

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040522\  
 Data File : VD072539.D  
 Acq On : 05 Apr 2022 17:10  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Apr 06 01:14:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

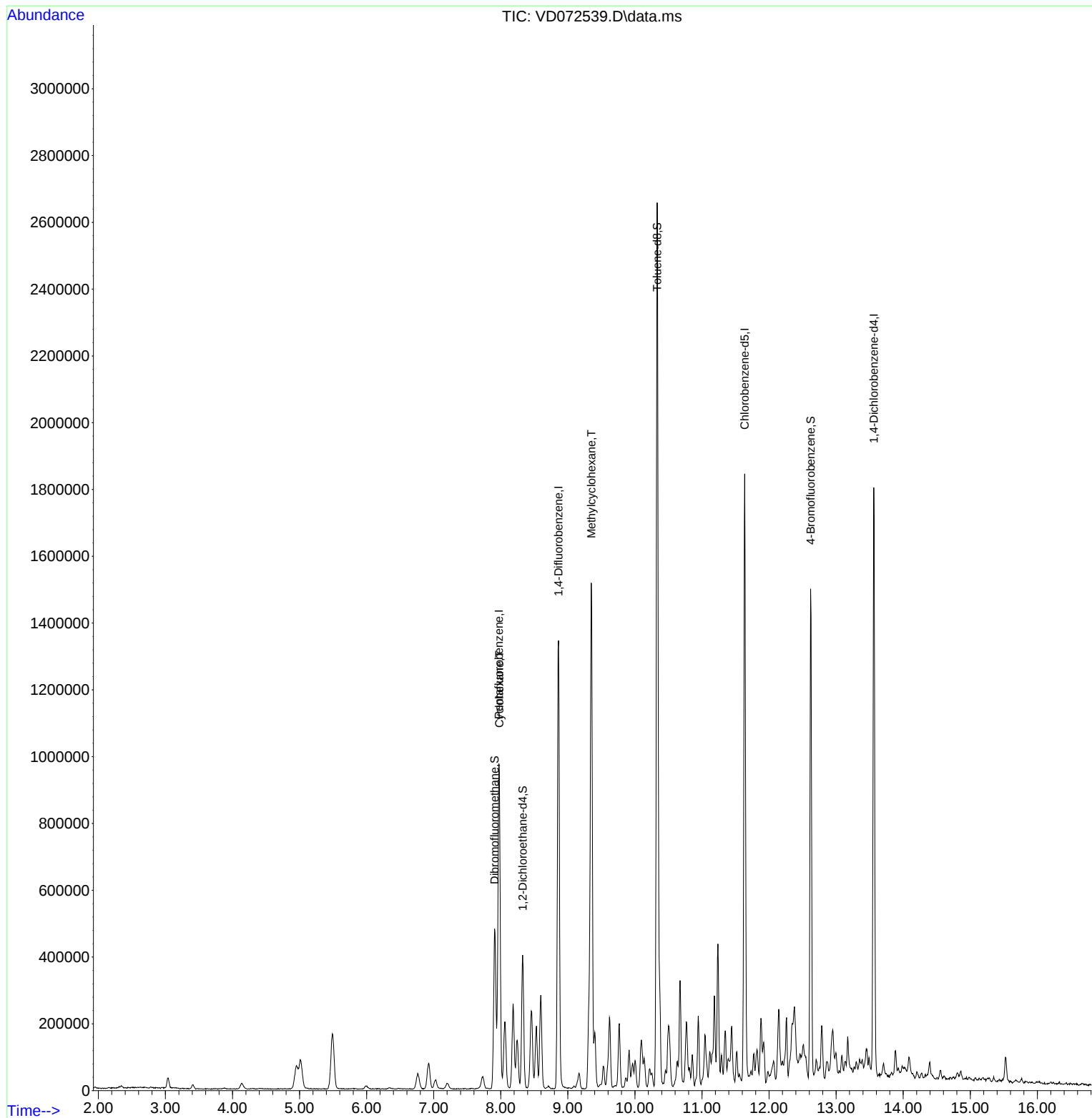
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 658531   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 1188176  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.637 | 117   | 1071047  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 484987   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 311485   | 39.101   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 78.200%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 348334   | 37.724   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 75.440%  |
| 50) Toluene-d8              | 10.331 | 98    | 1462122  | 45.553   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 91.100%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 498069   | 39.733   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 79.460%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 31) Cyclohexane             | 7.979  | 56    | 68989    | 6.623    | ug/l # | 60       |
| 39) Methylcyclohexane       | 9.349  | 83    | 655066   | 47.802   | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

