

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043591.D
 Acq On : 06 May 2021 18:17
 Operator : SY/MD
 Sample : M2267-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CITY-WATER

Quant Time: May 07 02:06:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

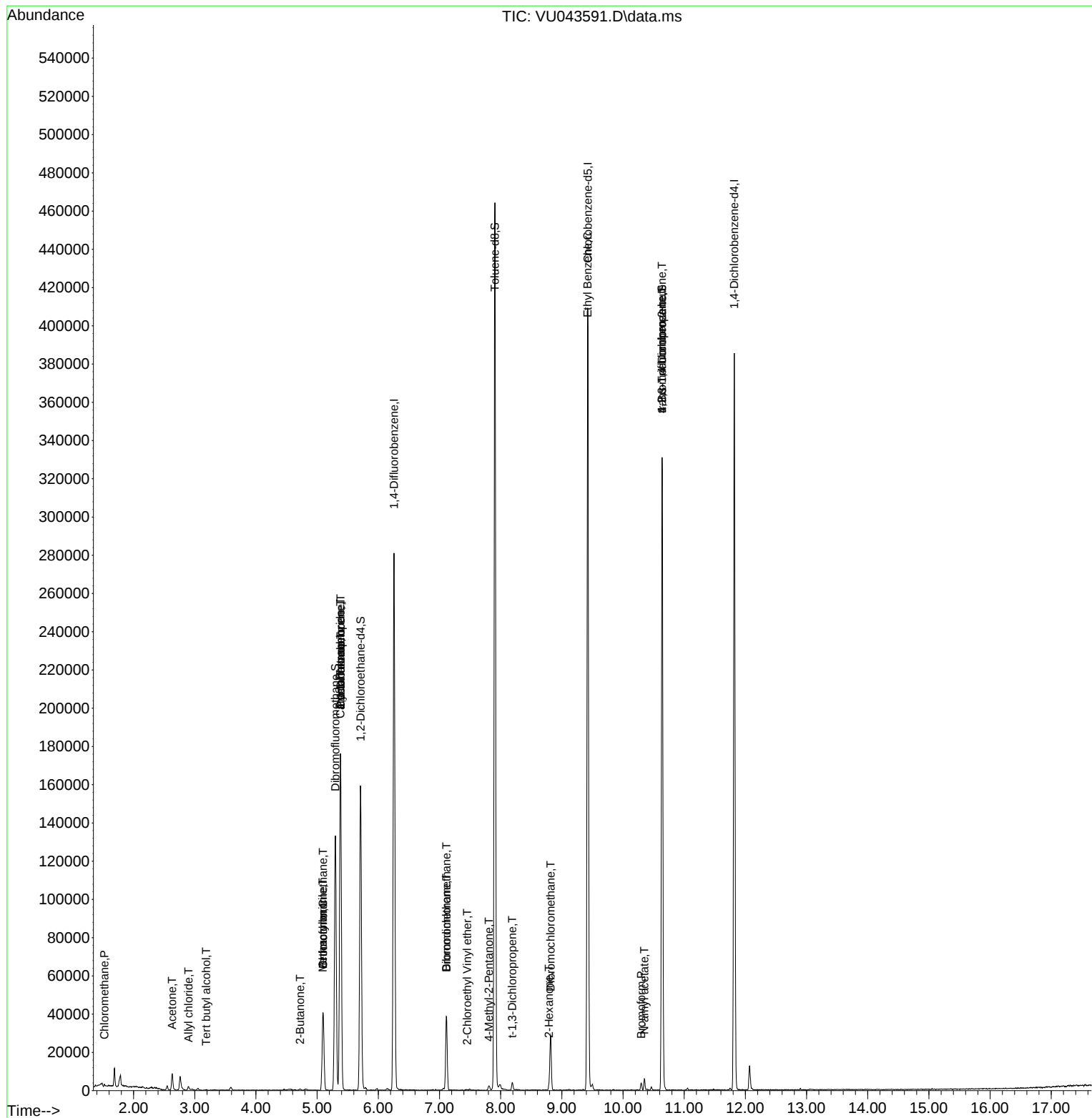
Internal Standards						
1) Pentafluorobenzene	5.382	168	111773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	200509	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	199429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	88950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120212	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
35) Dibromofluoromethane	5.298	113	82412	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
50) Toluene-d8	7.906	98	280622	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	10.639	95	99554	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	825	0.72	ug/l	94
11) Tert butyl alcohol	3.189	59	178	0.29	ug/l #	73
14) Allyl chloride	2.896	41	1804	0.56	ug/l #	43
16) Acetone	2.629	43	9450	7.52	ug/l	99
25) 2-Butanone	4.723	43	1003	0.52	ug/l #	90
28) Bromochloromethane	5.096	49	3179	1.97	ug/l #	22
30) Chloroform	5.096	83	33383	10.74	ug/l	99
31) Cyclohexane	5.382	56	3319	1.23	ug/l #	23
36) 1,1-Dichloropropene	5.382	75	10472	4.60	ug/l #	50
38) Carbon Tetrachloride	5.379	117	12216	5.29	ug/l #	18
41) Methacrylonitrile	5.092	41	67	1.91	ug/l #	27
46) Dibromomethane	7.115	93	726	0.57	ug/l #	6
47) Bromodichloromethane	7.112	83	24176	9.42	ug/l	99
51) 4-Methyl-2-Pentanone	7.806	43	2685	19.72	ug/l #	41
53) t-1,3-Dichloropropene	8.189	75	19	2.25	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.452	63	304	22.81	ug/l #	52
59) 2-Hexanone	8.790	43	647	20.87	ug/l #	30
60) Dibromochloromethane	8.816	129	13842	7.57	ug/l	99
67) Ethyl Benzene	9.420	91	379	1.49	ug/l #	45
71) Bromoform	10.298	173	1743	4.35	ug/l #	83
74) N-amyl acetate	10.349	43	972	2.71	ug/l #	9
76) 1,2,3-Trichloropropane	10.639	75	56745	20.06	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	56745	65.34	ug/l #	3

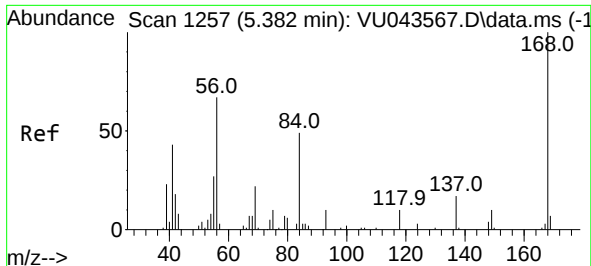
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CITY-WATER

Quant Time: May 07 02:06:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

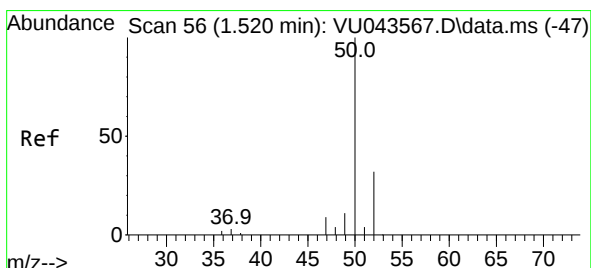
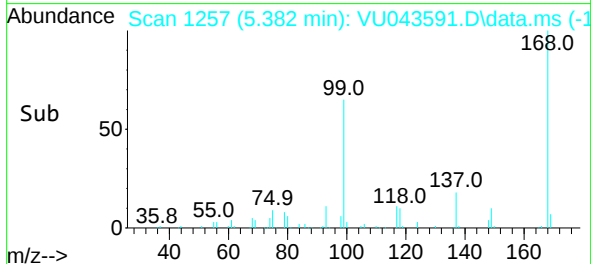
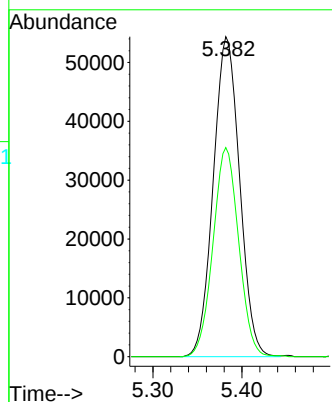
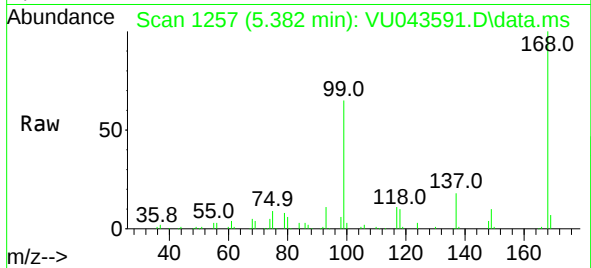




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

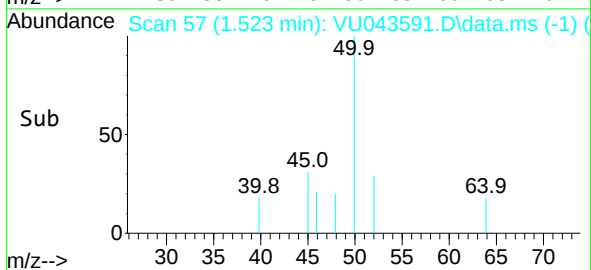
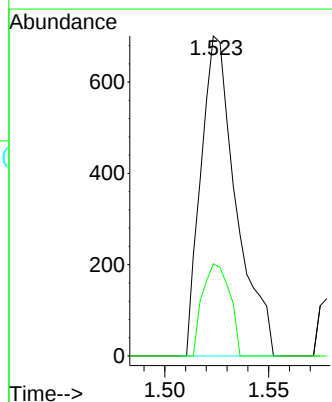
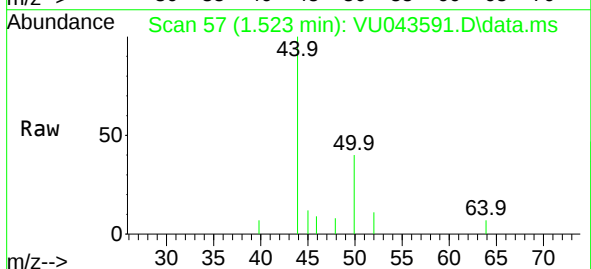
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

