

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030425\
 Data File : VX045123.D
 Acq On : 04 Mar 2025 10:31
 Operator : JC/MD
 Sample : Q1456-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

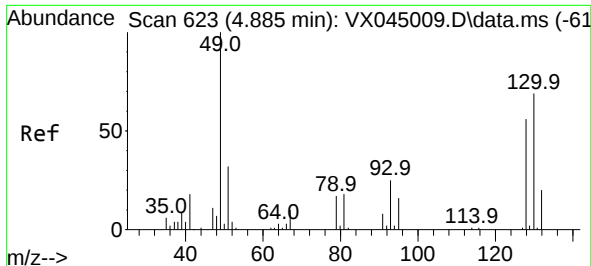
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WASTE WATER

Quant Time: Mar 05 00:46:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	15247	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	81841	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	77072	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	45644	30.822	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.733%
60) 4-Bromofluorobenzene	11.079	95	40640	28.211	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.033%
63) Toluene-d8	8.647	98	123881	29.054	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
13) Acrolein	2.252	56	378	1.402	ug/l	95
15) Acetone	2.380	58	140175	777.979	ug/l #	59
20) Diisopropyl ether	3.757	45	1843	0.443	ug/l #	53
23) tert-Butyl Alcohol	3.032	59	118	0.514	ug/l #	100
25) Chloroform	5.087	83	5206	2.328	ug/l	98
30) 2-Butanone	4.562	43	23973	27.569	ug/l #	96
38) Methylcyclohexane	7.818	83	634	0.314	ug/l #	16
41) Bromodichloromethane	7.818	83	700	0.418	ug/l #	96
47) n-amyl Acetate	10.957	43	2025	0.869	ug/l	93
51) Ethyl methacrylate	8.653	69	464	0.269	ug/l #	61
56) Bromoform	11.085	173	313	0.411	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	22462	15.750	ug/l	35
77) t-1,4-Dichloro-2-butene	11.079	75	22462	46.812	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	12.866	75	1309	3.899	ug/l #	3

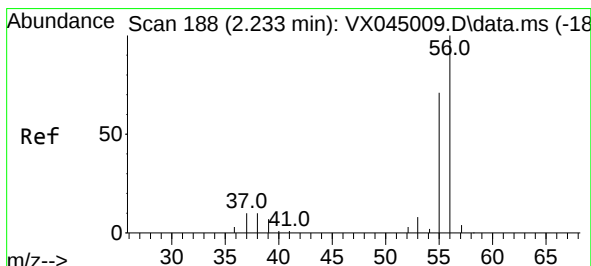
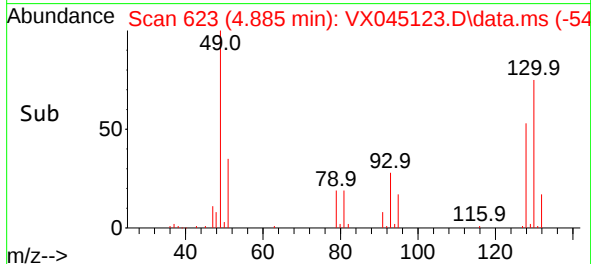
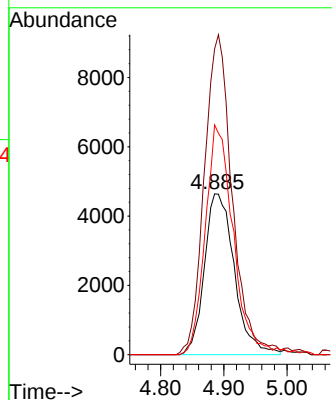
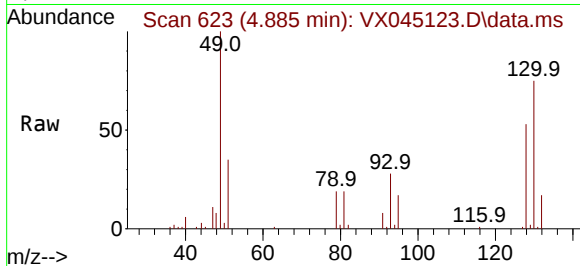
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.885 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VX045123.D
 Acq: 04 Mar 2025 10:31

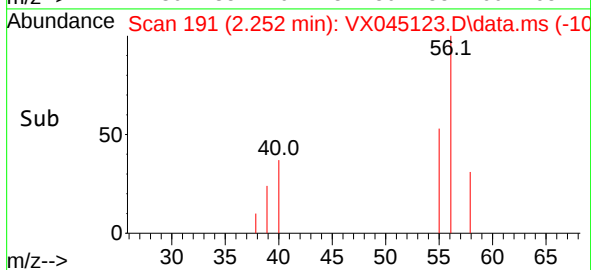
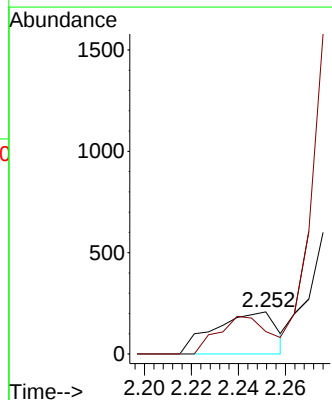
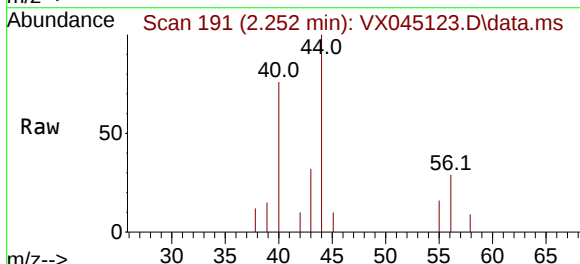
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WASTE WATER

