

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020624\  
 Data File : VU057823.D  
 Acq On : 06 Feb 2024 16:10  
 Operator : MD/SY  
 Sample : P1174-10DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-ADD-WSDL

Quant Time: Feb 07 03:01:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 06 02:05:40 2024  
 Response via : Initial Calibration

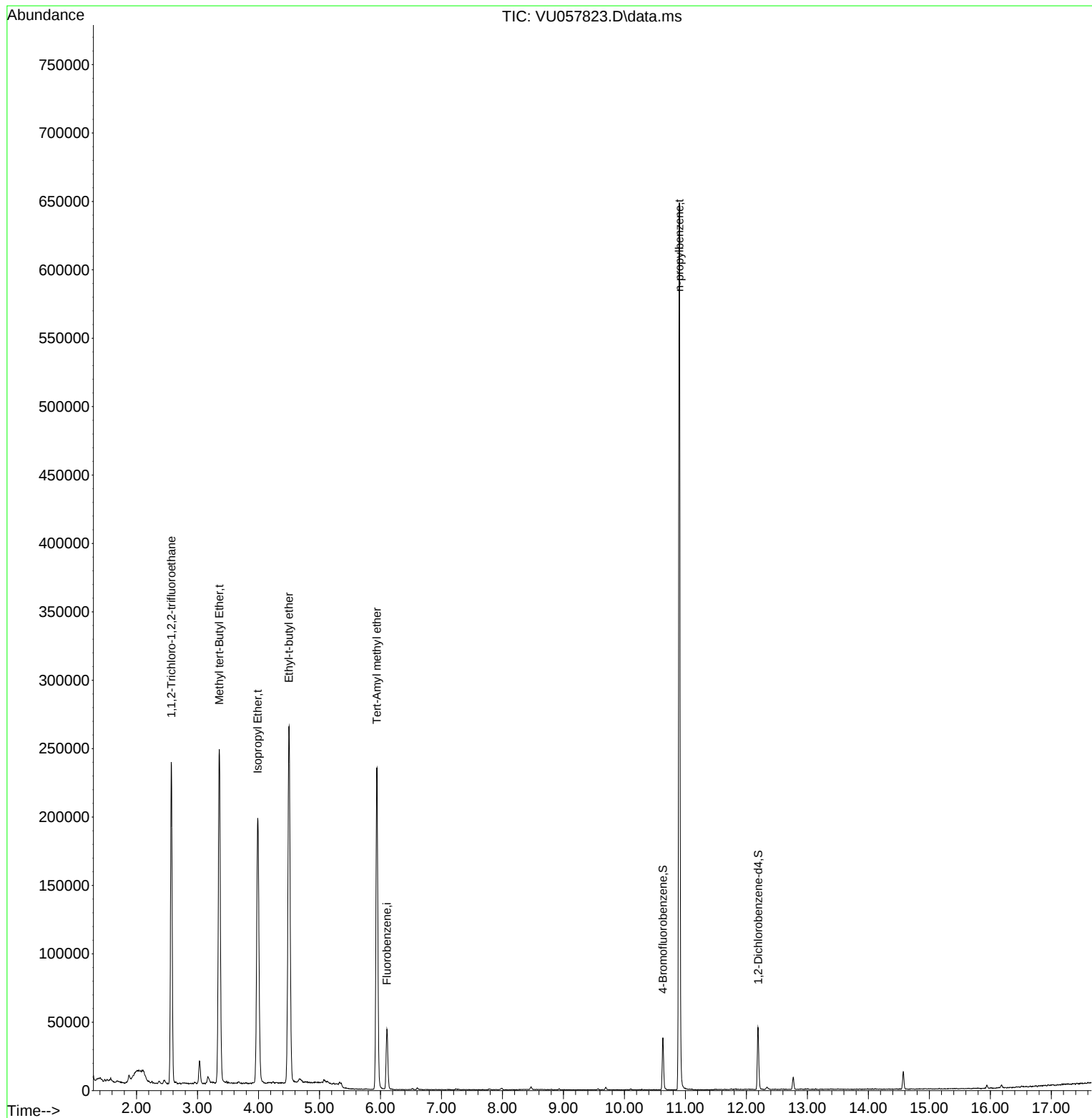
| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 41547    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 12717    | 0.834  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 83.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.193 | 152  | 12365    | 0.917  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 92.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        |         | Qvalue   |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 94275    | 9.245  | ug/l    | 98       |
| 25) Methyl tert-Butyl Ether  | 3.358  | 73   | 277313   | 10.889 | ug/l    | 96       |
| 31) Isopropyl Ether          | 3.988  | 45   | 208221   | 6.219  | ug/l    | 95       |
| 32) Ethyl-t-butyl ether      | 4.499  | 59   | 275484   | 8.366  | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.939  | 73   | 197726   | 7.173  | ug/l    | 98       |
| 73) n-propylbenzene          | 10.901 | 120  | 107270   | 7.675  | ug/l    | 98       |
| -----                        |        |      |          |        |         |          |

