

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)

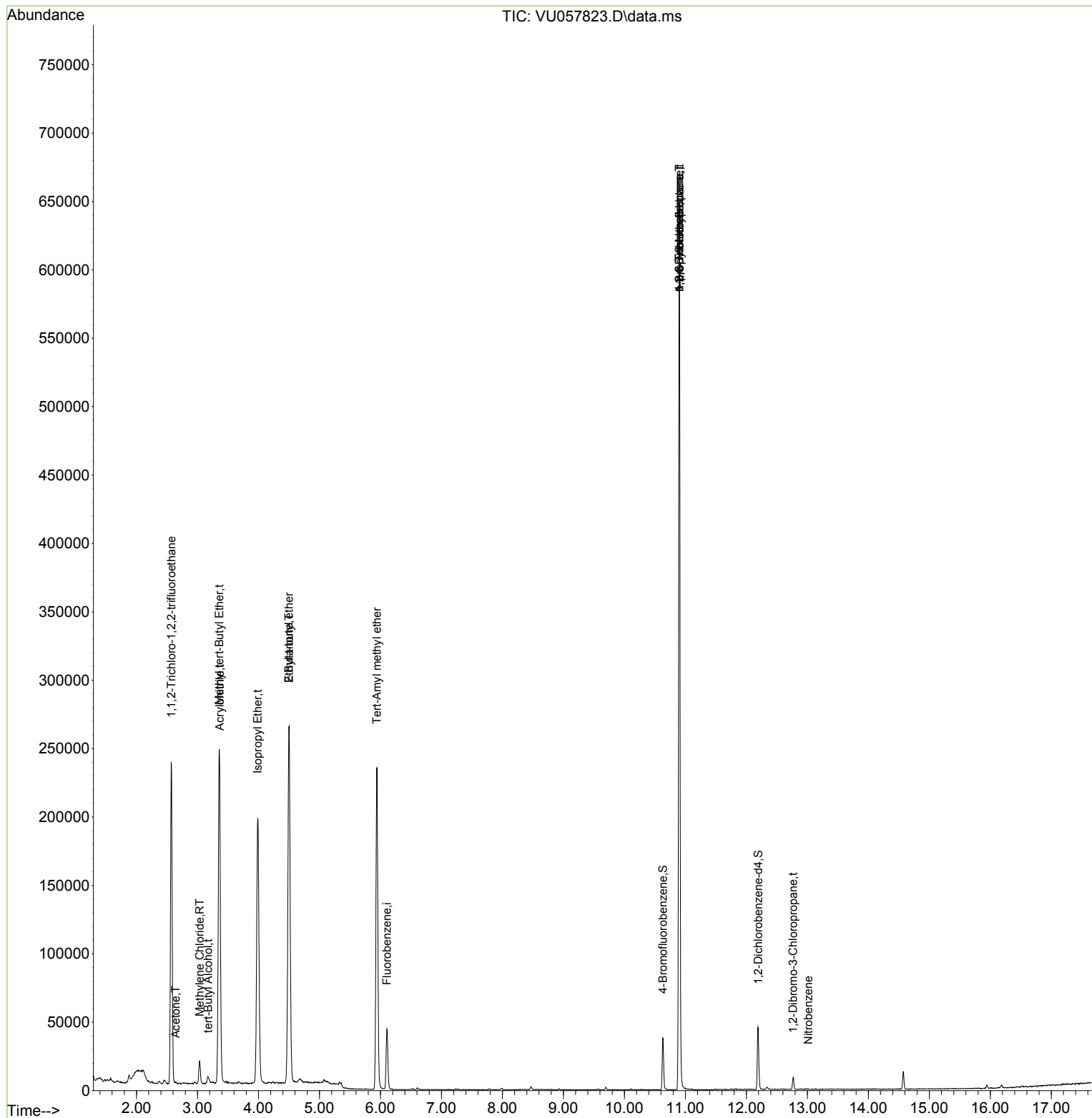
Internal Standards						
1) Fluorobenzene	6.107	96	41547	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	12717	0.834	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	12365	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	94275	9.245	ug/l	98
12) Acrylonitrile	3.364	53	3181	1.507	ug/l #	32
13) Acetone	2.641	43	1191	0.288	ug/l	99
15) Methylene Chloride	3.036	84	6999	0.545	ug/l	90
18) 2-Butanone	4.499	43	31434	7.585	ug/l #	1
24) tert-Butyl Alcohol	3.174	59	3813	6.811	ug/l #	1
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
46) t-1,4-Dichloro-2-butene	10.901	75	3494	2.070	ug/l #	1
71) 1,2,3-Trichloropropane	10.901	75	3494	0.424	ug/l #	1
73) n-propylbenzene	10.901	120	107270	7.675	ug/l	98
75) 1,3,5-Trimethylbenzene	10.901	105	18052	0.399	ug/l #	1
80) Nitrobenzene	13.016	77	45	2.202	ug/l #	40
86) 1,2-Dibromo-3-Chloropr...	12.766	75	363	0.233	ug/l #	5

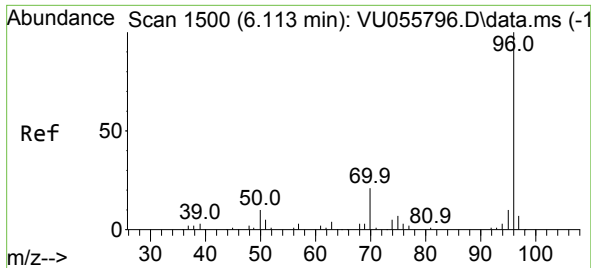
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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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

