

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054882.D
 Acq On : 26 Jul 2023 17:43
 Operator : MD/SY
 Sample : 03587-10DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Quant Time: Jul 28 03:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

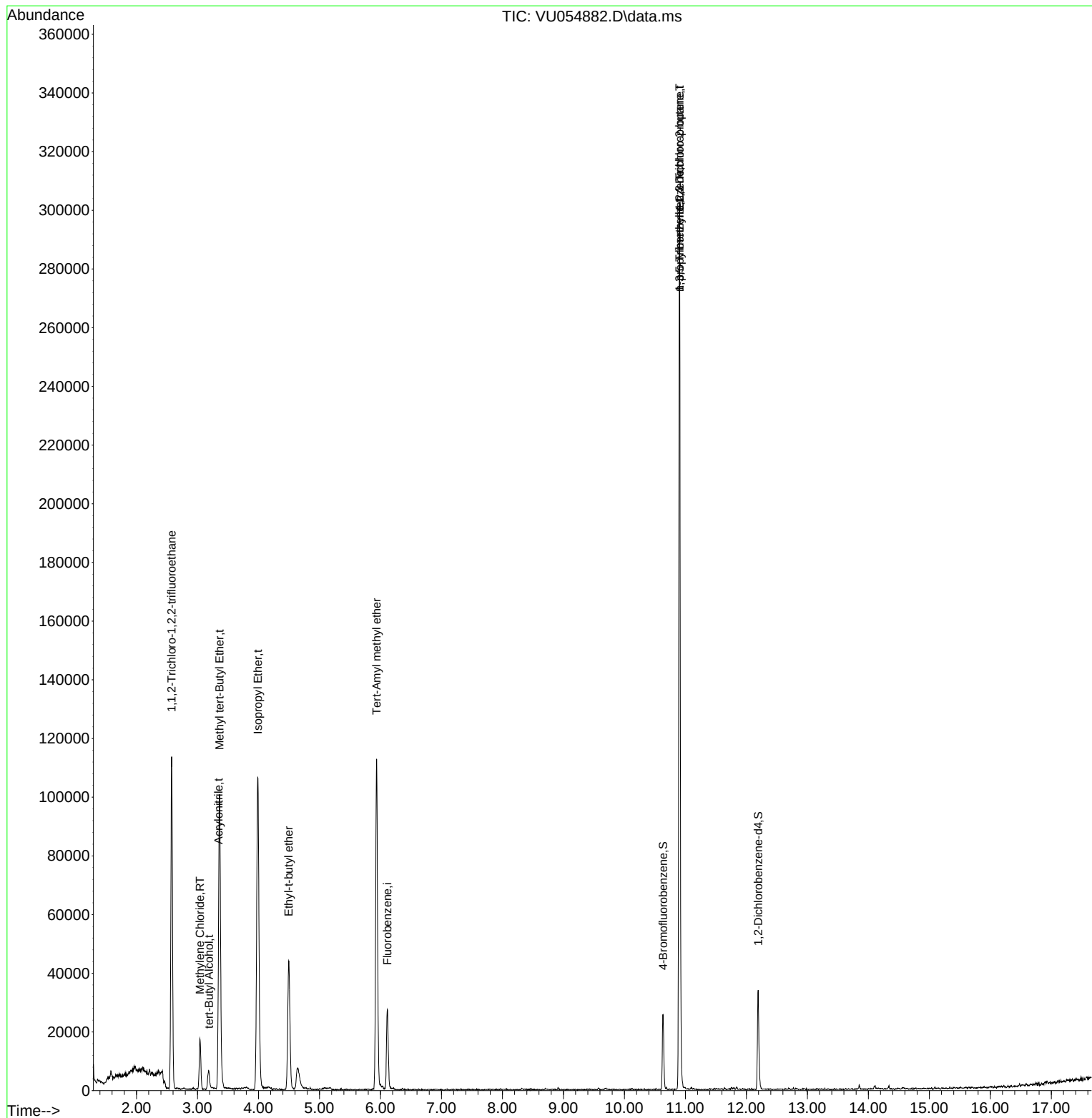
Internal Standards						
1) Fluorobenzene	6.113	96	27159	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	7953	0.966	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8488	0.912	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	43891	7.430	ug/l	98
12) Acrylonitrile	3.348	53	395	0.336	ug/l #	18
15) Methylene Chloride	3.039	84	8600	1.393	ug/l	94
24) tert-Butyl Alcohol	3.190	59	3810	5.920	ug/l #	92
25) Methyl tert-Butyl Ether	3.361	73	122700	8.456	ug/l	97
31) Isopropyl Ether	3.991	45	106909	6.344	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	45942	2.648	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	102451	6.245	ug/l	99
46) t-1,4-Dichloro-2-butene	10.907	75	1419	0.931	ug/l #	1
71) 1,2,3-Trichloropropane	10.907	75	1419	0.313	ug/l #	42
73) n-propylbenzene	10.904	120	55804	6.370	ug/l	97
75) 1,3,5-Trimethylbenzene	10.904	105	8653	0.326	ug/l #	1

