

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060922\  
 Data File : VD073513.D  
 Acq On : 09 Jun 2022 16:50  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 10 06:10:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 10 05:32:19 2022  
 Response via : Initial Calibration

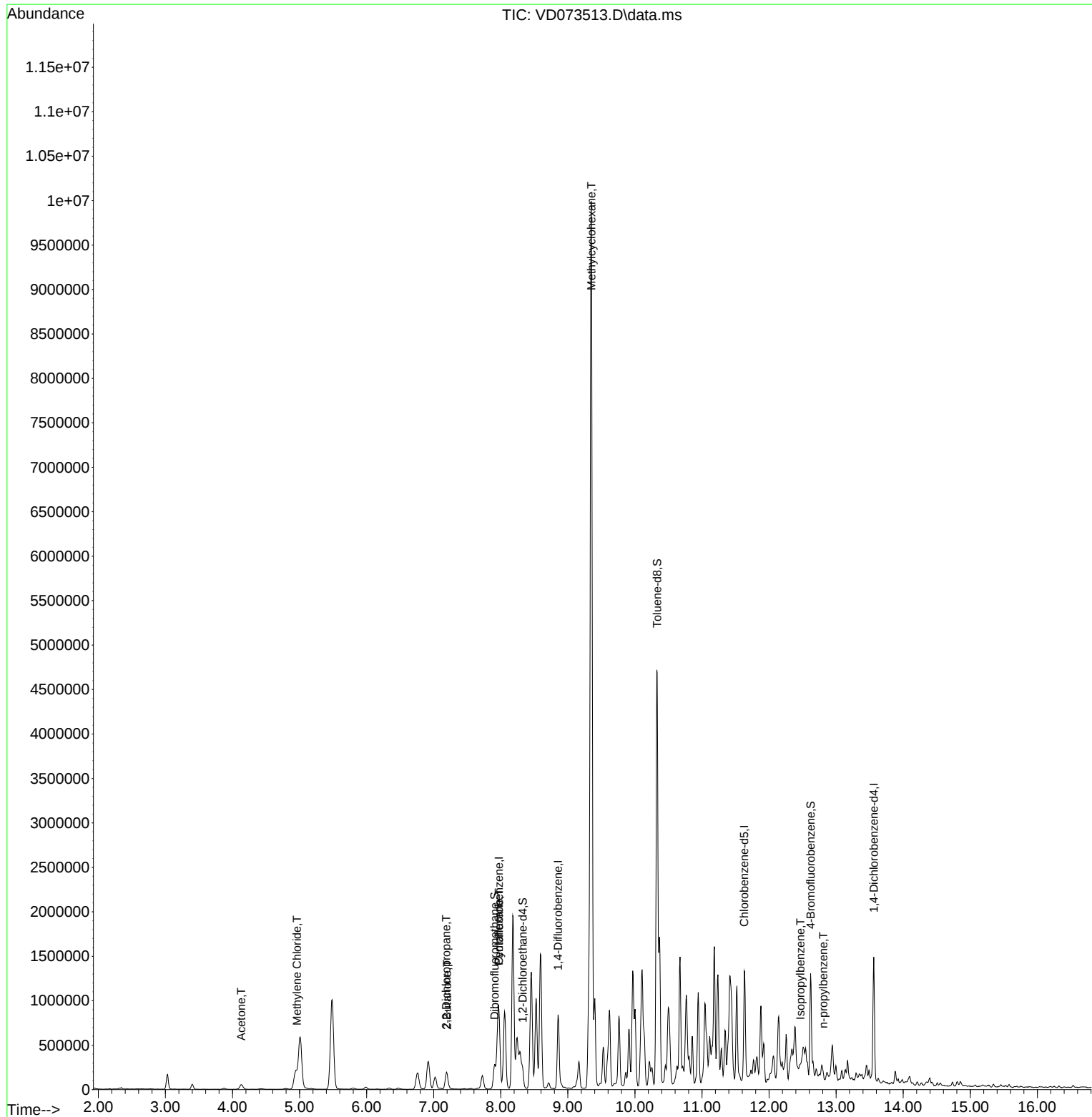
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 374229   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 656152   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 728401   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 374969   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 163973   | 40.830   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 81.660%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 195803   | 46.406   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 92.820%  |
| 50) Toluene-d8              | 10.332 | 98    | 1024124  | 64.197   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 128.400% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 380952   | 65.781   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 131.560% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.132  | 43    | 36749    | 51.970   | ug/l # | 65       |
| 20) Methylene Chloride      | 4.961  | 84    | 29817    | 3.704    | ug/l # | 69       |
| 25) 2-Butanone              | 7.202  | 43    | 34263    | 32.931   | ug/l # | 56       |
| 26) 2,2-Dichloropropane     | 7.185  | 77    | 11004    | 1.632    | ug/l # | 54       |
| 31) Cyclohexane             | 7.973  | 56    | 251061   | 37.111   | ug/l   | 97       |
| 39) Methylcyclohexane       | 9.349  | 83    | 4377149  | 592.721  | ug/l   | 97       |
| 73) Isopropylbenzene        | 12.467 | 105   | 47007    | 1.809    | ug/l   | 100      |
| 78) n-propylbenzene         | 12.808 | 91    | 56980    | 1.761    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