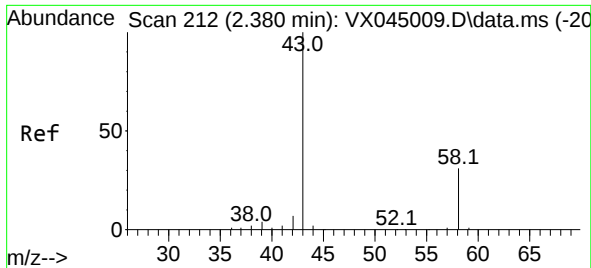
Tgt Ion:	128	Resp:	15247
Ion	Ratio	Lower	Upper
128	100		
49	184.1	0.0	449.7
130	132.6	0.0	312.7



#13
 Acrolein
 Concen: 1.402 ug/l
 RT: 2.252 min Scan# 191
 Delta R.T. 0.018 min
 Lab File: VX045123.D
 Acq: 04 Mar 2025 10:31

Tgt Ion:	56	Resp:	378
Ion	Ratio	Lower	Upper
56	100		
55	73.5	55.4	83.2

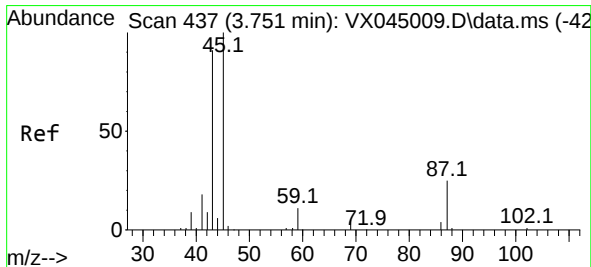
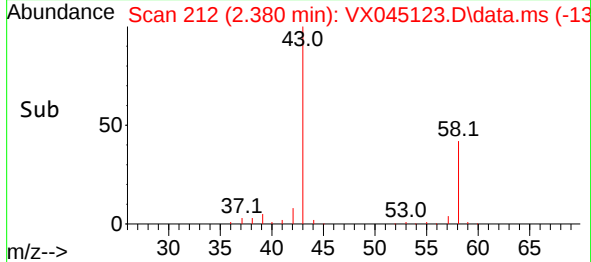
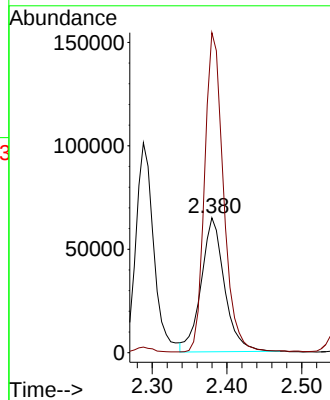
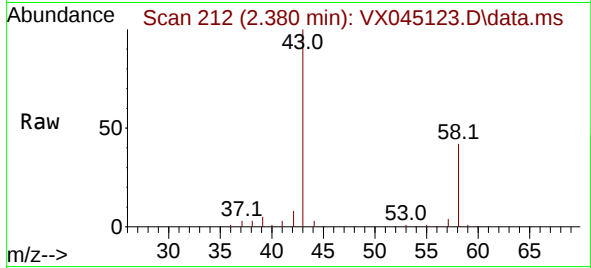




#15
Acetone
Concen: 777.979 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

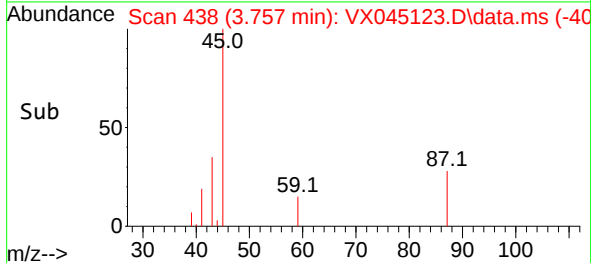
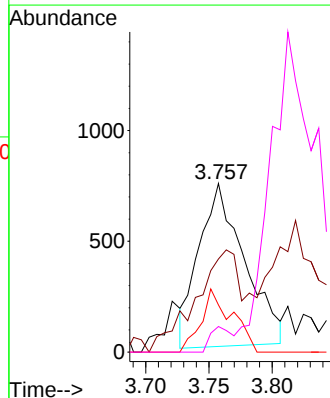
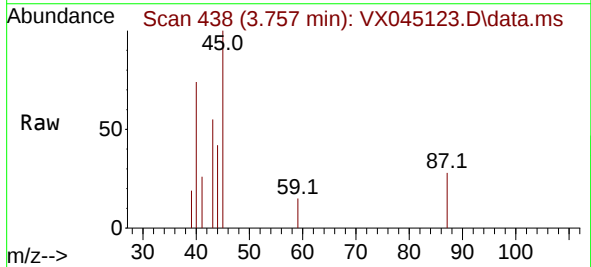
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

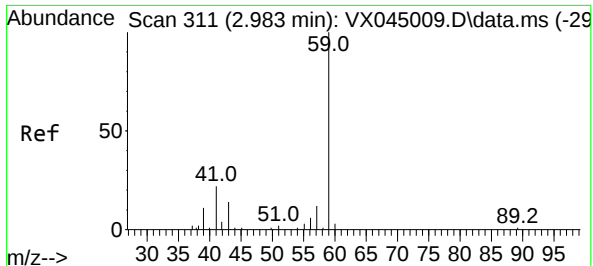
Tgt Ion: 58 Resp: 140175
Ion Ratio Lower Upper
58 100
43 239.0 258.6 388.0#



#20
Diisopropyl ether
Concen: 0.443 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 45 Resp: 1843
Ion Ratio Lower Upper
45 100
43 37.6 74.4 111.6#
87 34.2 19.8 29.8#
59 18.5 9.0 13.4#

