

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020624\  
 Data File : VU057816.D  
 Acq On : 06 Feb 2024 11:54  
 Operator : MD/SY  
 Sample : P1174-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/16/2024  
 Supervised By : Mahesh Dadoda 03/16/2024

Quant Time: Feb 12 12:25:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Feb 07 04:06:29 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 43071    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 14242    | 0.901  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 90.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.193 | 152  | 12291    | 0.879  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 88.000% |          |
| Target Compounds             |        |      |          |        |         |          |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.563  | 101  | 485453   | 45.920 | ug/l    | 98       |
| 24) tert-Butyl Alcohol       | 3.239  | 59   | 9718m    | 16.744 | ug/l    |          |
| 25) Methyl tert-Butyl Ether  | 3.354  | 73   | 1439230  | 54.516 | ug/l    | 96       |
| 31) Isopropyl Ether          | 3.988  | 45   | 1062632  | 30.617 | ug/l    | 93       |
| 32) Ethyl-t-butyl ether      | 4.499  | 59   | 1418248  | 41.547 | ug/l    | 97       |
| 33) Tert-Amyl methyl ether   | 5.940  | 73   | 1065152  | 37.272 | ug/l    | 98       |
| 73) n-propylbenzene          | 10.901 | 120  | 592645   | 40.902 | ug/l    | 98       |
| -----                        |        |      |          |        |         |          |

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

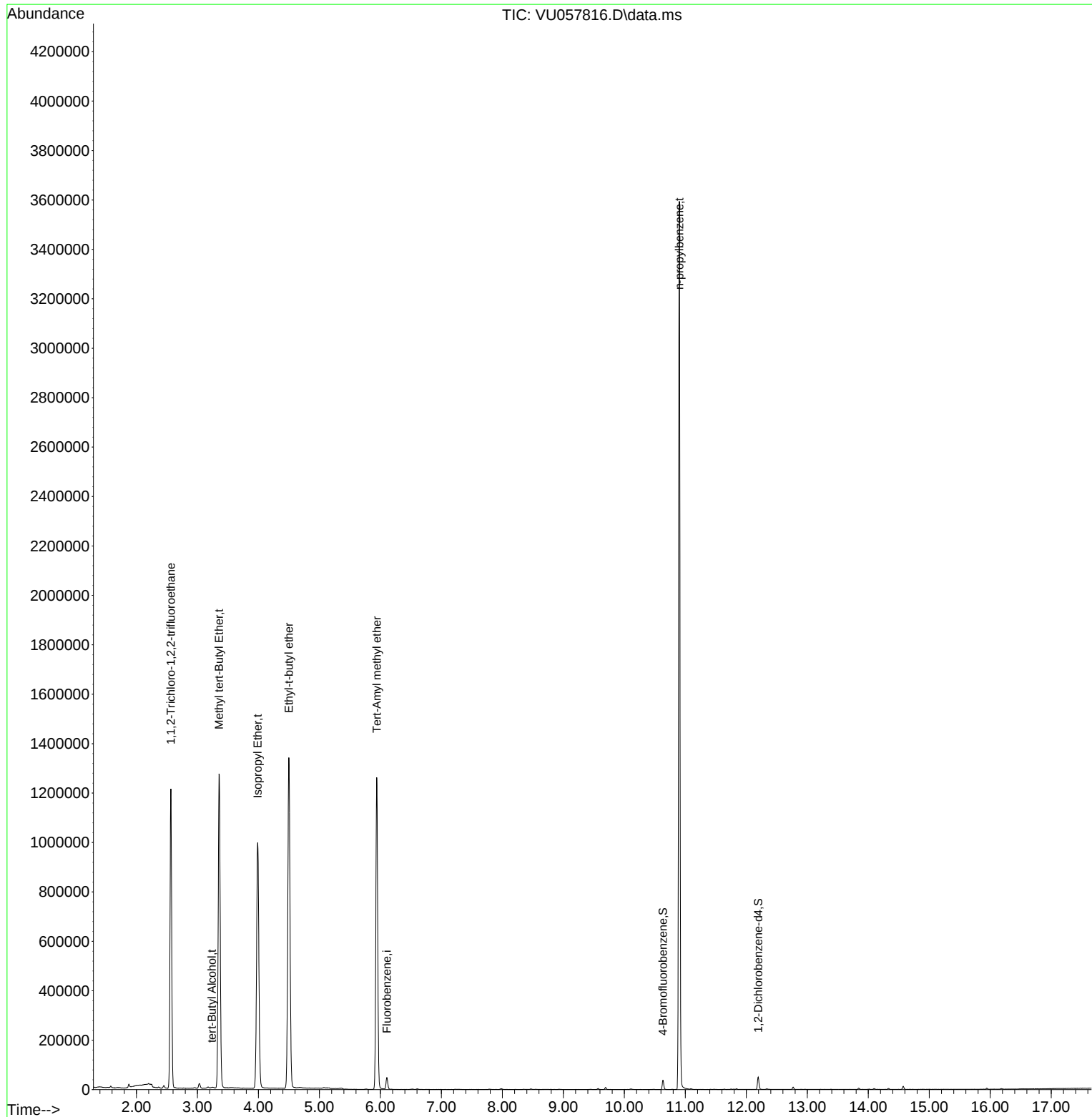
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020624\  
Data File : VU057816.D  
Acq On : 06 Feb 2024 11:54  
Operator : MD/SY  
Sample : P1174-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

