

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
 Data File : VU057822.D
 Acq On : 06 Feb 2024 15:40
 Operator : MD/SY
 Sample : P1174-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

Quant Time: Feb 07 03:01:20 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)

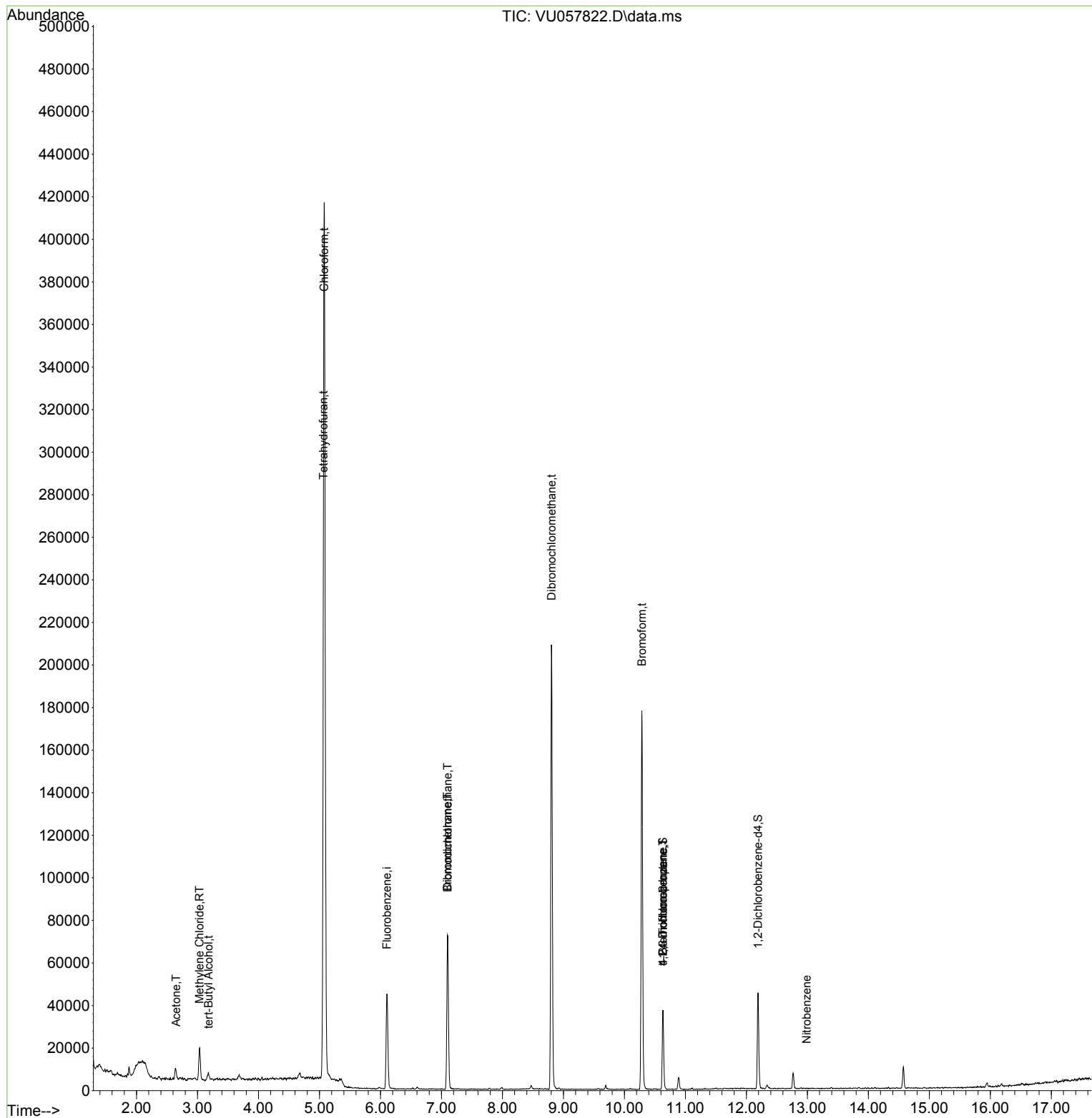
Internal Standards						
1) Fluorobenzene	6.107	96	41066	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13303	0.882	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11878	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
13) Acetone	2.650	43	1719	0.421	ug/l	# 82
15) Methylene Chloride	3.033	84	6193	0.488	ug/l	92
24) tert-Butyl Alcohol	3.181	59	1917	3.464	ug/l	# 1
27) Chloroform	5.078	83	357056	16.605	ug/l	98
41) Tetrahydrofuran	5.065	42	824	0.496	ug/l	# 35
43) Dibromomethane	7.100	93	1555	0.279	ug/l	# 5
44) Bromodichloromethane	7.103	83	46250	3.058	ug/l	98
46) t-1,4-Dichloro-2-butene	10.631	75	7365	4.414	ug/l	# 16
55) Dibromochloromethane	8.804	129	104723	11.444	ug/l	99
67) Bromoform	10.286	173	74617	16.205	ug/l	99
71) 1,2,3-Trichloropropane	10.631	75	7365	0.904	ug/l	# 33
80) Nitrobenzene	12.987	77	41	2.191	ug/l	# 40