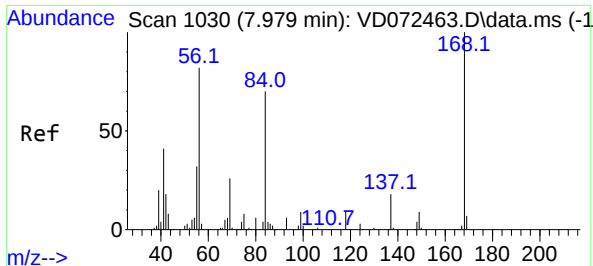
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
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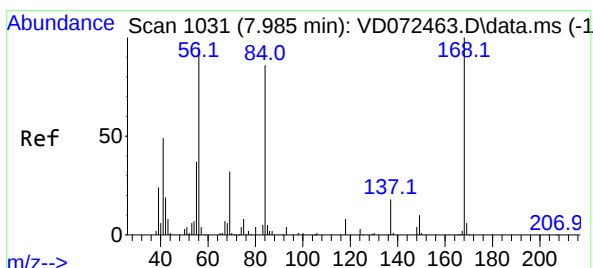
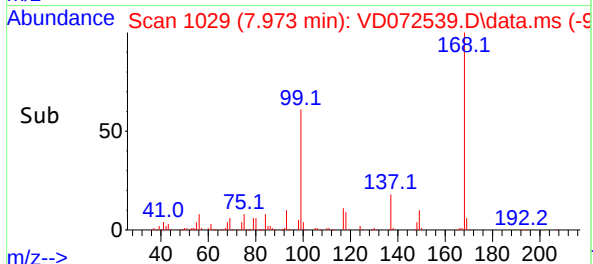
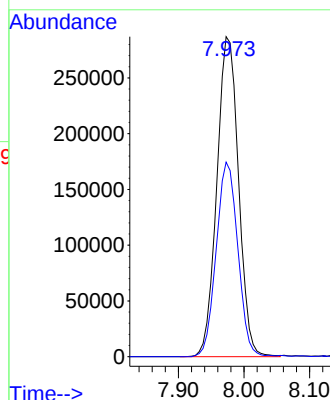
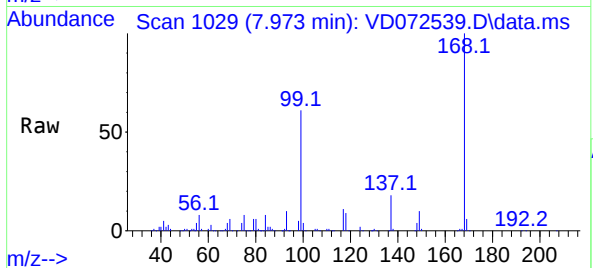




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

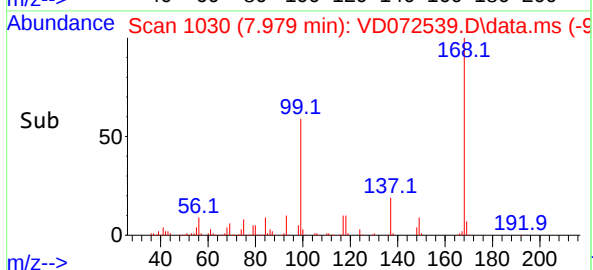
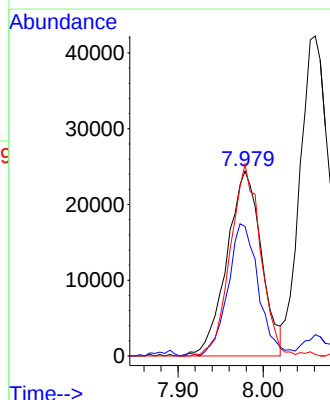
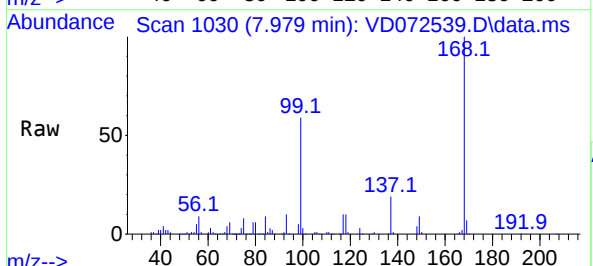
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