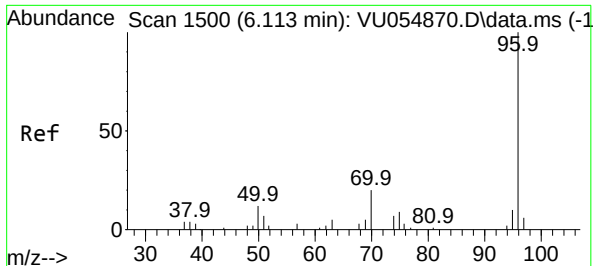
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 09:45:35 2023
Response via : Initial Calibration

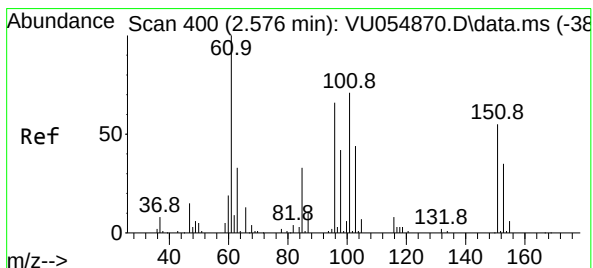
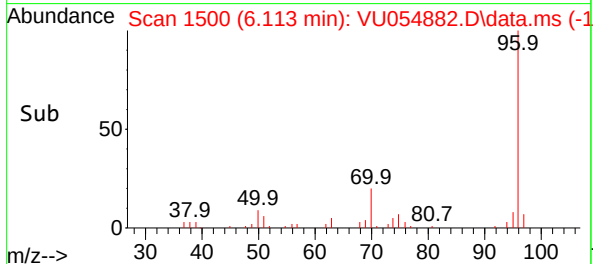
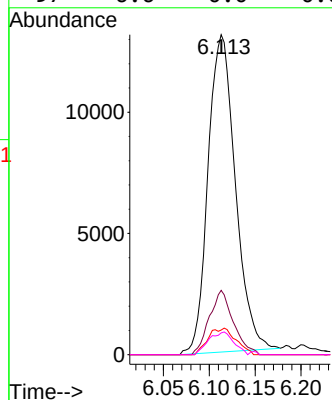
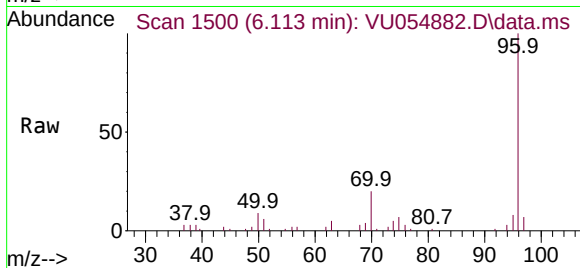




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

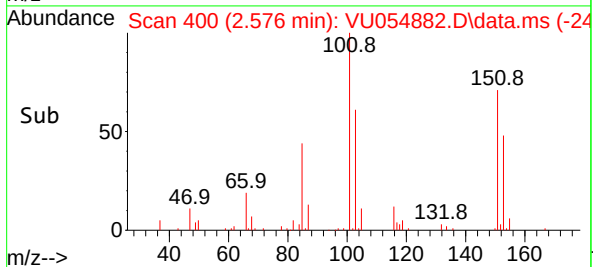
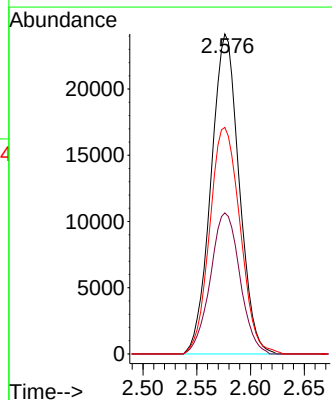
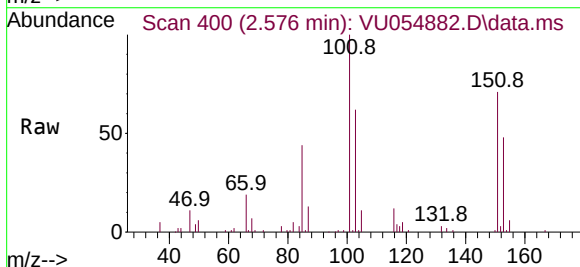
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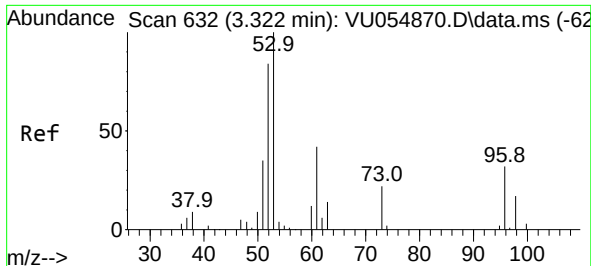
Tgt Ion:	96	Resp:	27159
Ion	Ratio	Lower	Upper
96	100		
70	17.8	14.0	21.0
95	3.6	8.7	13.1#
97	6.6	0.0	0.0#