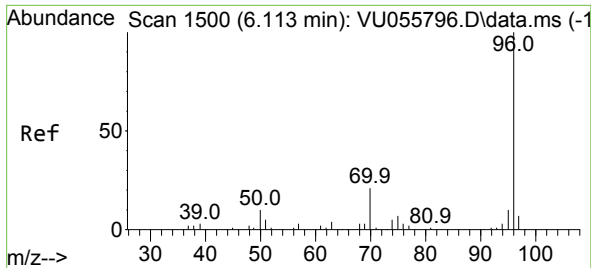
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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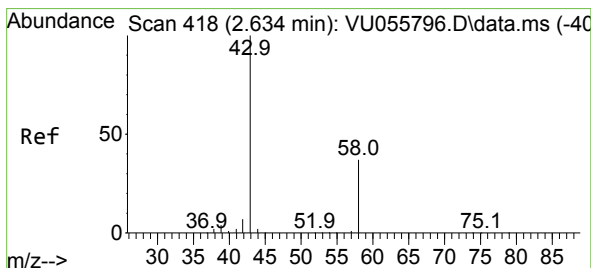
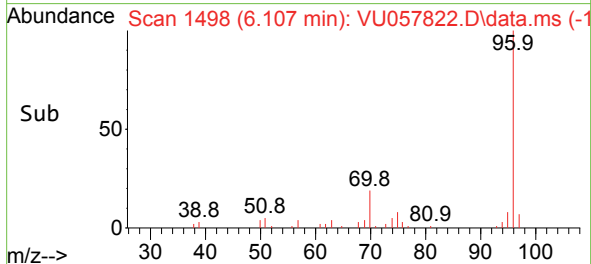
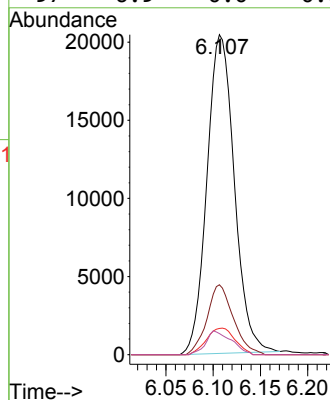
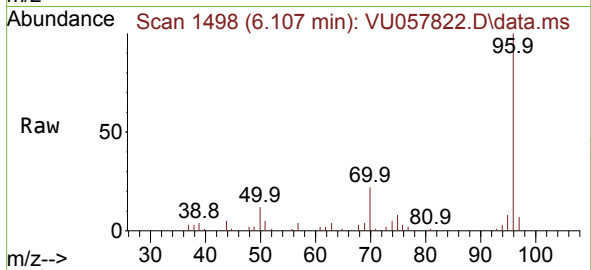




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.004 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

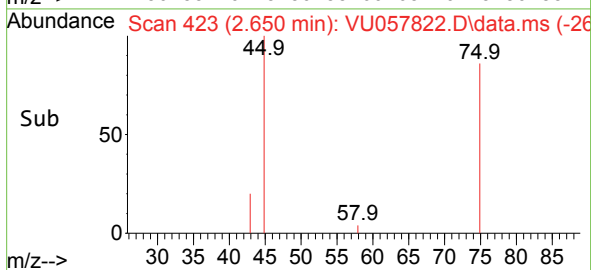
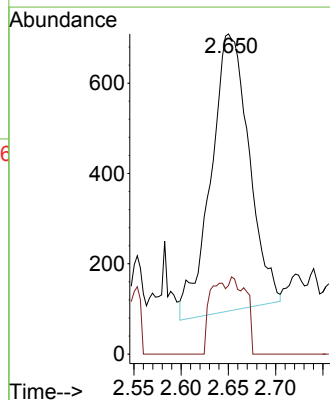
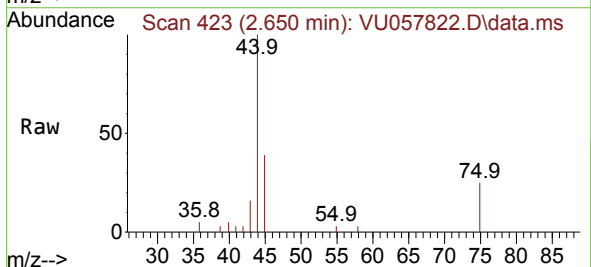
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

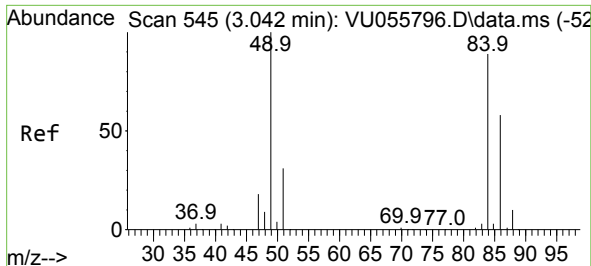
Tgt Ion: 96	Resp: 41066
Ion Ratio	Lower Upper
96 100	
70 21.1	16.5 24.7
95 8.7	7.4 11.0
97 6.9	0.0 0.0