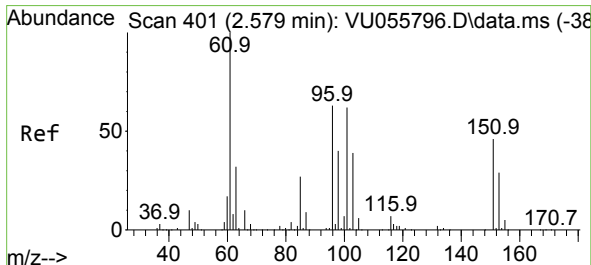
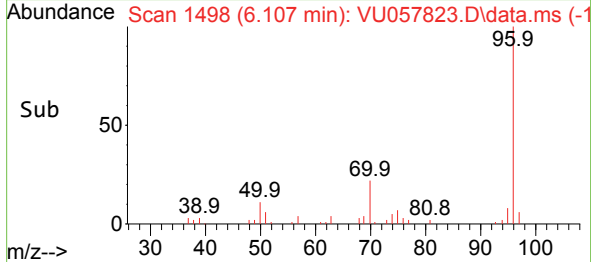
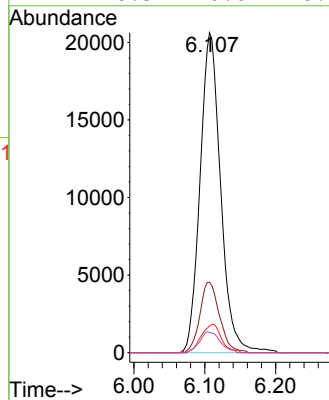
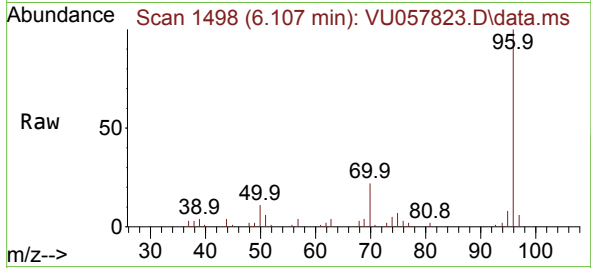




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.004 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

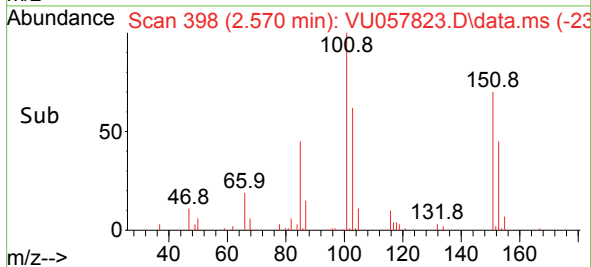
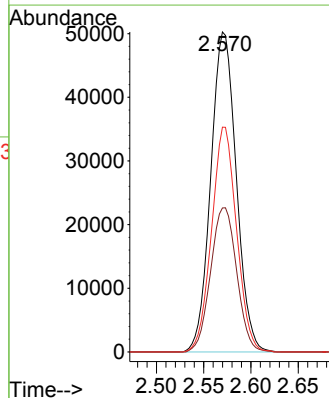
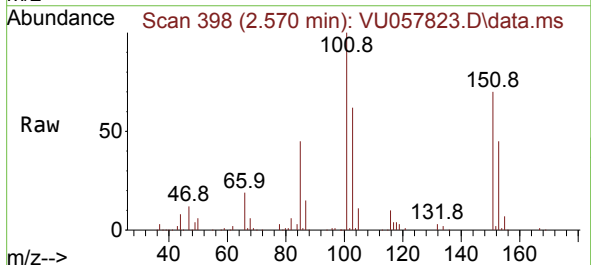
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

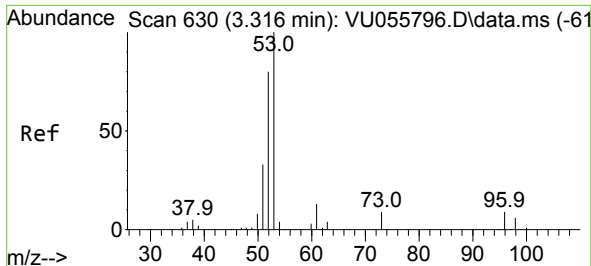
Tgt Ion: 96	Resp: 41547
Ion Ratio	Lower Upper
96 100	
70 21.1	16.5 24.7
95 8.7	7.4 11.0
97 6.5	0.0 0.0



#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





#12

Acrylonitrile

Concen: 1.507 ug/l

RT: 3.364 min Scan# 64

Delta R.T. 0.055 min

Lab File: VU057823.D

Acq: 06 Feb 2024 16:10

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

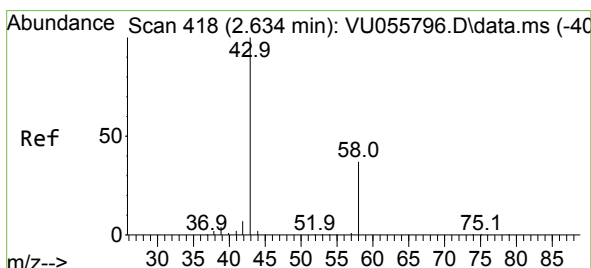
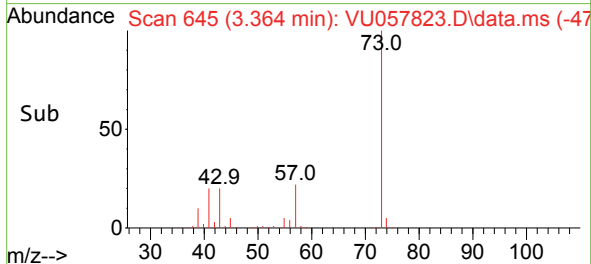
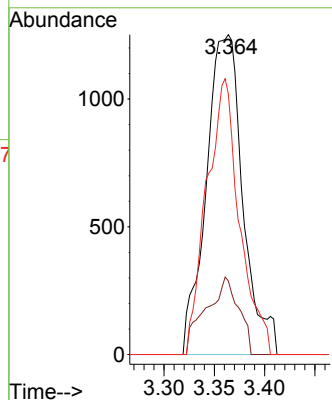
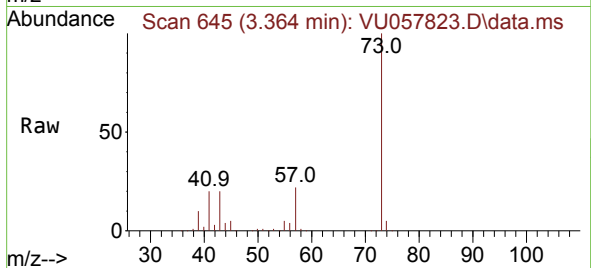
Tgt Ion: 53 Resp: 3181

