

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054886.D
 Acq On : 26 Jul 2023 19:21
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Jul 28 03:25:29 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)

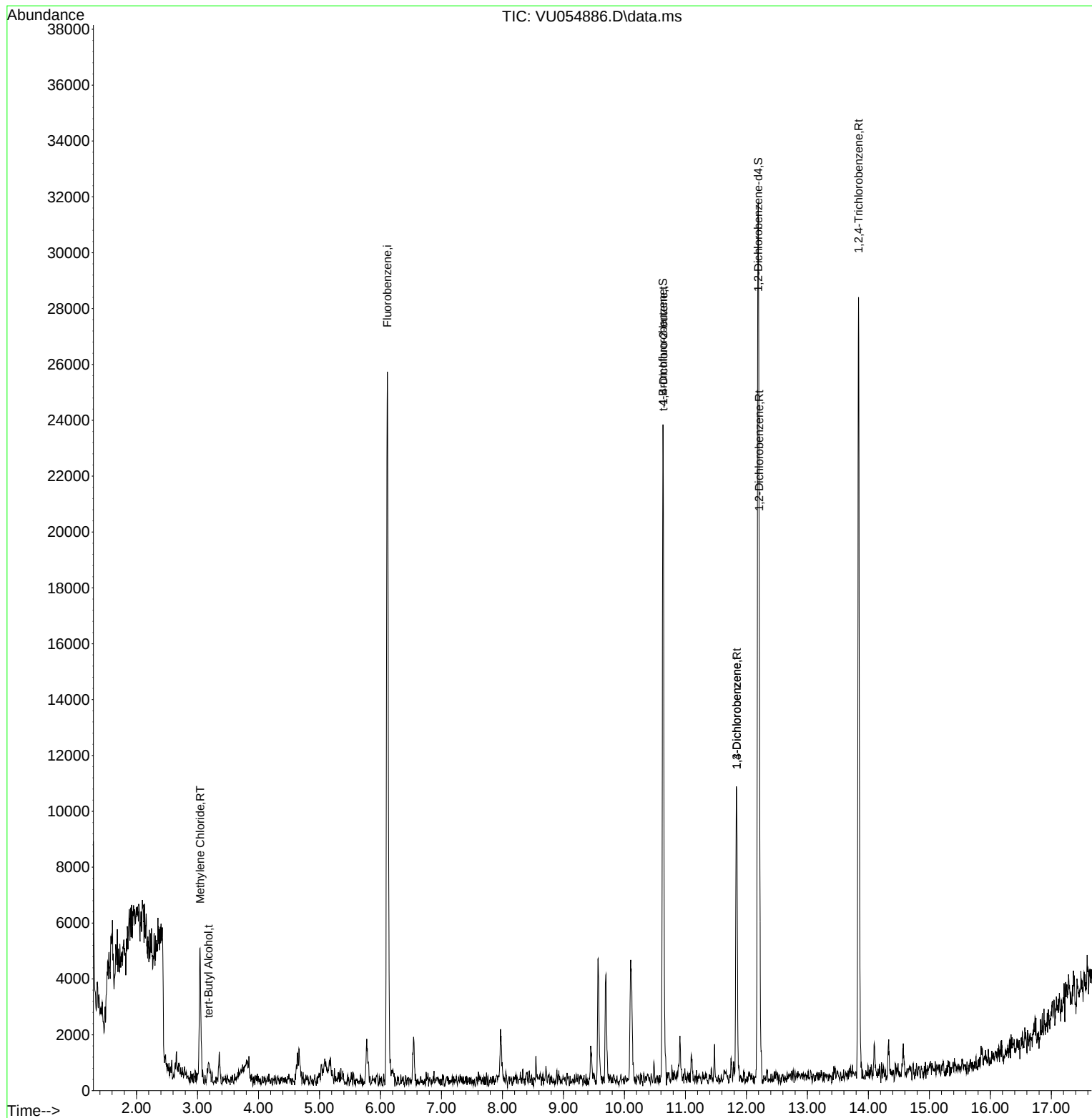
Internal Standards						
1) Fluorobenzene	6.113	96	24078	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7625	1.045	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8599	1.042	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
15) Methylene Chloride	3.042	84	2096	0.345	ug/l	94
24) tert-Butyl Alcohol	3.181	59	195	0.342	ug/l #	92
46) t-1,4-Dichloro-2-butene	10.637	75	4103	3.035	ug/l #	21
82) 1,3-Dichlorobenzene	11.843	146	4765	0.346	ug/l	93
83) 1,4-Dichlorobenzene	11.843	146	4765	0.347	ug/l	92
85) 1,2-Dichlorobenzene	12.209	146	3714	0.282	ug/l	94
87) 1,2,4-Trichlorobenzene	13.839	180	8781	1.044	ug/l	98