#13
Acetone
Concen: 0.421 ug/l
RT: 2.650 min Scan# 423
Delta R.T. 0.019 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

Tgt Ion: 43	Resp: 1719
Ion Ratio	Lower Upper
43 100	
58 25.7	29.0 43.4

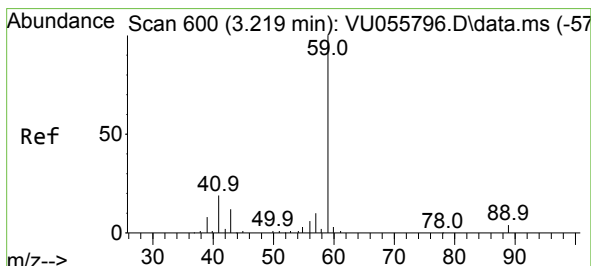
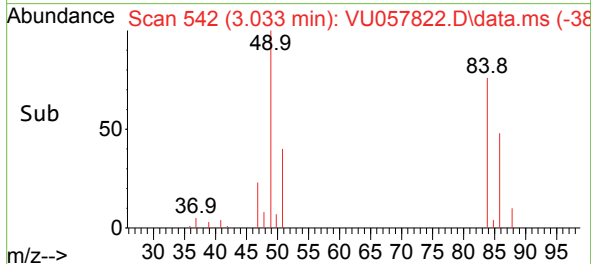
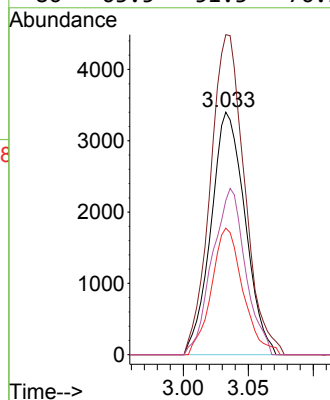
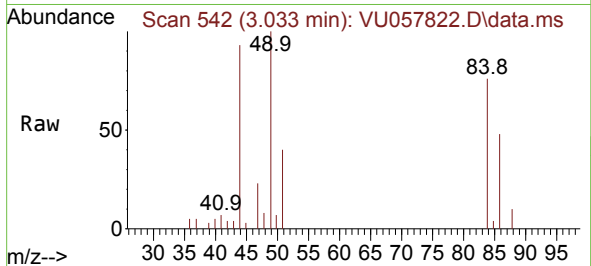




#15
Methylene Chloride
Concen: 0.488 ug/l
RT: 3.033 min Scan# 54
Delta R.T. 0.007 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

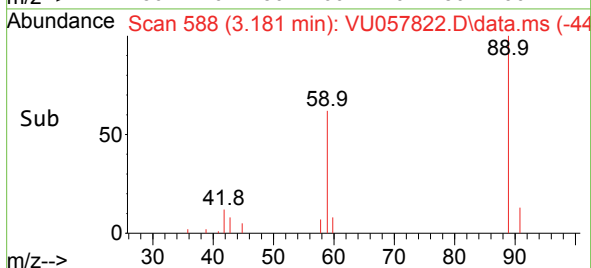
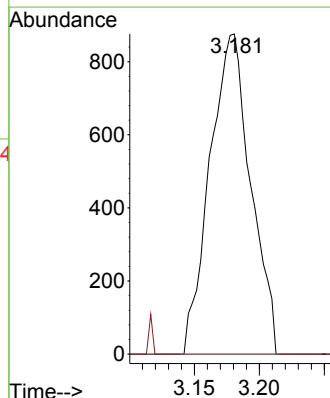
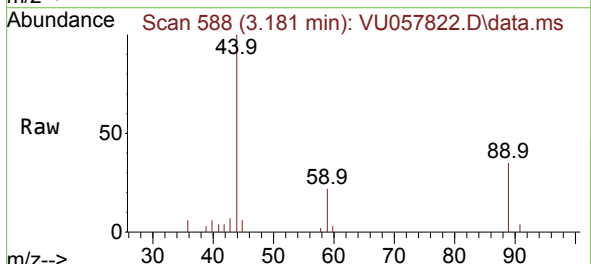
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

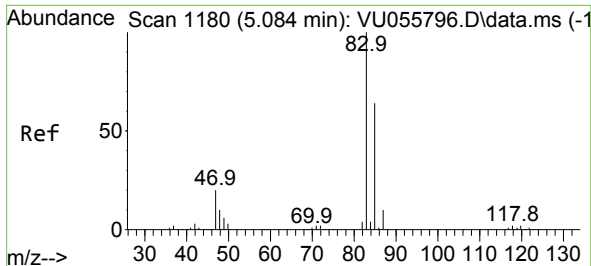
Tgt Ion: 84	Resp: 6193
Ion Ratio	Lower Upper
84 100	
49 131.9	98.9 148.3
51 52.1	0.0 75.4
86 63.5	51.3 76.9