Ion Ratio Lower Upper

53 100

52 21.6 62.9 94.3#

51 77.3 27.8 41.6#



#13

Acetone

Concen: 0.288 ug/l

RT: 2.641 min Scan# 420

Delta R.T. 0.010 min

Lab File: VU057823.D

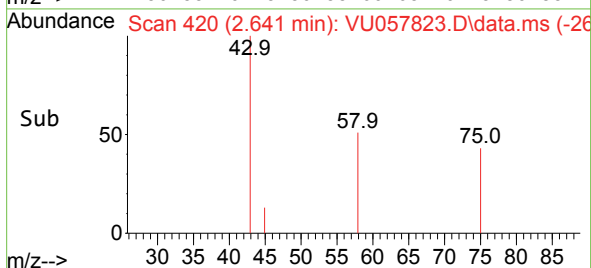
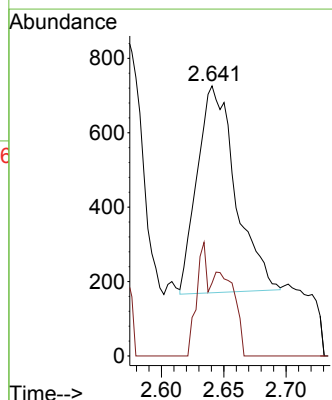
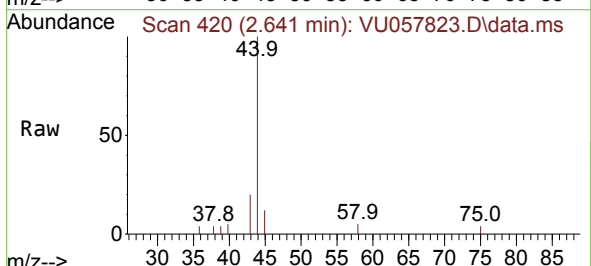
Acq: 06 Feb 2024 16:10

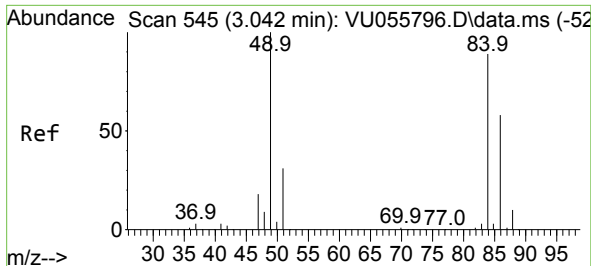
Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

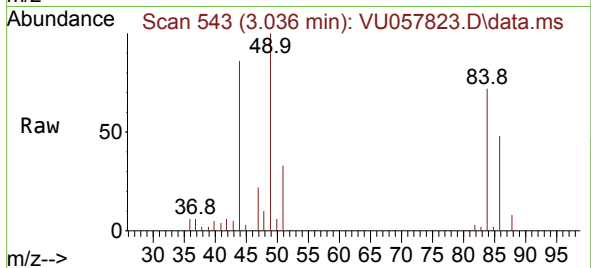
58 35.8 29.0 43.4



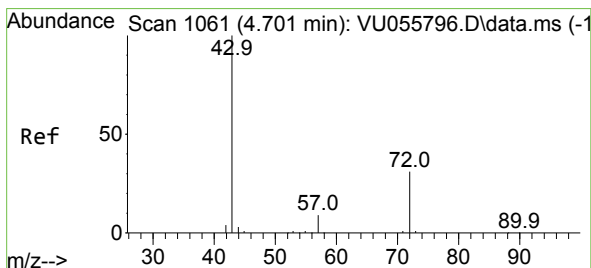
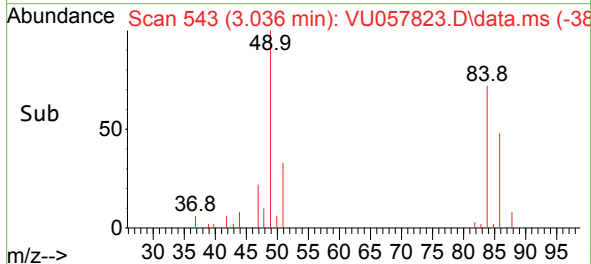
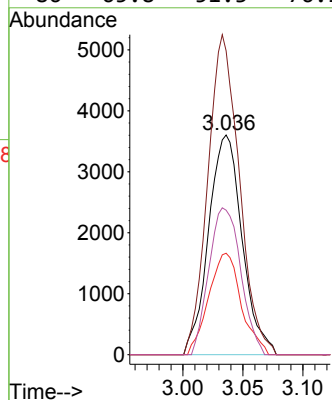


#15
Methylene Chloride
Concen: 0.545 ug/l
RT: 3.036 min Scan# 54
Delta R.T. 0.010 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

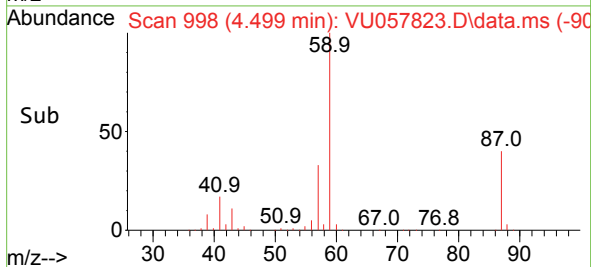
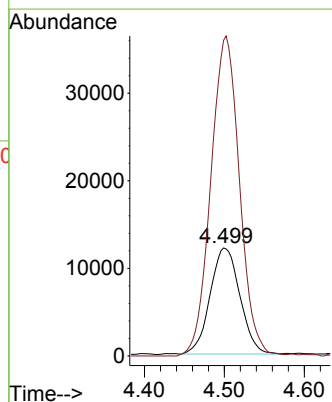
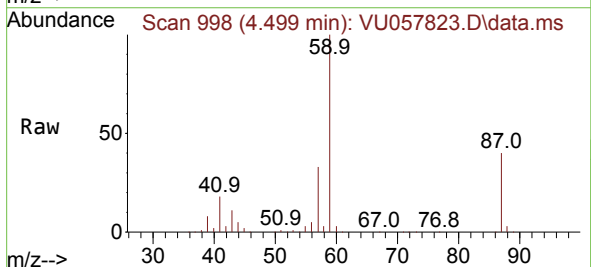


