

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057776.D
 Acq On : 01 Feb 2024 14:19
 Operator : MD/SY
 Sample : P1174-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/08/2024
 Supervised By : Mahesh Dadoda 02/08/2024

Quant Time: Feb 02 00:35:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.110	96	50898	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	17281	0.897	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	15633	0.901	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						Qvalue
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	495478	37.954	ug/l	95
12) Acrylonitrile	3.354	53	13387	6.201	ug/l #	28
15) Methylene Chloride	3.042	84	3313	0.219	ug/l	92
24) tert-Butyl Alcohol	3.284	59	61099m	58.875	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	1326711	44.698	ug/l	96
31) Isopropyl Ether	3.981	45	976824	25.603	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	1236508	34.905	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	872729	29.264	ug/l	97
73) n-propylbenzene	10.901	120	565721	34.882	ug/l	100

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

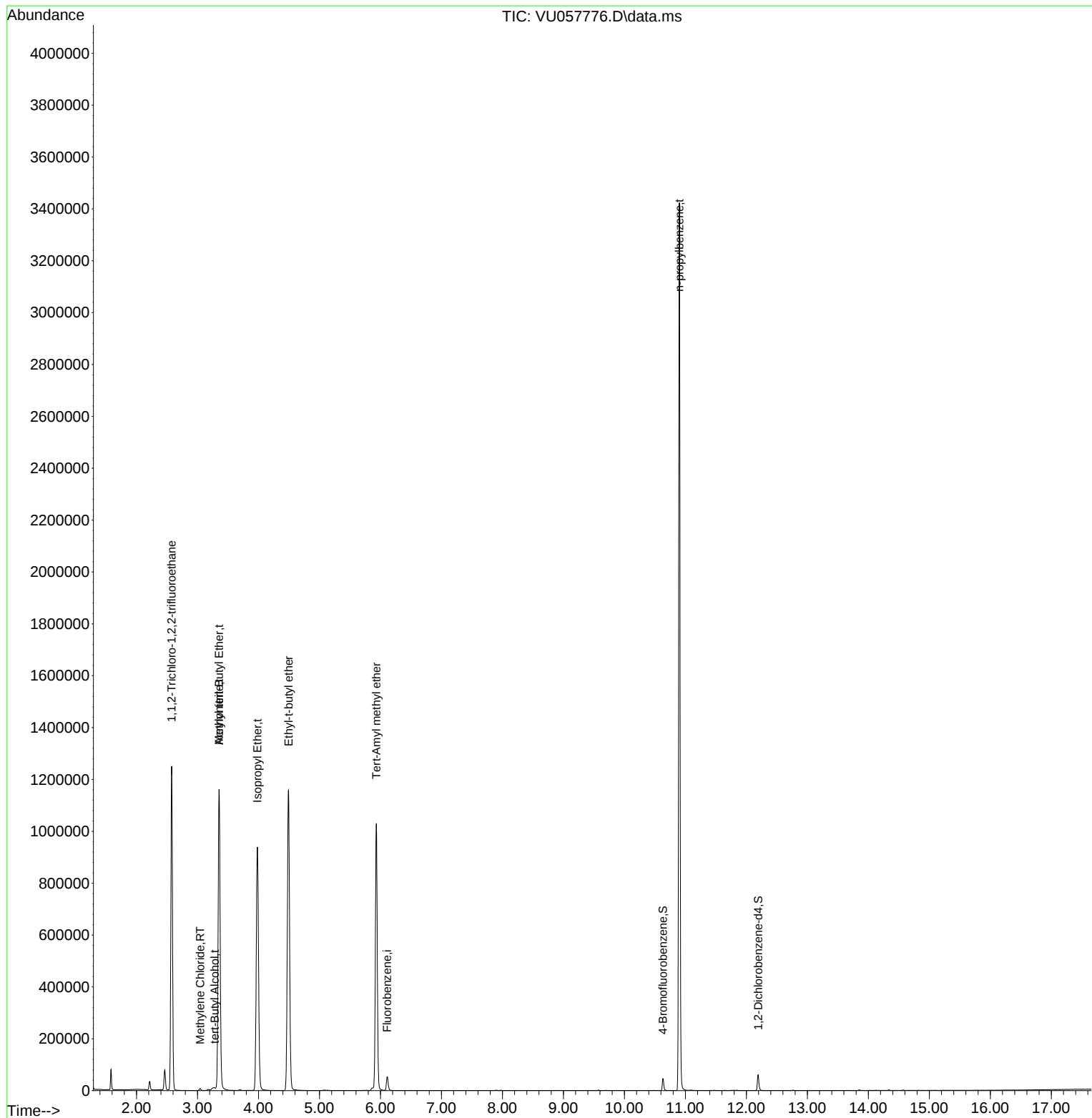
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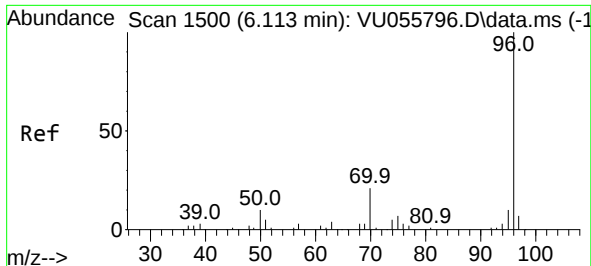
Instrument :
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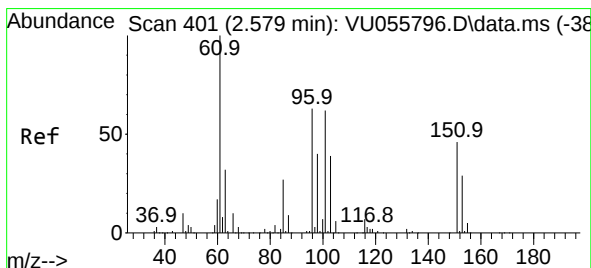
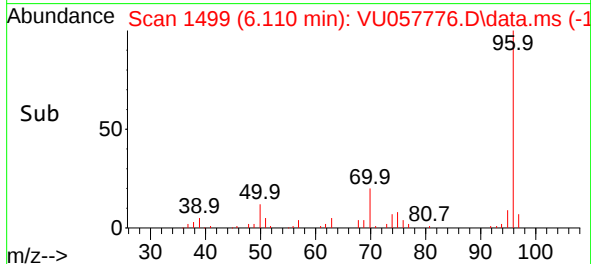
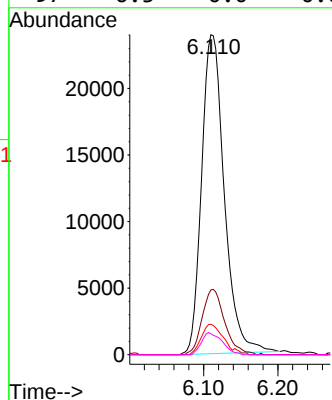
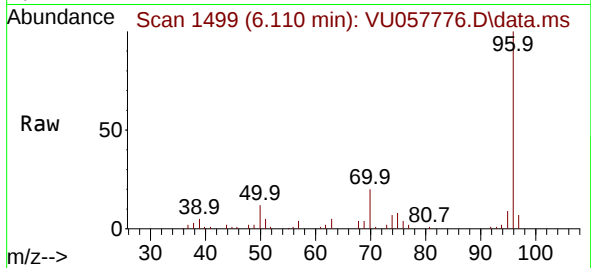
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

Tgt Ion: 96 Resp: 50898
Ion Ratio Lower Upper
96 100
70 20.3 16.5 24.7
95 9.4 7.4 11.0
97 6.3 0.0 0.0#