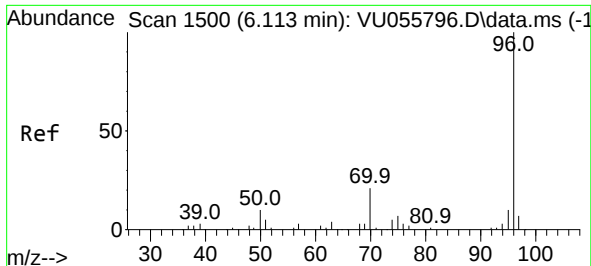
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Tue Feb 06 02:05:40 2024  
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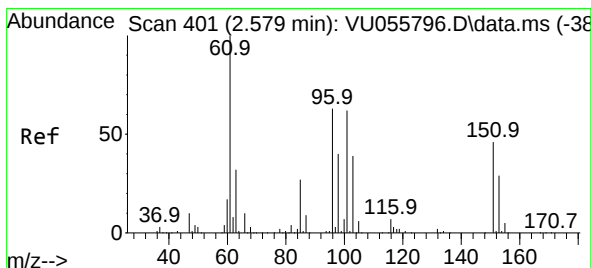
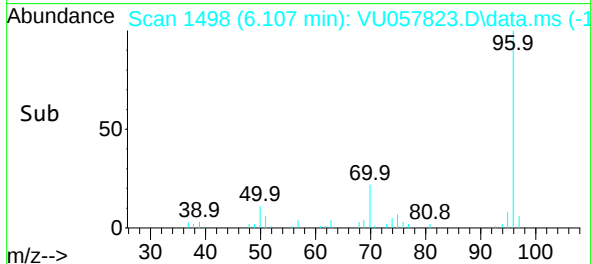
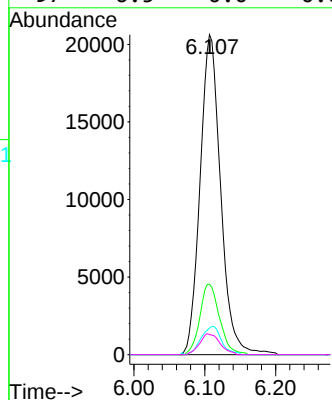
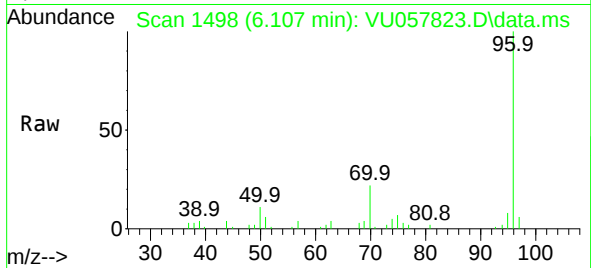




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.107 min Scan# 14  
Delta R.T. 0.004 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

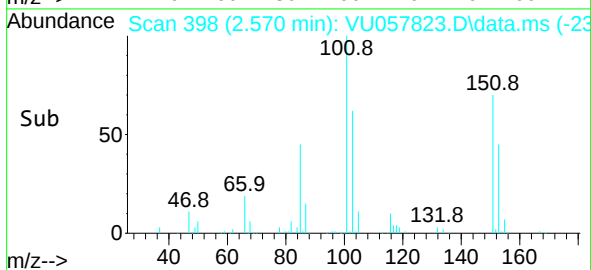
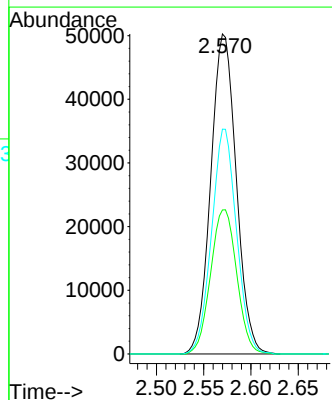
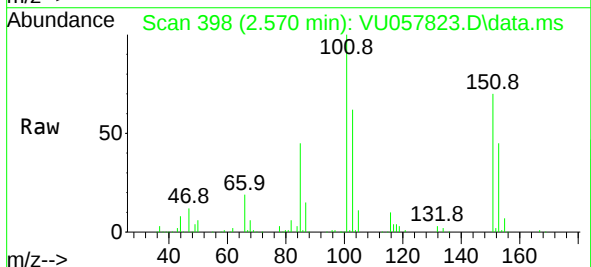
Instrument :  
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ClientSampleId :  
PT-ADD-WSDL