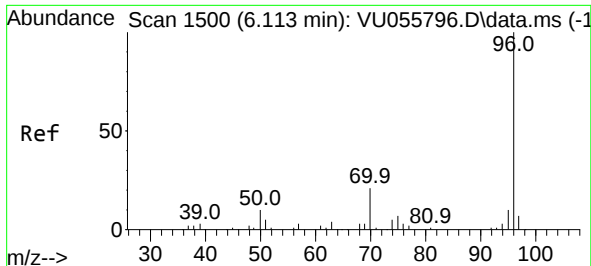
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-ADD-WS

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 03/16/2024  
Supervised By : Mahesh Dadoda 03/16/2024

Quant Time: Feb 12 12:25:23 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Wed Feb 07 04:06:29 2024  
Response via : Initial Calibration





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.107 min Scan# 14  
Delta R.T. 0.004 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

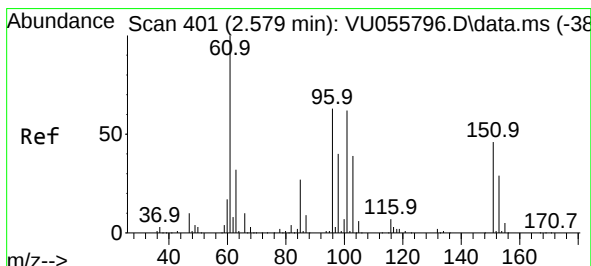
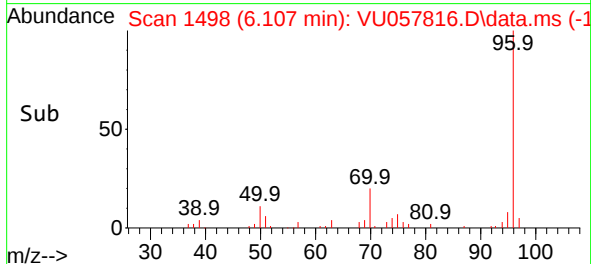
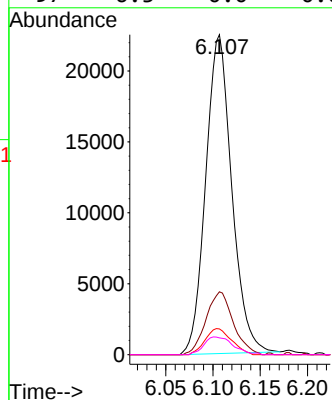
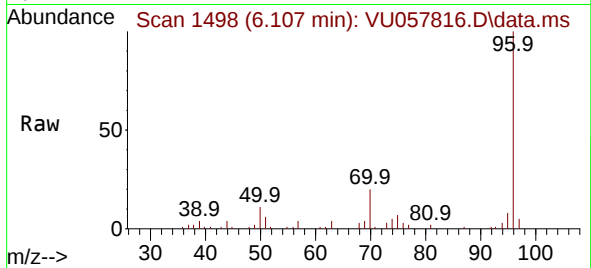
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-ADD-WS