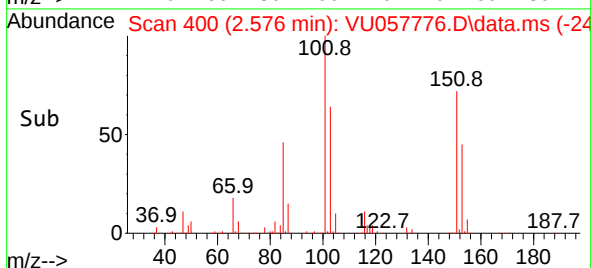
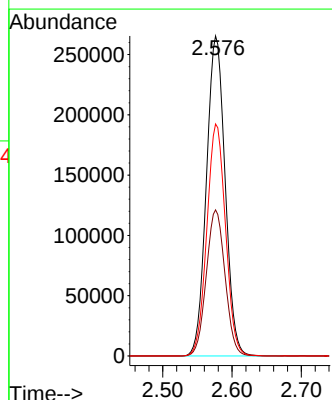
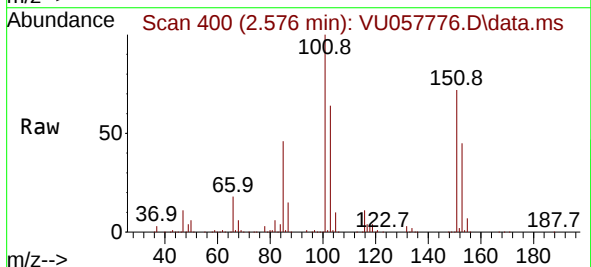
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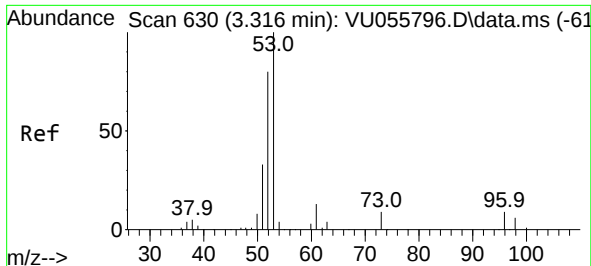
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 37.954 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

Tgt Ion:101 Resp: 495478
Ion Ratio Lower Upper
101 100
85 45.9 35.4 53.0
151 72.6 54.0 81.0





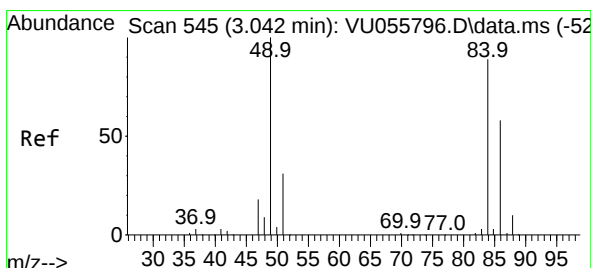
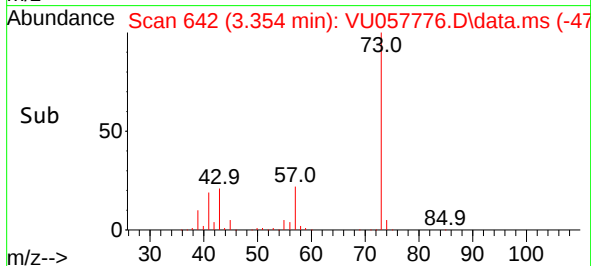
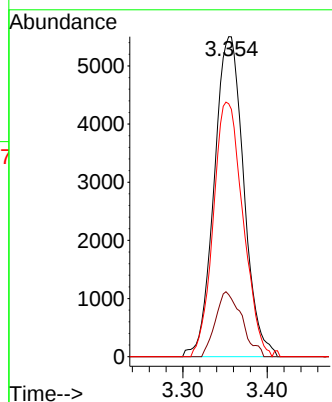
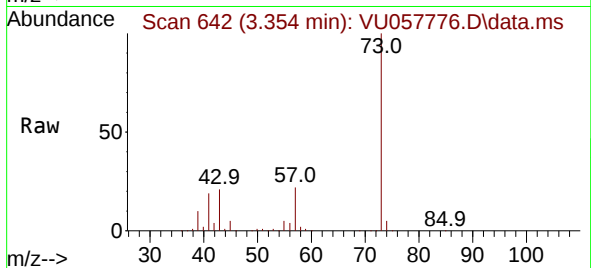
#12
Acrylonitrile
Concen: 6.201 ug/l
RT: 3.354 min Scan# 642
Delta R.T. 0.038 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