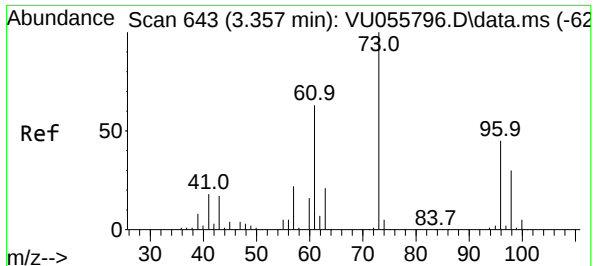
Tgt Ion: 96 Resp: 41547  
Ion Ratio Lower Upper  
96 100  
70 21.1 16.5 24.7  
95 8.7 7.4 11.0  
97 6.5 0.0 0.0#



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 9.245 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.010 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

Tgt Ion: 101 Resp: 94275  
Ion Ratio Lower Upper  
101 100  
85 46.2 35.4 53.0  
151 68.9 54.0 81.0

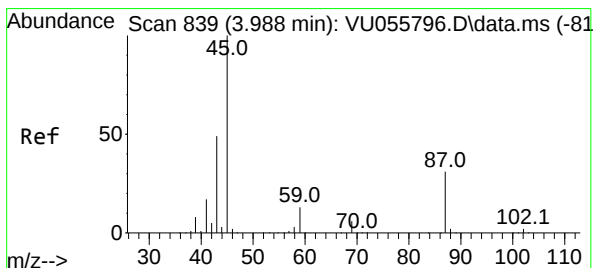
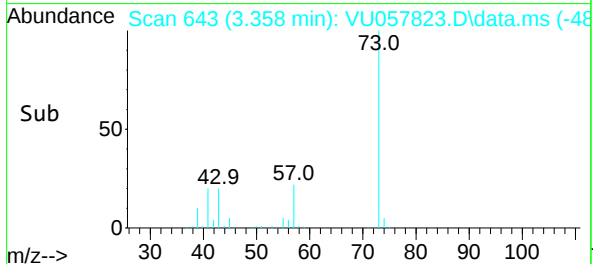
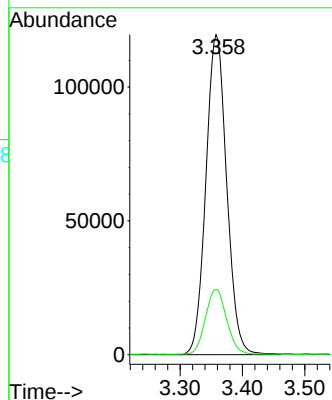
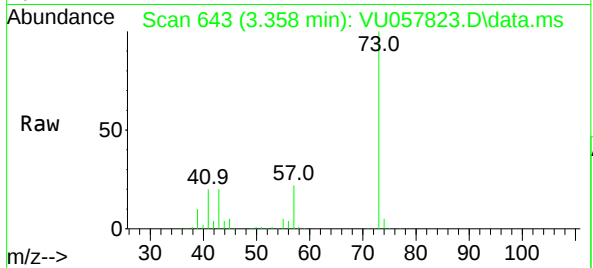




#25  
Methyl tert-Butyl Ether  
Concen: 10.889 ug/l  
RT: 3.358 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