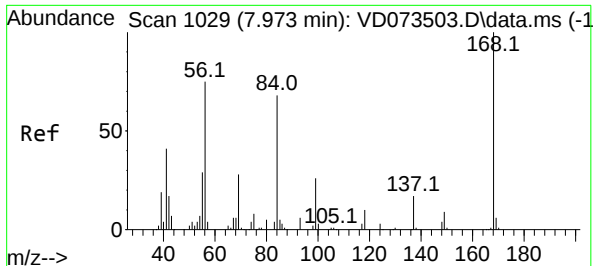
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

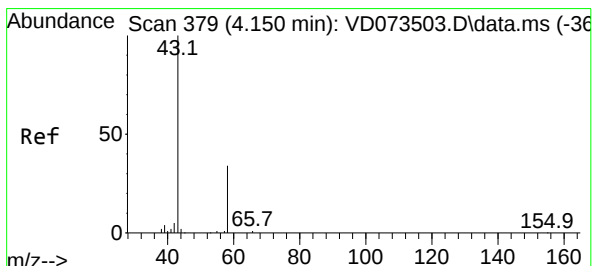
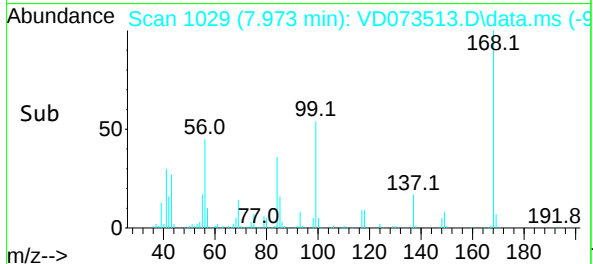
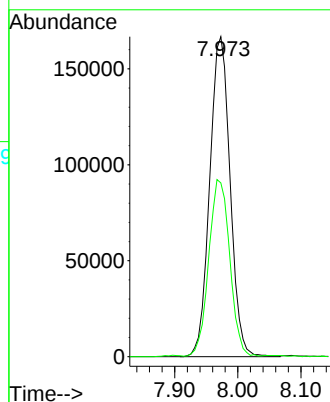
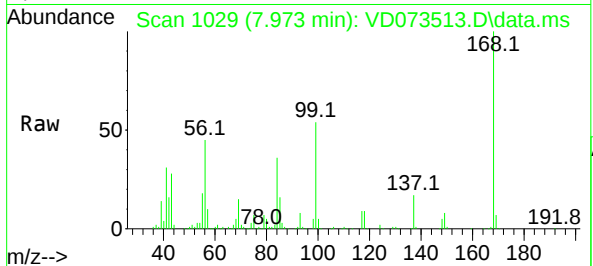




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.000 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

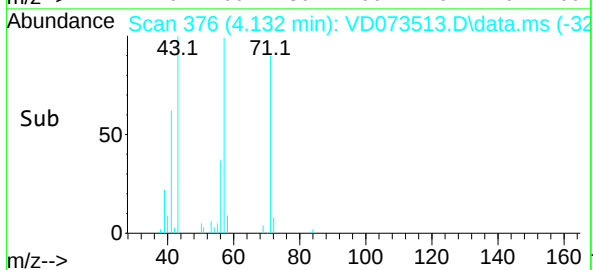
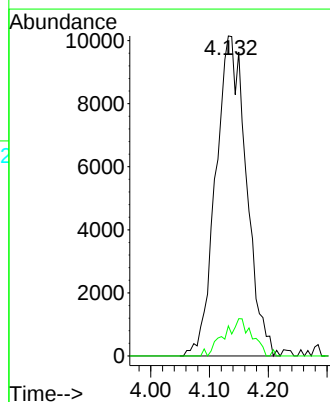
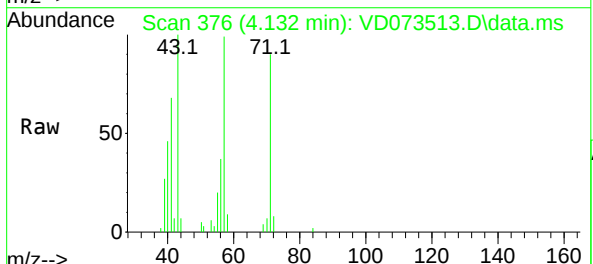
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

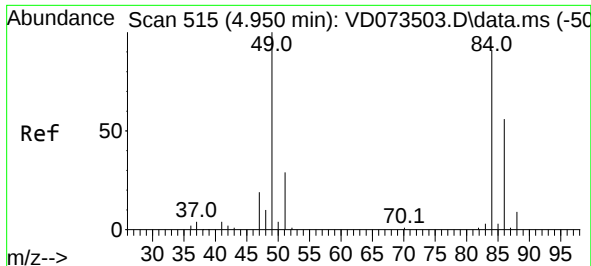
Tgt Ion:168 Resp: 374229  
Ion Ratio Lower Upper  
168 100  
99 54.0 49.8 74.6