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.430 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion:	101	Resp:	43891
Ion	Ratio	Lower	Upper
101	100		
85	46.4	34.8	52.2
151	76.6	60.5	90.7

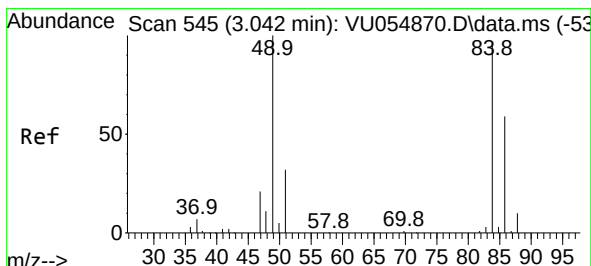
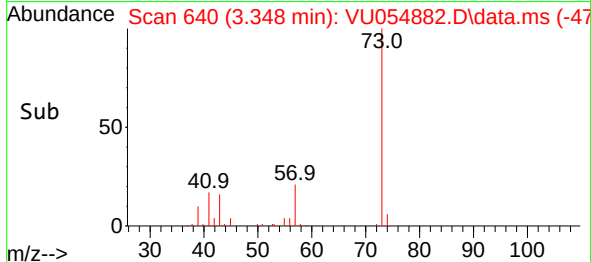
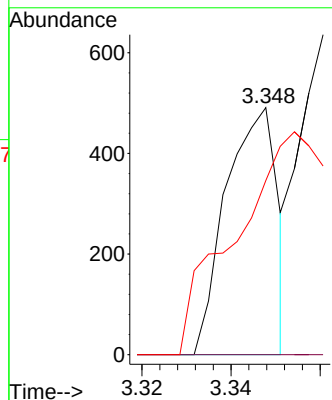
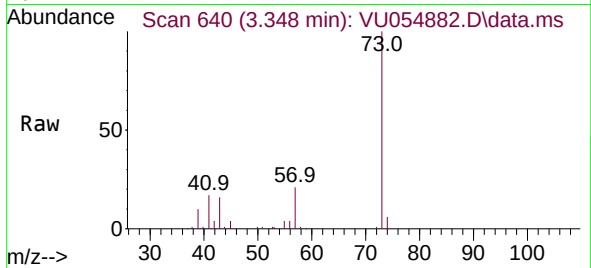




#12
Acrylonitrile
Concen: 0.336 ug/l
RT: 3.348 min Scan# 64
Delta R.T. 0.026 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

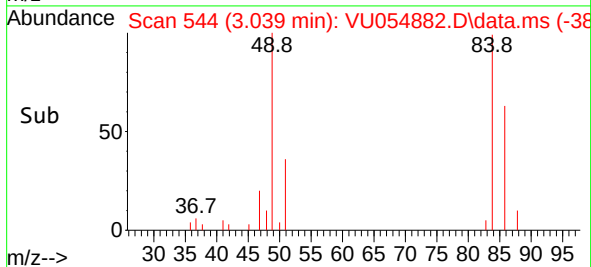
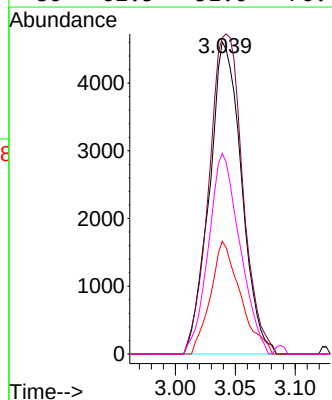
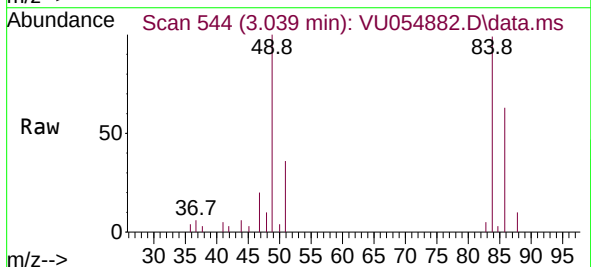
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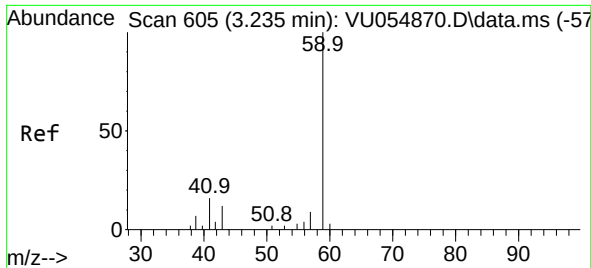
Tgt Ion: 53 Resp: 395
Ion Ratio Lower Upper
53 100
52 0.0 64.2 96.4#
51 0.0 33.6 50.4#