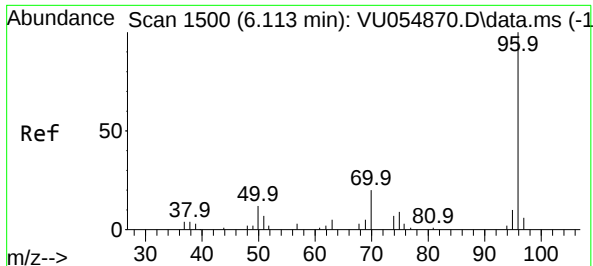
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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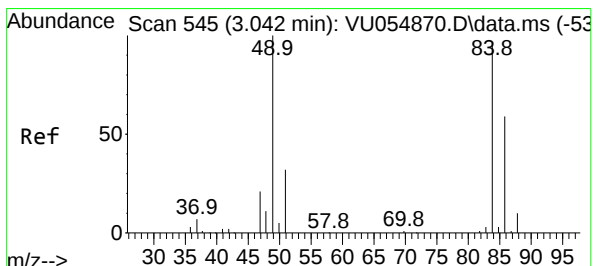
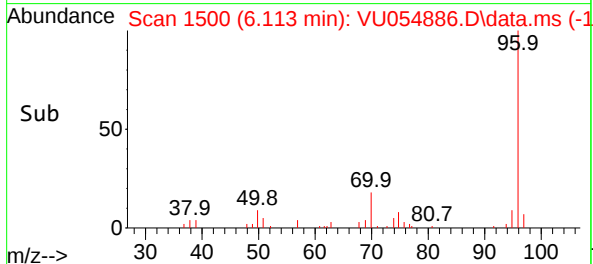
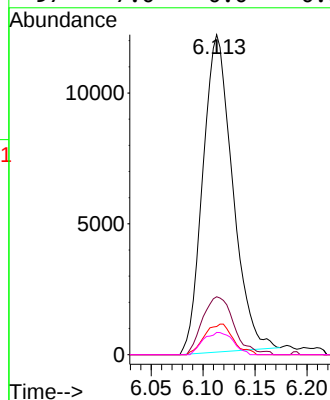
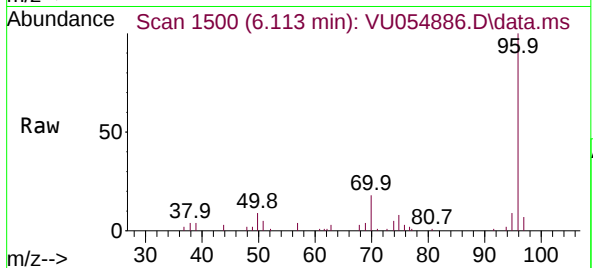