#16  
Acetone  
Concen: 51.970 ug/l  
RT: 4.132 min Scan# 376  
Delta R.T. -0.018 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

Tgt Ion: 43 Resp: 36749  
Ion Ratio Lower Upper  
43 100  
58 9.4 22.1 33.1#

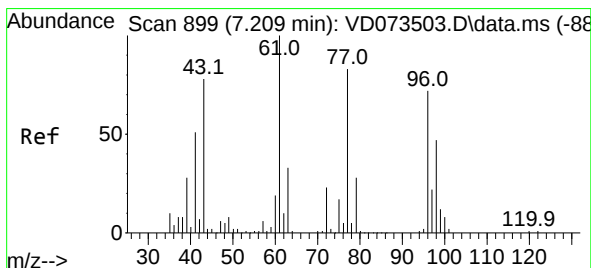
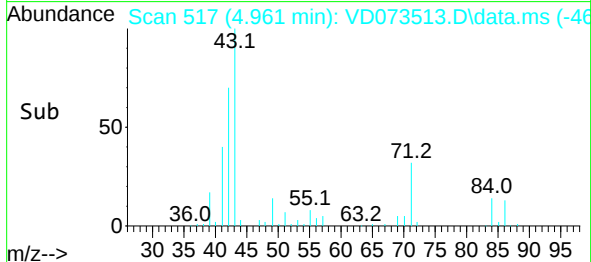
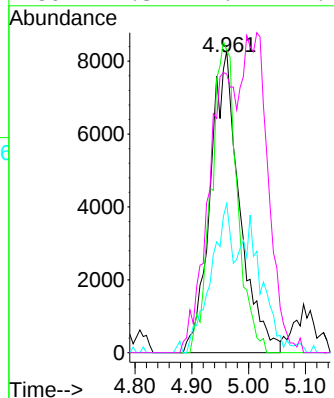
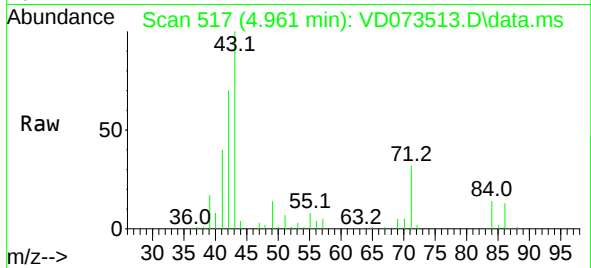




#20  
Methylene Chloride  
Concen: 3.704 ug/l  
RT: 4.961 min Scan# 515  
Delta R.T. 0.011 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

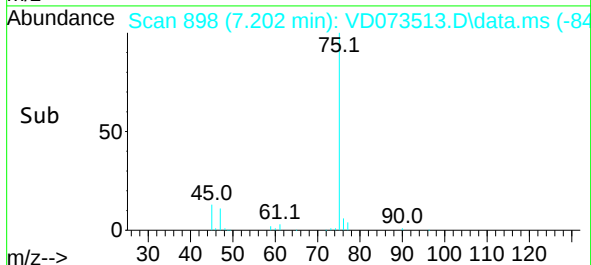
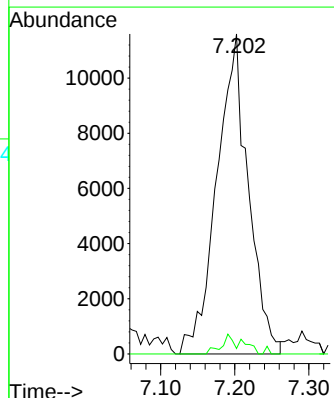
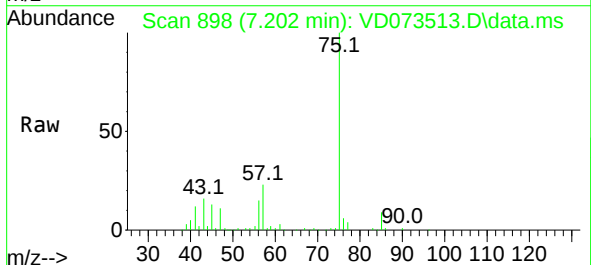
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

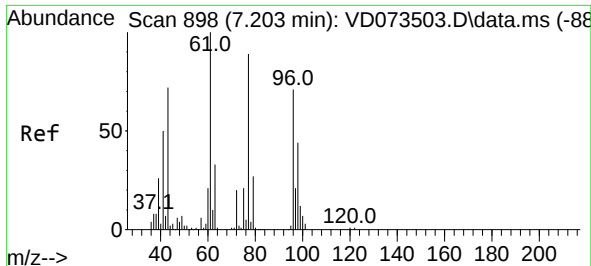
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 29817  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 100.1 | 112.8 | 169.2# |
| 51       | 45.5  | 32.6  | 48.8   |
| 86       | 92.3  | 47.9  | 71.9#  |



#25  
2-Butanone  
Concen: 32.931 ug/l  
RT: 7.202 min Scan# 898  
Delta R.T. -0.007 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34263 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 1.7   | 18.6  | 27.8# |