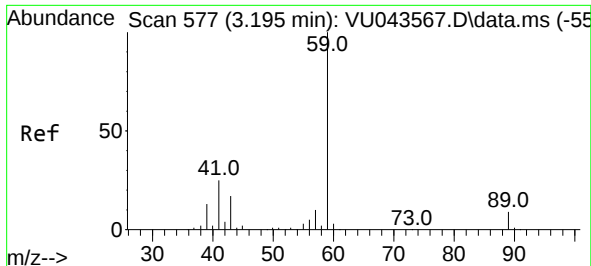
Tgt Ion:168 Resp: 111773
Ion Ratio Lower Upper
168 100
99 65.4 49.0 73.6



#3
Chloromethane
Concen: 0.72 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 50 Resp: 825
Ion Ratio Lower Upper
50 100
52 28.8 25.9 38.9

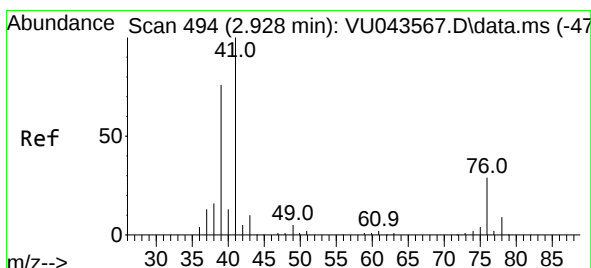
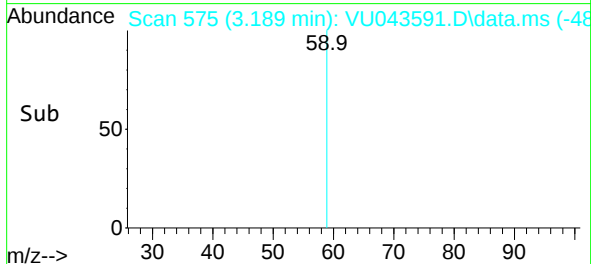
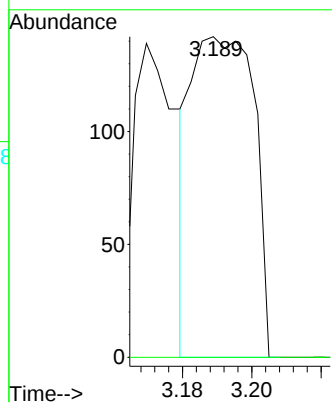
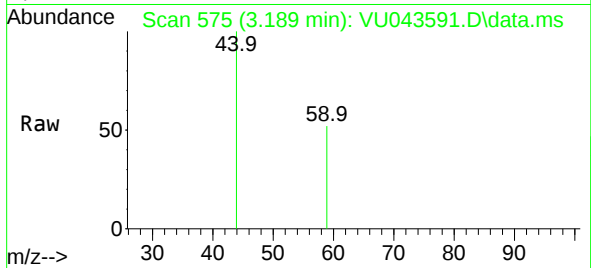




#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

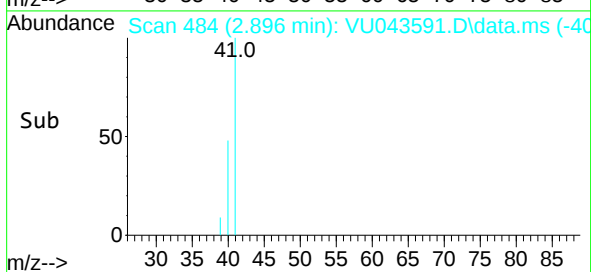
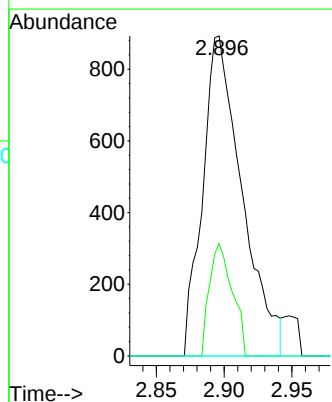
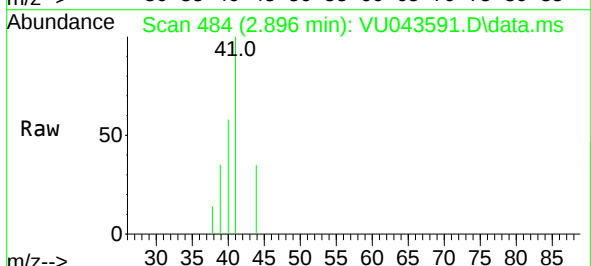
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

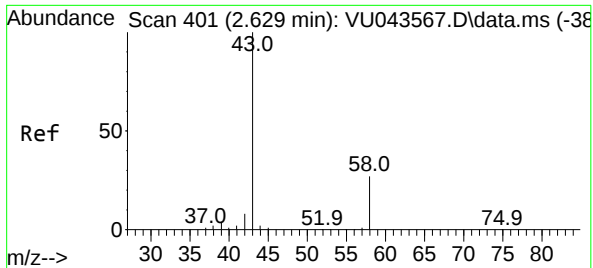
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#14
Allyl chloride
Concen: 0.56 ug/l
RT: 2.896 min Scan# 484
Delta R.T. -0.032 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 41 Resp: 1804
Ion Ratio Lower Upper
41 100
39 20.3 54.5 81.7#
76 0.0 19.9 29.9#

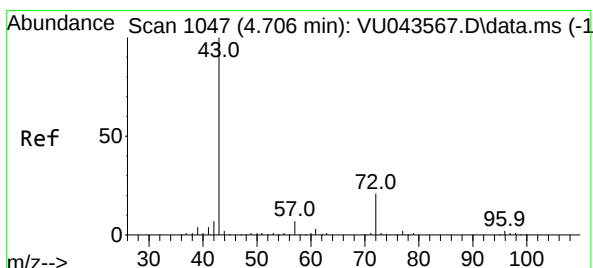
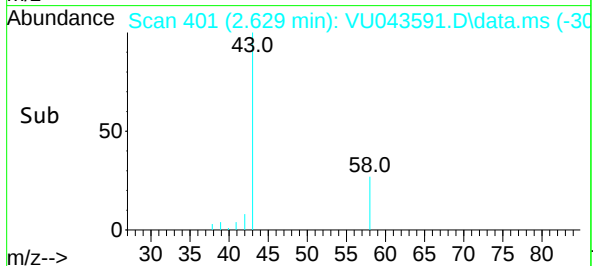
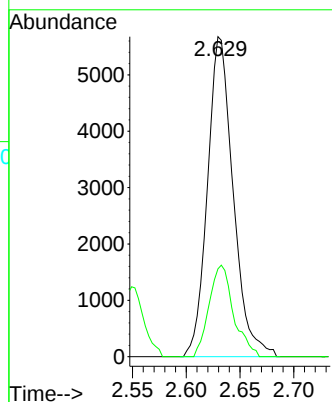
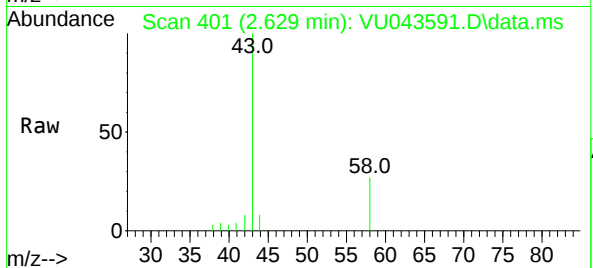




#16
Acetone
Concen: 7.52 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

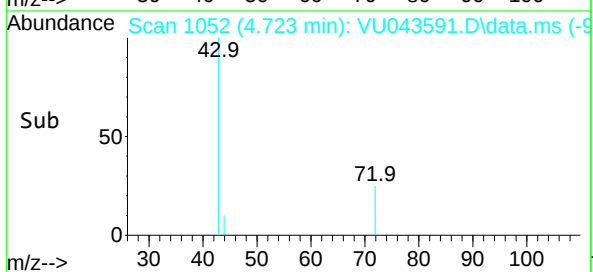
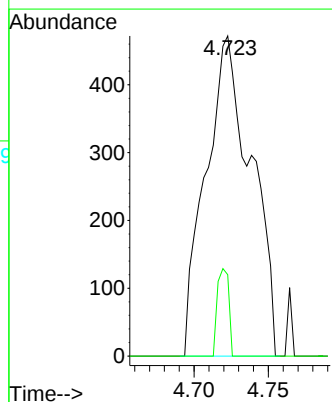
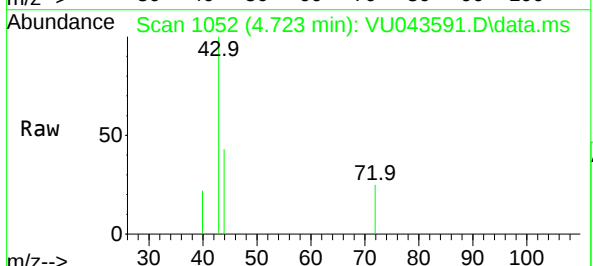
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