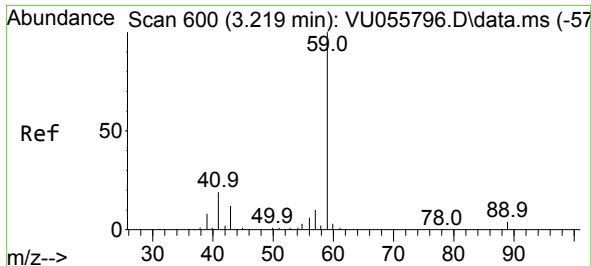
Tgt Ion:	84	Resp:	6999
Ion	Ratio	Lower	Upper
84	100		
49	138.3	98.9	148.3
51	46.1	0.0	75.4
86	65.8	51.3	76.9



#18
2-Butanone
Concen: 7.585 ug/l
RT: 4.499 min Scan# 998
Delta R.T. -0.212 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

Tgt Ion:	43	Resp:	31434
Ion	Ratio	Lower	Upper
43	100		
57	295.9	0.0	19.6#

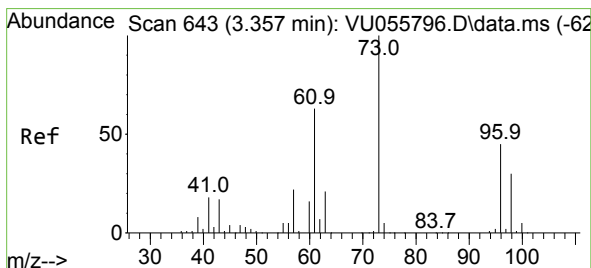
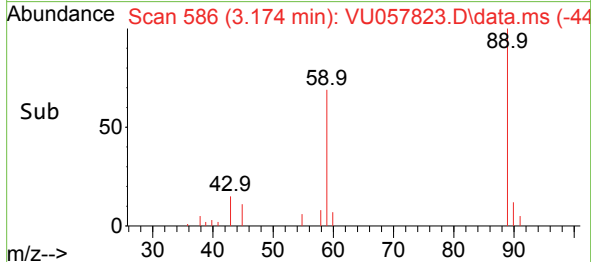
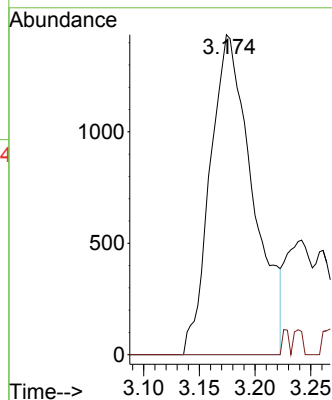
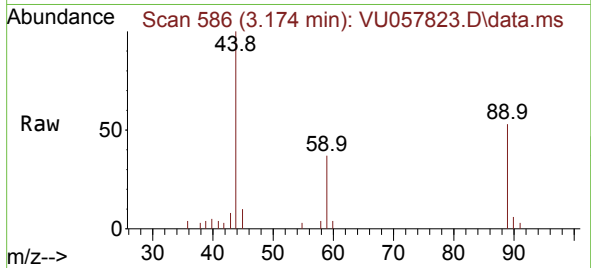




#24
tert-Butyl Alcohol
Concen: 6.811 ug/l
RT: 3.174 min Scan# 586
Delta R.T. -0.058 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

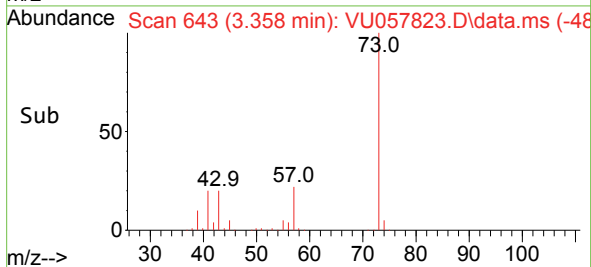
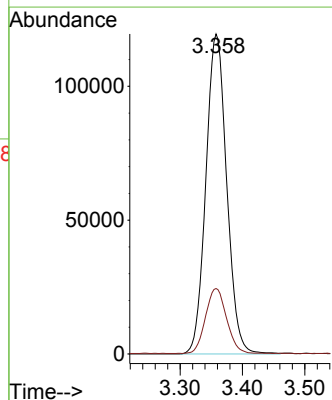
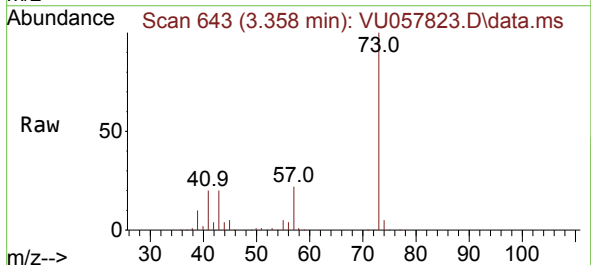
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

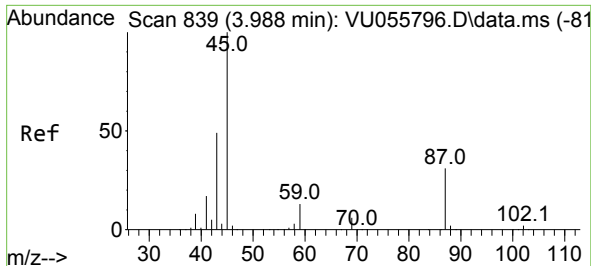
Tgt Ion: 59 Resp: 3813
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#