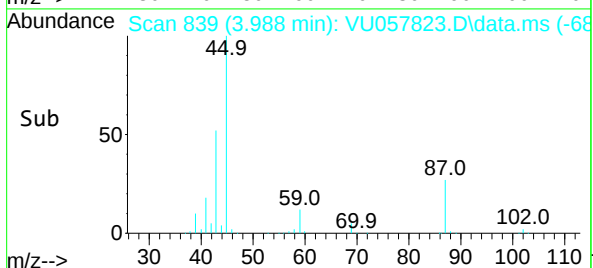
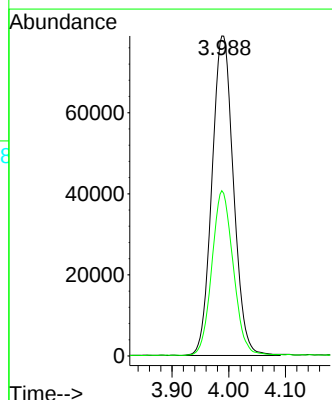
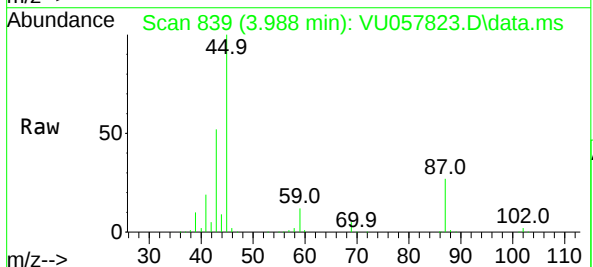
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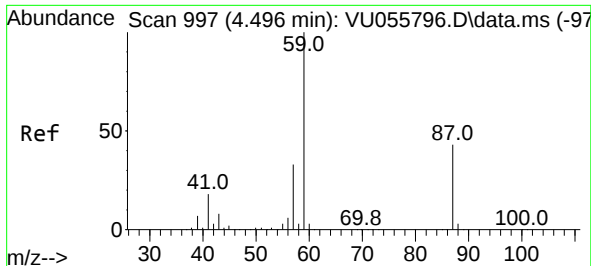
Tgt Ion: 73 Resp: 277313  
Ion Ratio Lower Upper  
73 100  
43 20.5 15.0 22.6



#31  
Isopropyl Ether  
Concen: 6.219 ug/l  
RT: 3.988 min Scan# 839  
Delta R.T. 0.000 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

Tgt Ion: 45 Resp: 208221  
Ion Ratio Lower Upper  
45 100  
43 51.1 27.5 82.5





#32

Ethyl-t-butyl ether

Concen: 8.366 ug/l

RT: 4.499 min Scan# 997

Delta R.T. 0.000 min

Lab File: VU057823.D

Acq: 06 Feb 2024 16:10

Instrument :

MSVOA\_U

ClientSampleId :

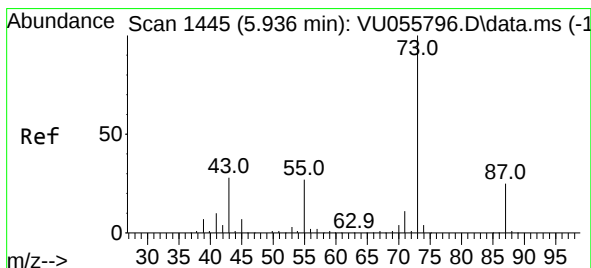
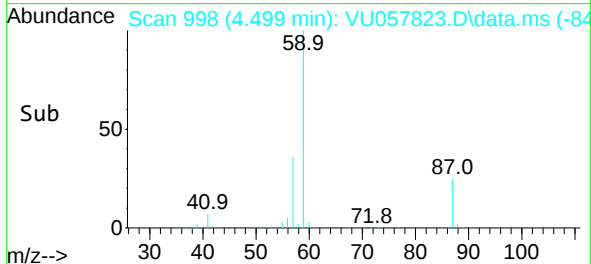
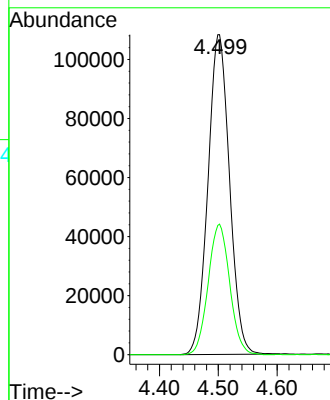
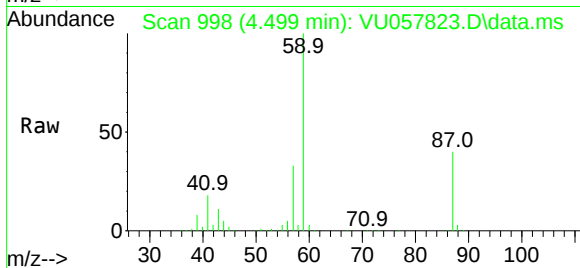
PT-ADD-WSDL