Tgt Ion: 53 Resp: 1338
Ion Ratio Lower Upper
53 100
52 18.1 62.9 94.3
51 79.8 27.8 41.6

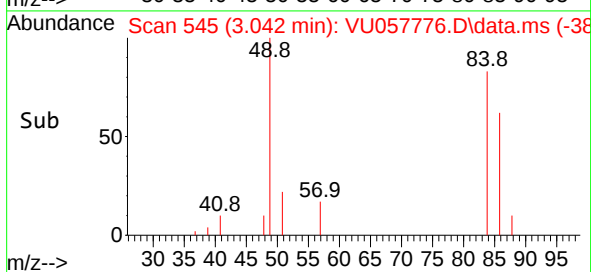
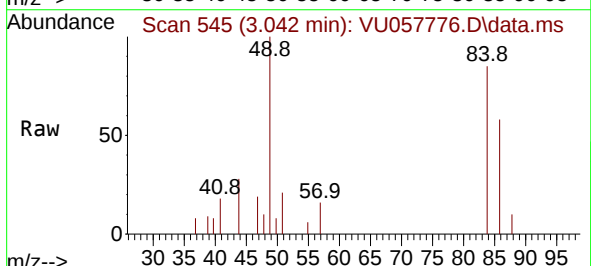
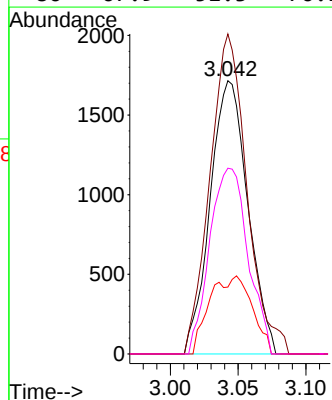
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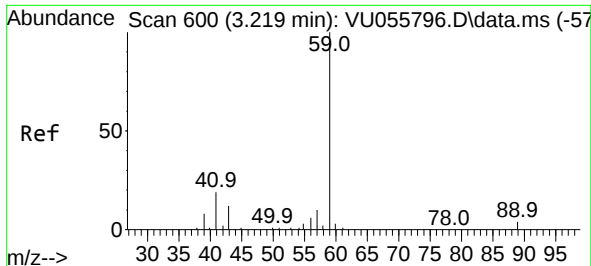
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#15
Methylene Chloride
Concen: 0.219 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

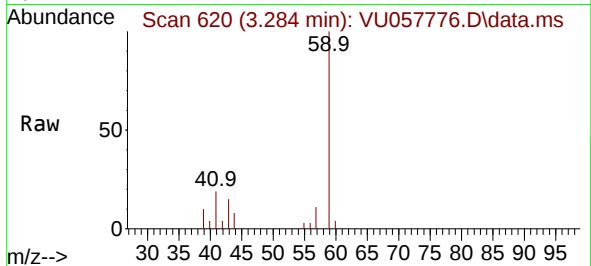
Tgt Ion: 84 Resp: 3313
Ion Ratio Lower Upper
84 100
49 117.1 98.9 148.3
51 24.5 0.0 75.4
86 67.9 51.3 76.9





#24
tert-Butyl Alcohol
Concen: 58.875 ug/l m
RT: 3.284 min Scan# 61
Delta R.T. 0.065 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