#15
Methylene Chloride
Concen: 1.393 ug/l
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion: 84 Resp: 8600
Ion Ratio Lower Upper
84 100
49 98.5 87.8 131.6
51 35.1 0.0 68.2
86 62.5 51.0 76.4

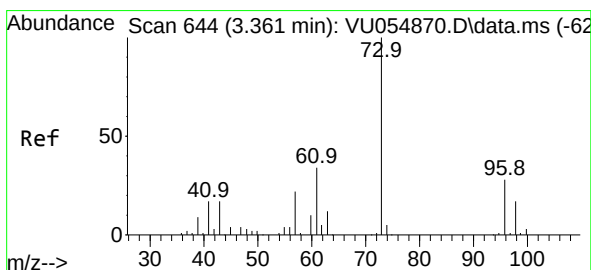
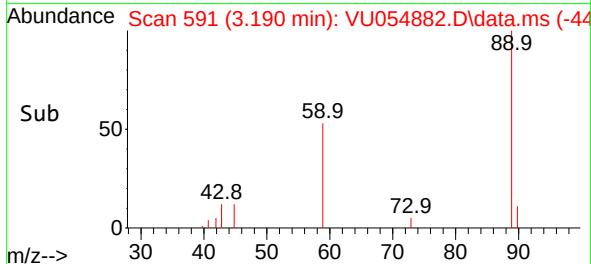
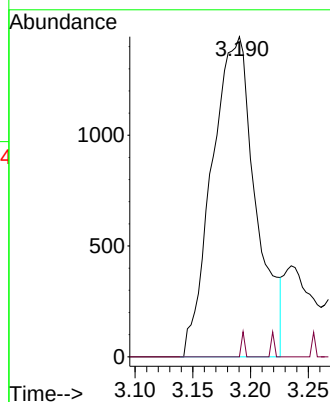
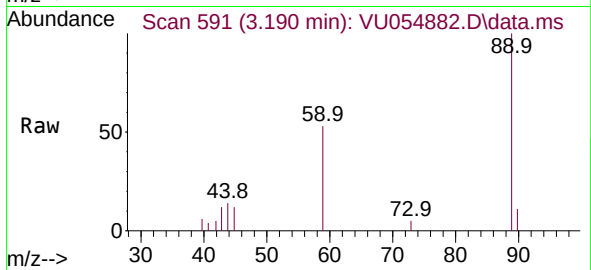




#24
tert-Butyl Alcohol
Concen: 5.920 ug/l
RT: 3.190 min Scan# 591
Delta R.T. -0.045 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

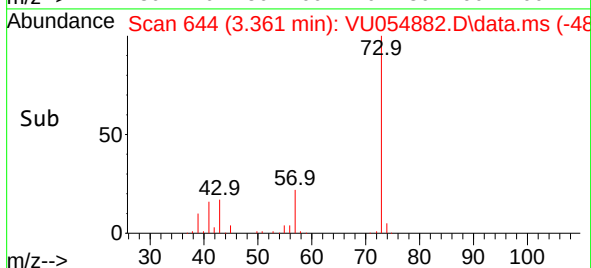
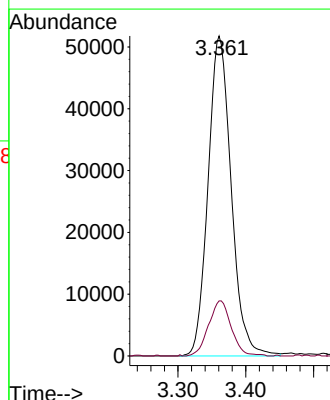
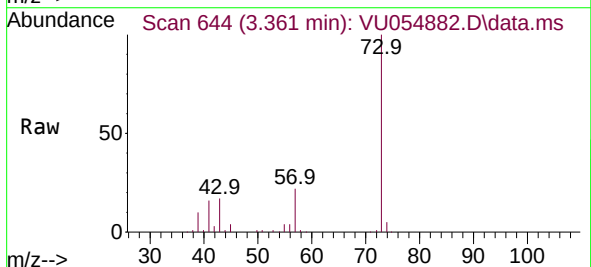
Instrument :
MSVOA_U
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PT-ADD-WSDL

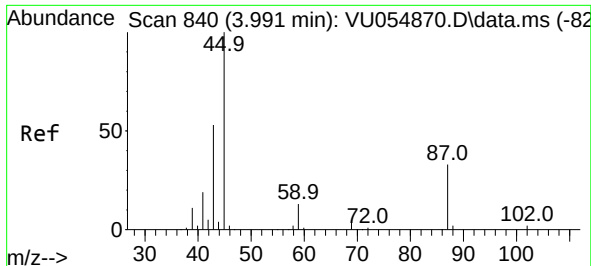
Tgt Ion: 59 Resp: 3810
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#