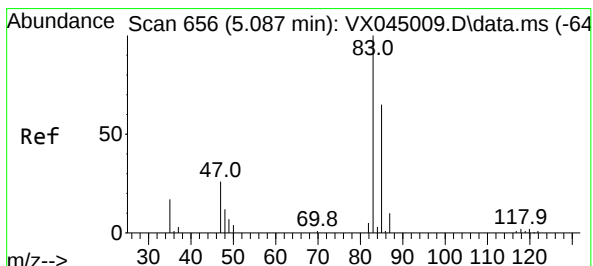
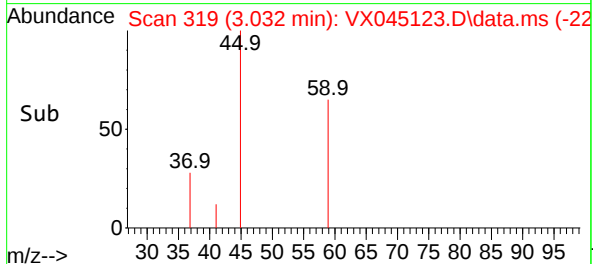
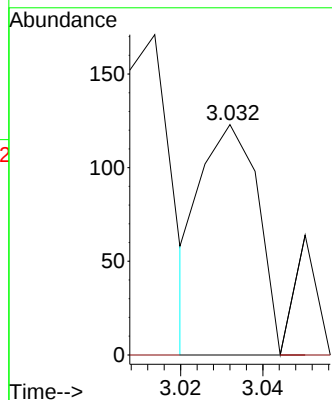
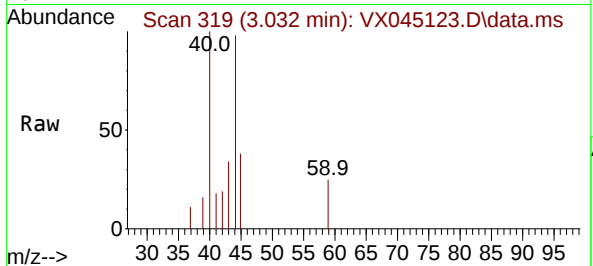




#23
tert-Butyl Alcohol
Concen: 0.514 ug/l
RT: 3.032 min Scan# 311
Delta R.T. 0.049 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

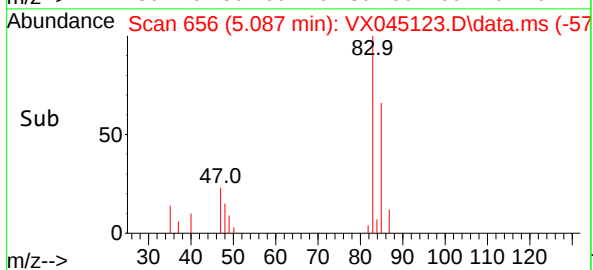
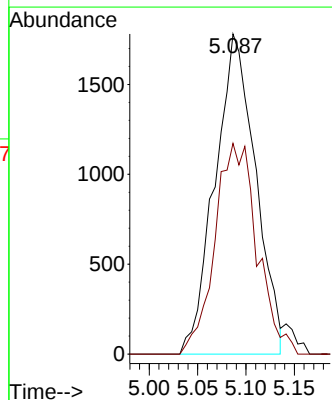
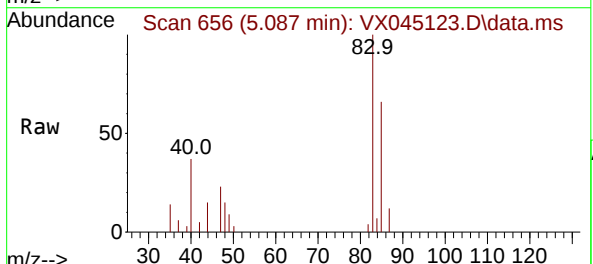
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

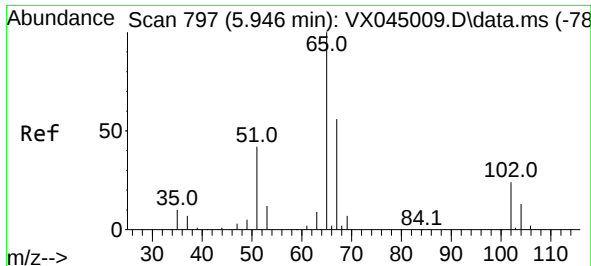
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 2.328 ug/l
RT: 5.087 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 83 Resp: 5206
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5





#27

1,2-Dichloroethane-d4

Concen: 30.822 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045123.D

Acq: 04 Mar 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

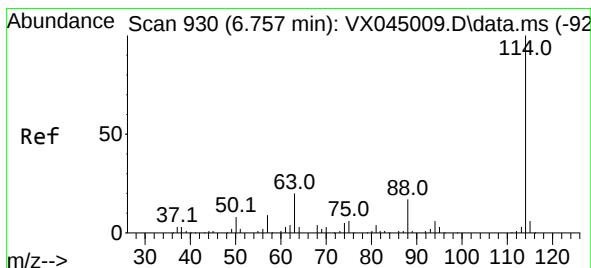
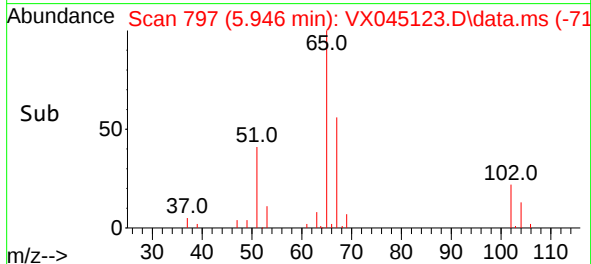
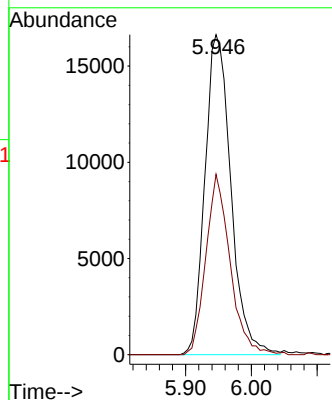
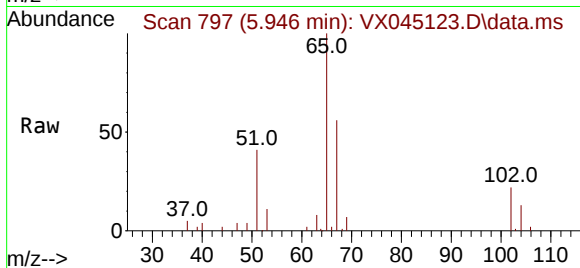
EFF-WASTE WATER

