Concen: 50.934 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

Tgt Ion: 98 Resp: 657968  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6

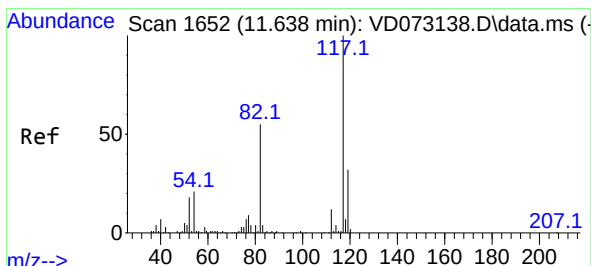
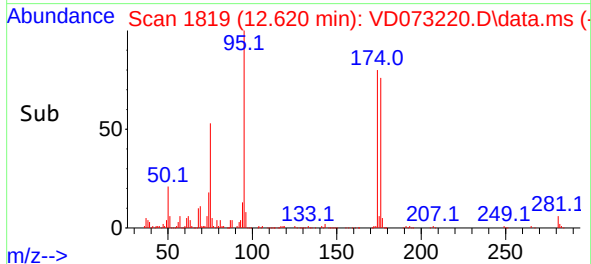
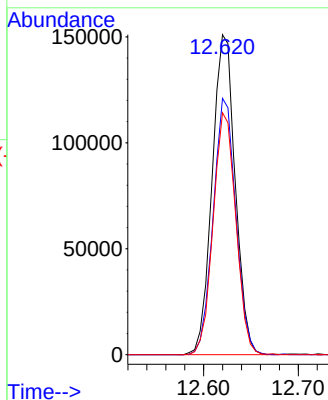
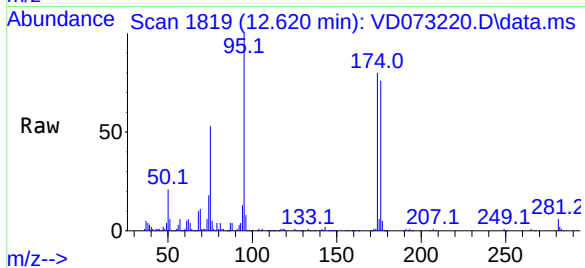




#62  
4-Bromofluorobenzene  
Concen: 56.348 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

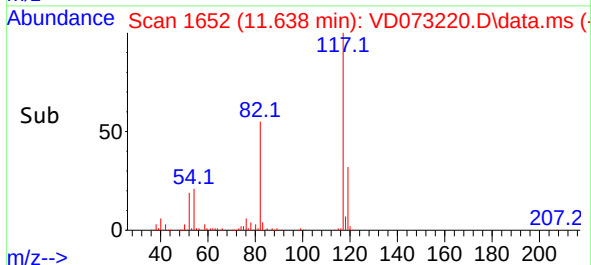
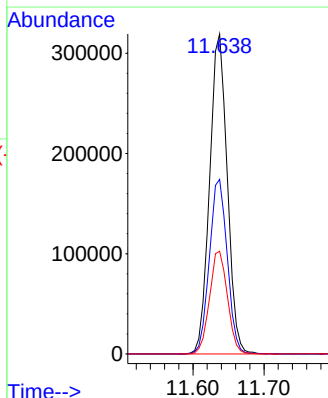
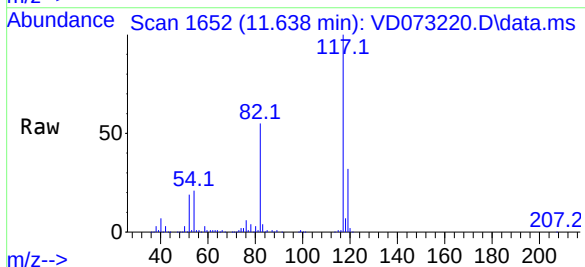
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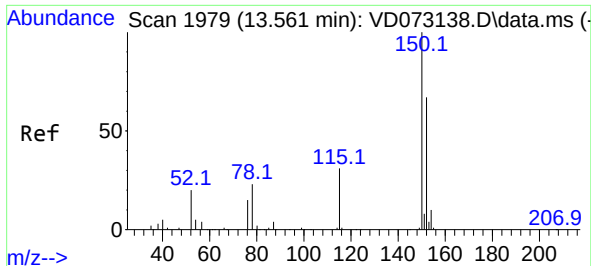
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 255450 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 78.9  | 0.0   | 152.8  |
| 176      | 74.4  | 0.0   | 145.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD073220.D  
Acq: 21 May 2022 10:10

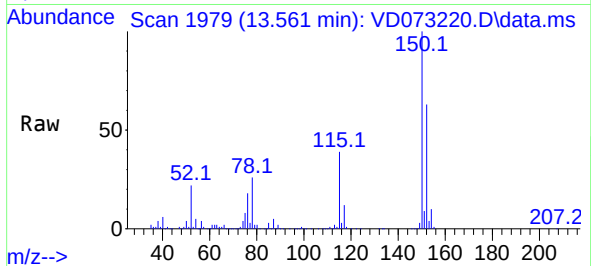
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 550011 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.6  | 45.3  | 67.9   |
| 119      | 32.1  | 26.6  | 40.0   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. -0.000 min  
 Lab File: VD073220.D  
 Acq: 21 May 2022 10:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P008-SS004-0006-01



Tgt Ion:152 Resp: 259238

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.3  | 31.3  | 93.8  |
| 150 | 156.5 | 0.0   | 348.6 |