#25
Methyl tert-Butyl Ether
Concen: 8.456 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion: 73 Resp: 122700
Ion Ratio Lower Upper
73 100
43 16.9 14.6 22.0

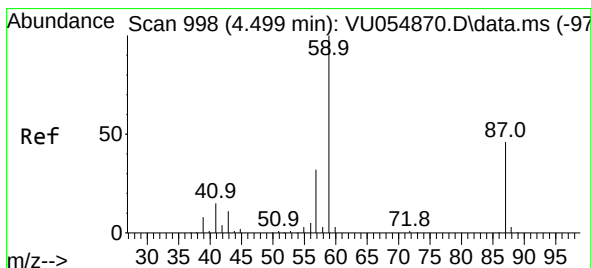
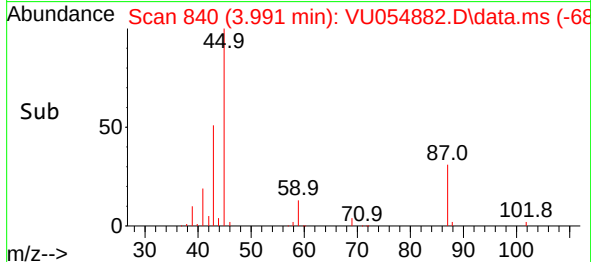
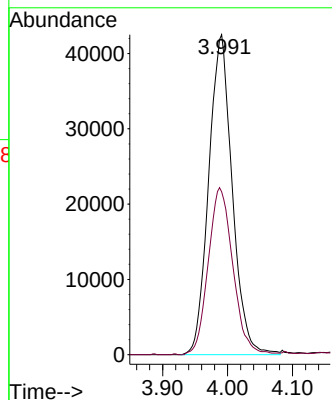
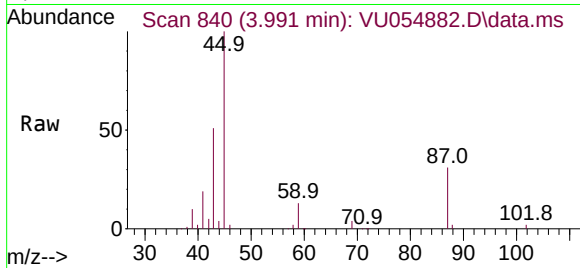




#31
Isopropyl Ether
Concen: 6.344 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

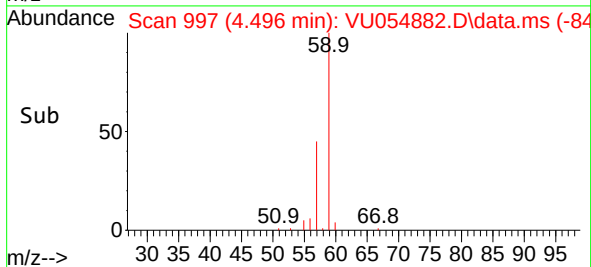
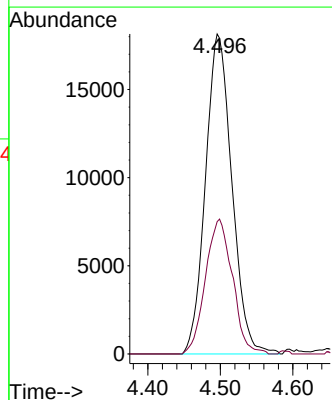
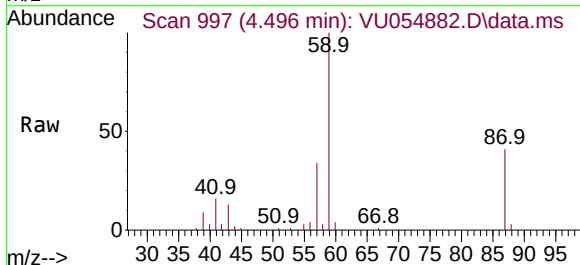
Instrument :
MSVOA_U
ClientSampleId :
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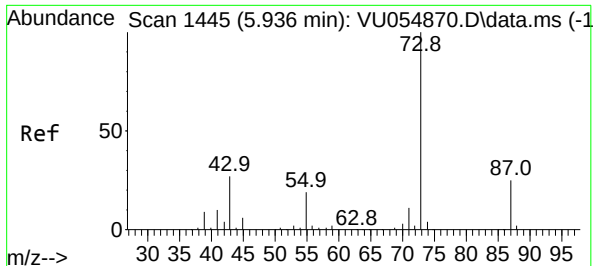
Tgt Ion: 45 Resp: 106909
Ion Ratio Lower Upper
45 100
43 54.6 26.4 79.2



#32
Ethyl-t-butyl ether
Concen: 2.648 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.003 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion: 59 Resp: 45942
Ion Ratio Lower Upper
59 100
87 43.1 35.7 53.5