#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

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

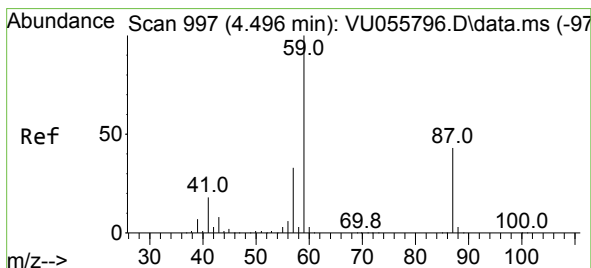
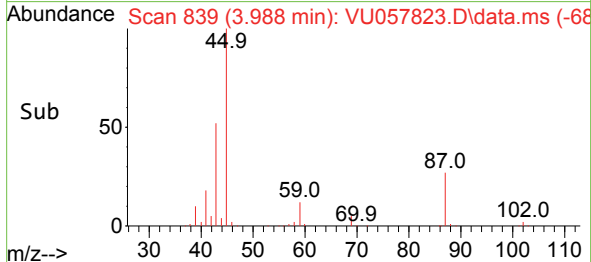
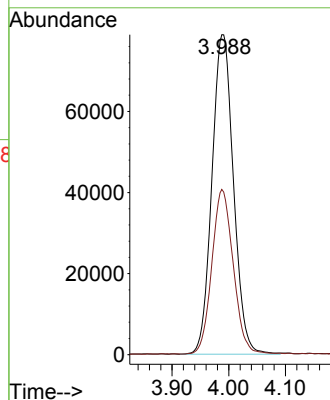
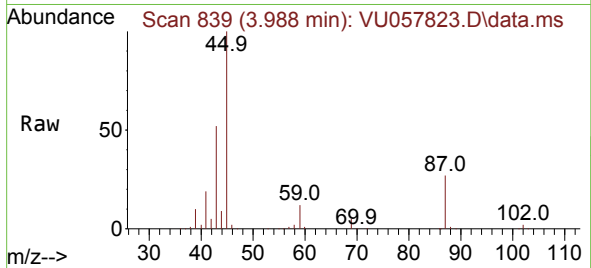




#31
Isopropyl Ether
Concen: 6.219 ug/l
RT: 3.988 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

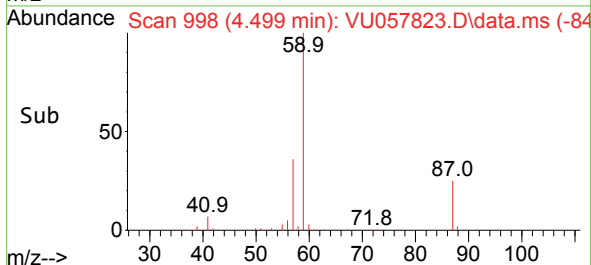
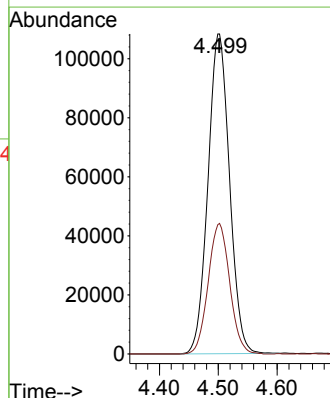
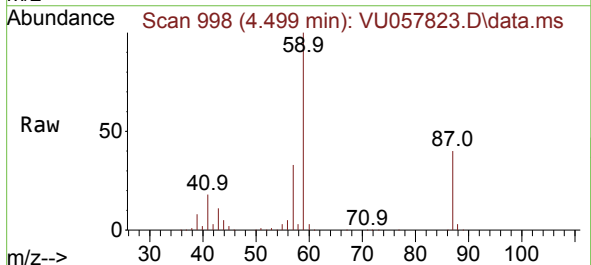
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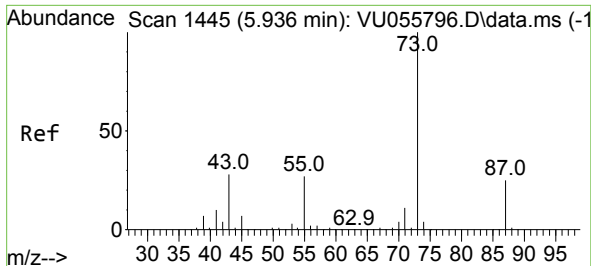
Tgt Ion: 45 Resp: 208221
Ion Ratio Lower Upper
45 100
43 51.1 27.5 82.5



#32
Ethyl-t-butyl ether
Concen: 8.366 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.000 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

Tgt Ion: 59 Resp: 275484
Ion Ratio Lower Upper
59 100
87 40.8 33.5 50.3

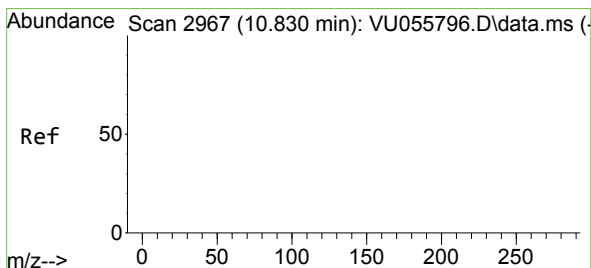
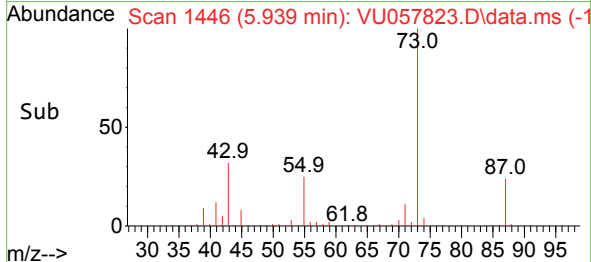
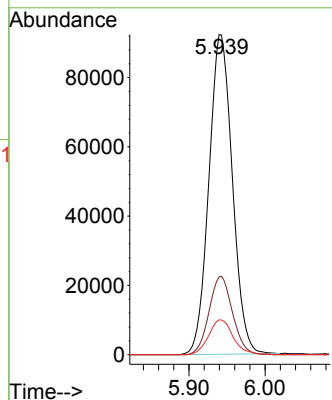
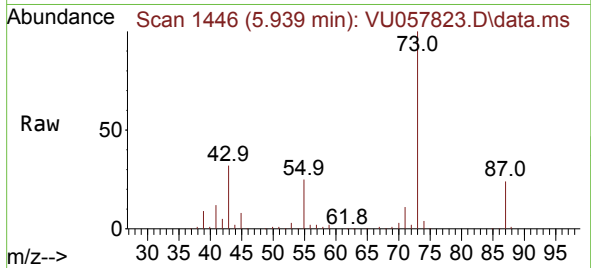