Tgt Ion: 96 Resp: 4307

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 20.6  | 16.5  | 24.7  |
| 95  | 8.3   | 7.4   | 11.0  |
| 97  | 6.3   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

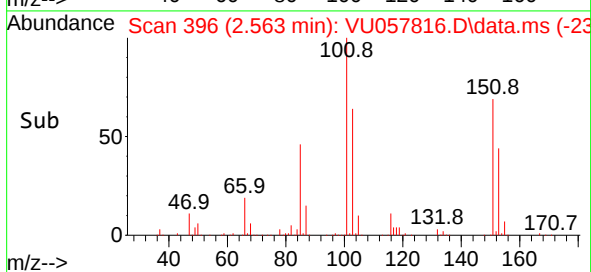
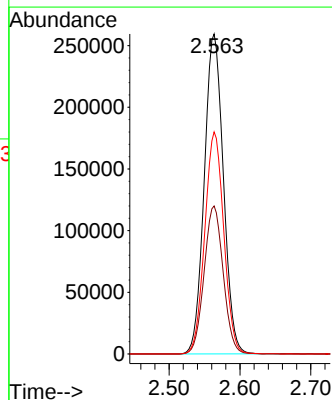
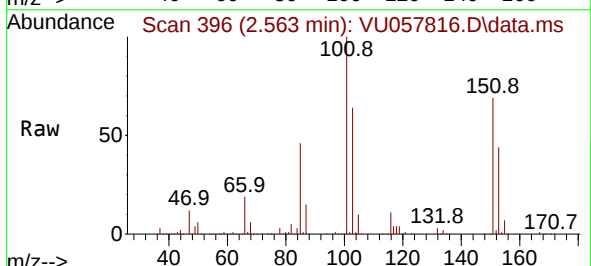
Reviewed By :Semsettin Yesilyurt 03/16/2024  
Supervised By :Mahesh Dadoda 03/16/2024

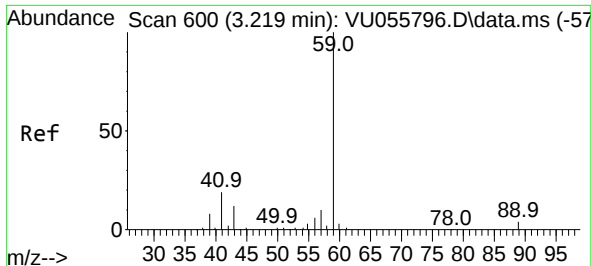


#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 45.920 ug/l  
RT: 2.563 min Scan# 396  
Delta R.T. 0.003 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

Tgt Ion:101 Resp: 485453

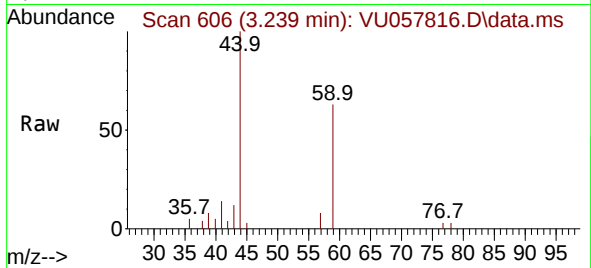
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 46.3  | 35.4  | 53.0  |
| 151 | 69.1  | 54.0  | 81.0  |





#24  
tert-Butyl Alcohol  
Concen: 16.744 ug/l m  
RT: 3.239 min Scan# 600  
Delta R.T. 0.007 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

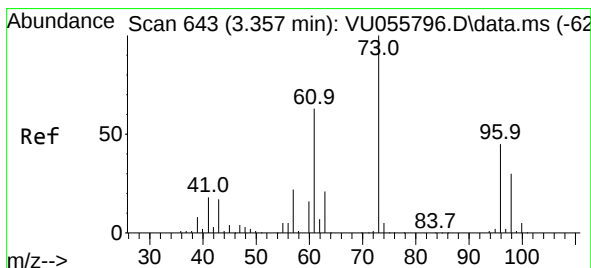
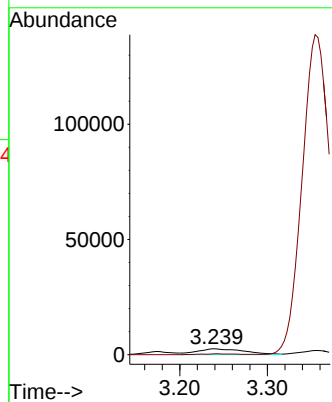
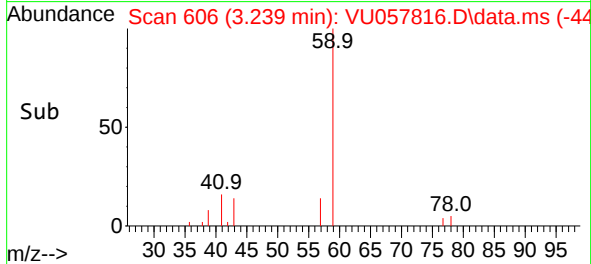
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-ADD-WS