#24
tert-Butyl Alcohol
Concen: 3.464 ug/l
RT: 3.181 min Scan# 588
Delta R.T. -0.051 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

Tgt Ion: 59	Resp: 1917
Ion Ratio	Lower Upper
59 100	
57 0.0	105.6 158.4#





#27

Chloroform

Concen: 16.605 ug/l

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

Instrument :

MSVOA_U

ClientSampleId :

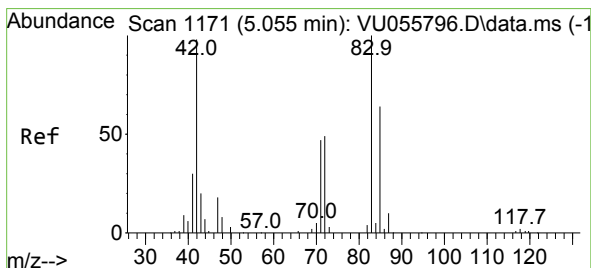
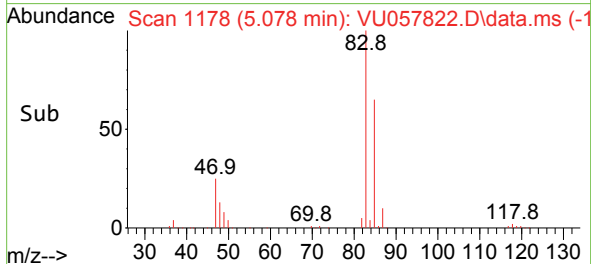
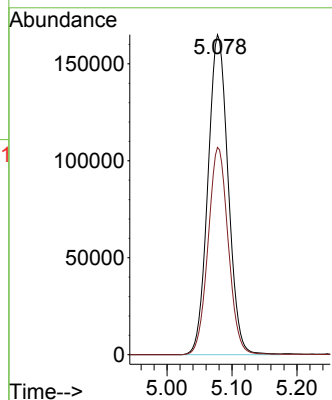
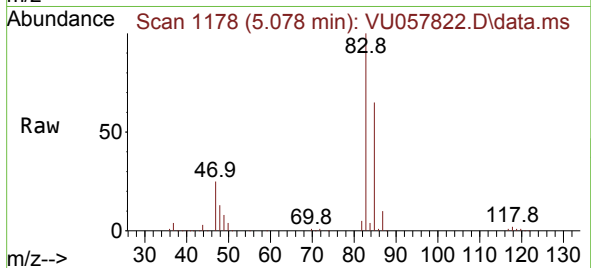
PT-THM-WSDL

Tgt Ion: 83 Resp: 357056

Ion Ratio Lower Upper

83 100

85 64.8 0.0 126.4



#41

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.003 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

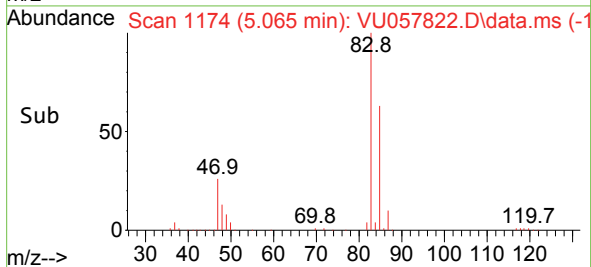
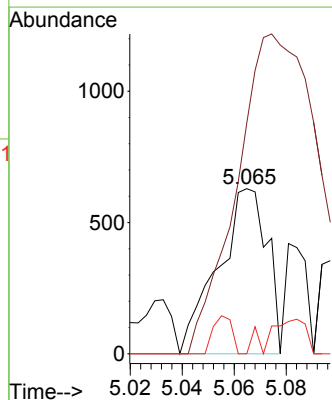
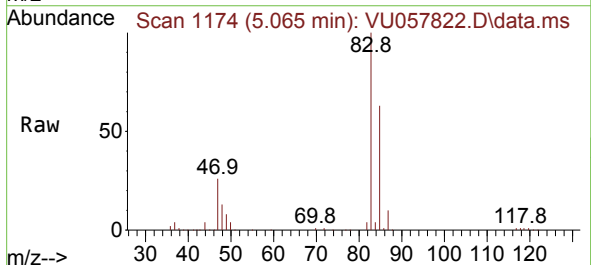
Tgt Ion: 42 Resp: 824