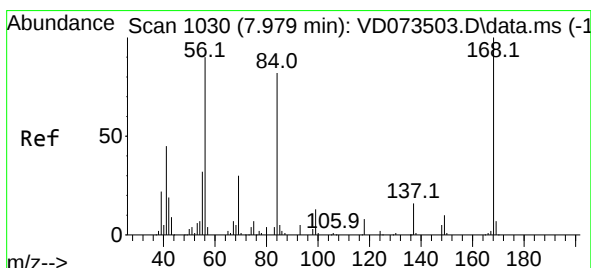
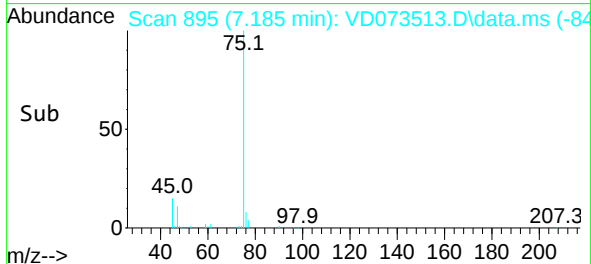
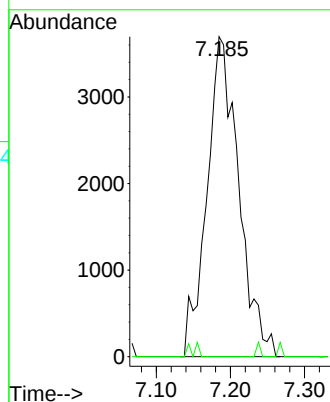
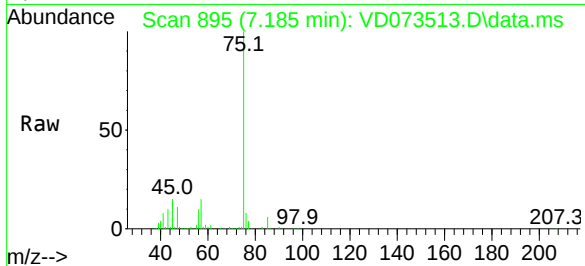




#26  
2,2-Dichloropropane  
Concen: 1.632 ug/l  
RT: 7.185 min Scan# 898  
Delta R.T. -0.018 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

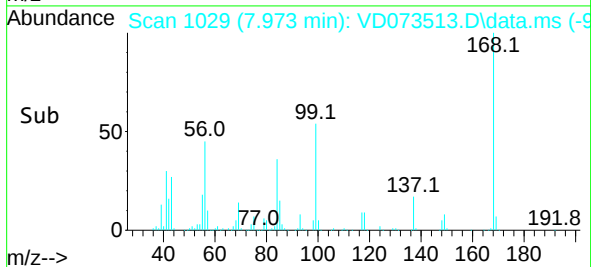
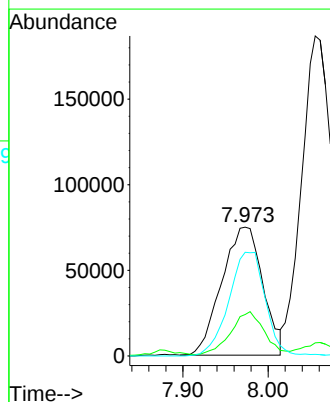
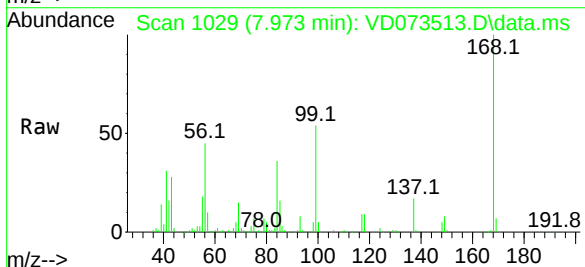
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

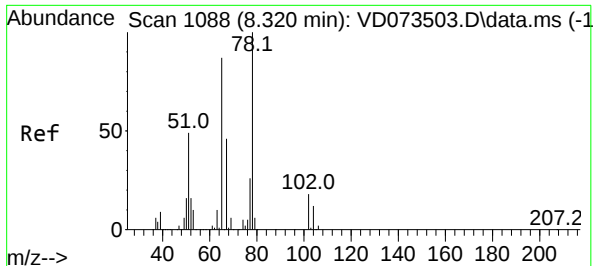
Tgt Ion: 77 Resp: 11004  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.8 32.4#



#31  
Cyclohexane  
Concen: 37.111 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

Tgt Ion: 56 Resp: 251061  
Ion Ratio Lower Upper  
56 100  
69 29.8 25.4 38.2  
84 81.0 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 40.830 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073513.D

Acq: 09 Jun 2022 16:50

Instrument :

MSVOA\_D

ClientSampleId :