#33
Tert-Amyl methyl ether
Concen: 7.173 ug/l
RT: 5.939 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

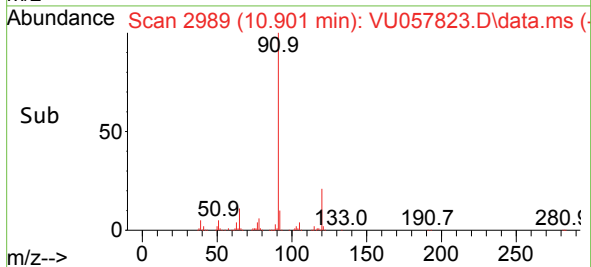
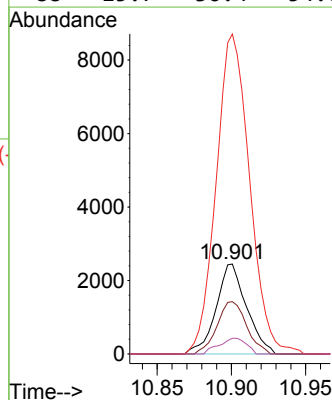
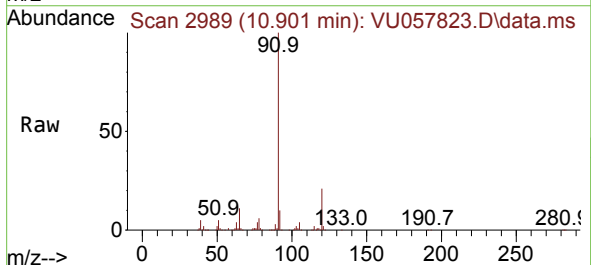
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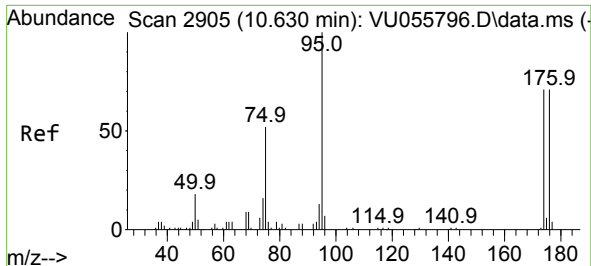
Tgt Ion: 73 Resp: 197726
Ion Ratio Lower Upper
73 100
87 24.5 18.6 28.0
71 11.4 9.9 14.9



#46
t-1,4-Dichloro-2-butene
Concen: 2.070 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.064 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

Tgt Ion: 75 Resp: 3494
Ion Ratio Lower Upper
75 100
53 56.4 73.3 109.9#
89 390.9 48.2 72.4#
88 15.7 36.4 54.6#

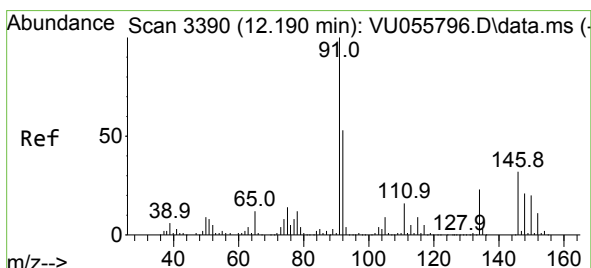
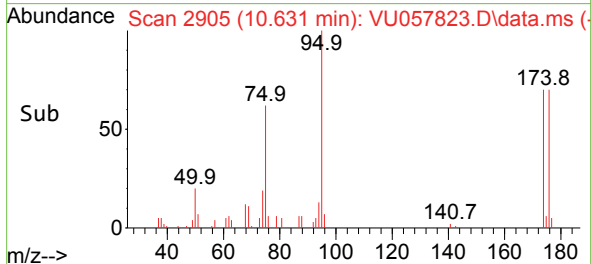
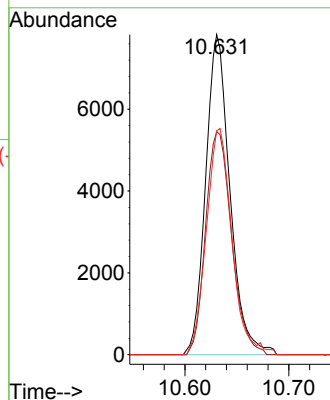
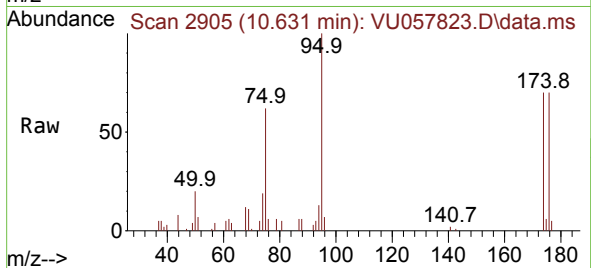




#57
 4-Bromofluorobenzene
 Concen: 0.834 ug/l
 RT: 10.631 min Scan# 2905
 Delta R.T. 0.000 min
 Lab File: VU057823.D
 Acq: 06 Feb 2024 16:10