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

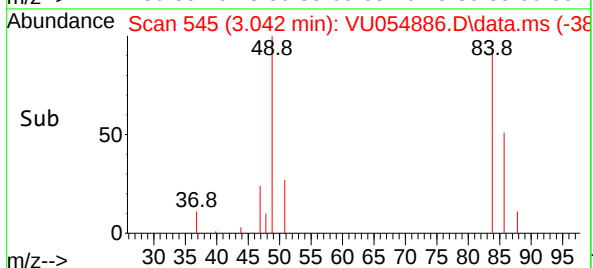
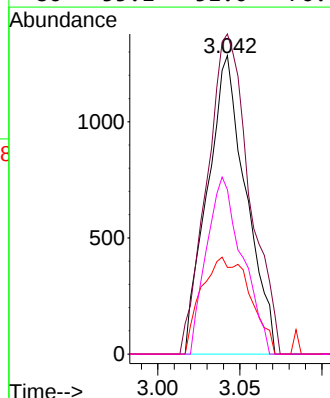
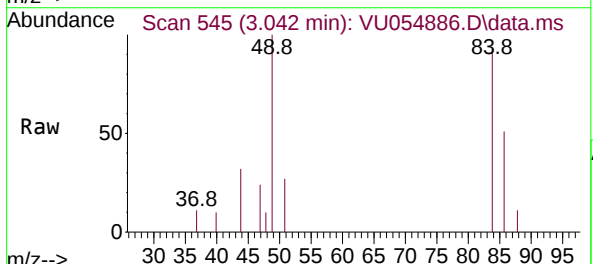
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

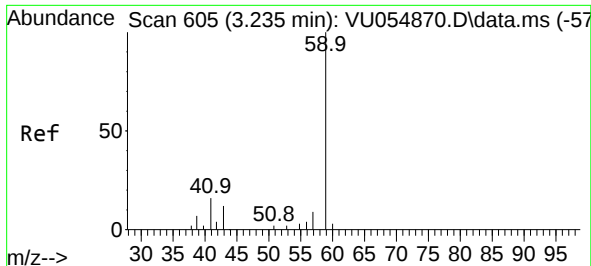
Tgt Ion:	96	Resp:	24078
Ion	Ratio	Lower	Upper
96	100		
70	18.0	14.0	21.0
95	9.4	8.7	13.1
97	7.0	0.0	0.0



#15
Methylene Chloride
Concen: 0.345 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

Tgt Ion:	84	Resp:	2096
Ion	Ratio	Lower	Upper
84	100		
49	107.2	87.8	131.6
51	29.0	0.0	68.2
86	55.1	51.0	76.4

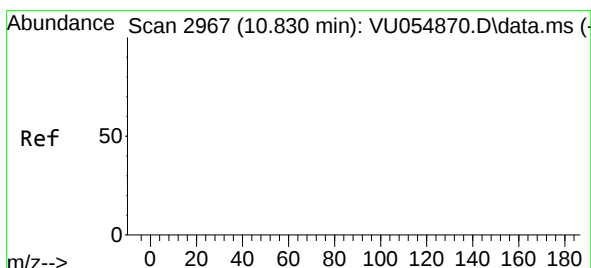
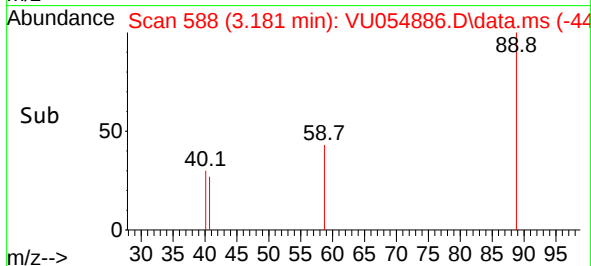
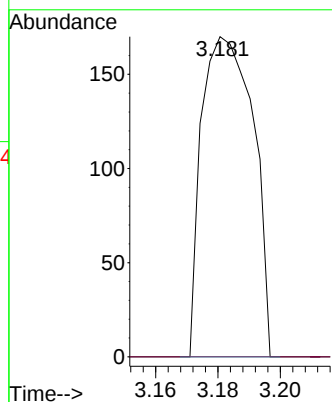
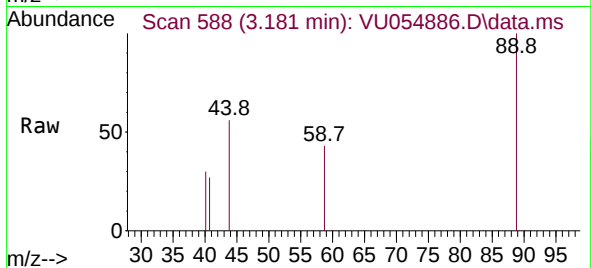