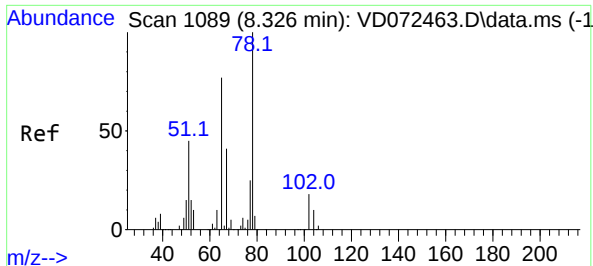
Tgt Ion:168 Resp: 658531  
Ion Ratio Lower Upper  
168 100  
99 60.8 49.8 74.6



#31  
Cyclohexane  
Concen: 6.623 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

Tgt Ion: 56 Resp: 68989  
Ion Ratio Lower Upper  
56 100  
69 70.2 25.4 38.2#  
84 103.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 39.101 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

Instrument :

MSVOA\_D

ClientSampleId :

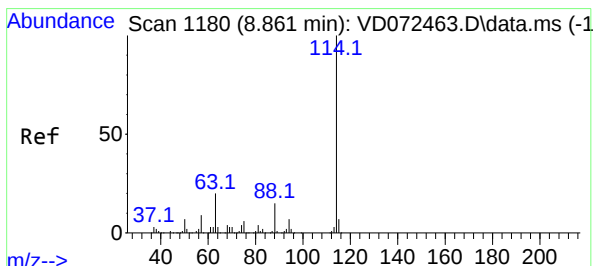
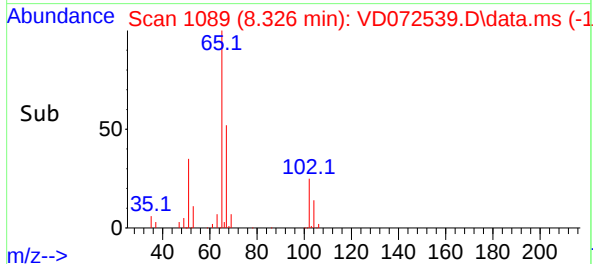
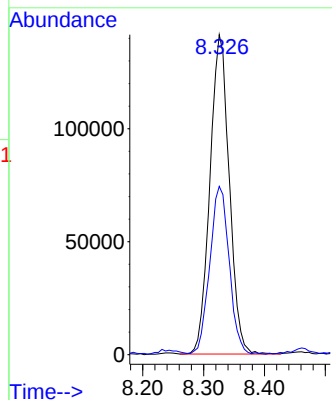
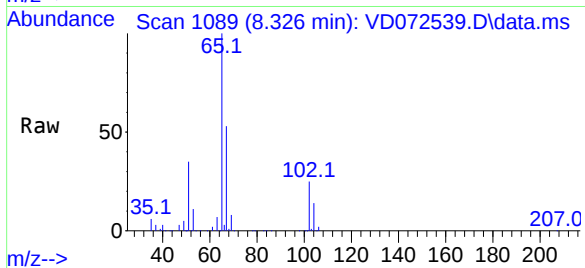
VIBLK

Tgt Ion: 65 Resp: 311485

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

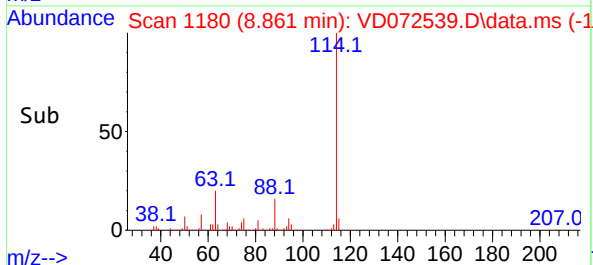
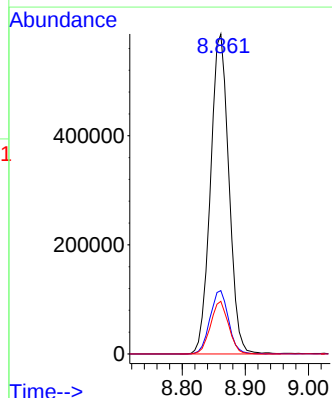
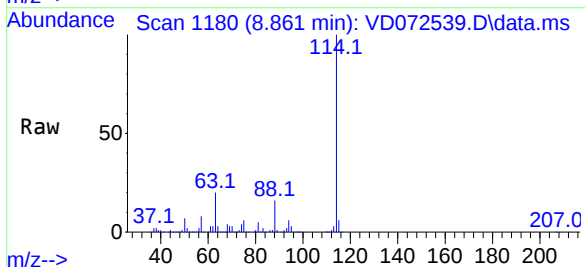
Tgt Ion: 114 Resp: 1188176