Tgt Ion: 59 Resp: 275484

Ion Ratio Lower Upper

59 100

87 40.8 33.5 50.3



#33

Tert-Amyl methyl ether

Concen: 7.173 ug/l

RT: 5.939 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VU057823.D

Acq: 06 Feb 2024 16:10

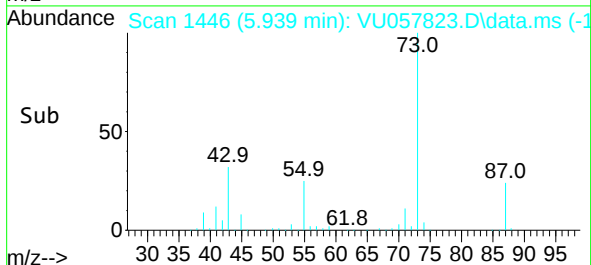
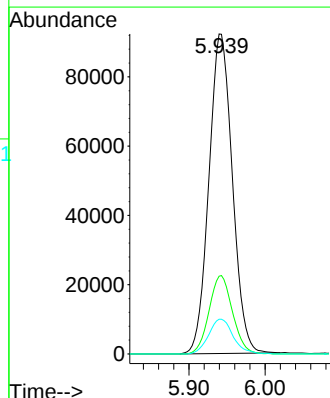
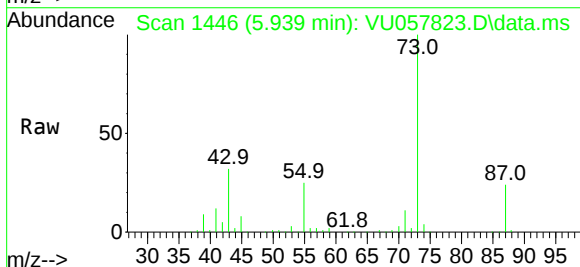
Tgt Ion: 73 Resp: 197726

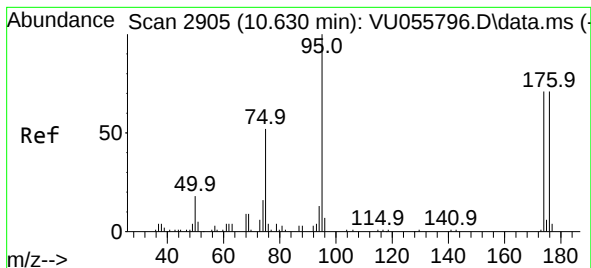
Ion Ratio Lower Upper

73 100

87 24.5 18.6 28.0

71 11.4 9.9 14.9

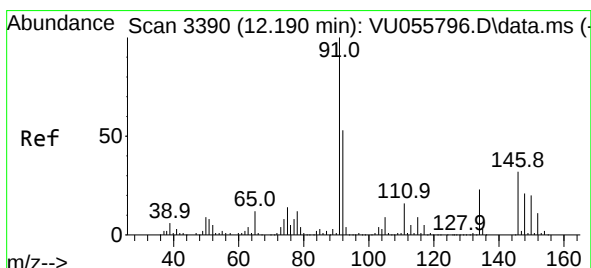
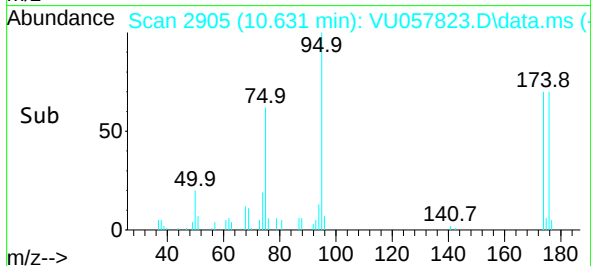
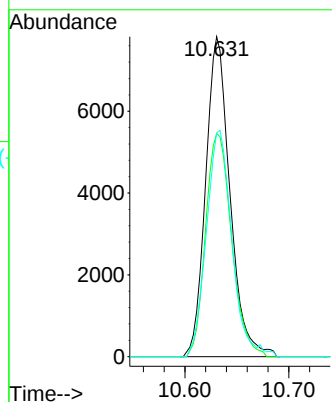
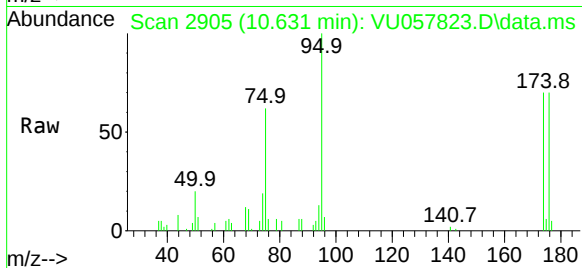