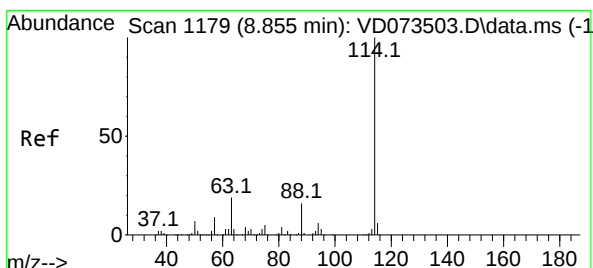
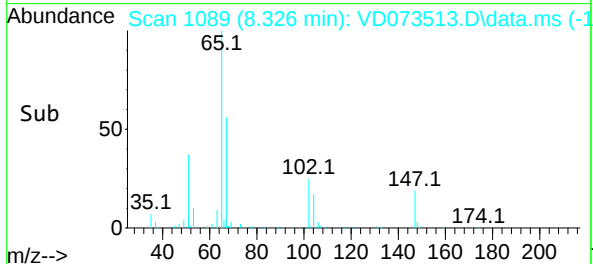
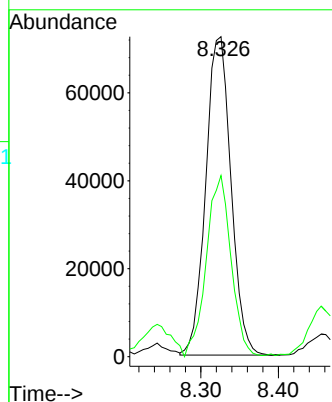
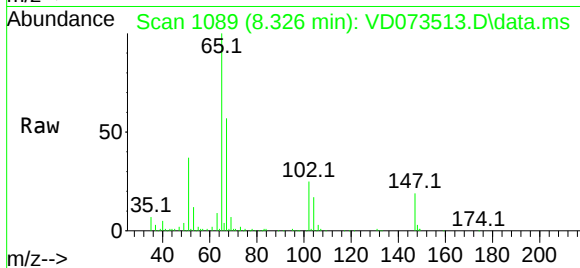
VIBLK

Tgt Ion: 65 Resp: 163973

Ion Ratio Lower Upper

65 100

67 55.7 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: VD073513.D

Acq: 09 Jun 2022 16:50

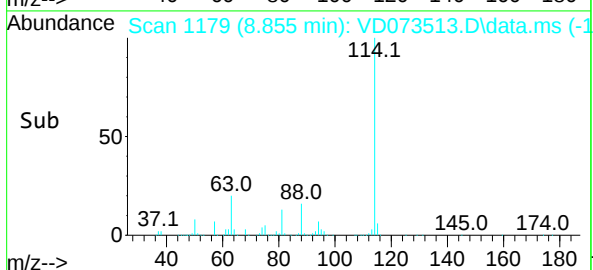
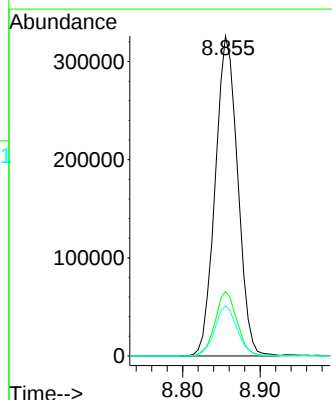
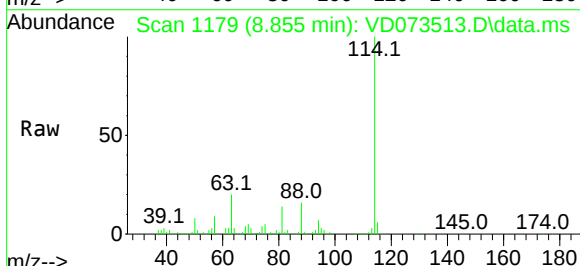
Tgt Ion: 114 Resp: 656152

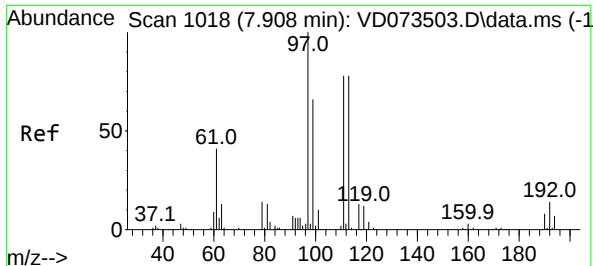
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.406 ug/l