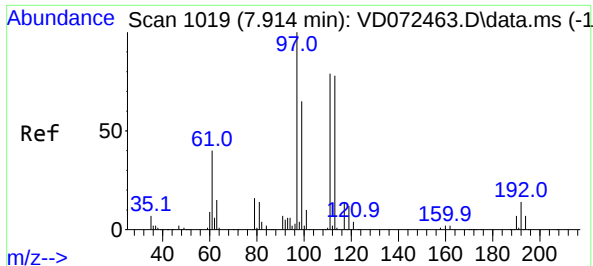
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 37.724 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

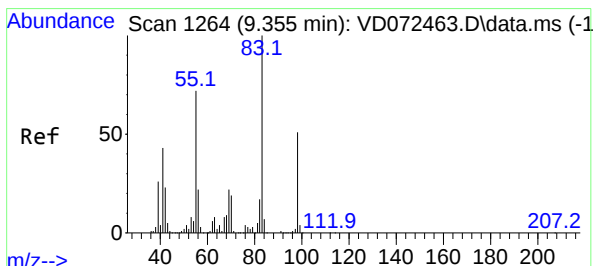
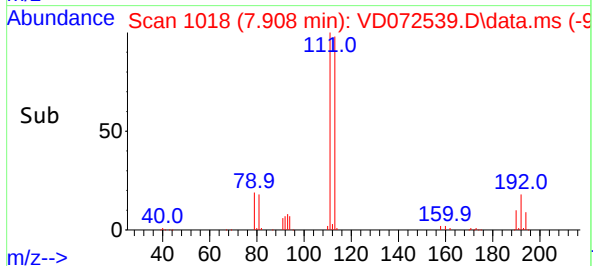
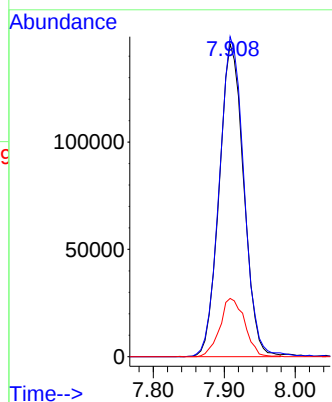
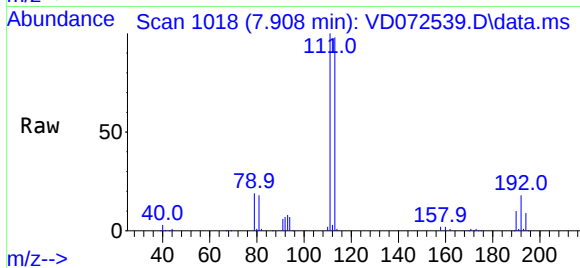
Tgt Ion:113 Resp: 348334