Tgt Ion: 65 Resp: 45644

Ion Ratio Lower Upper

65 100

67 52.0 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045123.D

Acq: 04 Mar 2025 10:31

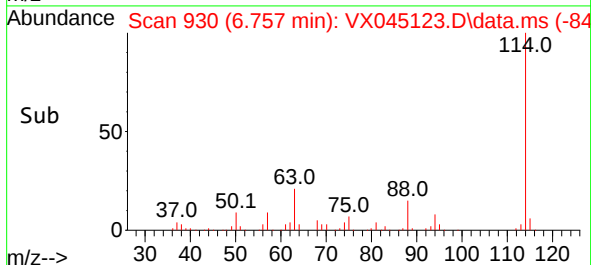
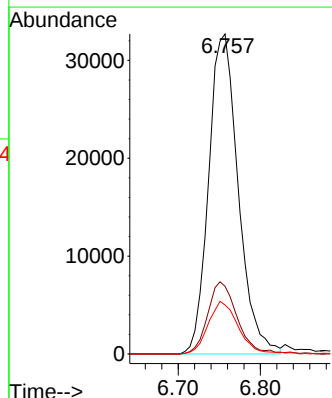
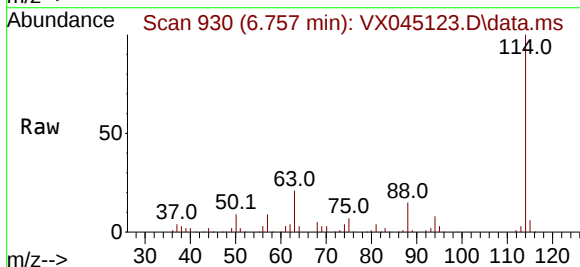
Tgt Ion: 114 Resp: 81841

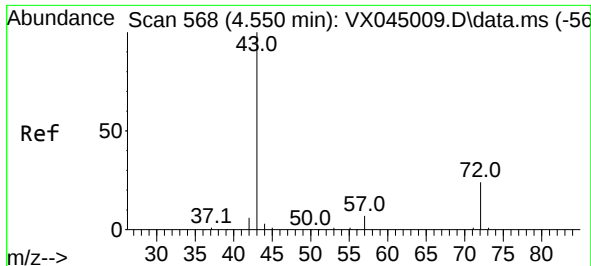
Ion Ratio Lower Upper

114 100

63 21.9 16.8 25.2

88 16.5 12.7 19.1

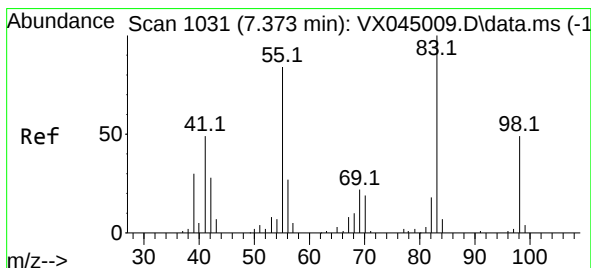
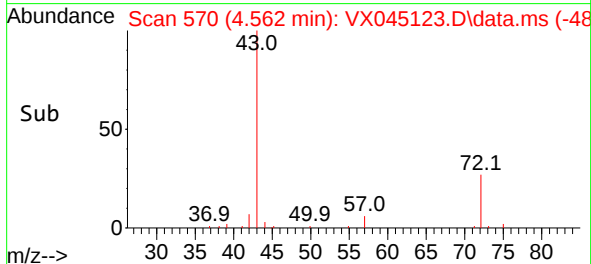
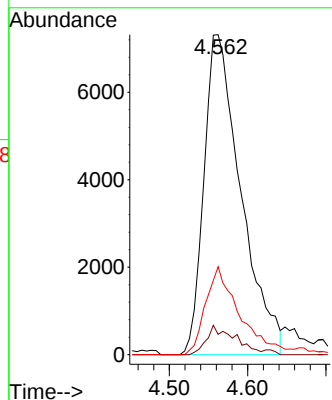
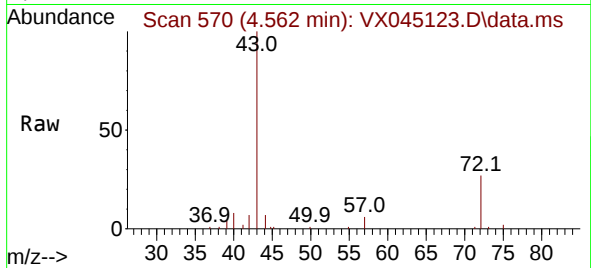




#30
2-Butanone
Concen: 27.569 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