#57  
4-Bromofluorobenzene  
Concen: 0.834 ug/l  
RT: 10.631 min Scan# 2905  
Delta R.T. 0.000 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

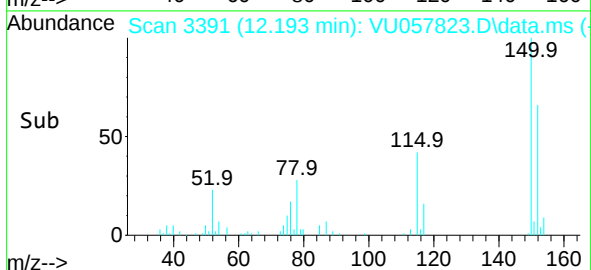
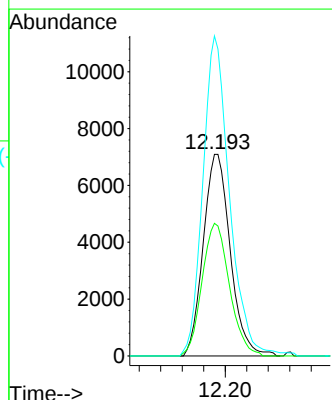
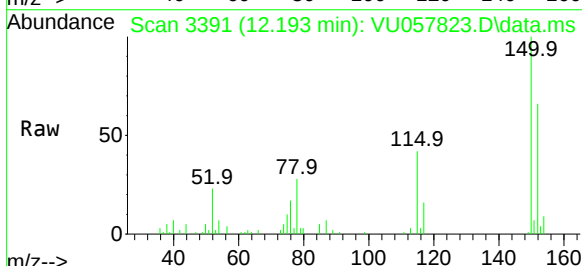
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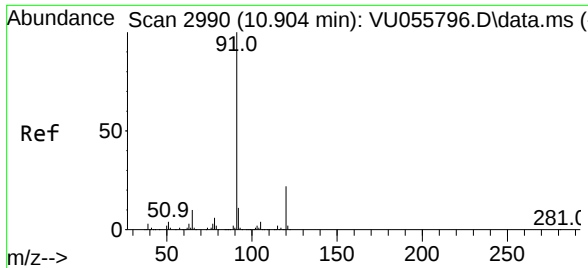
Tgt Ion: 95 Resp: 12717  
Ion Ratio Lower Upper  
95 100  
174 74.4 63.3 94.9  
176 74.4 59.3 88.9



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.917 ug/l  
RT: 12.193 min Scan# 3391  
Delta R.T. 0.000 min  
Lab File: VU057823.D  
Acq: 06 Feb 2024 16:10

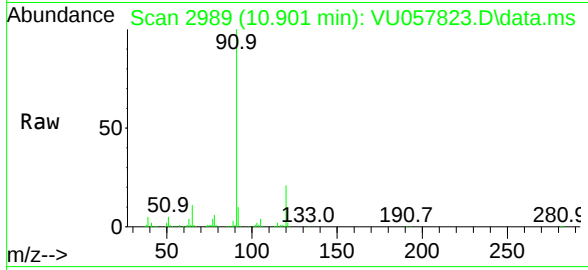
Tgt Ion: 152 Resp: 12365  
Ion Ratio Lower Upper  
152 100  
115 66.7 0.0 308.8  
150 156.5 0.0 635.0





#73  
n-propylbenzene  
Concen: 7.675 ug/l  
RT: 10.901 min Scan# 2990  
Delta R.T. 0.000 min  
Lab File: VU057823.D  
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Tgt Ion:120 Resp: 107270  
Ion Ratio Lower Upper  
120 100  
91 467.8 369.8 554.6