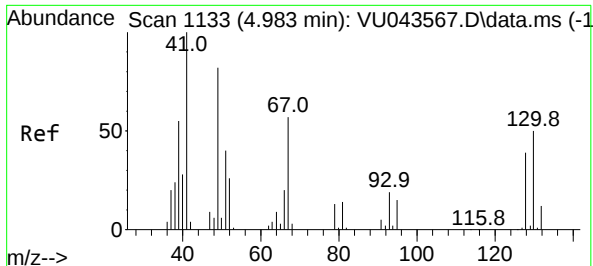
Tgt Ion: 43 Resp: 9450
Ion Ratio Lower Upper
43 100
58 27.4 21.7 32.5



#25
2-Butanone
Concen: 0.52 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
72 25.4 16.5 24.7#

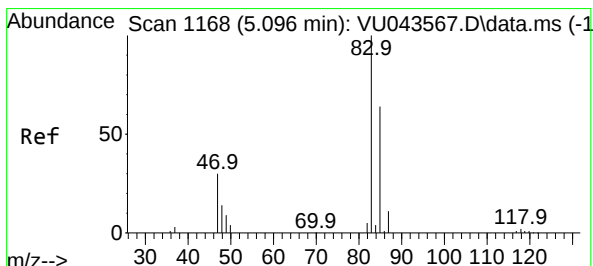
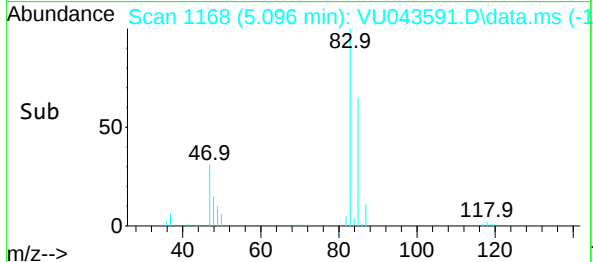
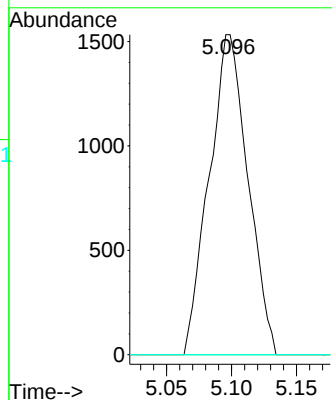
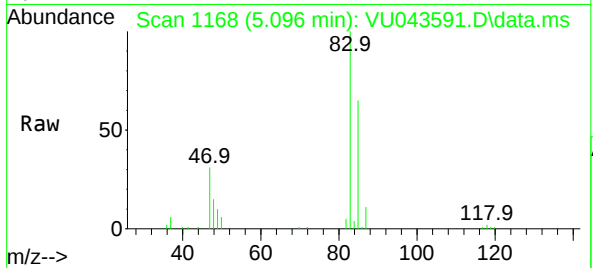




#28
Bromochloromethane
Concen: 1.97 ug/l
RT: 5.096 min Scan# 1168
Delta R.T. 0.113 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

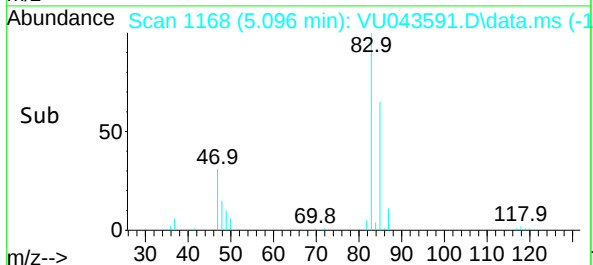
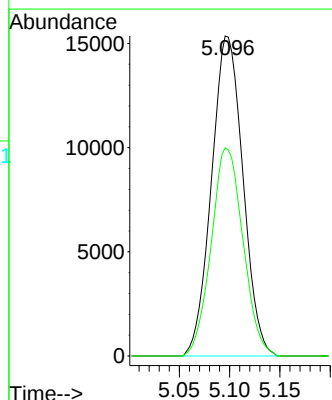
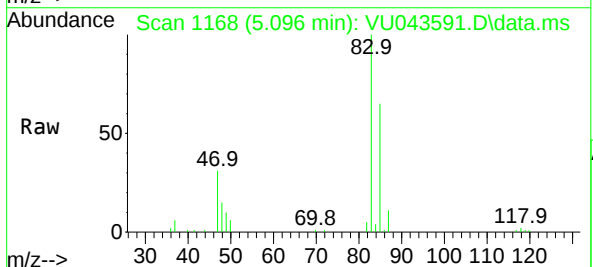
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

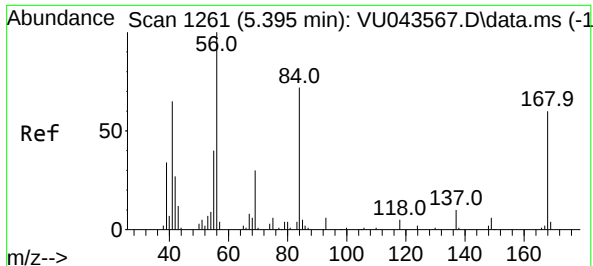
Tgt Ion: 49 Resp: 3179
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 0.0 48.1 72.1#



#30
Chloroform
Concen: 10.74 ug/l
RT: 5.096 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

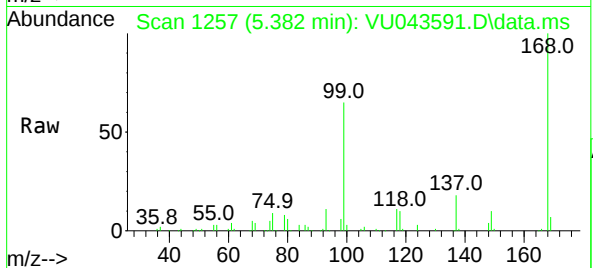
Tgt Ion: 83 Resp: 33383
Ion Ratio Lower Upper
83 100
85 65.1 51.2 76.8



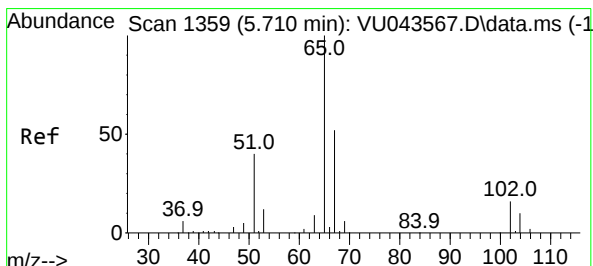
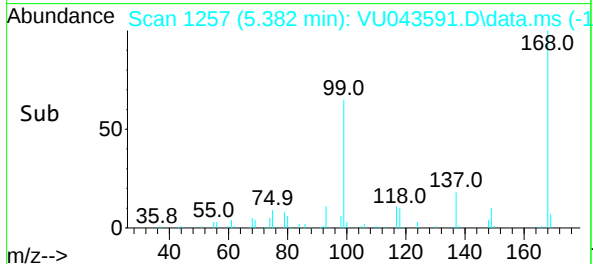
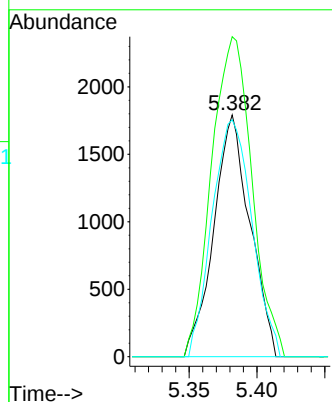


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

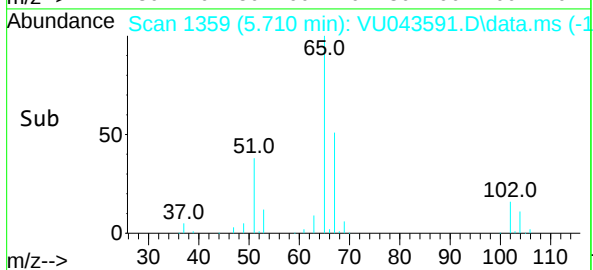
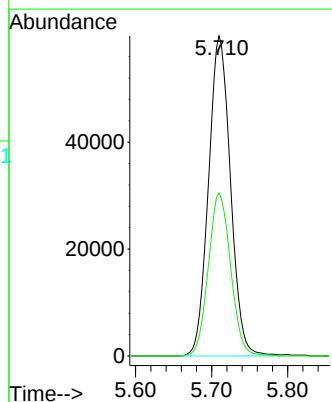
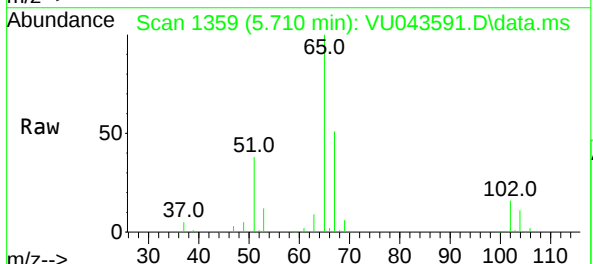