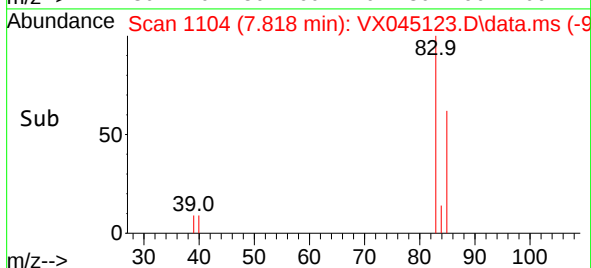
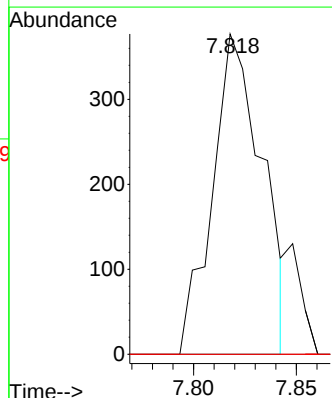
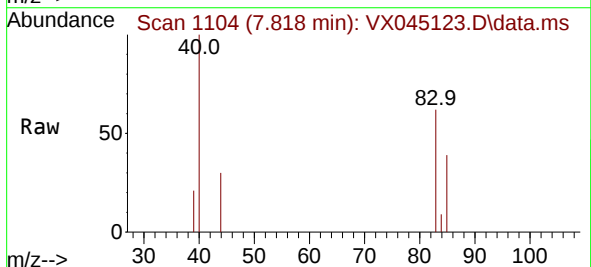
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

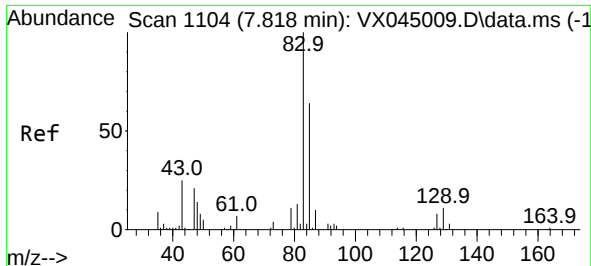
Tgt Ion: 43 Resp: 23973
Ion Ratio Lower Upper
43 100
57 3.0 6.2 9.2#
72 24.3 20.2 30.2



#38
Methylcyclohexane
Concen: 0.314 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.445 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 83 Resp: 634
Ion Ratio Lower Upper
83 100
55 0.0 40.6 122.0#
98 0.0 24.9 74.6#

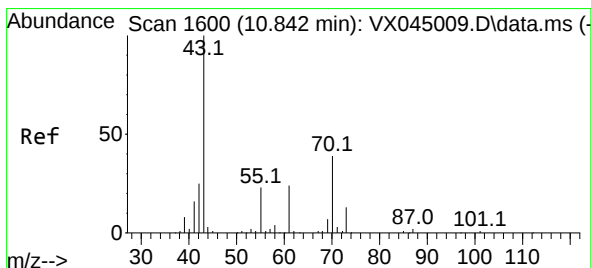
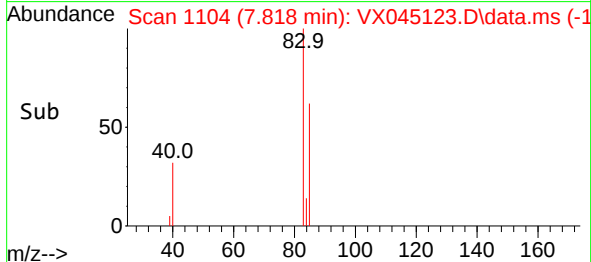
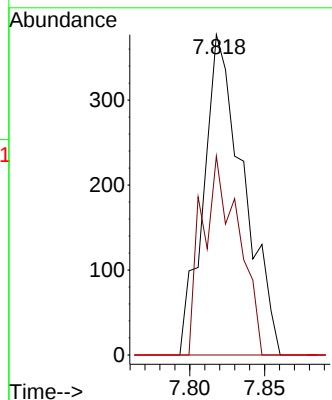
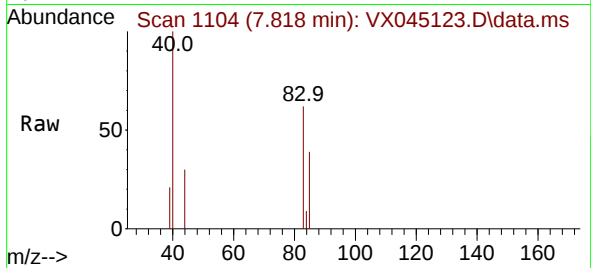




#41
Bromodichloromethane
Concen: 0.418 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

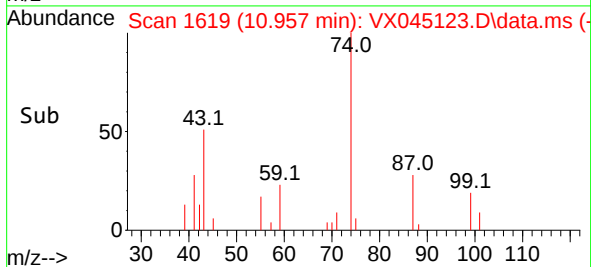
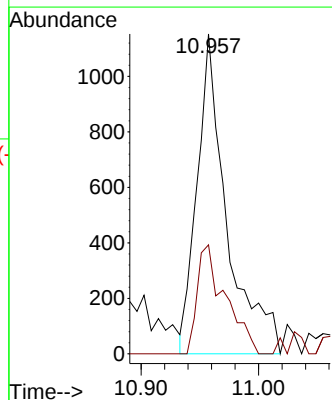
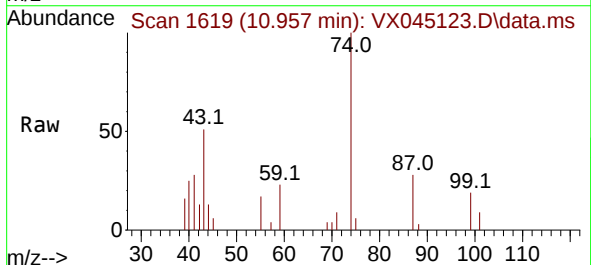
Instrument :
MSVOA_X
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EFF-WASTE WATER