#24
tert-Butyl Alcohol
Concen: 0.342 ug/l
RT: 3.181 min Scan# 51
Delta R.T. -0.055 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

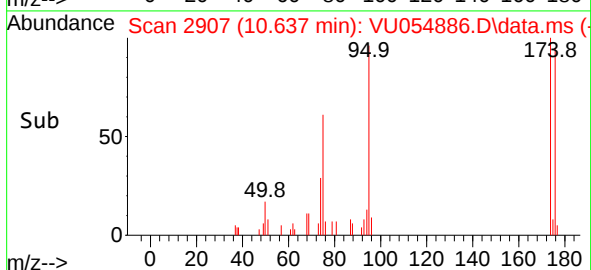
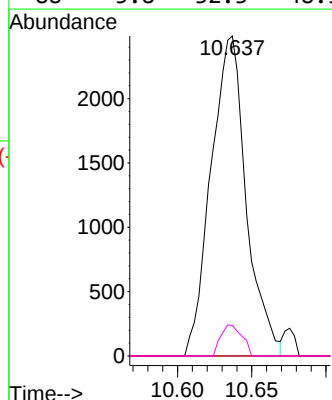
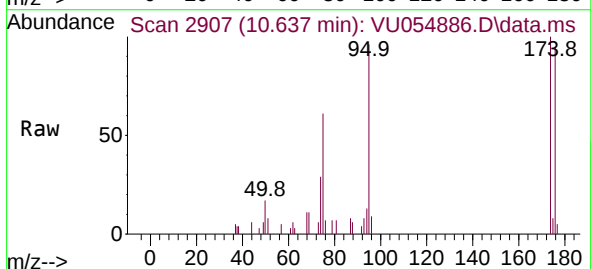
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

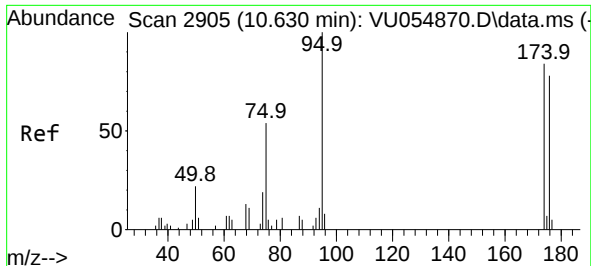
Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#



#46
t-1,4-Dichloro-2-butene
Concen: 3.035 ug/l
RT: 10.637 min Scan# 2907
Delta R.T. -0.193 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

Tgt Ion: 75 Resp: 4103
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 47.8 71.8#
88 5.8 32.3 48.5#