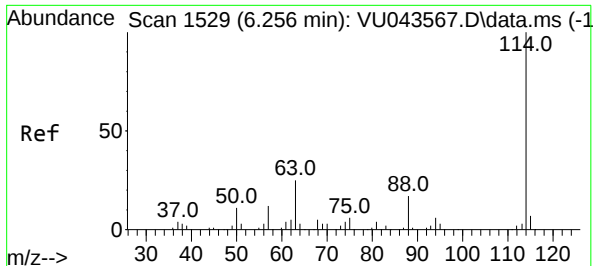
Tgt Ion: 56 Resp: 3319
Ion Ratio Lower Upper
56 100
69 132.4 23.9 35.9#
84 98.0 57.7 86.5#



#33
1,2-Dichloroethane-d4
Concen: 53.13 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 65 Resp: 120212
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

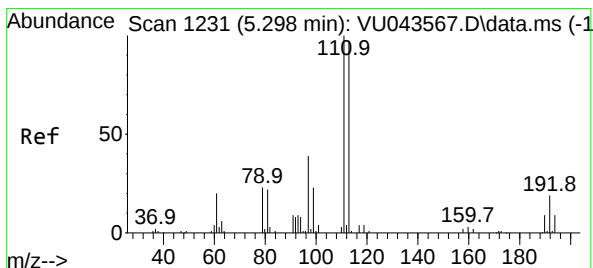
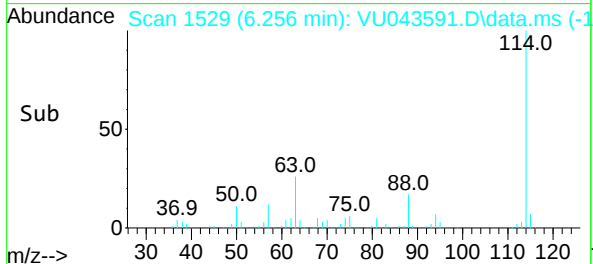
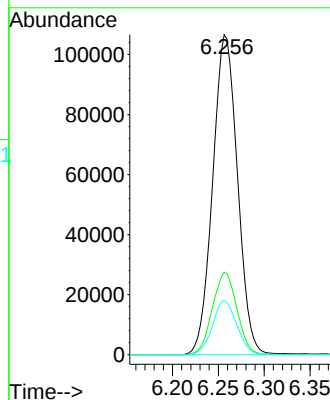
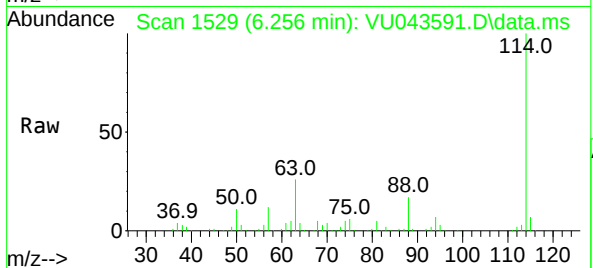
Tgt Ion:114 Resp: 200509

Ion Ratio Lower Upper

114 100

63 25.8 0.0 50.2

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 51.54 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

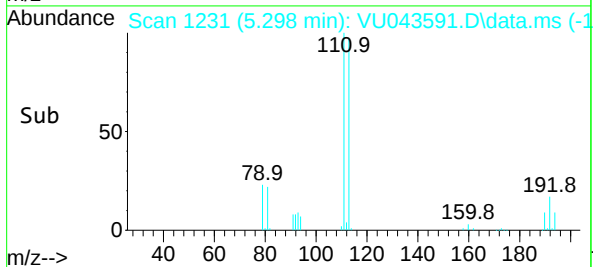
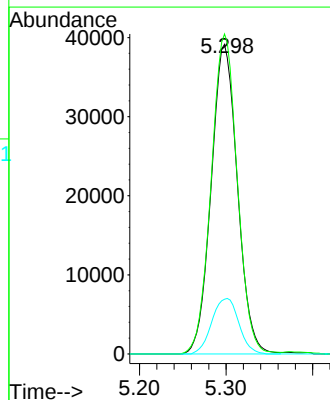
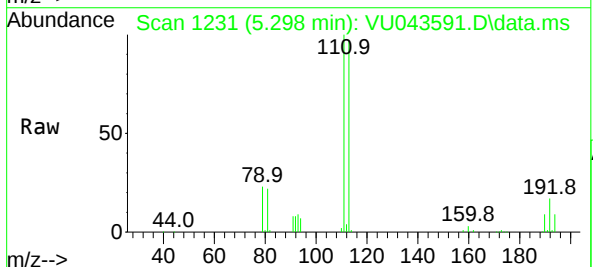
Tgt Ion:113 Resp: 82412

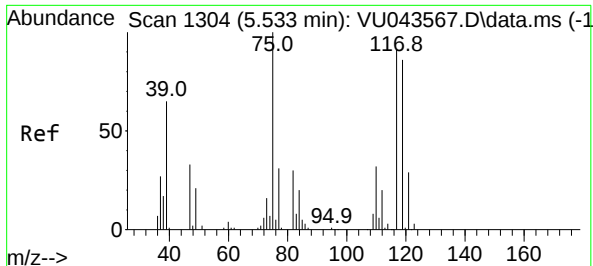
Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

192 18.4 15.8 23.6



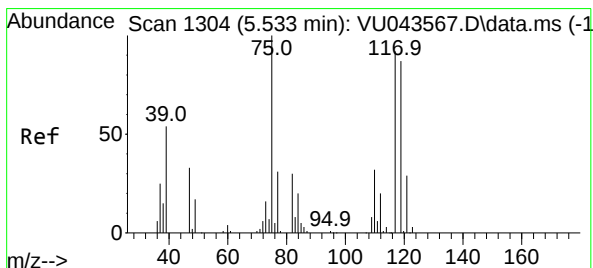
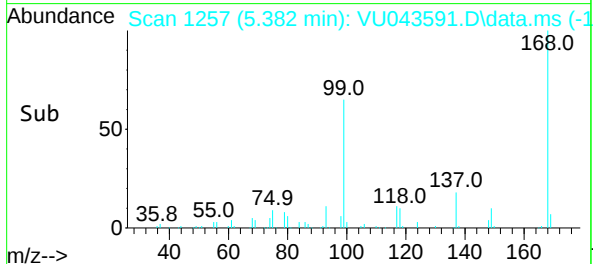
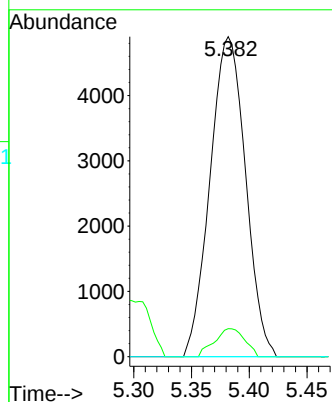
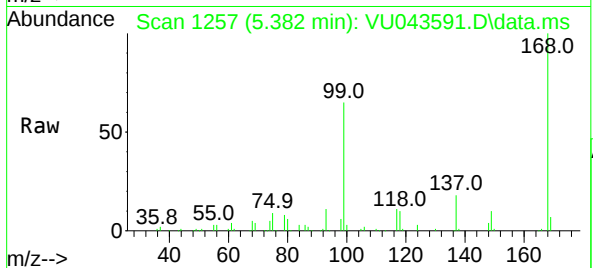


#36

1,1-Dichloropropene
Concen: 4.60 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

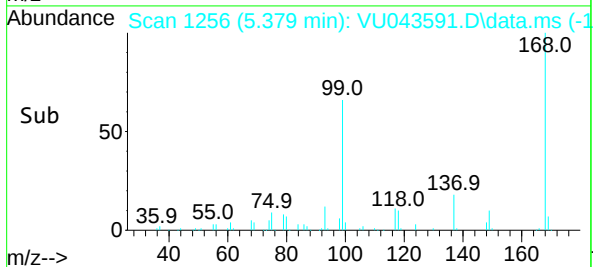
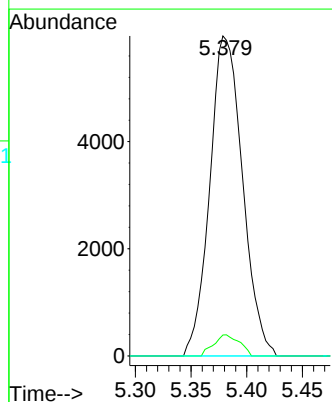
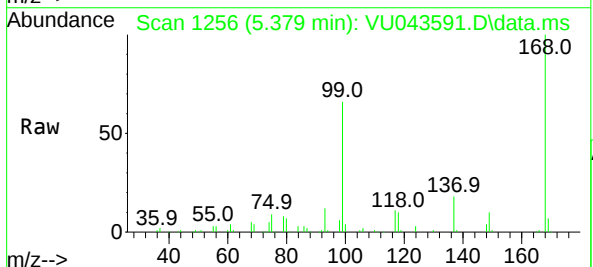
Tgt Ion: 75 Resp: 10472
Ion Ratio Lower Upper
75 100
110 7.5 16.2 48.5#
77 0.0 24.4 36.6#

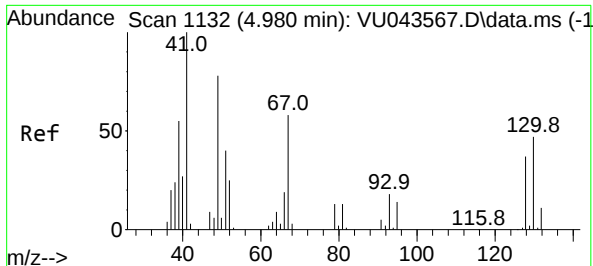


#38

Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 117 Resp: 12216
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.0#
121 0.0 25.2 37.8#