Tgt Ion: 59 Resp: 9718  
Ion Ratio Lower Upper  
59 100  
57 0.0 105.6 158.4

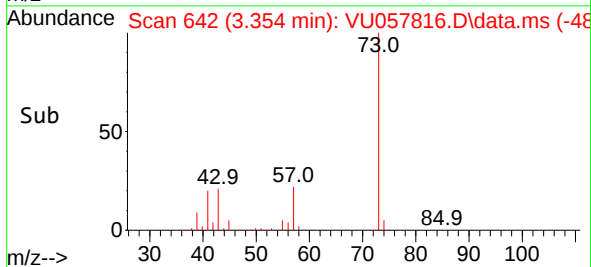
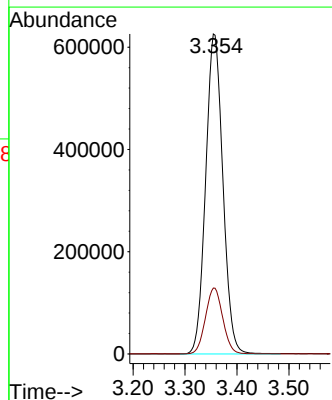
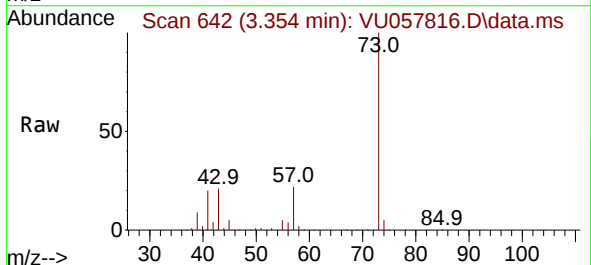
Manual Integrations  
APPROVED

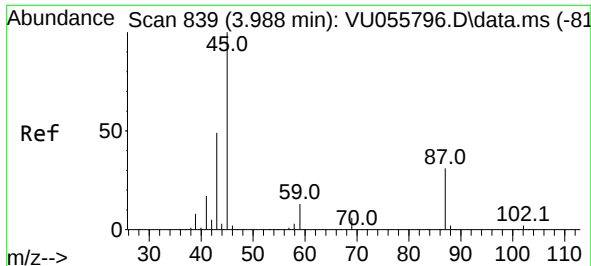
Reviewed By :Semsettin Yesilyurt 03/16/2024  
Supervised By :Mahesh Dadoda 03/16/2024



#25  
Methyl tert-Butyl Ether  
Concen: 54.516 ug/l  
RT: 3.354 min Scan# 642  
Delta R.T. -0.003 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

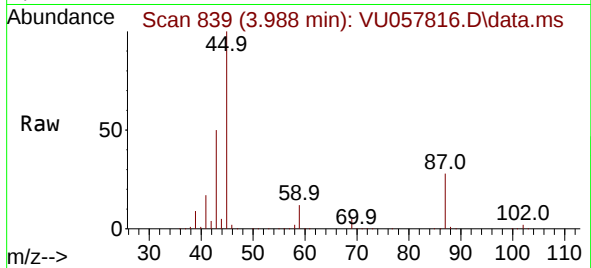
Tgt Ion: 73 Resp: 1439230  
Ion Ratio Lower Upper  
73 100  
43 20.6 15.0 22.6





#31  
Isopropyl Ether  
Concen: 30.617 ug/l  
RT: 3.988 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