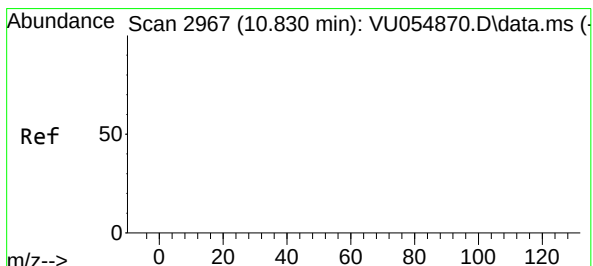
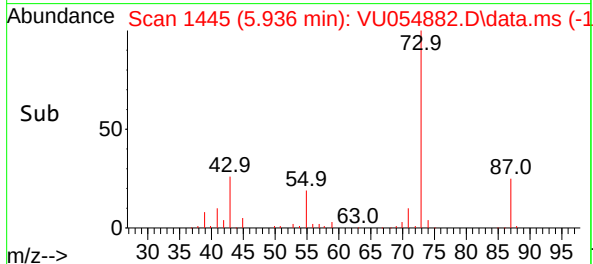
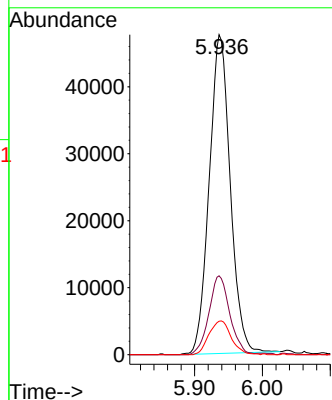
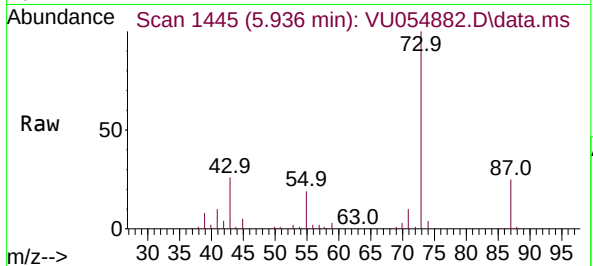




#33
Tert-Amyl methyl ether
Concen: 6.245 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

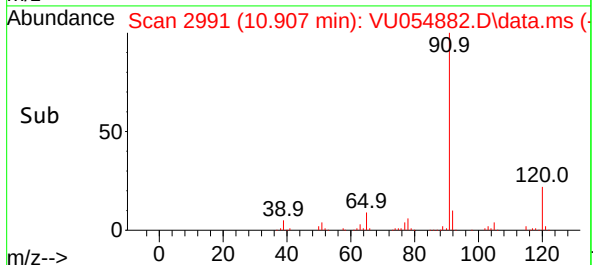
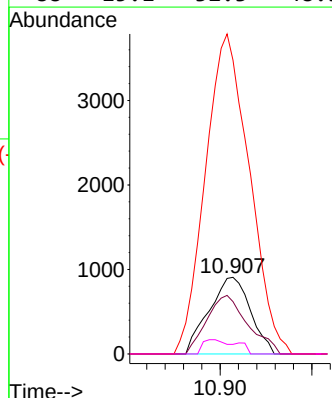
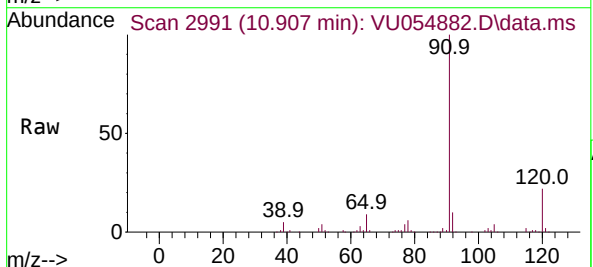
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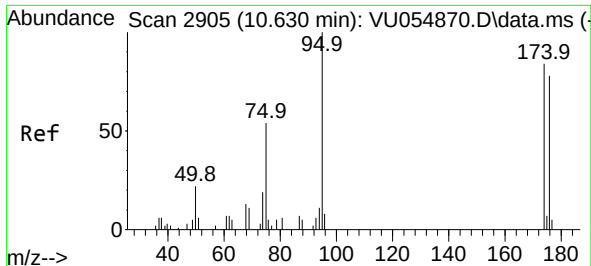
Tgt Ion: 73 Resp: 102451
Ion Ratio Lower Upper
73 100
87 24.0 19.6 29.4
71 11.2 9.1 13.7



#46
t-1,4-Dichloro-2-butene
Concen: 0.931 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.077 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion: 75 Resp: 1419
Ion Ratio Lower Upper
75 100
53 75.7 62.9 94.3
89 444.0 47.8 71.8#
88 15.1 32.3 48.5#