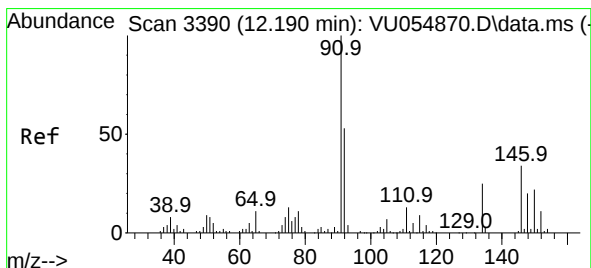
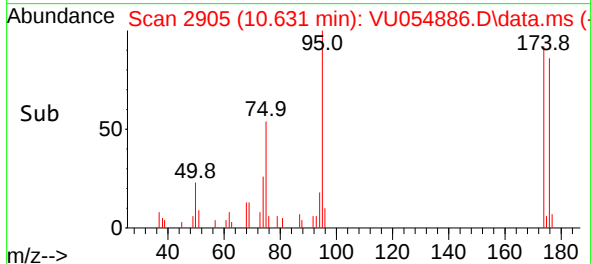
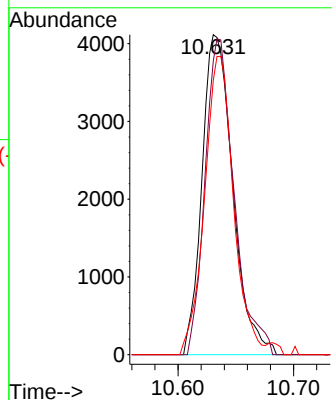
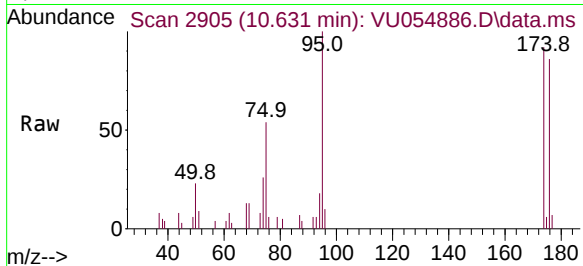




#57
4-Bromofluorobenzene
Concen: 1.045 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

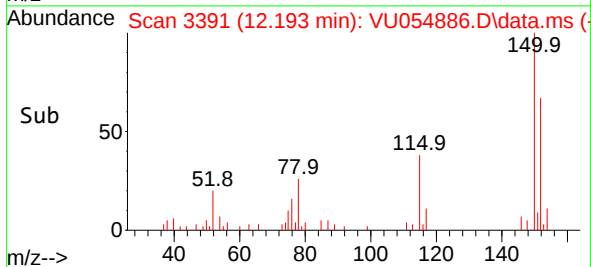
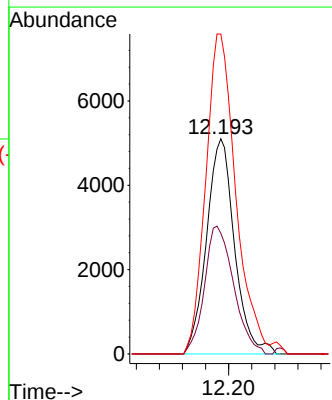
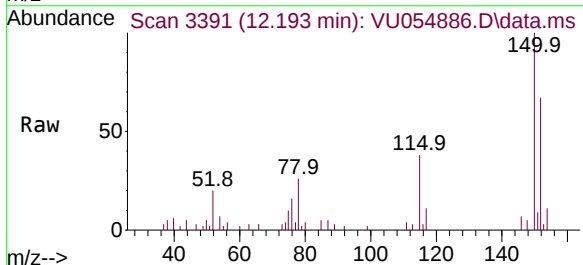
Instrument :
MSVOA_U
ClientSampleId :
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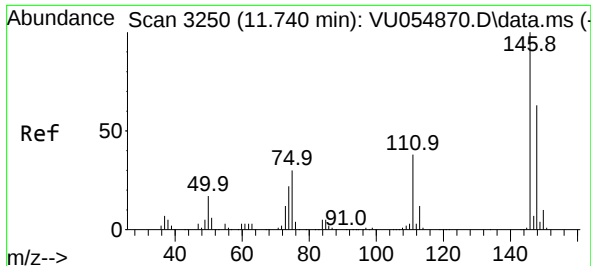
Tgt Ion: 95 Resp: 7625
Ion Ratio Lower Upper
95 100
174 93.0 79.3 118.9
176 87.8 71.5 107.3



#68
1,2-Dichlorobenzene-d4
Concen: 1.042 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

Tgt Ion:152 Resp: 8599
Ion Ratio Lower Upper
152 100
115 61.7 0.0 234.8
150 158.9 0.0 598.2