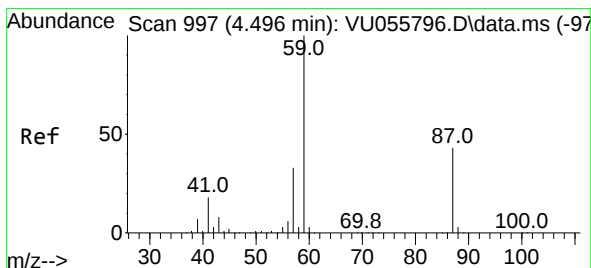
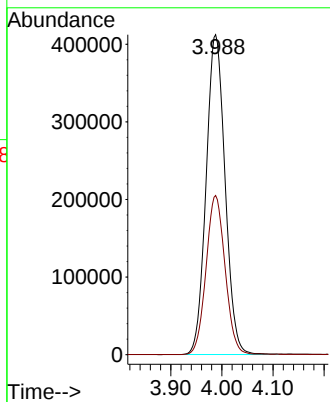
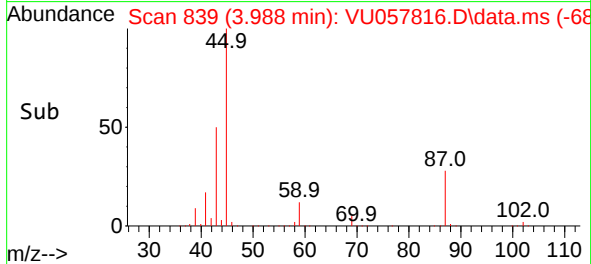
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-ADD-WS



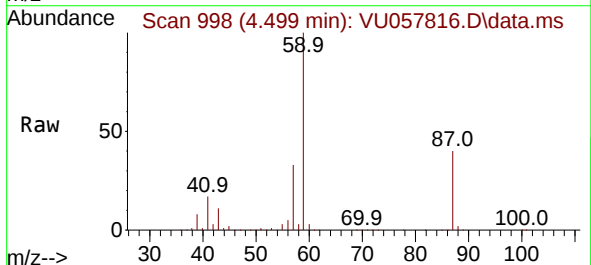
Tgt Ion: 45 Resp: 106263  
Ion Ratio Lower Upper  
45 100  
43 50.0 27.5 82.5

Manual Integrations  
APPROVED

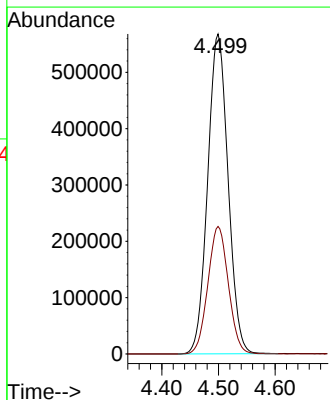
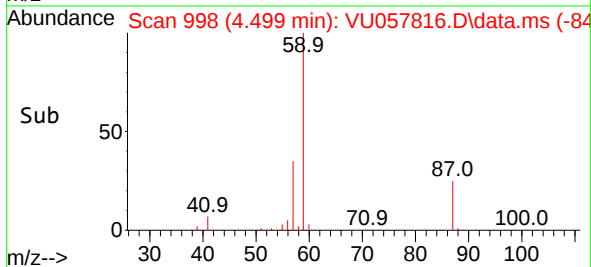
Reviewed By :Semsettin Yesilyurt 03/16/2024  
Supervised By :Mahesh Dadoda 03/16/2024

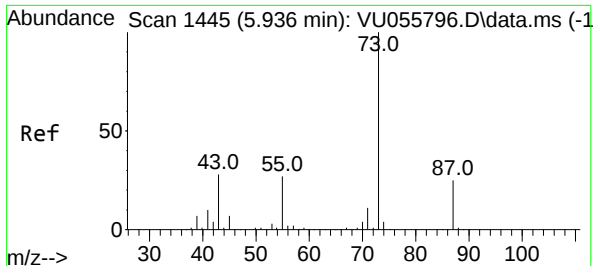


#32  
Ethyl-t-butyl ether  
Concen: 41.547 ug/l  
RT: 4.499 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54