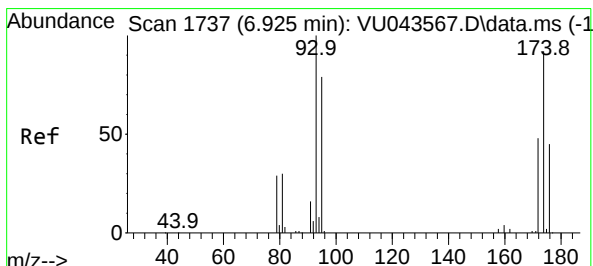
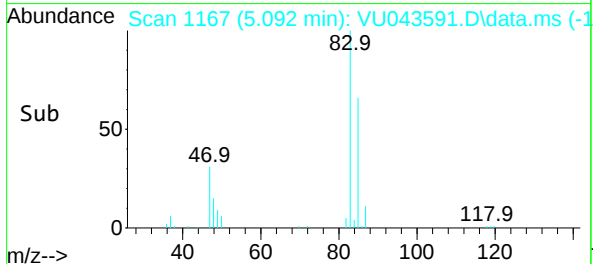
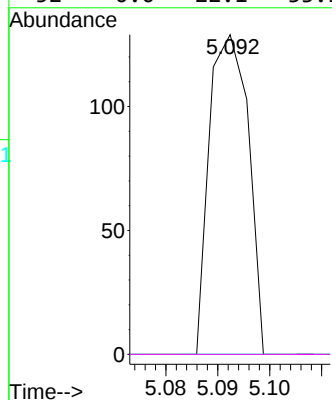
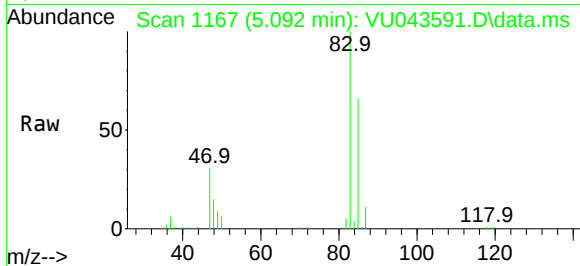




#41
Methacrylonitrile
Concen: 1.91 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.112 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

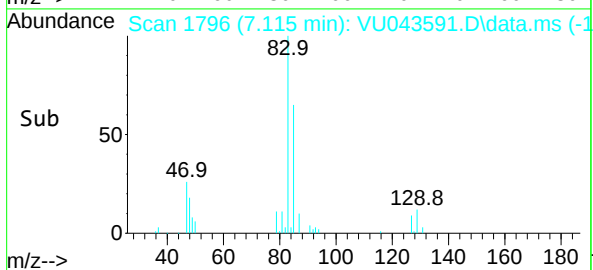
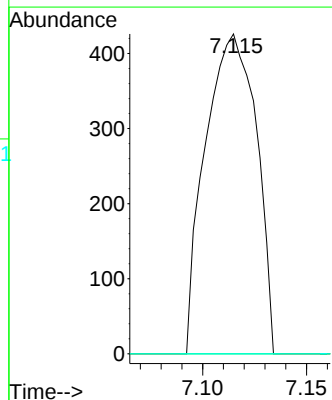
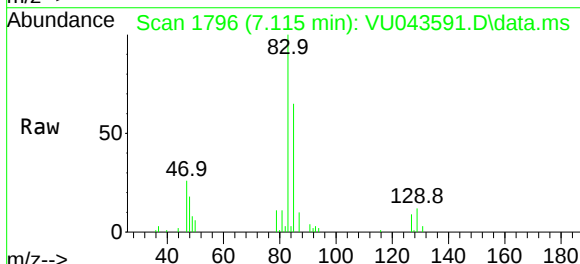
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

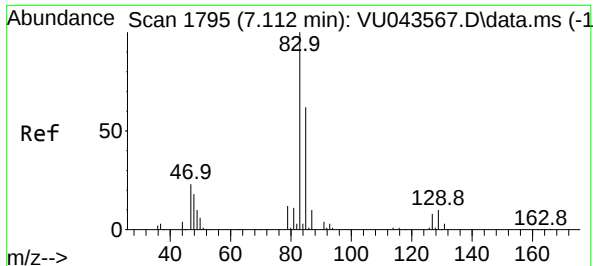
Tgt Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.8	68.6#
67	0.0	46.5	69.7#
52	0.0	22.1	33.1#



#46
Dibromomethane
Concen: 0.57 ug/l
RT: 7.115 min Scan# 1796
Delta R.T. 0.190 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion:	93	Resp:	726
Ion	Ratio	Lower	Upper
93	100		
95	0.0	64.5	96.7#
174	0.0	73.4	110.0#





#47

Bromodichloromethane

Concen: 9.42 ug/l

RT: 7.112 min Scan# 1795

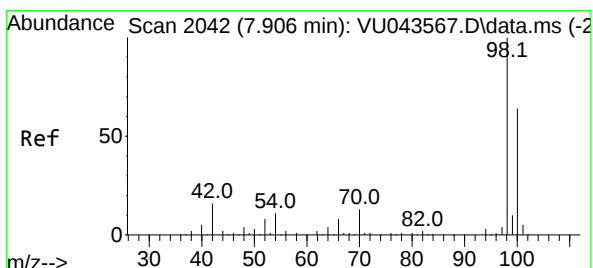
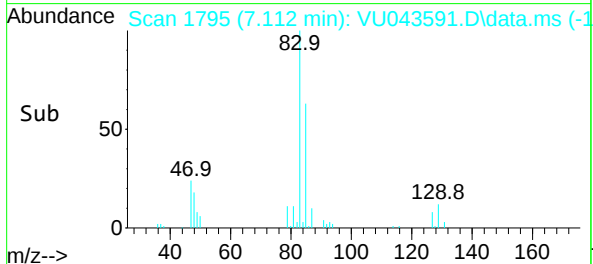
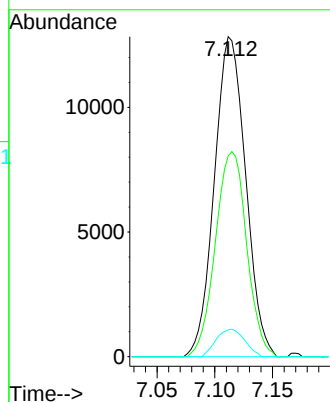
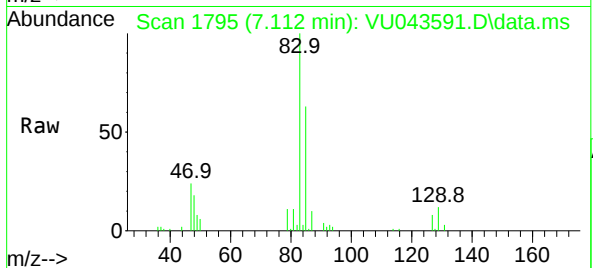
Delta R.T. 0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

Tgt Ion:	83	Resp:	24176
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.6	74.4
127	8.4	6.4	9.6

Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER



#50

Toluene-d8

Concen: 49.50 ug/l

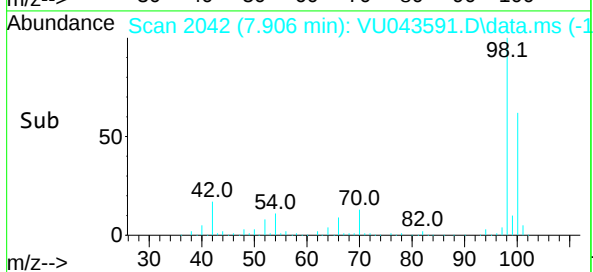
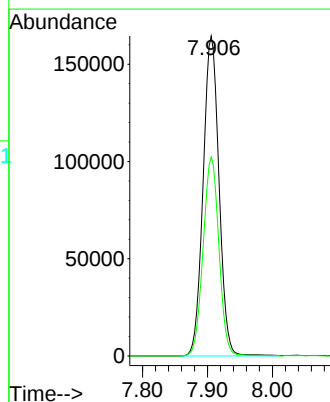
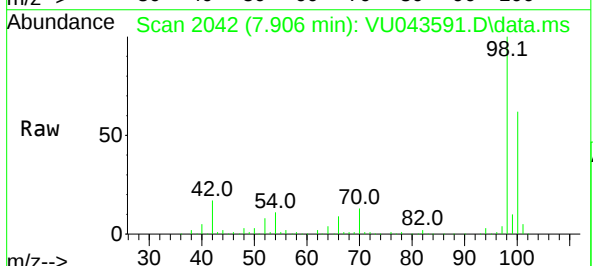
RT: 7.906 min Scan# 2042

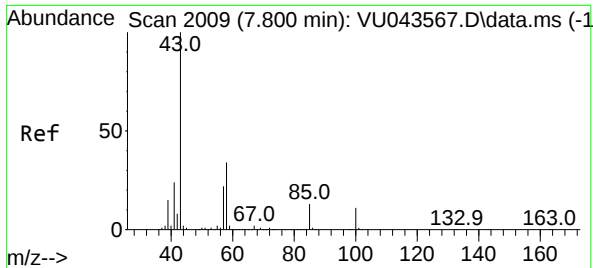
Delta R.T. 0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