RT: 7.908 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073513.D

Acq: 09 Jun 2022 16:50

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

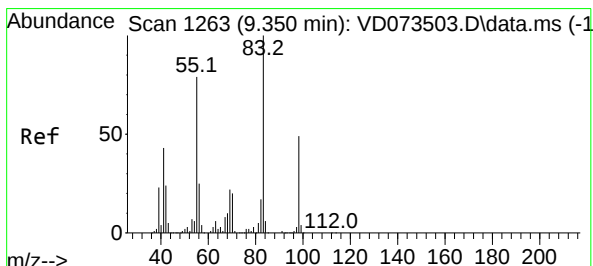
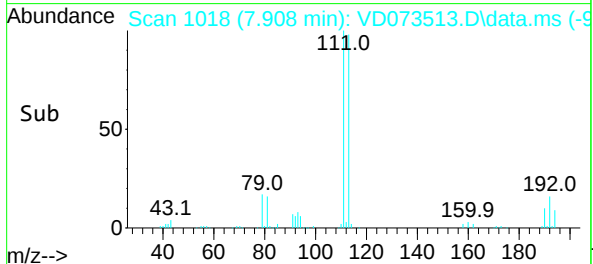
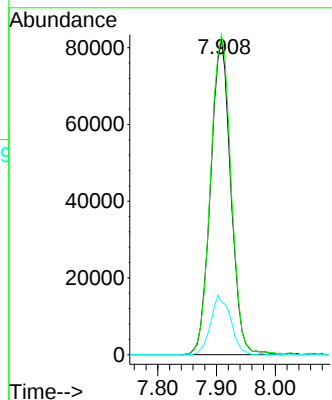
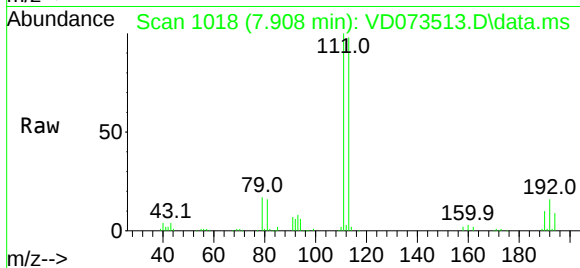
Tgt Ion:113 Resp: 195803

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 18.6 14.6 21.8



#39

Methylcyclohexane

Concen: 592.721 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.001 min

Lab File: VD073513.D

Acq: 09 Jun 2022 16:50

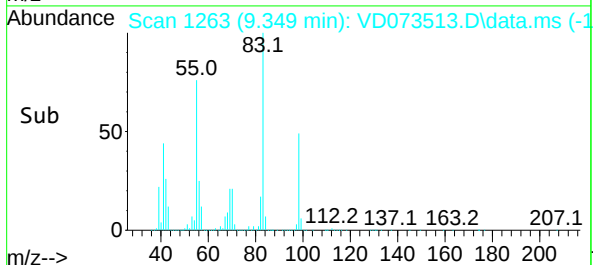
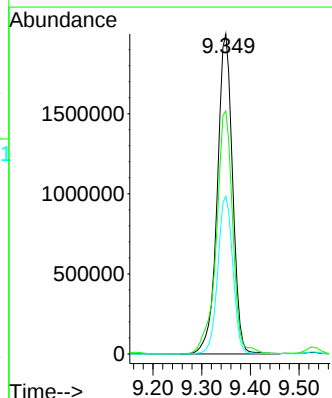
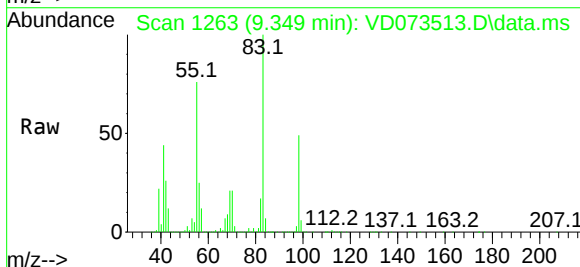
Tgt Ion: 83 Resp: 4377149

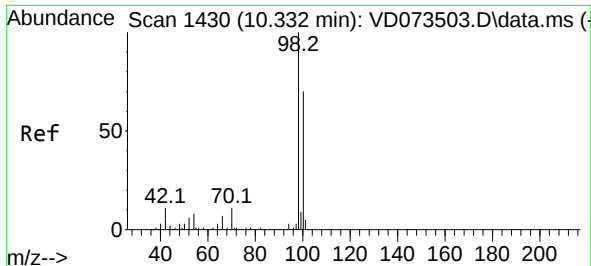
Ion Ratio Lower Upper

83 100

55 75.9 63.2 94.8

98 49.4 38.2 57.4

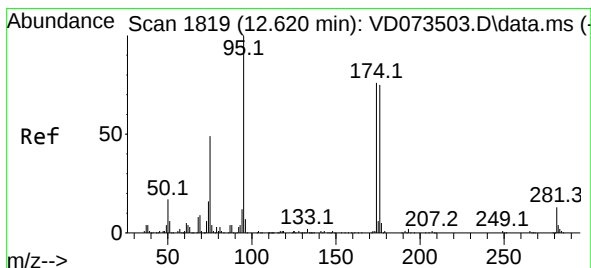
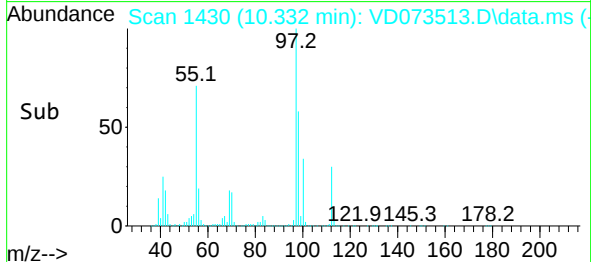
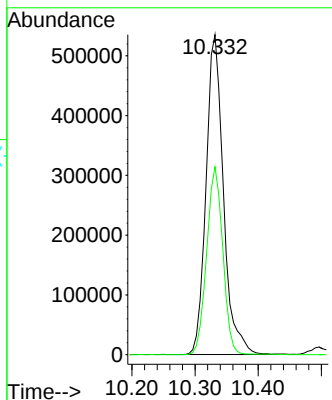
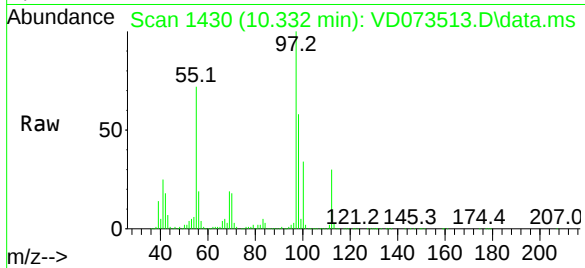