#57

4-Bromofluorobenzene

Concen: 0.966 ug/l

RT: 10.634 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU054882.D

Acq: 26 Jul 2023 17:43

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

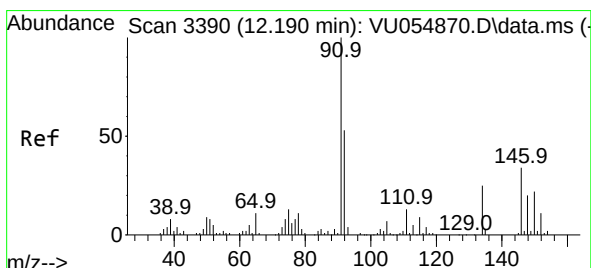
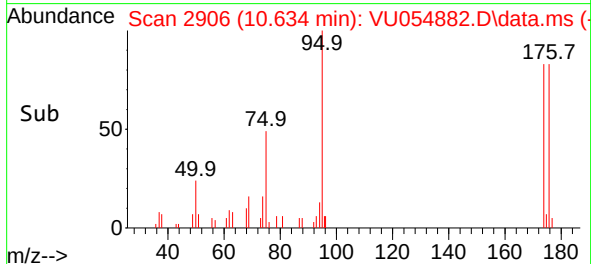
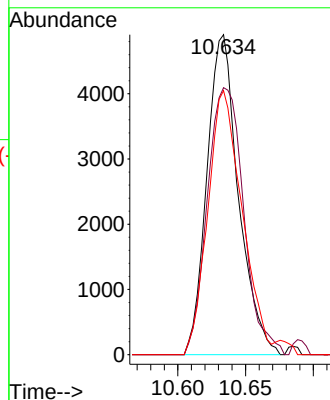
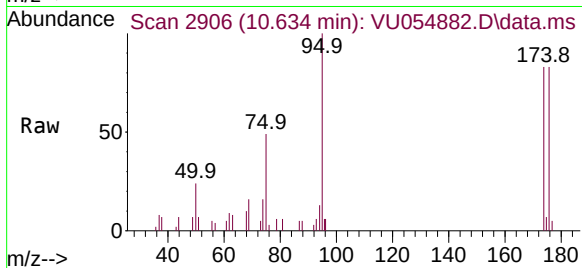
Tgt Ion: 95 Resp: 7953

Ion Ratio Lower Upper

95 100

174 95.8 79.3 118.9

176 89.4 71.5 107.3



#68

1,2-Dichlorobenzene-d4

Concen: 0.912 ug/l

RT: 12.193 min Scan# 3391

Delta R.T. 0.003 min

Lab File: VU054882.D

Acq: 26 Jul 2023 17:43

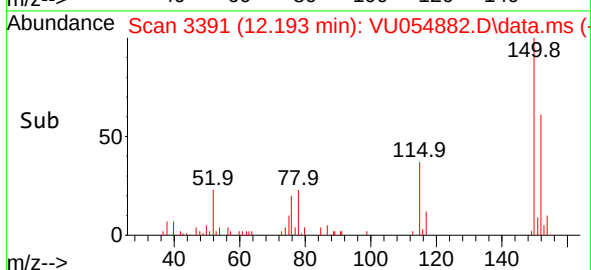
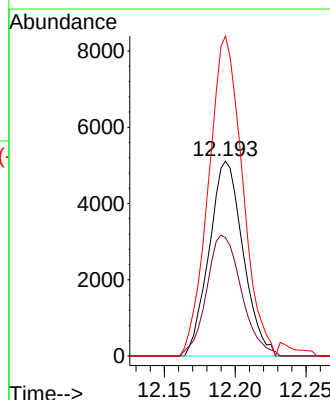
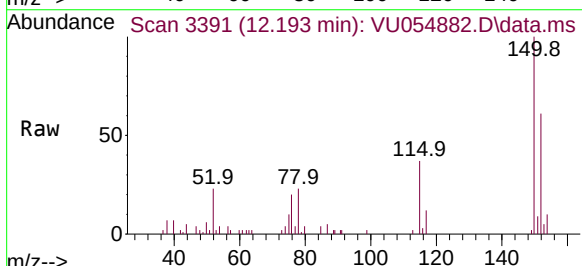
Tgt Ion:152 Resp: 8488