Tgt Ion:	98	Resp:	280622
Ion	Ratio	Lower	Upper
98	100		
100	61.6	50.5	75.7

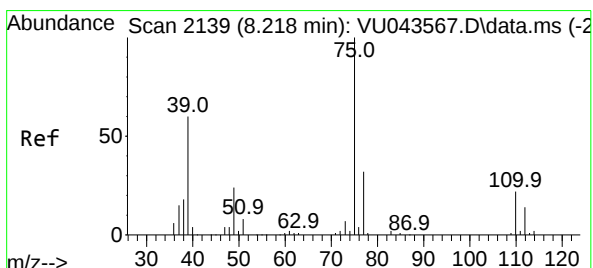
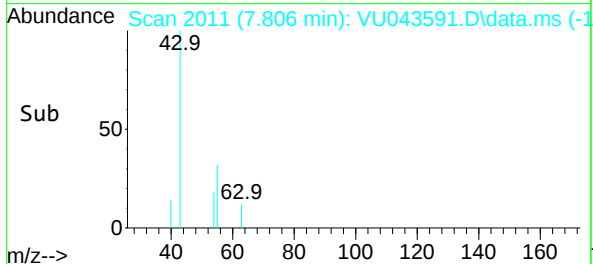
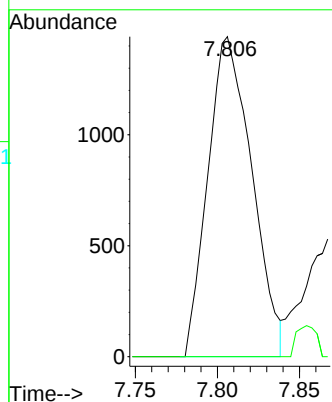
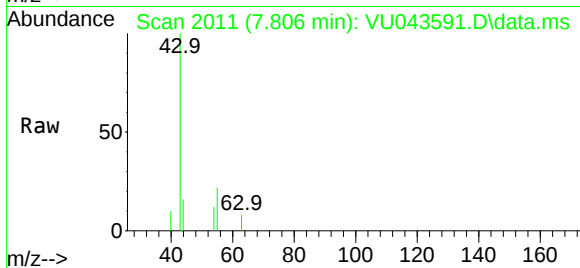




#51
4-Methyl-2-Pentanone
Concen: 19.72 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

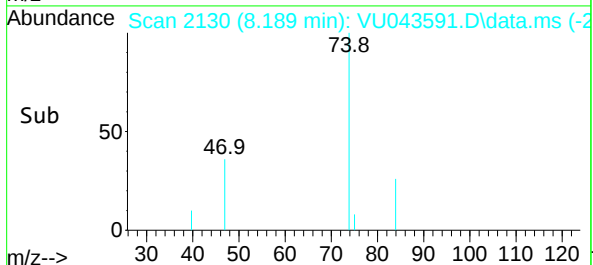
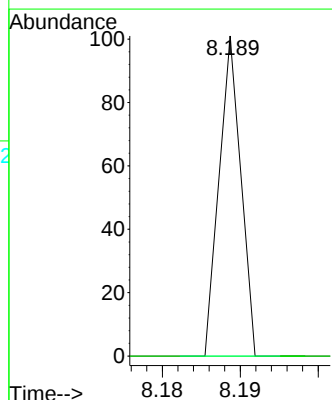
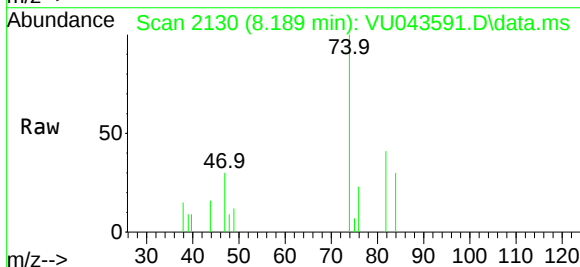
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

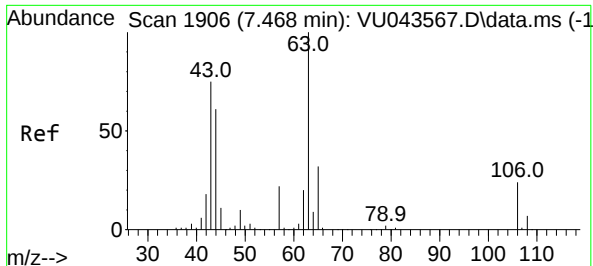
Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#53
t-1,3-Dichloropropene
Concen: 2.25 ug/l
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

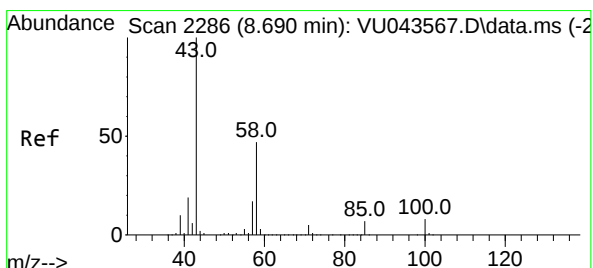
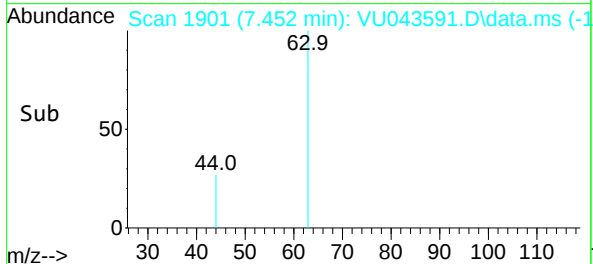
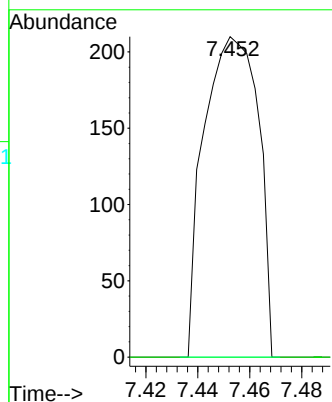
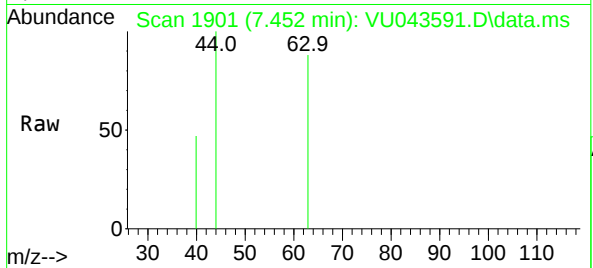




#58
2-Chloroethyl Vinyl ether
Concen: 22.81 ug/l
RT: 7.452 min Scan# 1901
Delta R.T. -0.016 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

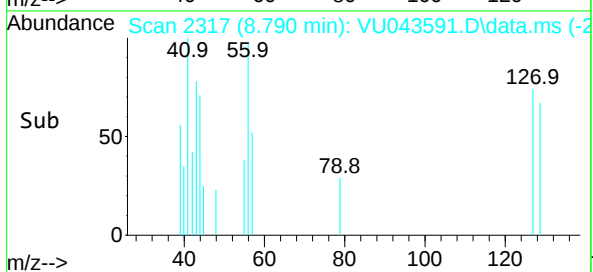
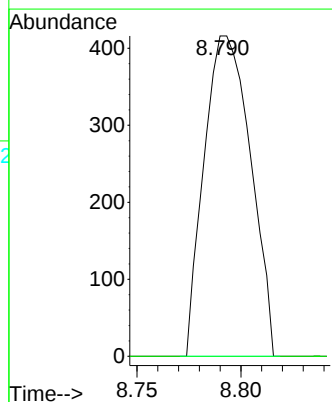
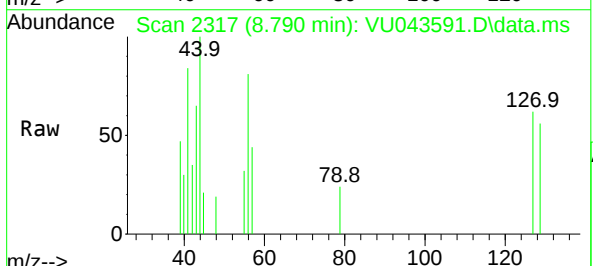
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

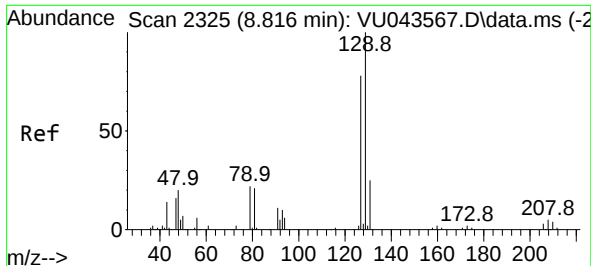
Tgt Ion: 63 Resp: 304
Ion Ratio Lower Upper
63 100
106 0.0 18.6 28.0#



#59
2-Hexanone
Concen: 20.87 ug/l
RT: 8.790 min Scan# 2317
Delta R.T. 0.100 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#