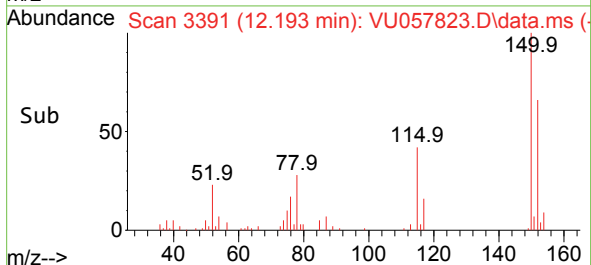
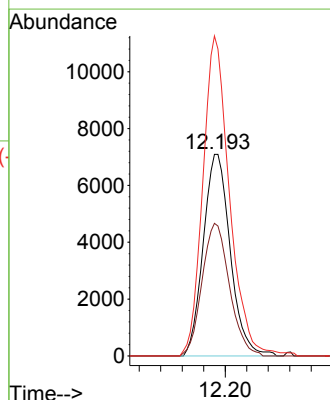
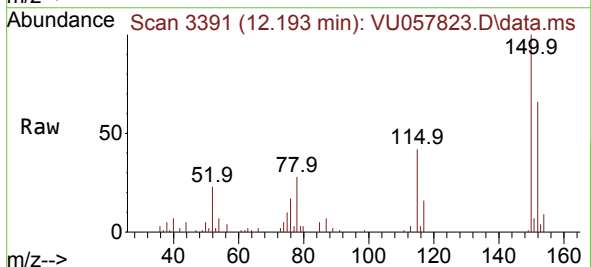
Instrument :
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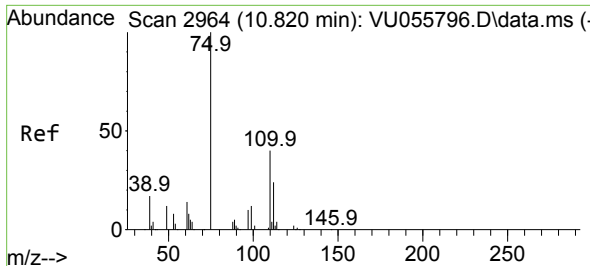
Tgt Ion: 95 Resp: 12717
 Ion Ratio Lower Upper
 95 100
 174 74.4 63.3 94.9
 176 74.4 59.3 88.9



#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

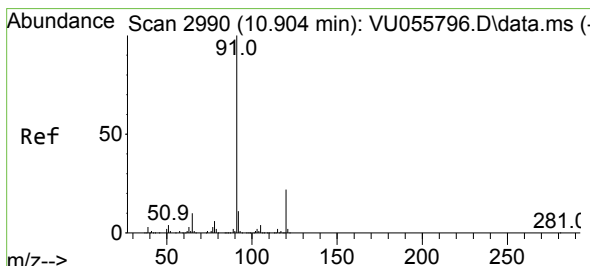
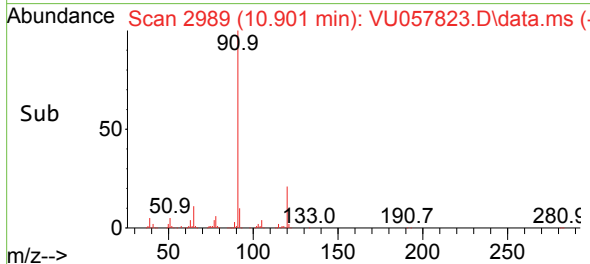
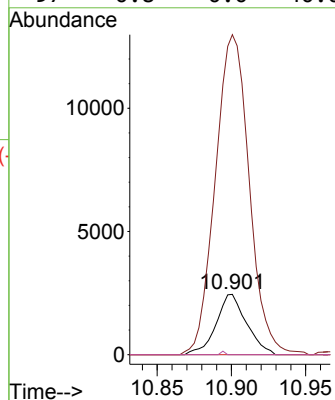
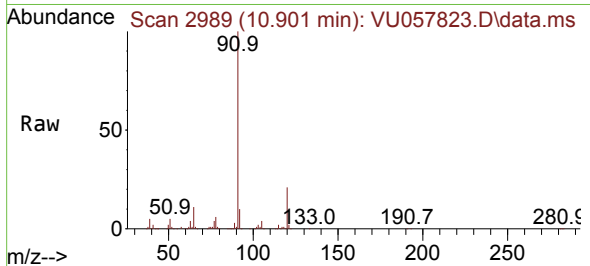




#71
1,2,3-Trichloropropane
Concen: 0.424 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.068 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

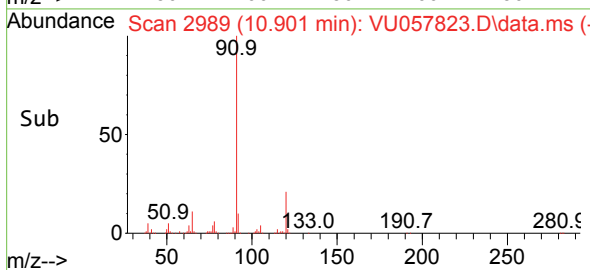
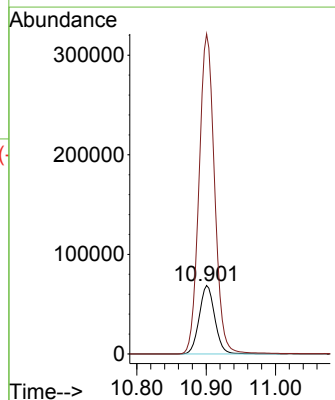
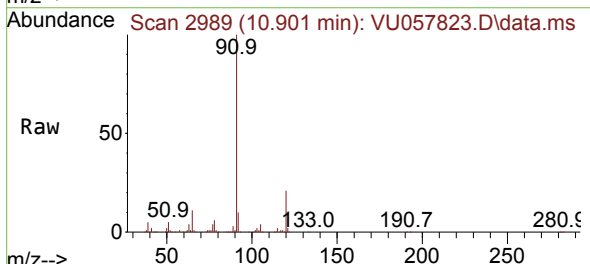
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

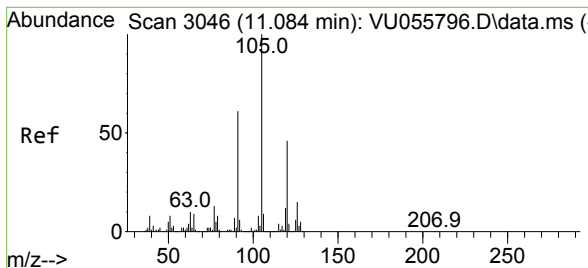
Tgt Ion: 75 Resp: 3494
Ion Ratio Lower Upper
75 100
77 591.2 0.0 116.4#
110 0.0 0.0 74.6
97 0.8 0.0 40.0