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.9 14.6 21.8



#39

Methylcyclohexane

Concen: 47.802 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

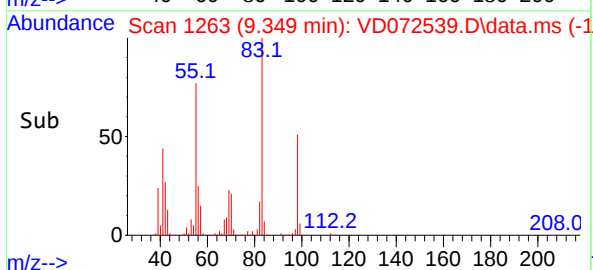
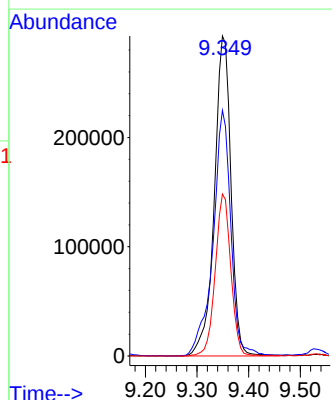
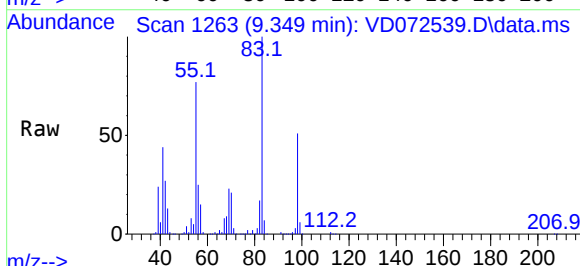
Tgt Ion: 83 Resp: 655066

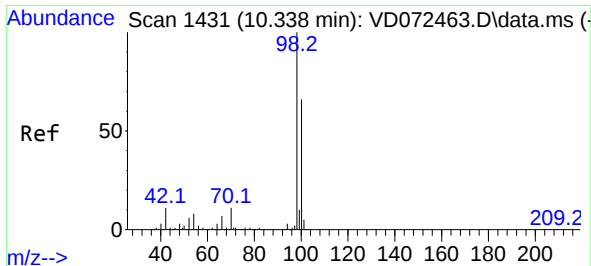
Ion Ratio Lower Upper

83 100

55 76.7 63.2 94.8

98 50.6 38.2 57.4

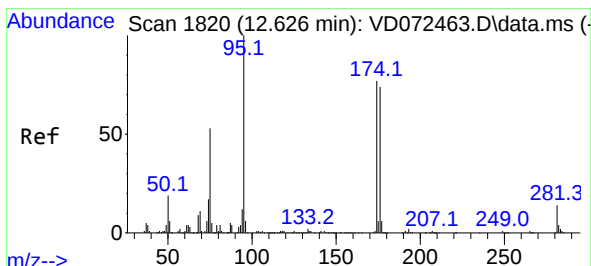
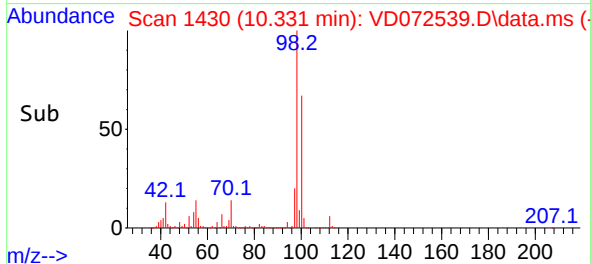
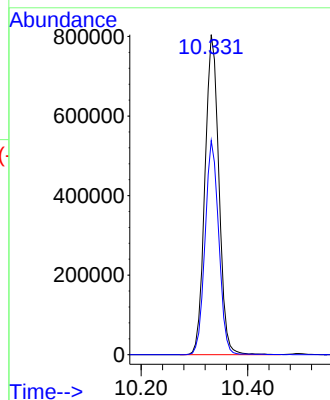
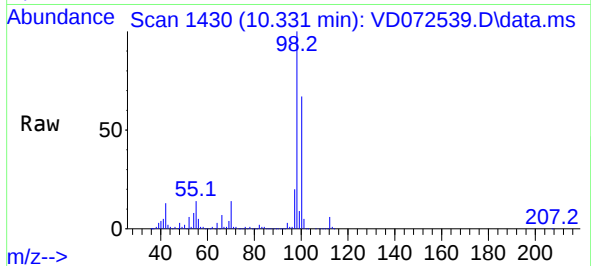




#50  
Toluene-d8  
Concen: 45.553 ug/l  
RT: 10.331 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