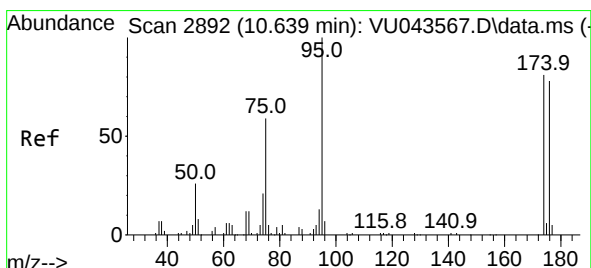
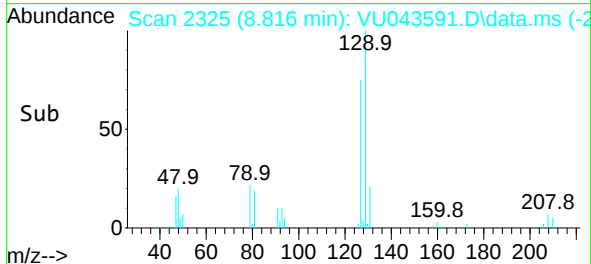
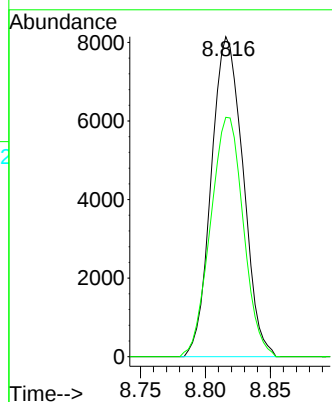
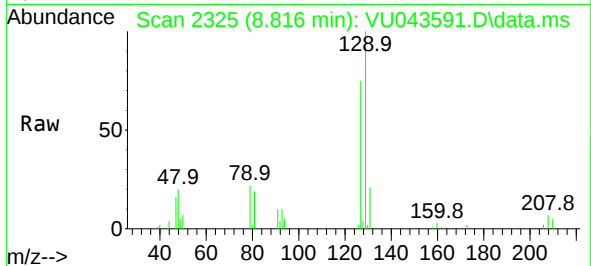




#60
Dibromochloromethane
Concen: 7.57 ug/l
RT: 8.816 min Scan# 2325
Delta R.T. 0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

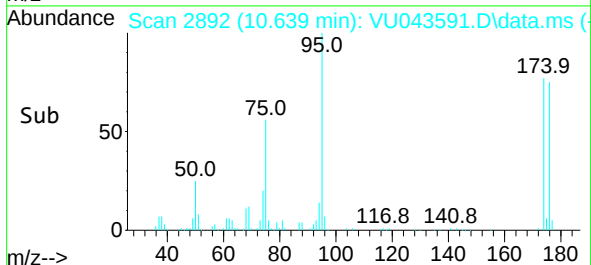
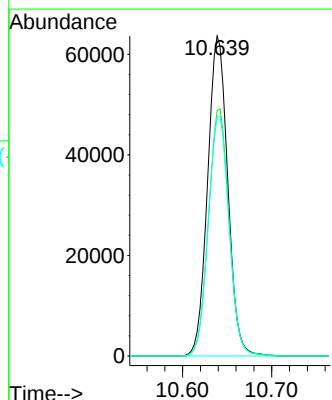
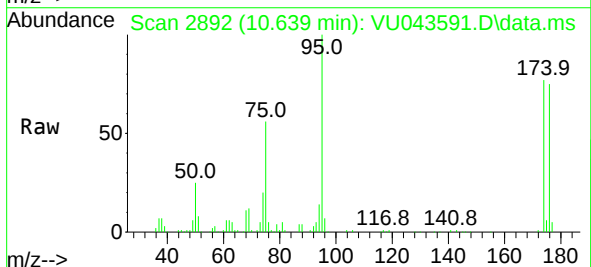
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

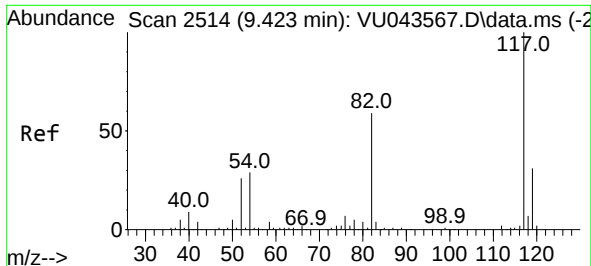
Tgt Ion:129 Resp: 13842
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9



#62
4-Bromofluorobenzene
Concen: 46.15 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 95 Resp: 99554
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.8
176 77.4 0.0 155.6

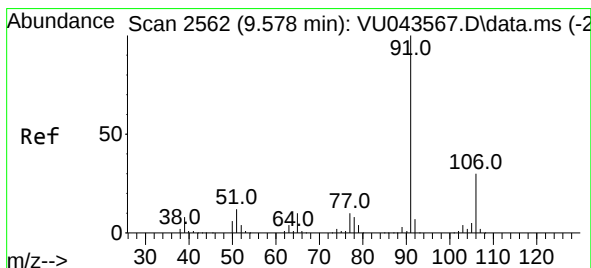
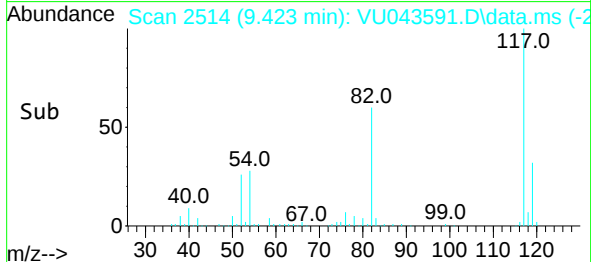
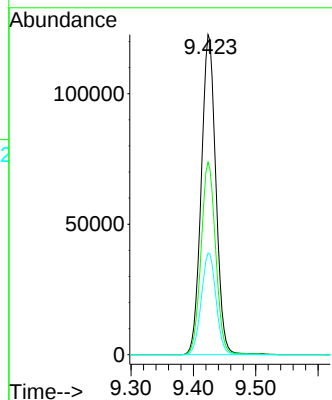
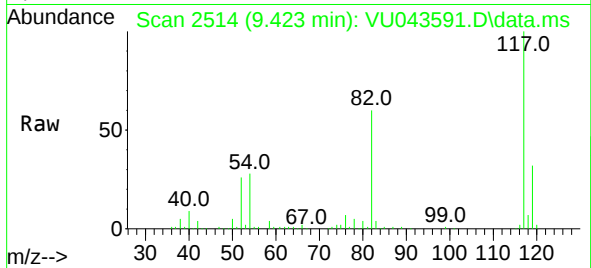




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

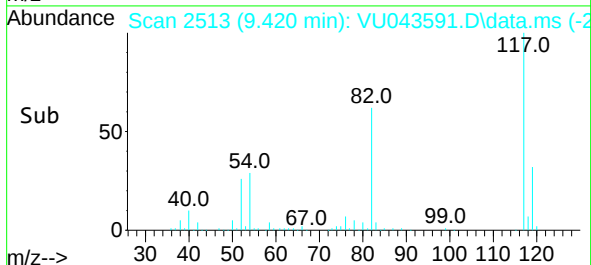
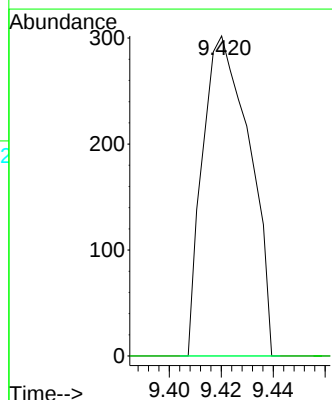
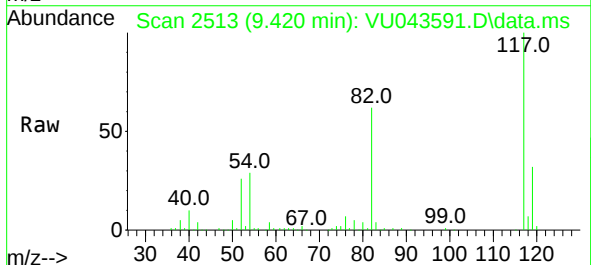
Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER

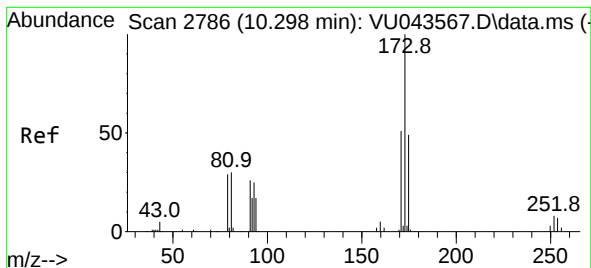
Tgt Ion:117 Resp: 199429
Ion Ratio Lower Upper
117 100
82 60.2 47.5 71.3
119 31.8 24.7 37.1



#67
Ethyl Benzene
Concen: 1.49 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.158 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