#73
n-propylbenzene
Concen: 7.675 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.000 min
Lab File: VU057823.D
Acq: 06 Feb 2024 16:10

Tgt Ion:120 Resp: 107270
Ion Ratio Lower Upper
120 100
91 467.8 369.8 554.6





#75

1,3,5-Trimethylbenzene

Concen: 0.399 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. -0.183 min

Lab File: VU057823.D

Acq: 06 Feb 2024 16:10

Instrument :

MSVOA_U

ClientSampleId :

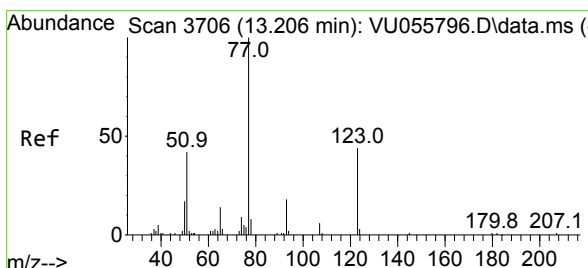
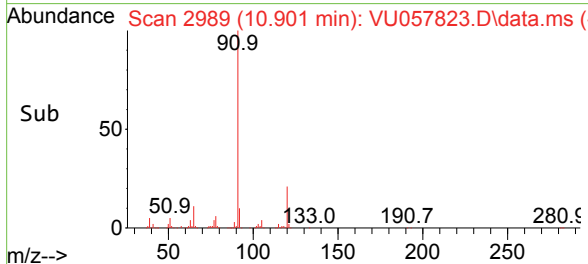
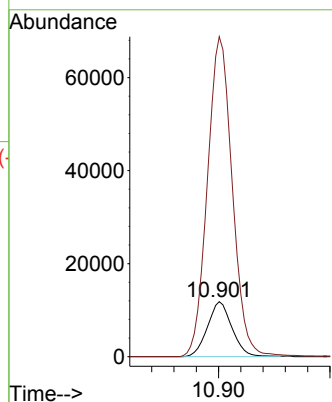
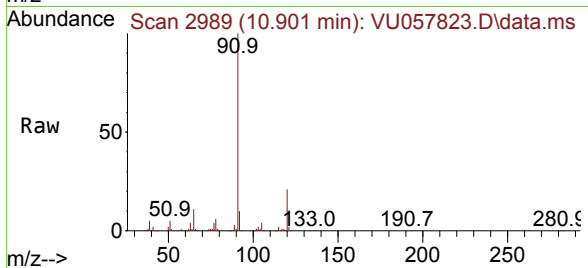
PT-ADD-WSDL

Tgt Ion:105 Resp: 18052

Ion Ratio Lower Upper

105 100

120 594.2 37.8 56.8#



#80

Nitrobenzene

Concen: 2.202 ug/l

RT: 13.016 min Scan# 3647

Delta R.T. -0.190 min

Lab File: VU057823.D

Acq: 06 Feb 2024 16:10

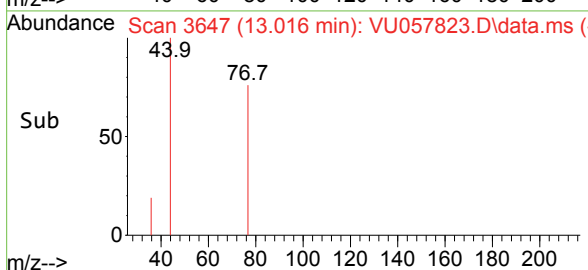
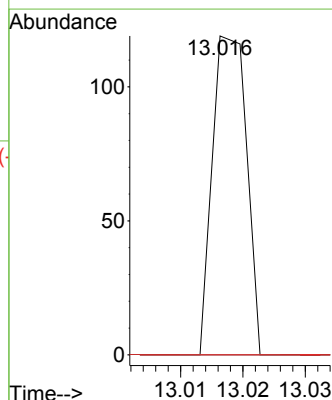
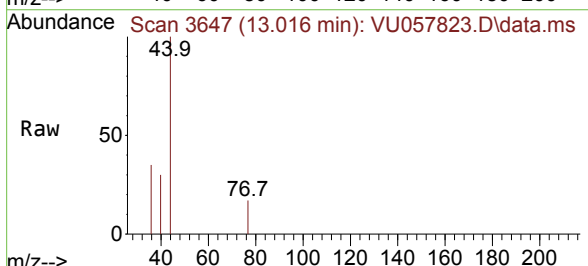
Tgt Ion: 77 Resp: 45

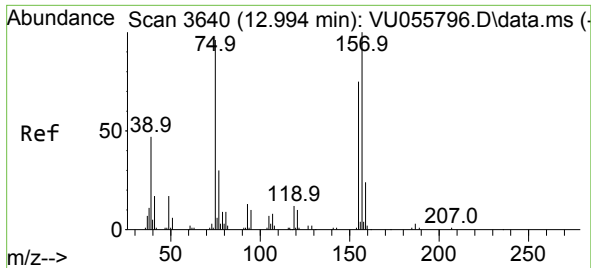
Ion Ratio Lower Upper

77 100

123 0.0 19.7 69.7#

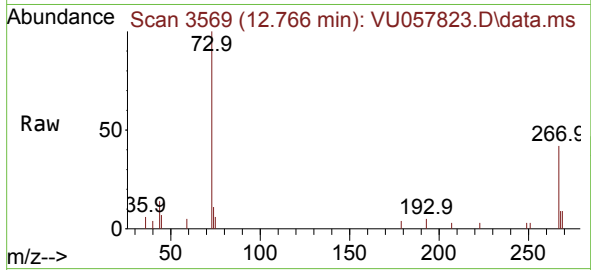
65 0.0 11.5 14.7#





#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.233 ug/l
 RT: 12.766 min Scan# 31
 Delta R.T. -0.228 min
 Lab File: VU057823.D
 Acq: 06 Feb 2024 16:10

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL



Tgt Ion: 75 Resp: 363
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.8 92.8#
 157 0.0 80.2 120.4#