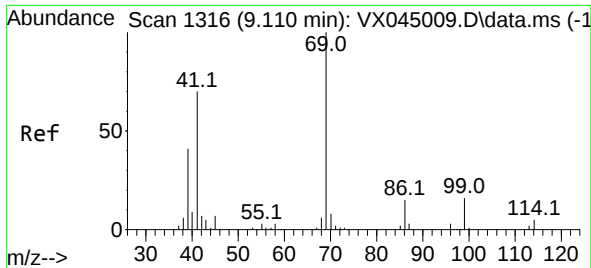
Tgt Ion: 83 Resp: 700
Ion Ratio Lower Upper
83 100
85 62.1 51.0 76.6
127 0.0 6.1 9.1#



#47
n-amy1 Acetate
Concen: 0.869 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.116 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
55 19.8 18.6 27.8

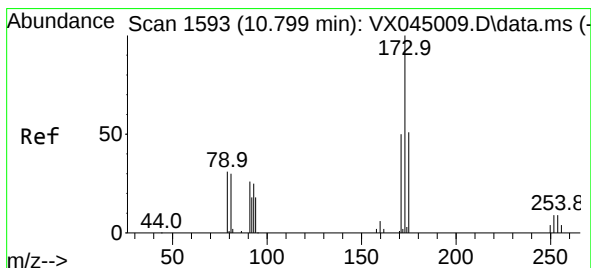
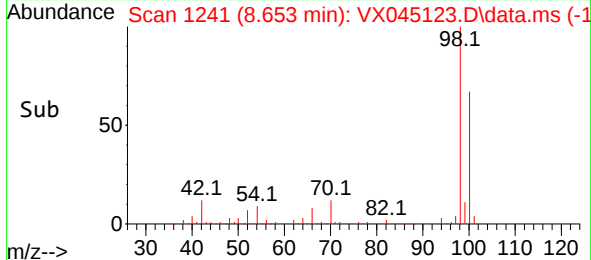
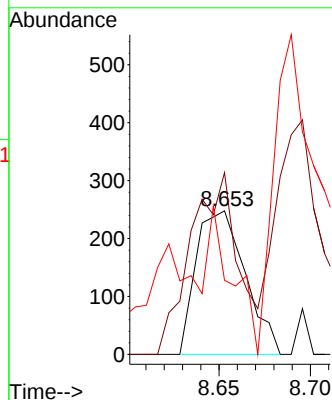
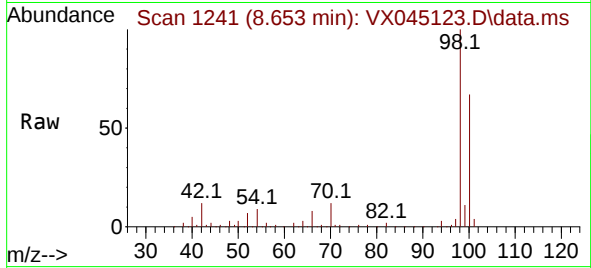




#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

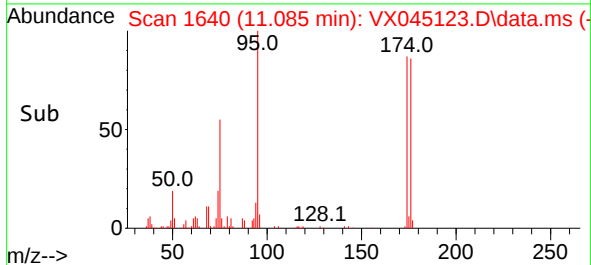
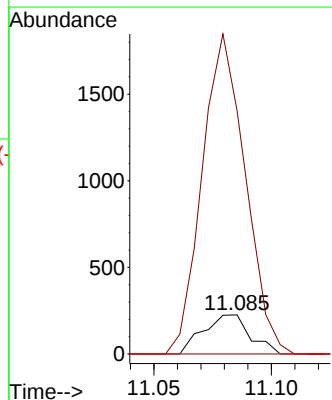
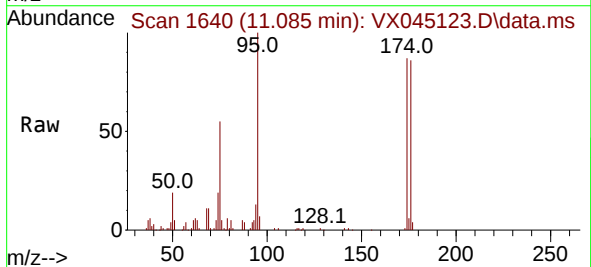
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

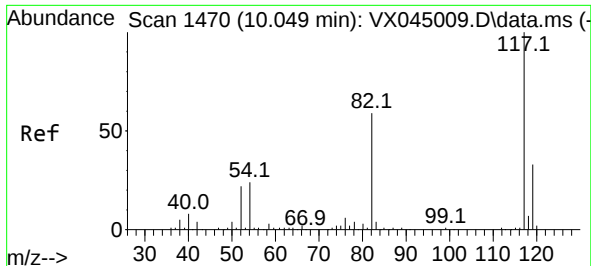
Tgt Ion: 69 Resp: 464
Ion Ratio Lower Upper
69 100
41 89.5 35.1 105.3
39 0.4 20.5 61.6#



#56
Bromoform
Concen: 0.411 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion:173 Resp: 313
Ion Ratio Lower Upper
173 100
175 754.3 39.6 59.4#
254 0.0 6.3 9.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045123.D