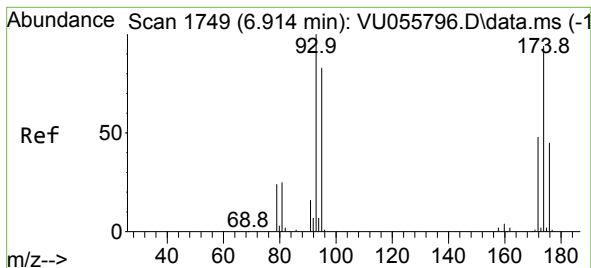
Ion Ratio Lower Upper

42 100

72 0.0 40.9 61.3#

71 8.9 36.9 55.3#





#43

Dibromomethane

Concen: 0.279 ug/l

RT: 7.100 min Scan# 1807

Delta R.T. 0.190 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

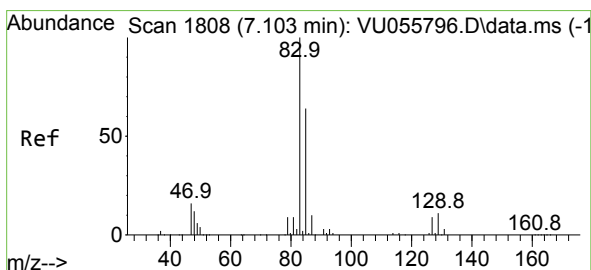
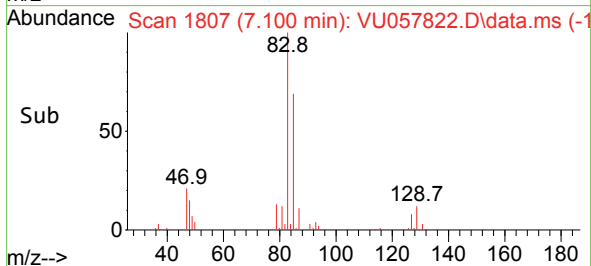
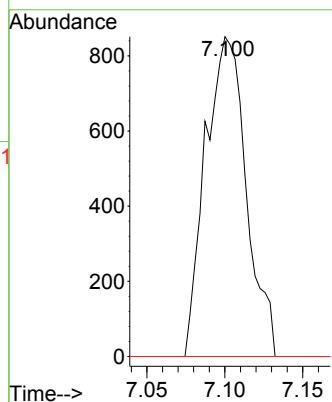
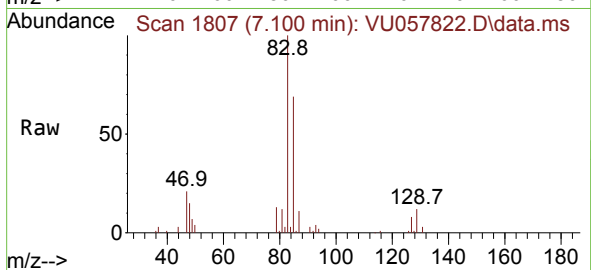
Tgt Ion: 93 Resp: 1555

Ion Ratio Lower Upper

93 100

95 0.0 67.0 100.6#

174 0.0 73.8 110.6#



#44

Bromodichloromethane

Concen: 3.058 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

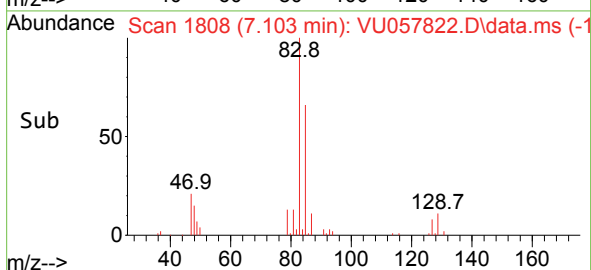
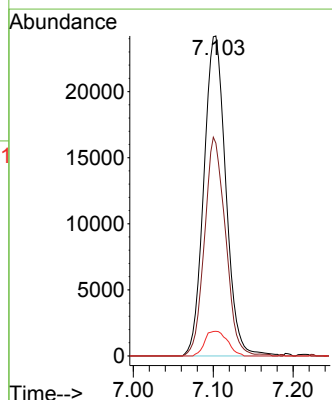
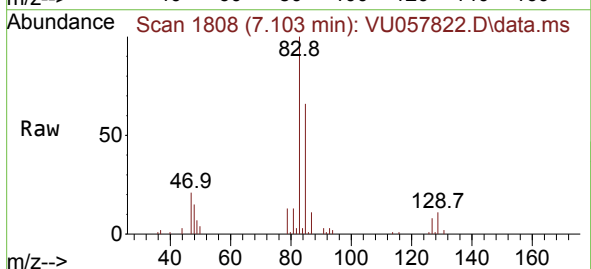
Tgt Ion: 83 Resp: 46250