Tgt Ion: 59 Resp: 1418248  
Ion Ratio Lower Upper  
59 100  
87 40.1 33.5 50.3





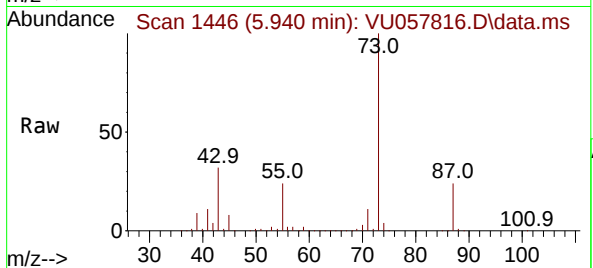
#33  
Tert-Amyl methyl ether  
Concen: 37.272 ug/l  
RT: 5.940 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-ADD-WS

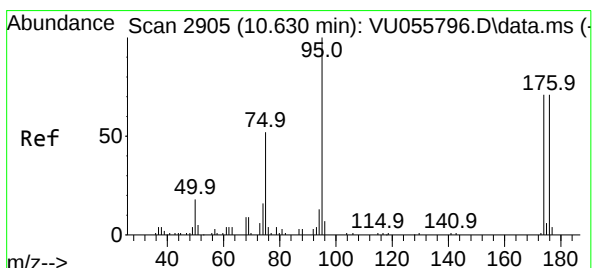
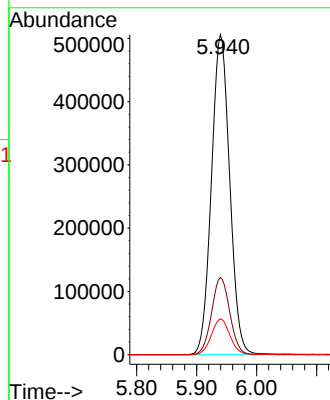
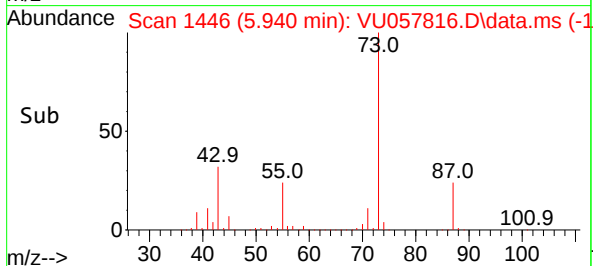


Tgt Ion: 73 Resp: 106515  
Ion Ratio Lower Upper  
73 100  
87 24.0 18.6 28.0  
71 11.3 9.9 14.9

Manual Integrations

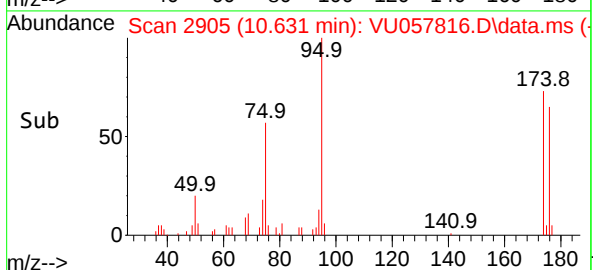
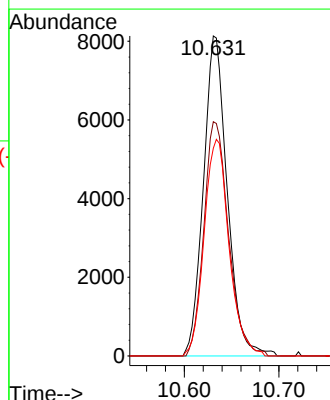
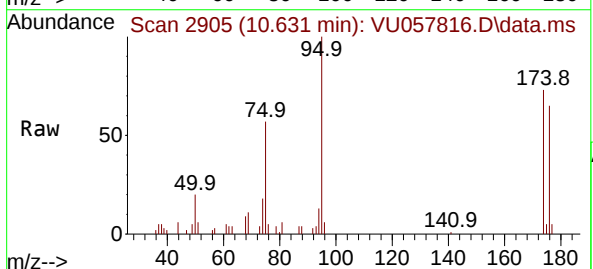
APPROVED