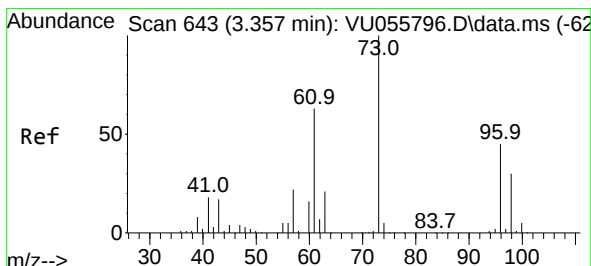
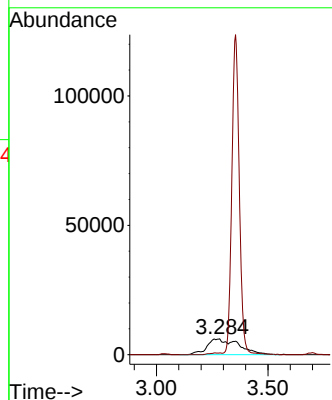
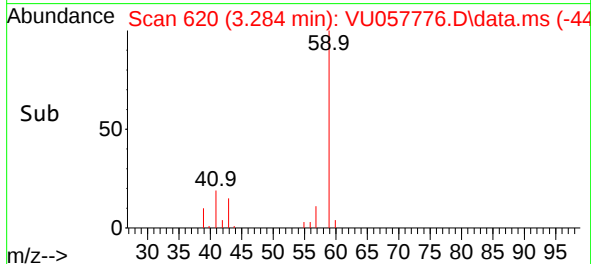
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS



Tgt Ion: 59 Resp: 61099
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4

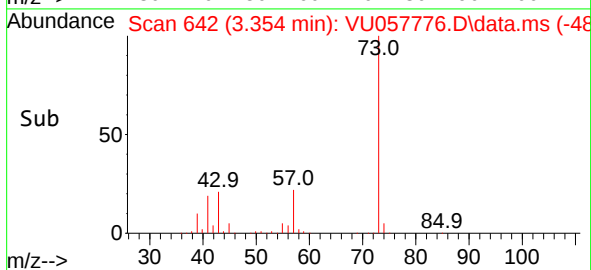
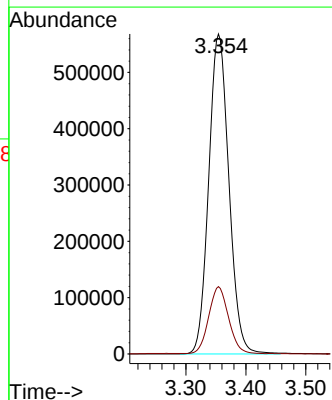
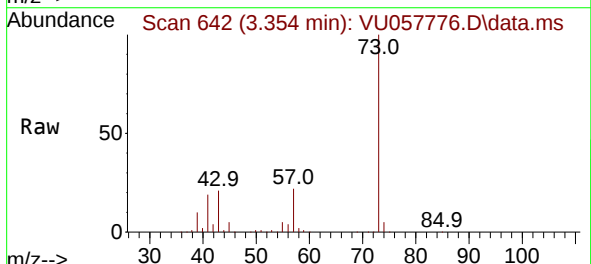
Manual Integrations
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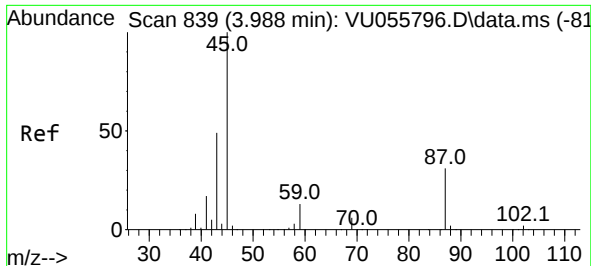
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#25
Methyl tert-Butyl Ether
Concen: 44.698 ug/l
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

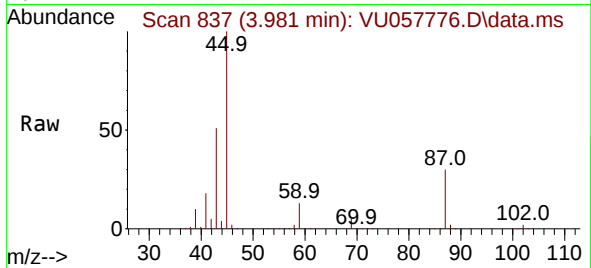
Tgt Ion: 73 Resp: 1326711
Ion Ratio Lower Upper
73 100
43 20.5 15.0 22.6





#31
Isopropyl Ether
Concen: 25.603 ug/l
RT: 3.981 min Scan# 81
Delta R.T. -0.007 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