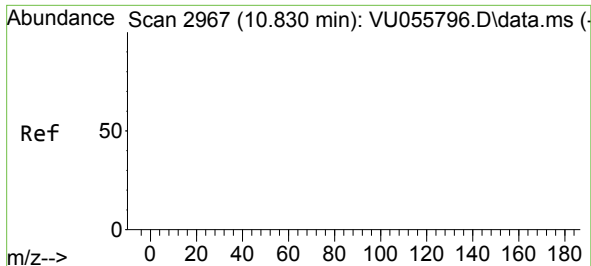
Ion Ratio Lower Upper

83 100

85 66.5 51.9 77.9

127 7.7 6.7 10.1

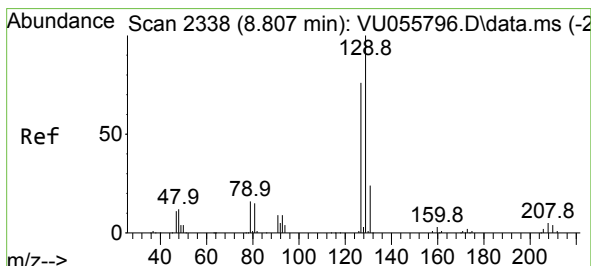
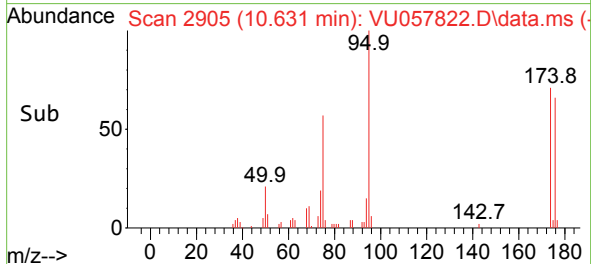
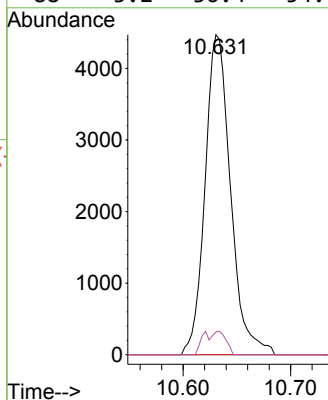
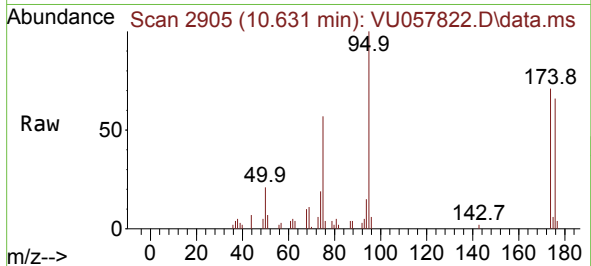




#46
t-1,4-Dichloro-2-butene
Concen: 4.414 ug/l
RT: 10.631 min Scan# 2967
Delta R.T. -0.206 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

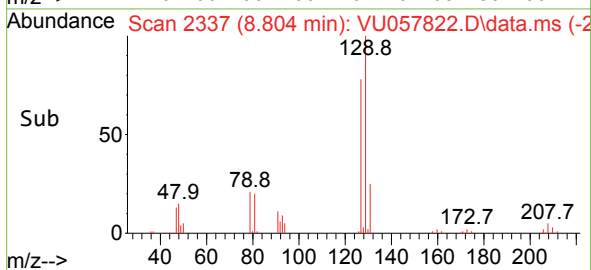
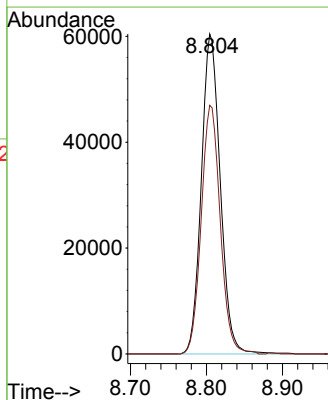
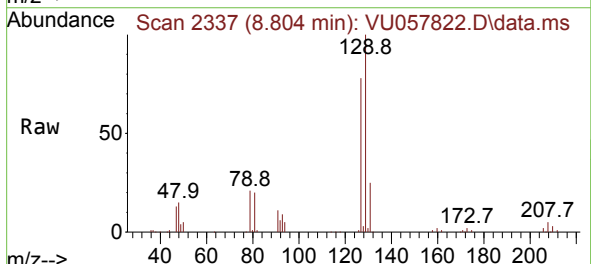
Instrument : MSVOA_U
ClientSampleId : PT-THM-WSDL

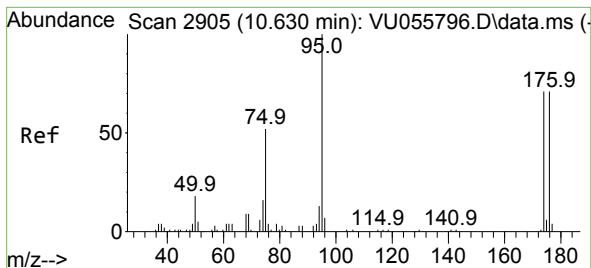
Tgt Ion:	75	Resp:	7365
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.3	109.9#
89	0.0	48.2	72.4#
88	3.2	36.4	54.6#



#55
Dibromochloromethane
Concen: 11.444 ug/l
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