#82

1,3-Dichlorobenzene

Concen: 0.346 ug/l

RT: 11.843 min Scan# 31

Delta R.T. 0.103 min

Lab File: VU054886.D

Acq: 26 Jul 2023 19:21

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

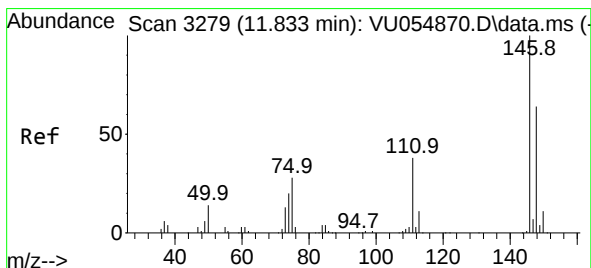
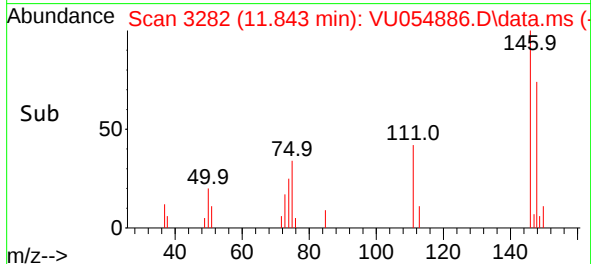
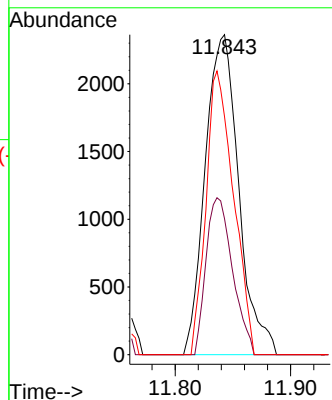
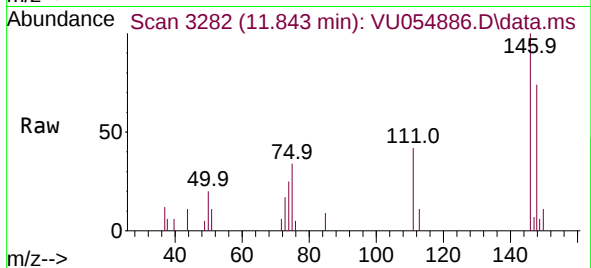
Tgt Ion:146 Resp: 4765

Ion Ratio Lower Upper

146 100

111 38.7 30.5 45.7

148 72.6 51.0 76.6



#83

1,4-Dichlorobenzene

Concen: 0.347 ug/l

RT: 11.843 min Scan# 3282

Delta R.T. 0.010 min

Lab File: VU054886.D

Acq: 26 Jul 2023 19:21

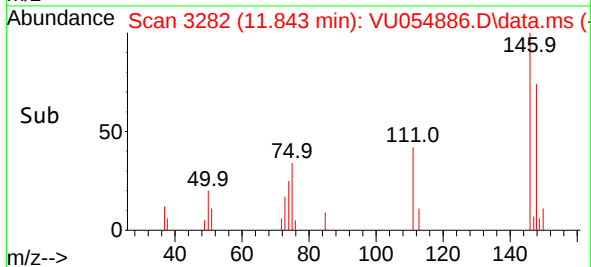
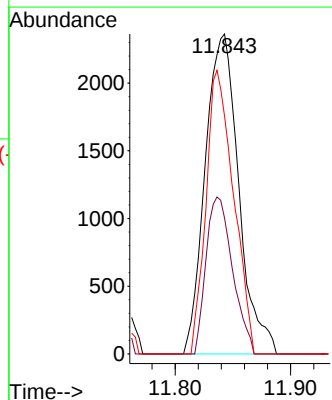
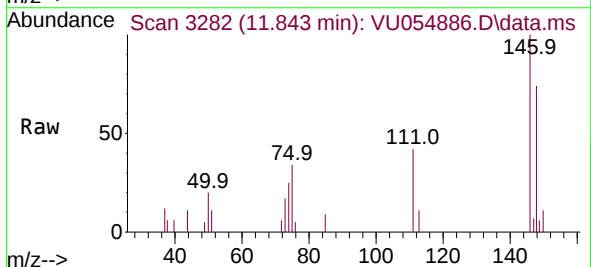
Tgt Ion:146 Resp: 4765