#50  
Toluene-d8  
Concen: 64.197 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

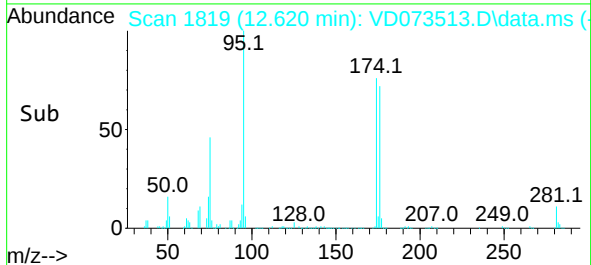
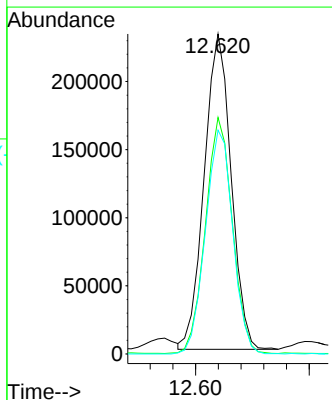
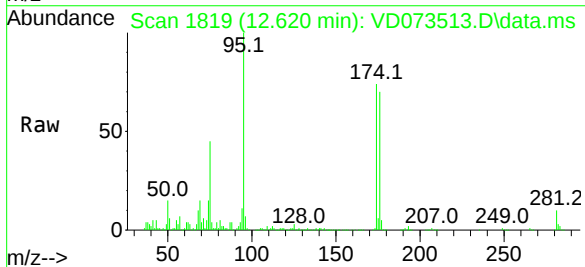
Instrument :  
MSVOA\_D  
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VIBLK

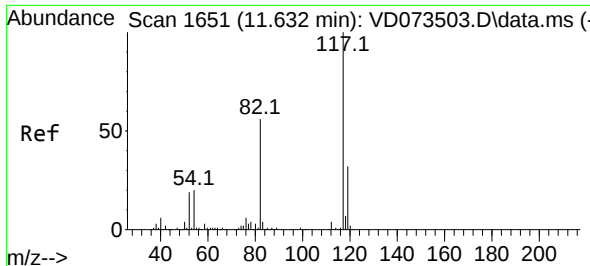
Tgt Ion: 98 Resp: 1024124  
Ion Ratio Lower Upper  
98 100  
100 54.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 65.781 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

Tgt Ion: 95 Resp: 380952  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 152.8  
176 72.0 0.0 145.4

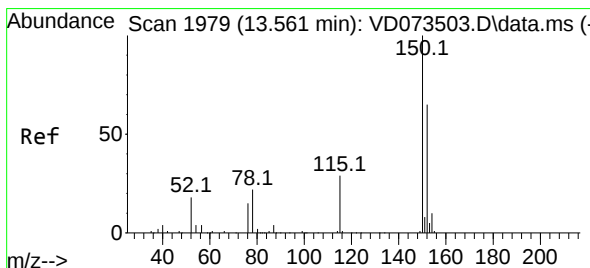
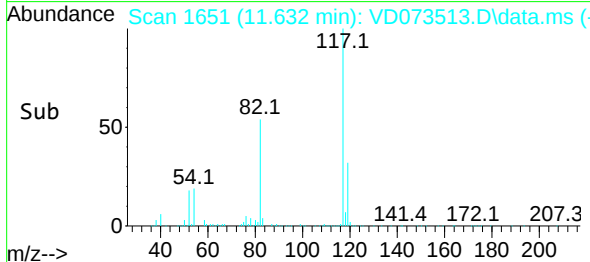
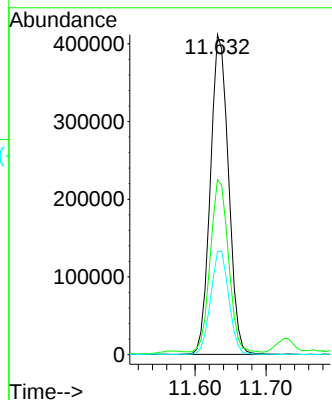
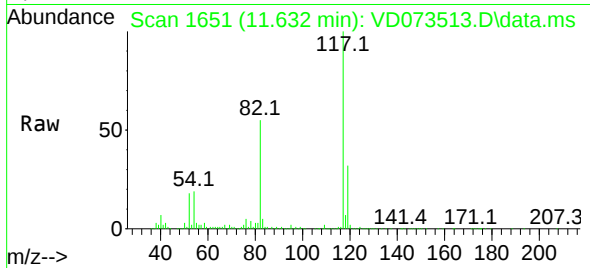