Tgt Ion:	129	Resp:	104723
Ion	Ratio	Lower	Upper
129	100		
127	78.0	61.4	92.0

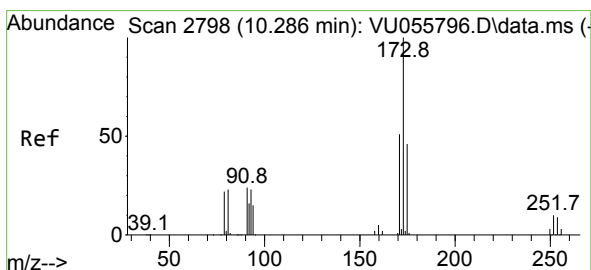
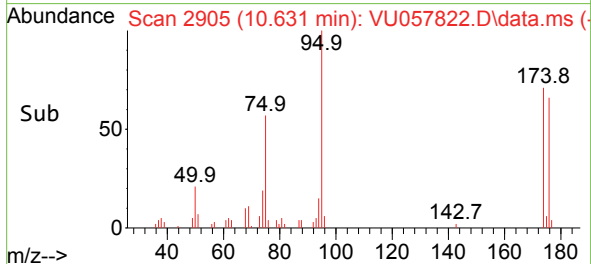
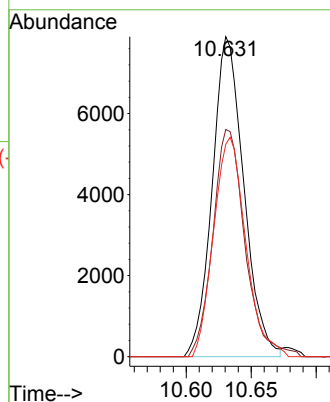
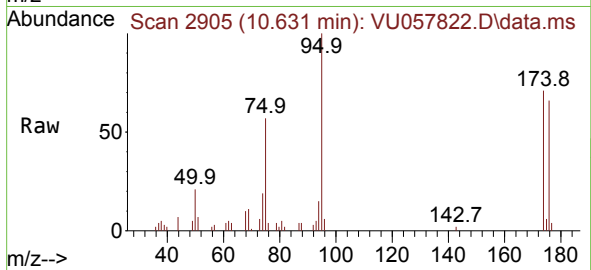




#57
4-Bromofluorobenzene
Concen: 0.882 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

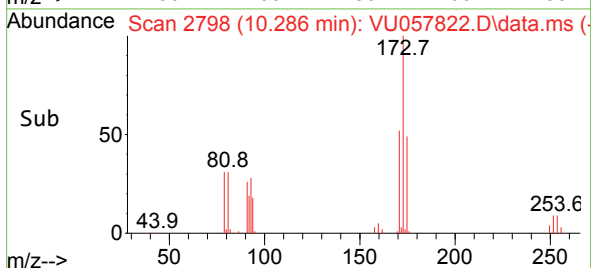
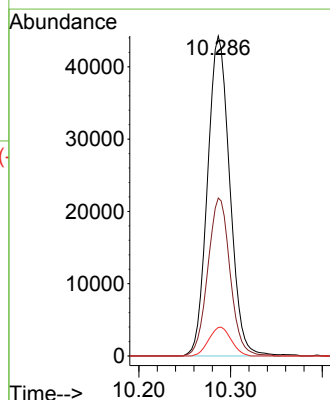
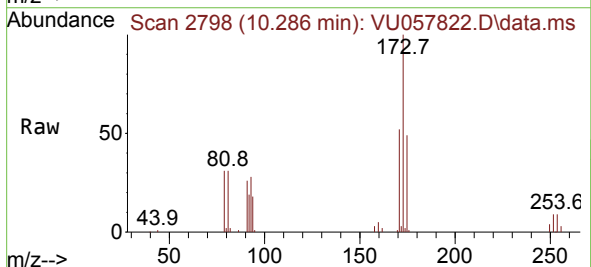
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

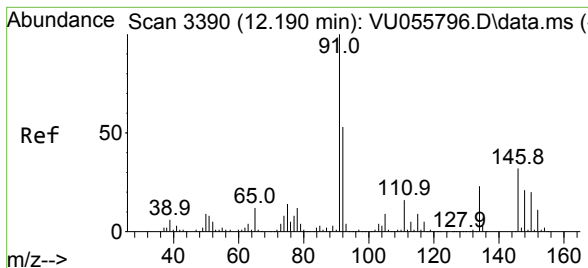
Tgt Ion: 95 Resp: 13303
Ion Ratio Lower Upper
95 100
174 72.4 63.3 94.9
176 70.0 59.3 88.9



#67
Bromoform
Concen: 16.205 ug/l
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU057822.D
Acq: 06 Feb 2024 15:40

Tgt Ion: 173 Resp: 74617
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
254 9.0 7.4 11.0