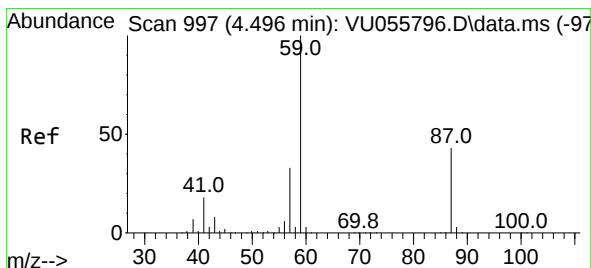
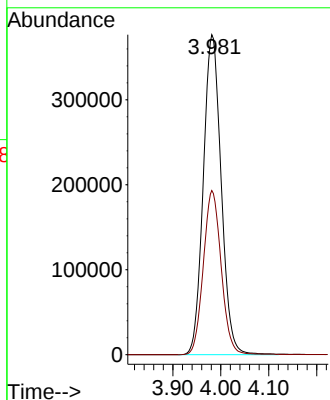
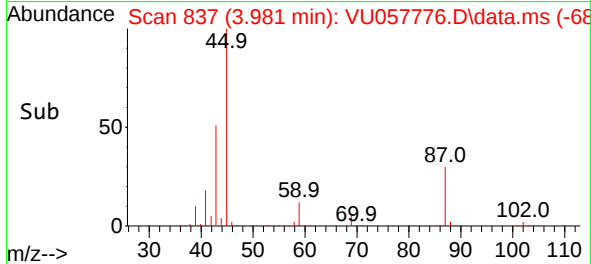
Instrument :
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ClientSampleId :
PT-ADD-WS



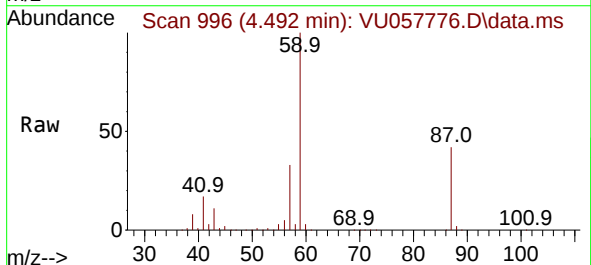
Tgt Ion: 45 Resp: 976824
Ion Ratio Lower Upper
45 100
43 51.2 27.5 82.5

Manual Integrations
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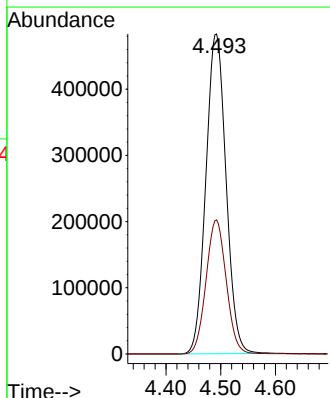
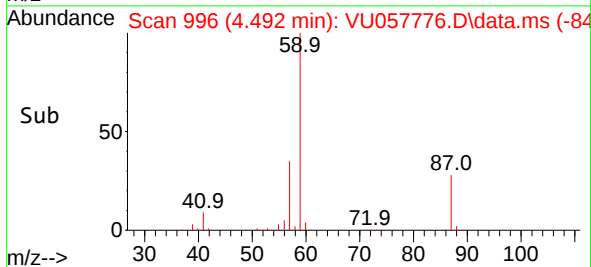
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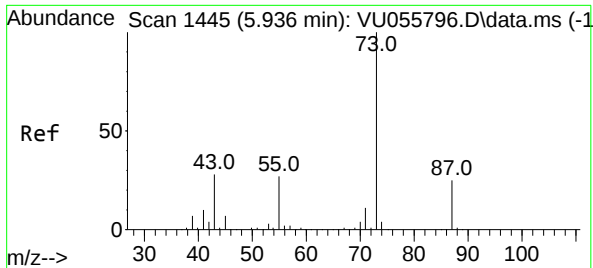


#32
Ethyl-t-butyl ether
Concen: 34.905 ug/l
RT: 4.492 min Scan# 996
Delta R.T. -0.004 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19