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

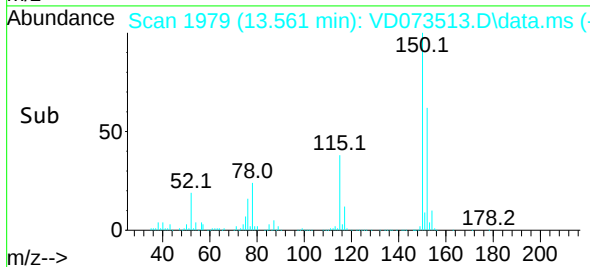
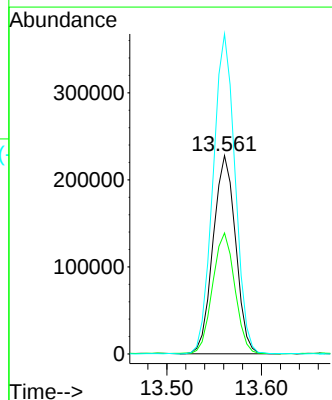
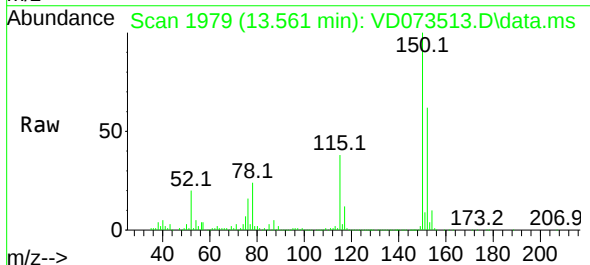
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

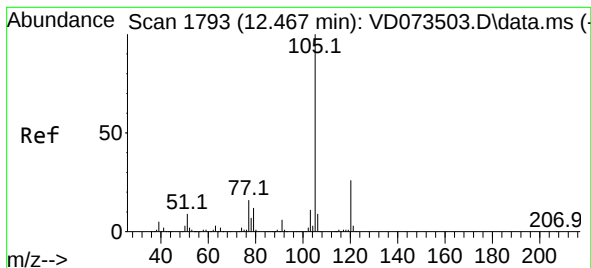
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Ion Ratio Lower Upper  
117 100  
82 53.7 45.3 67.9  
119 32.1 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073513.D  
Acq: 09 Jun 2022 16:50

Tgt Ion:152 Resp: 374969  
Ion Ratio Lower Upper  
152 100  
115 60.5 31.3 93.8  
150 159.1 0.0 348.6





#73

Isopropylbenzene

Concen: 1.809 ug/l

RT: 12.467 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD073513.D

Acq: 09 Jun 2022 16:50

Instrument :

MSVOA\_D

ClientSampleId :

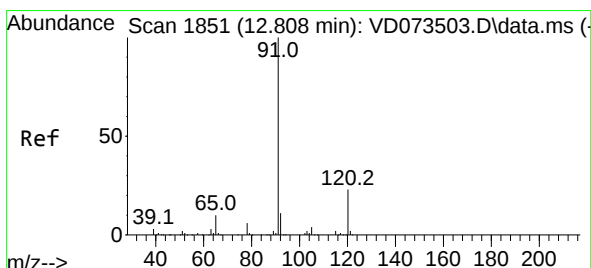
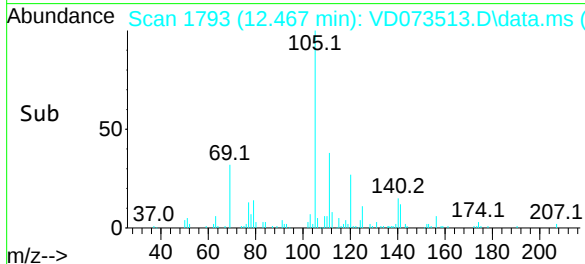
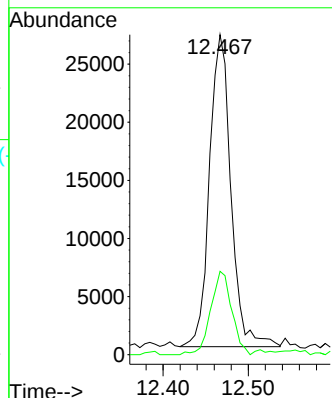
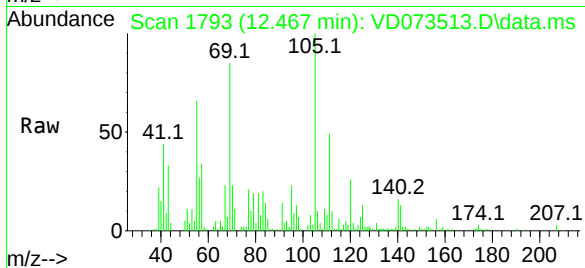
VIBLK

Tgt Ion:105 Resp: 47007

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#78

n-propylbenzene

Concen: 1.761 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VD073513.D

Acq: 09 Jun 2022 16:50

Tgt Ion: 91 Resp: 56980

Ion Ratio Lower Upper

91 100

120 20.9 10.9 32.9