#68

1,2-Dichlorobenzene-d4

Concen: 0.891 ug/l

RT: 12.190 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

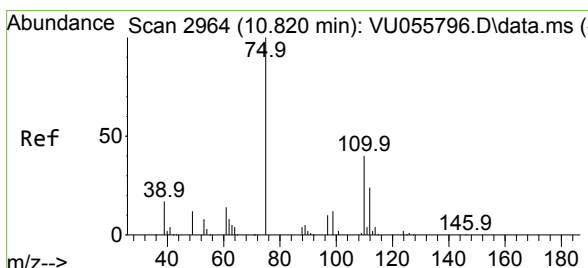
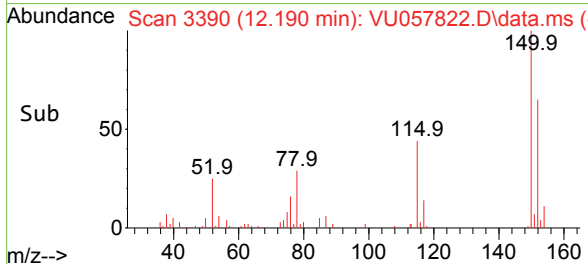
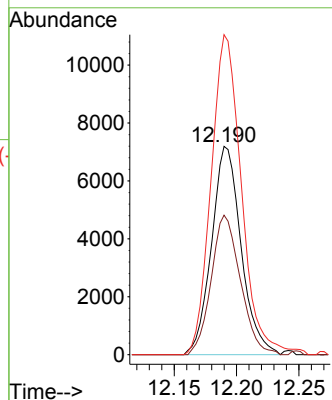
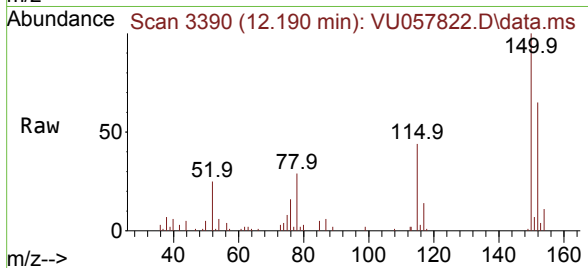
Tgt Ion:152 Resp: 11878

Ion Ratio Lower Upper

152 100

115 66.1 0.0 308.8

150 157.8 0.0 635.0



#71

1,2,3-Trichloropropane

Concen: 0.904 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.202 min

Lab File: VU057822.D

Acq: 06 Feb 2024 15:40

Tgt Ion: 75 Resp: 7365

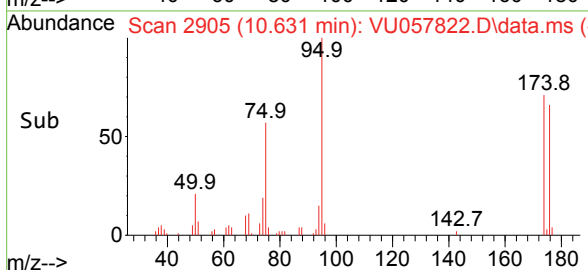
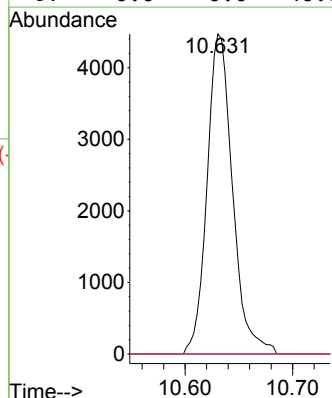
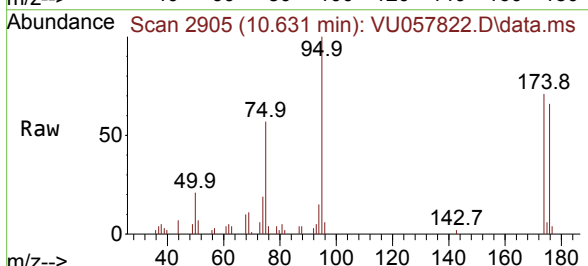
Ion Ratio Lower Upper

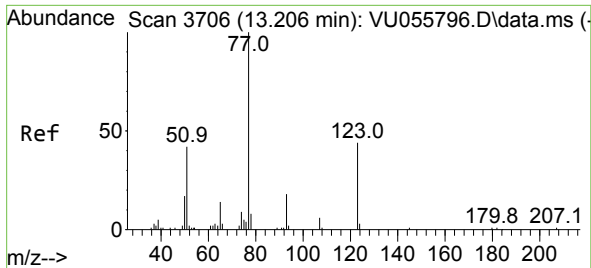
75 100

77 0.8 0.0 116.4

110 0.0 0.0 74.6

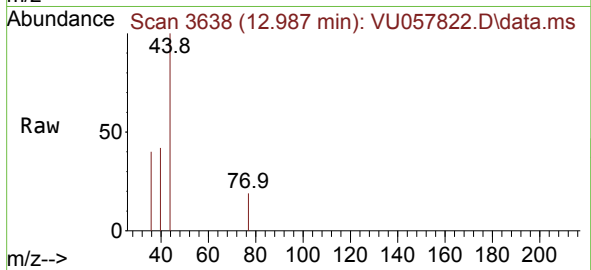
97 0.0 0.0 40.0





#80
 Nitrobenzene
 Concen: 2.191 ug/l
 RT: 12.987 min Scan# 30
 Delta R.T. -0.219 min
 Lab File: VU057822.D
 Acq: 06 Feb 2024 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL



Tgt Ion: 77 Resp: 41
 Ion Ratio Lower Upper
 77 100
 123 0.0 19.7 69.7#
 65 0.0 11.5 14.7#