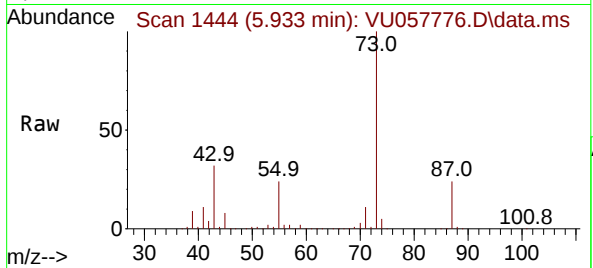
Tgt Ion: 59 Resp: 1236508
Ion Ratio Lower Upper
59 100
87 41.8 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 29.264 ug/l
RT: 5.933 min Scan# 1444
Delta R.T. -0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

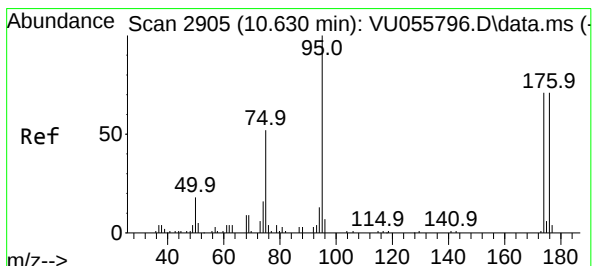
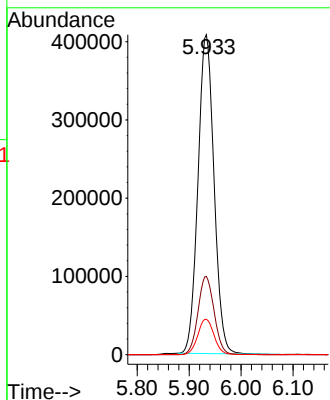
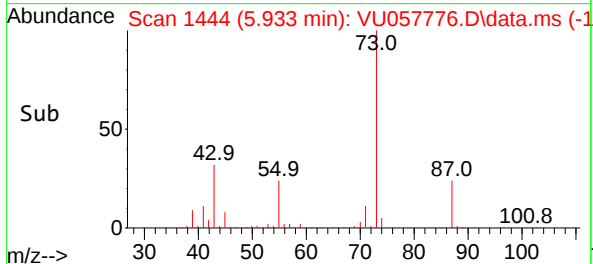
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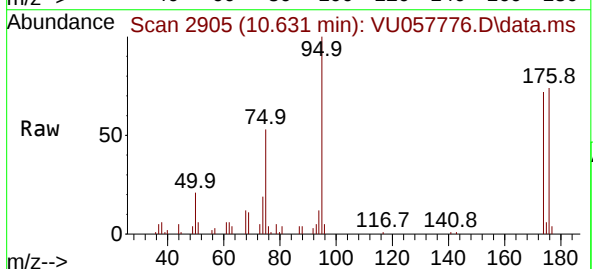
Tgt Ion: 73 Resp: 872729
Ion Ratio Lower Upper
73 100
87 24.8 18.6 28.0
71 11.2 9.9 14.9

Manual Integrations
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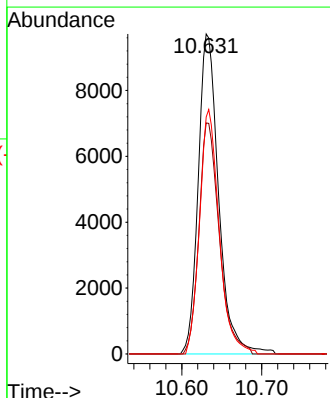
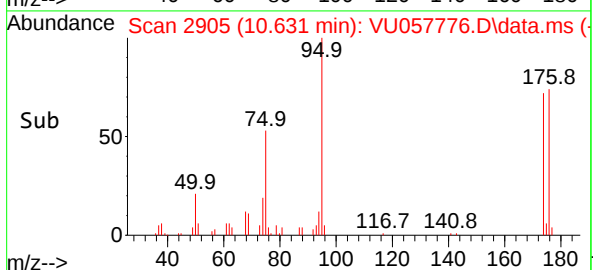
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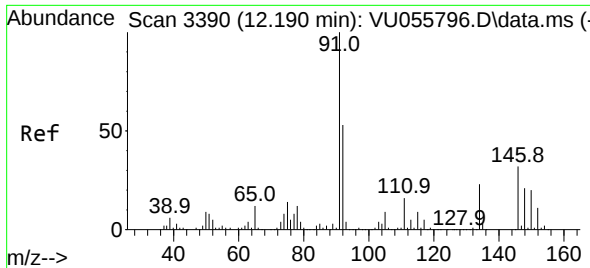