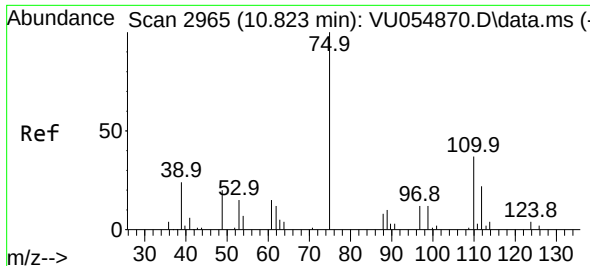
Ion Ratio Lower Upper

152 100

115 63.8 0.0 234.8

150 164.7 0.0 598.2

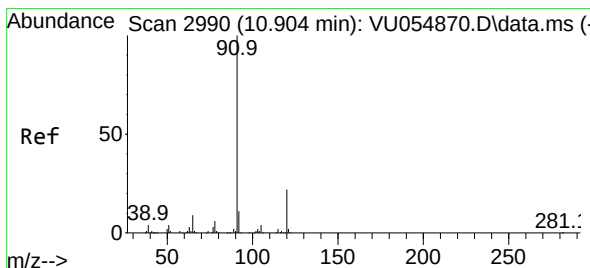
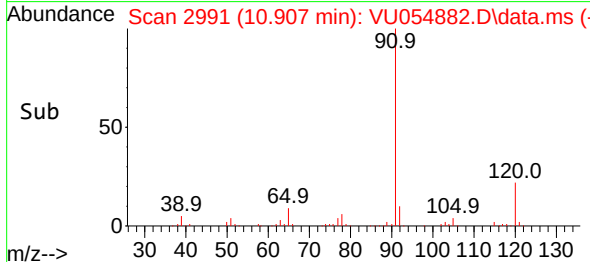
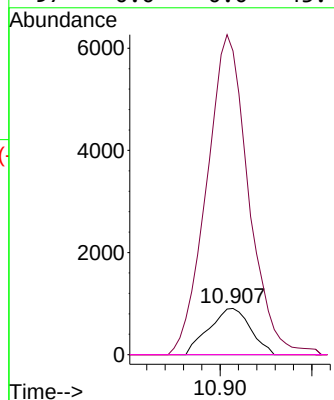
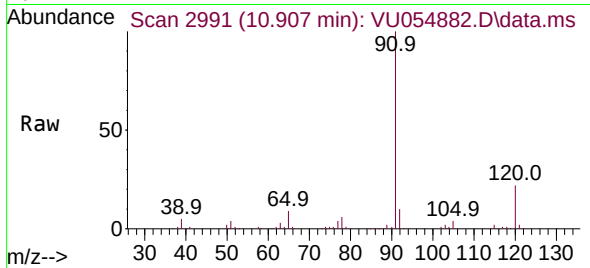




#71
1,2,3-Trichloropropane
Concen: 0.313 ug/l
RT: 10.907 min Scan# 2965
Delta R.T. 0.084 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

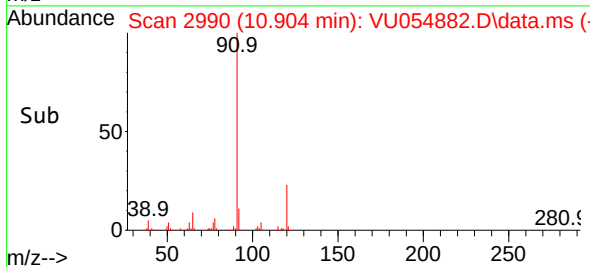
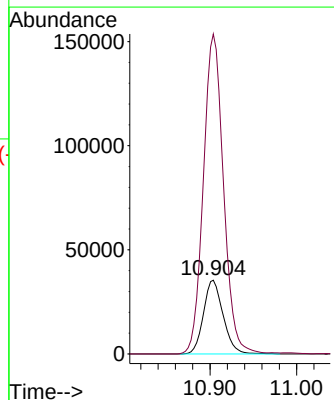
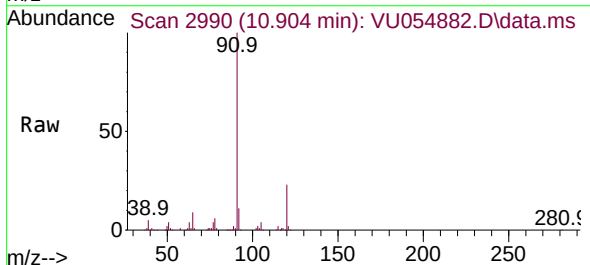
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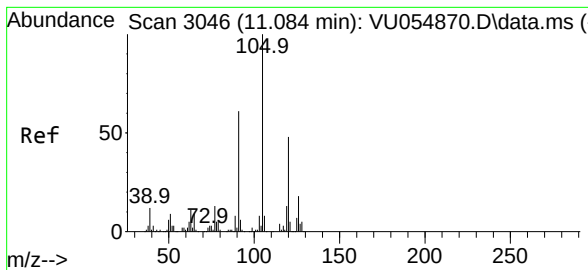
Tgt Ion: 75 Resp: 1419
Ion Ratio Lower Upper
75 100
77 700.9 0.0 0.0#
110 0.0 0.0 80.8
97 0.0 0.0 43.4



#73
n-propylbenzene
Concen: 6.370 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. 0.000 min
Lab File: VU054882.D
Acq: 26 Jul 2023 17:43

Tgt Ion: 120 Resp: 55804
Ion Ratio Lower Upper
120 100
91 443.6 361.8 542.6





#75
 1,3,5-Trimethylbenzene
 Concen: 0.326 ug/l
 RT: 10.904 min Scan# 2990
 Delta R.T. -0.180 min
 Lab File: VU054882.D
 Acq: 26 Jul 2023 17:43

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion:105 Resp: 8653
 Ion Ratio Lower Upper
 105 100
 120 644.9 39.0 58.4#