Acq: 04 Mar 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

EFF-WASTE WATER

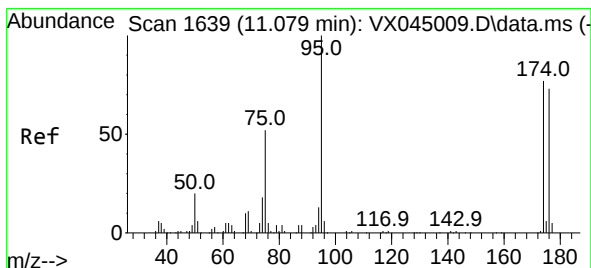
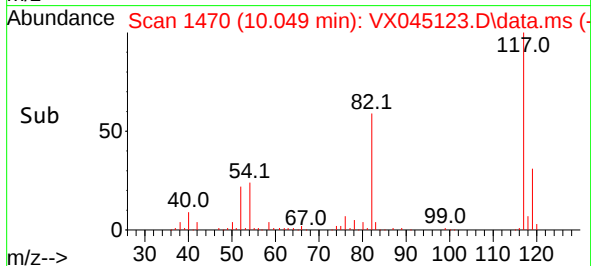
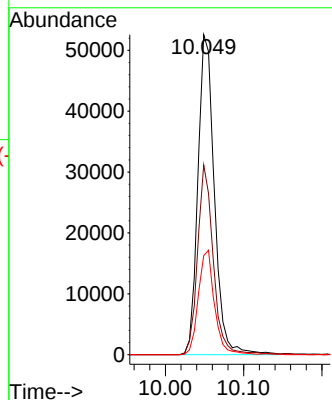
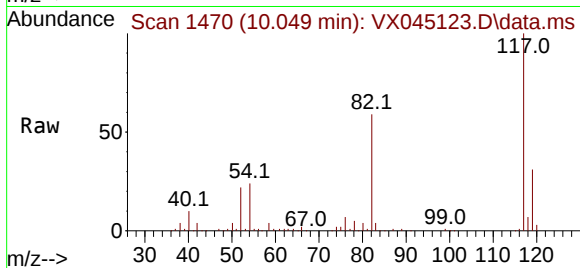
Tgt Ion:117 Resp: 77072

Ion Ratio Lower Upper

117 100

82 56.0 45.8 68.8

119 31.9 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 28.211 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045123.D

Acq: 04 Mar 2025 10:31

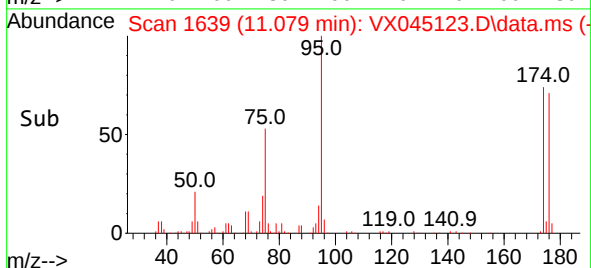
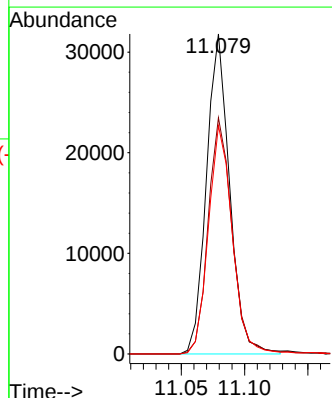
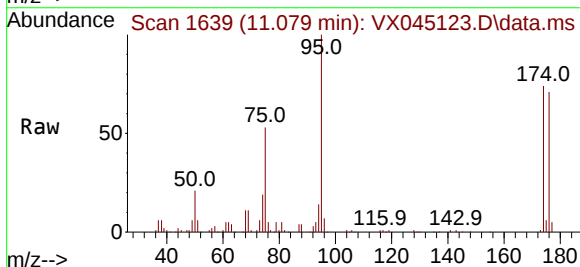
Tgt Ion: 95 Resp: 40640

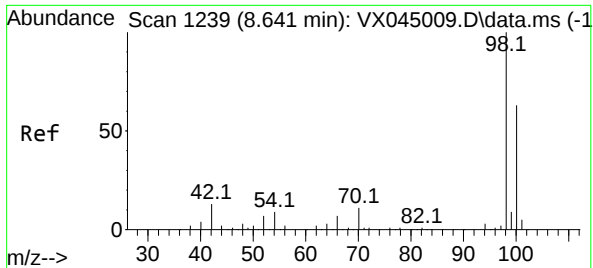
Ion Ratio Lower Upper

95 100

174 76.2 59.5 89.3

176 73.4 55.5 83.3

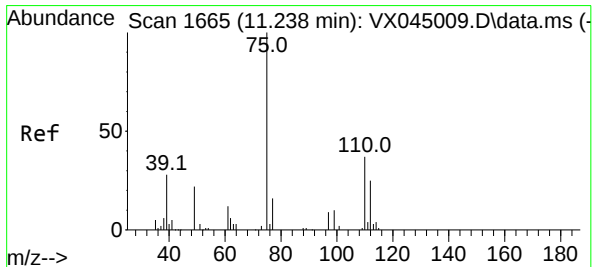
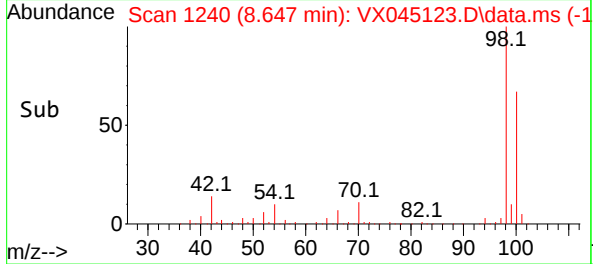
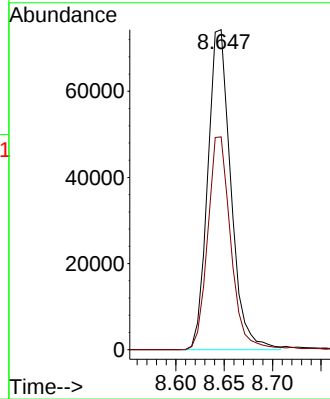
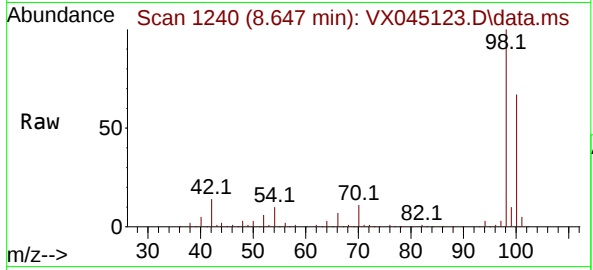