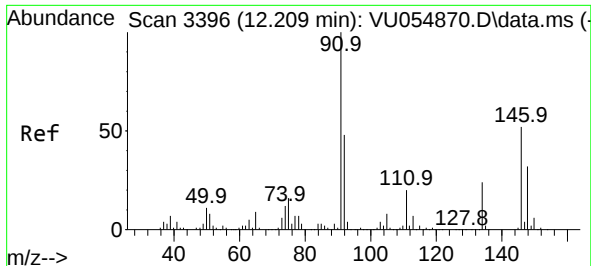
Ion Ratio Lower Upper

146 100

111 38.7 29.5 44.3

148 72.6 51.2 76.8

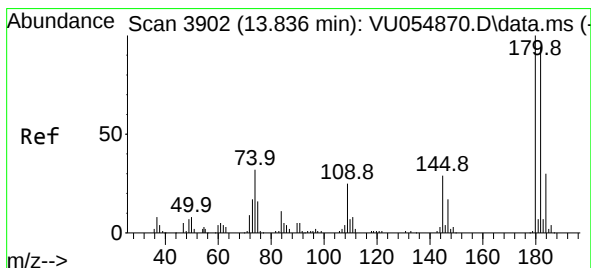
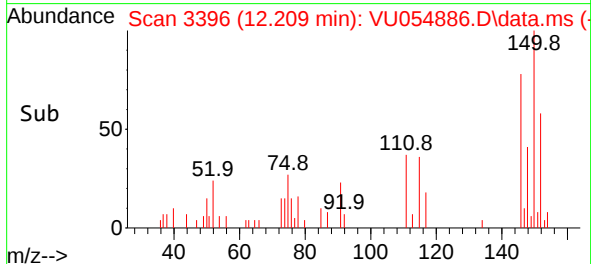
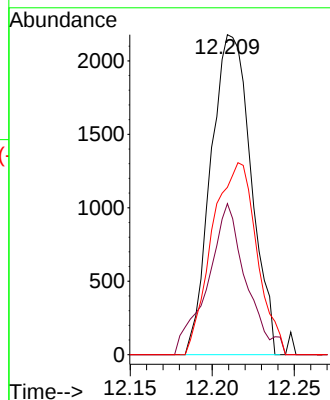
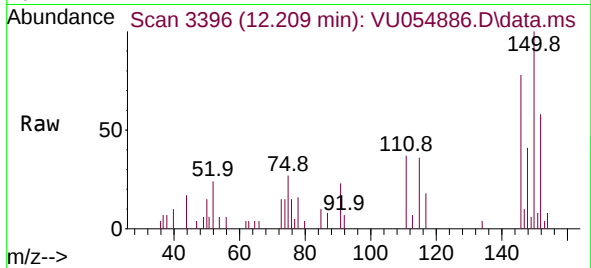




#85
1,2-Dichlorobenzene
Concen: 0.282 ug/l
RT: 12.209 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 3714
Ion Ratio Lower Upper
146 100
111 45.1 19.8 59.4
148 66.6 31.8 95.3



#87
1,2,4-Trichlorobenzene
Concen: 1.044 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.003 min
Lab File: VU054886.D
Acq: 26 Jul 2023 19:21

Tgt Ion:180 Resp: 8781
Ion Ratio Lower Upper
180 100
182 95.2 77.0 115.6
145 27.0 23.4 35.0