Tgt Ion: 91 Resp: 379
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#





#71

Bromoform

Concen: 4.35 ug/l

RT: 10.298 min Scan# 2786

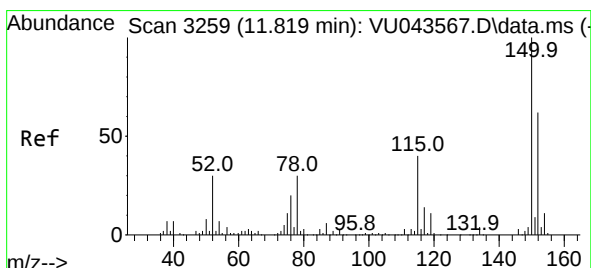
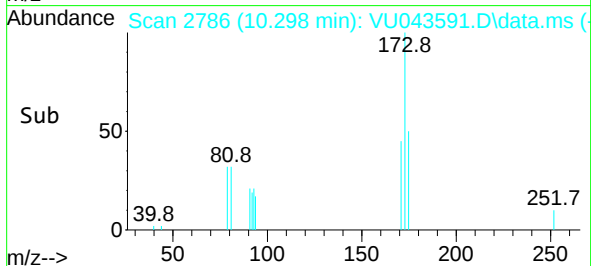
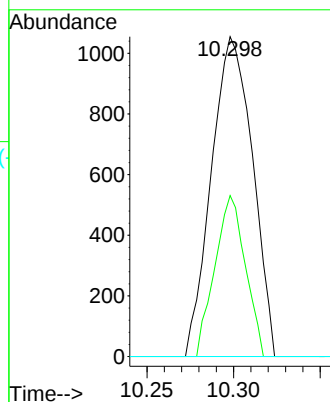
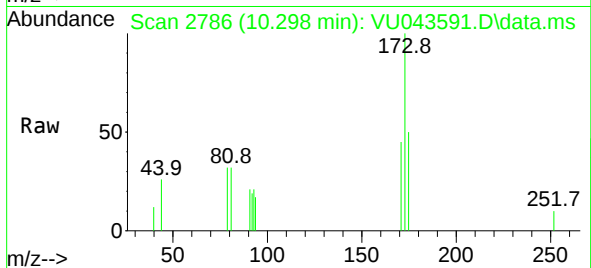
Delta R.T. -0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

Tgt Ion:	173	Resp:	1743
Ion Ratio	Lower	Upper	
173	100		
175	37.2	24.3	73.0
254	0.0	0.0	0.0

Instrument :
MSVOA_U
ClientSampleId :
CITY-WATER



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

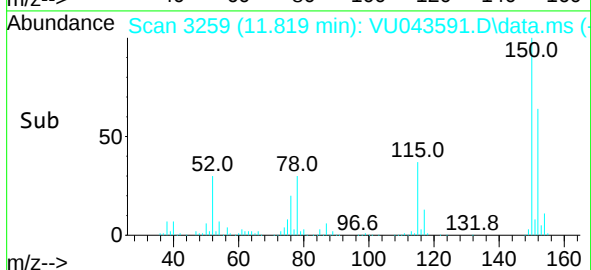
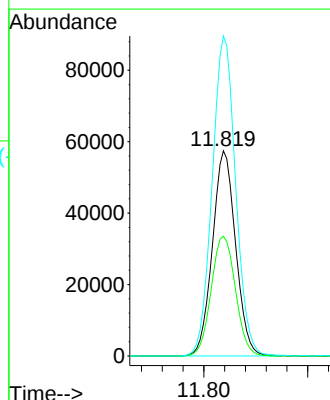
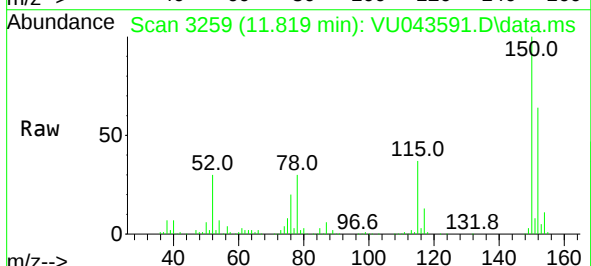
RT: 11.819 min Scan# 3259

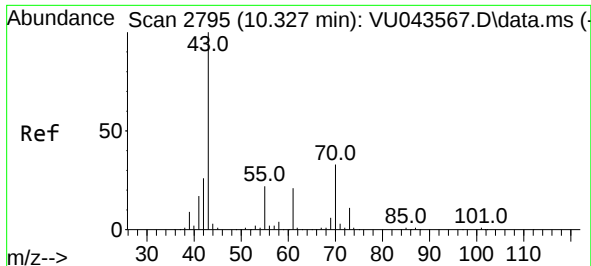
Delta R.T. 0.000 min

Lab File: VU043591.D

Acq: 06 May 2021 18:17

Tgt Ion:	152	Resp:	88950
Ion Ratio	Lower	Upper	
152	100		
115	60.9	46.1	138.3
150	157.7	0.0	361.0

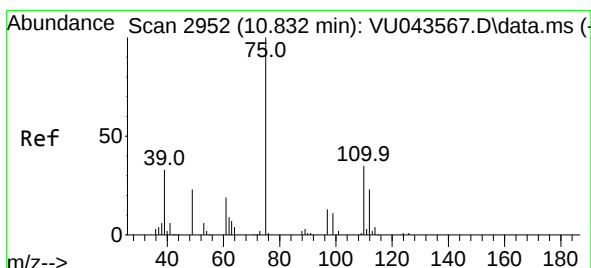
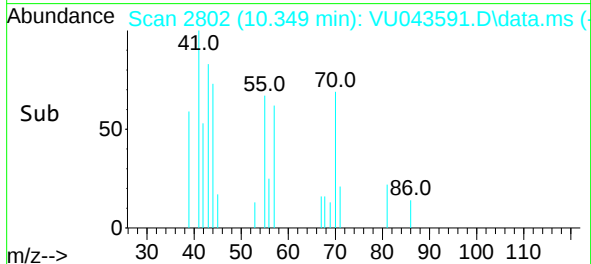
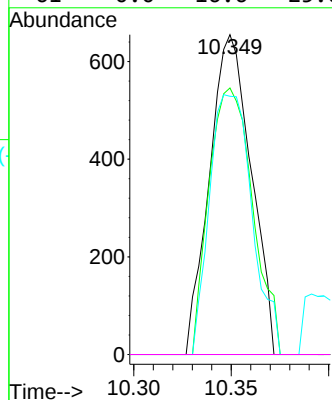
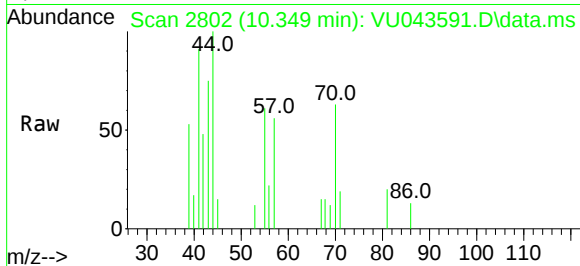




#74
N-amy1 acetate
Concen: 2.71 ug/l
RT: 10.349 min Scan# 2802
Delta R.T. 0.022 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

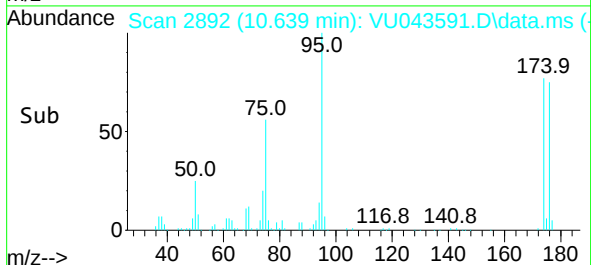
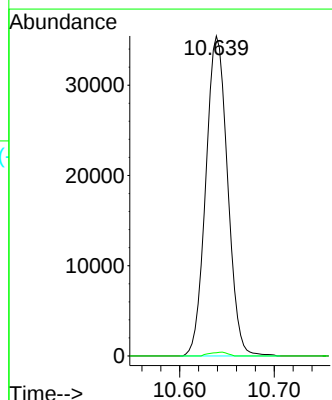
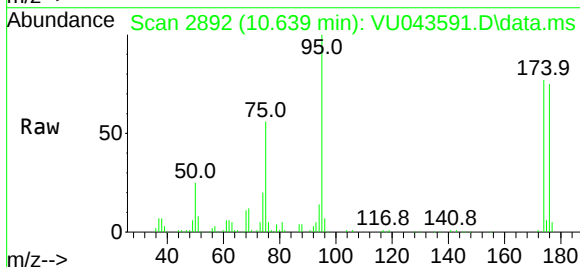
Instrument :
MSVOA_U
ClientSampled :
CITY-WATER

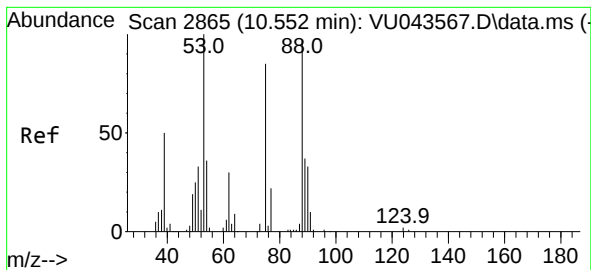
Tgt Ion: 43	Resp: 972
Ion Ratio	Lower Upper
43 100	
70 87.8	26.4 39.6#
55 83.2	18.0 27.0#
61 0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.06 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043591.D
Acq: 06 May 2021 18:17

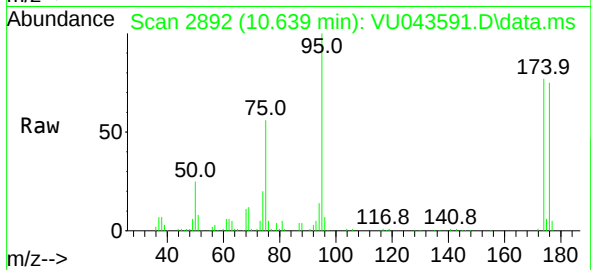
Tgt Ion: 75	Resp: 56745
Ion Ratio	Lower Upper
75 100	
77 1.0	17.1 51.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.34 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU043591.D
 Acq: 06 May 2021 18:17

Instrument :
 MSVOA_U
 ClientSampleId :
 CITY-WATER



Tgt Ion: 75 Resp: 56745
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.8 143.8#
 89 0.0 36.1 54.1#