#57
4-Bromofluorobenzene
Concen: 0.897 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19



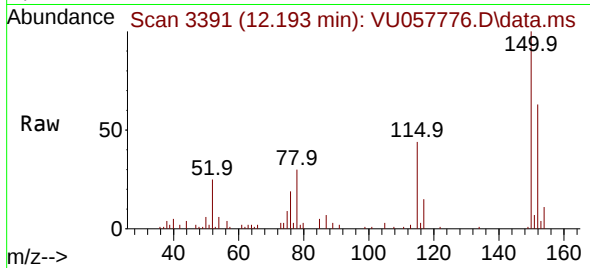
Tgt Ion: 95 Resp: 17281
Ion Ratio Lower Upper
95 100
174 71.9 63.3 94.9
176 73.3 59.3 88.9





#68
1,2-Dichlorobenzene-d4
Concen: 0.901 ug/l
RT: 12.193 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19

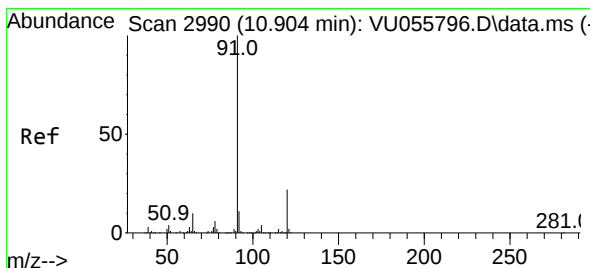
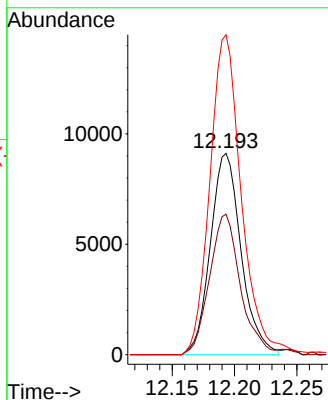
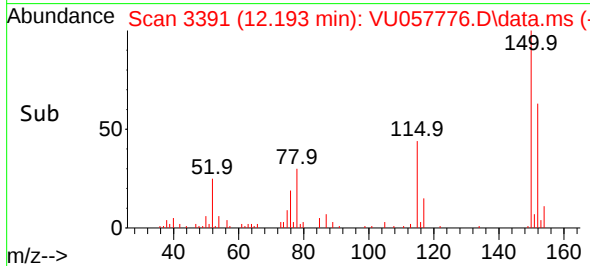
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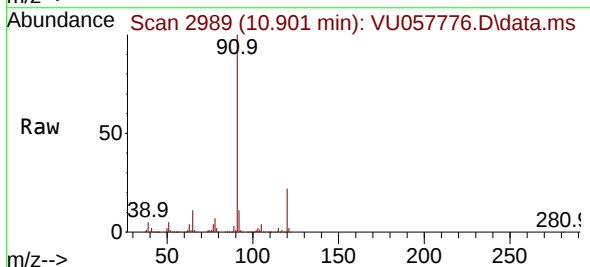
Tgt Ion:152 Resp: 1563
Ion Ratio Lower Upper
152 100
115 69.9 0.0 308.8
150 163.3 0.0 635.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/08/2024
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#73
n-propylbenzene
Concen: 34.882 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. -0.003 min
Lab File: VU057776.D
Acq: 01 Feb 2024 14:19



Tgt Ion:120 Resp: 565721
Ion Ratio Lower Upper
120 100
91 462.8 369.8 554.6