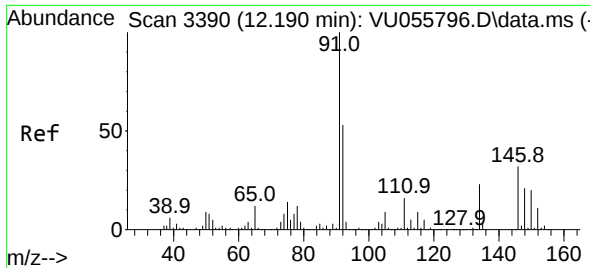
Reviewed By :Semsettin Yesilyurt 03/16/2024  
Supervised By :Mahesh Dadoda 03/16/2024



#57  
4-Bromofluorobenzene  
Concen: 0.901 ug/l  
RT: 10.631 min Scan# 2905  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

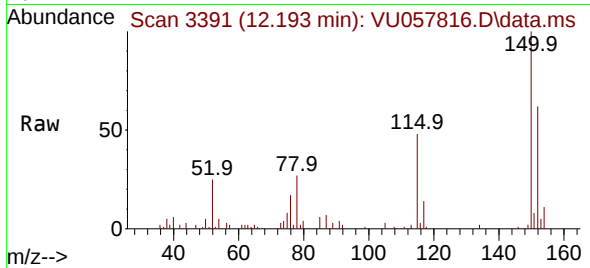
Tgt Ion: 95 Resp: 14242  
Ion Ratio Lower Upper  
95 100  
174 75.9 63.3 94.9  
176 70.7 59.3 88.9





#68  
1,2-Dichlorobenzene-d4  
Concen: 0.879 ug/l  
RT: 12.193 min Scan# 3390  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54

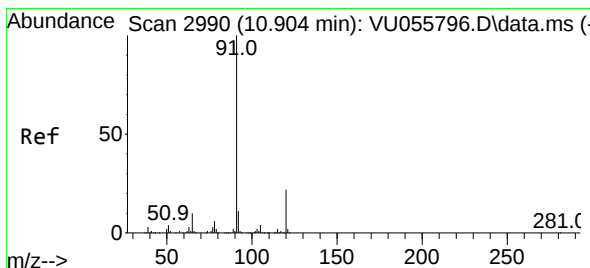
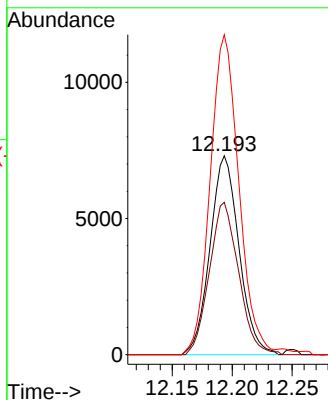
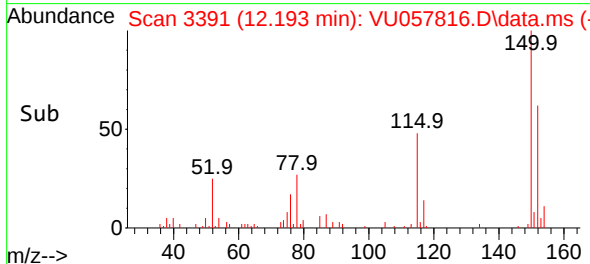
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-ADD-WS



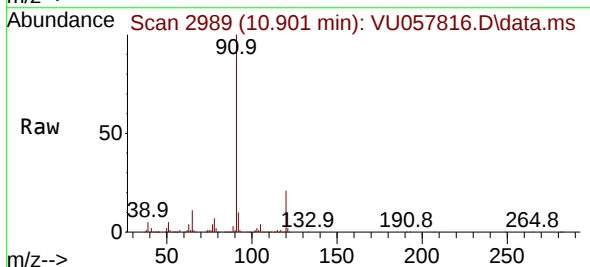
Tgt Ion:152 Resp: 1229  
Ion Ratio Lower Upper  
152 100  
115 77.0 0.0 308.8  
150 158.5 0.0 635.0

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2024  
Supervised By :Mahesh Dadoda 03/16/2024



#73  
n-propylbenzene  
Concen: 40.902 ug/l  
RT: 10.901 min Scan# 2989  
Delta R.T. 0.000 min  
Lab File: VU057816.D  
Acq: 06 Feb 2024 11:54



Tgt Ion:120 Resp: 592645  
Ion Ratio Lower Upper  
120 100  
91 467.9 369.8 554.6