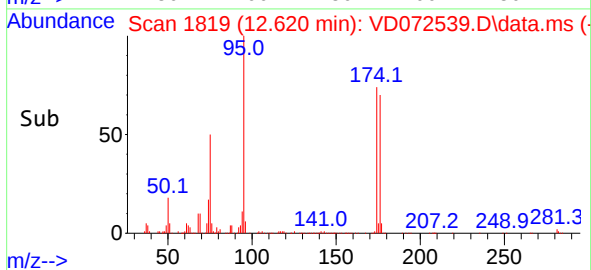
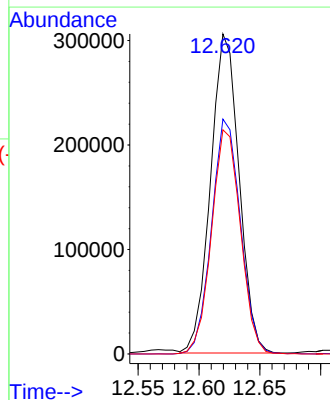
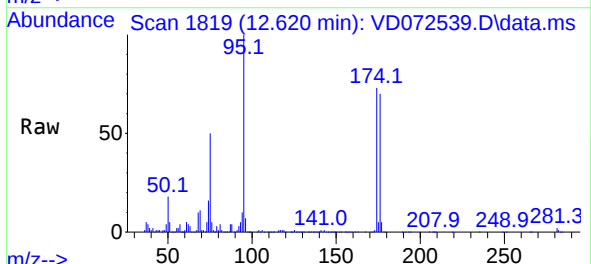
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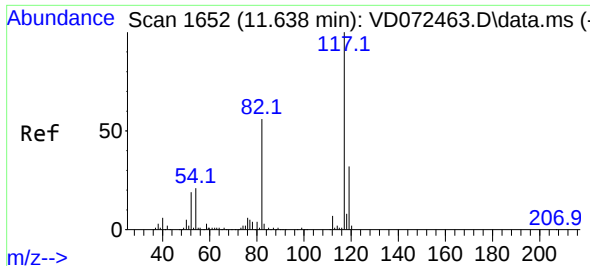
Tgt Ion: 98 Resp: 1462122  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 39.733 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

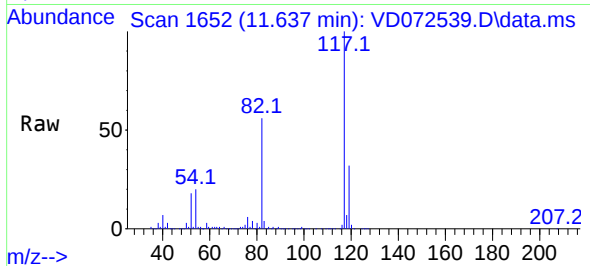
Tgt Ion: 95 Resp: 498069  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 152.8  
176 71.3 0.0 145.4



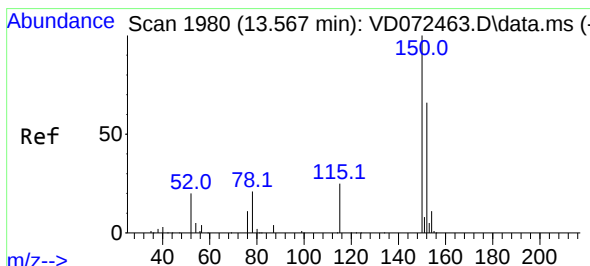
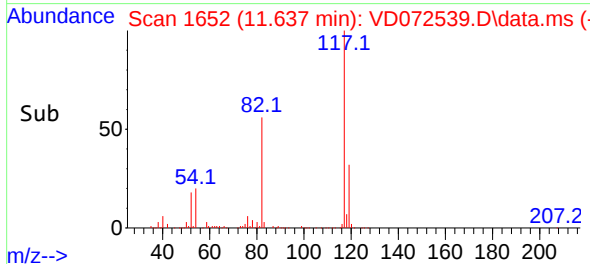
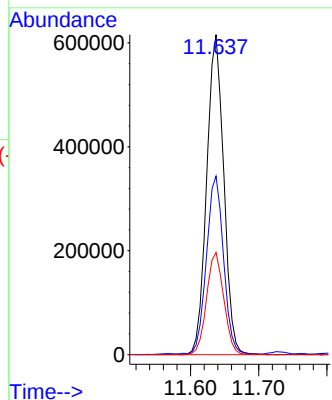


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK



Tgt Ion:117 Resp: 1071047  
Ion Ratio Lower Upper  
117 100  
82 55.5 45.3 67.9  
119 31.9 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072539.D  
Acq: 05 Apr 2022 17:10

Tgt Ion:152 Resp: 484987  
Ion Ratio Lower Upper  
152 100  
115 59.9 31.3 93.8  
150 156.8 0.0 348.6