#63
Toluene-d8
Concen: 29.054 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

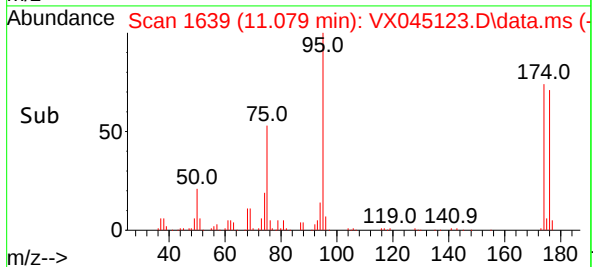
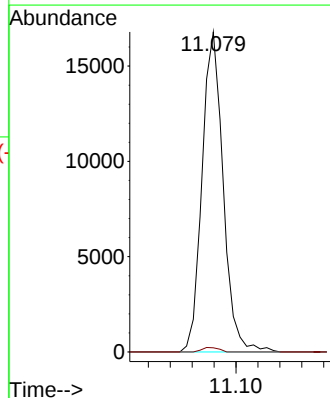
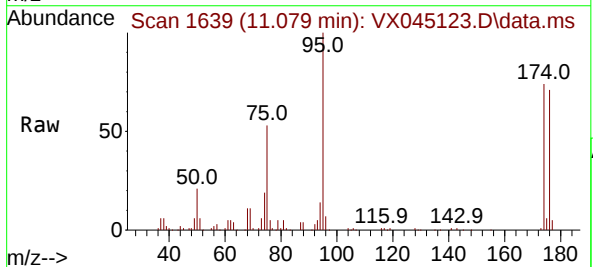
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

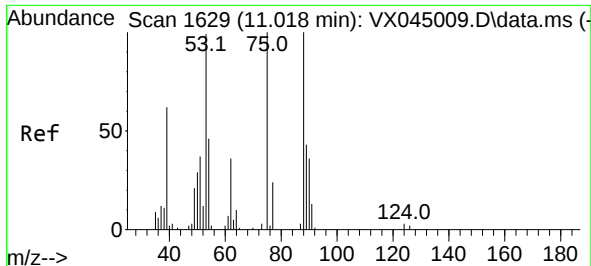
Tgt Ion: 98 Resp: 123881
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#72
1,2,3-Trichloropropane
Concen: 15.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 75 Resp: 22462
Ion Ratio Lower Upper
75 100
77 1.1 0.0 84.0

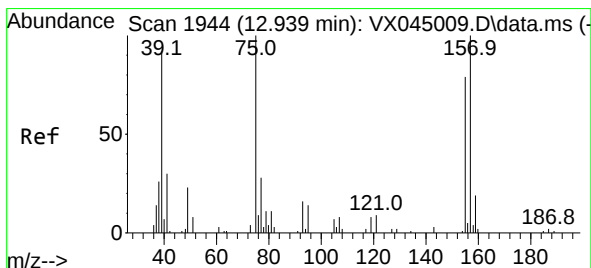
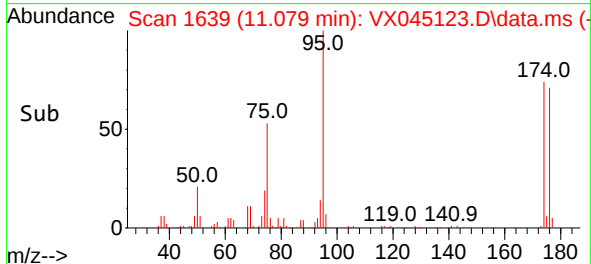
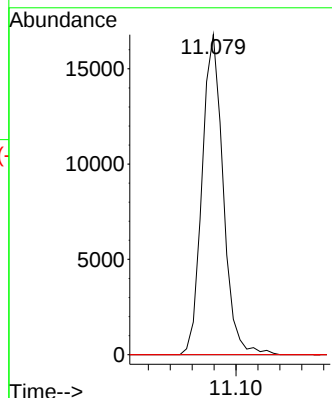
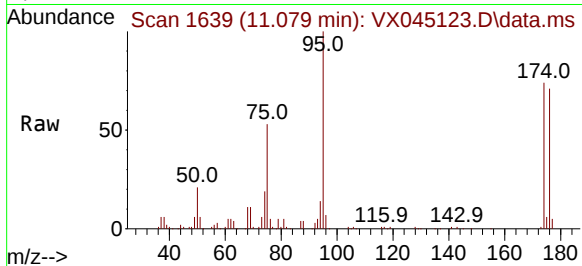




#77
t-1,4-Dichloro-2-butene
Concen: 46.812 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE WATER

Tgt Ion: 75 Resp: 22462
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.899 ug/l
RT: 12.866 min Scan# 1932
Delta R.T. -0.073 min
Lab File: VX045123.D
Acq: 04 Mar 2025 10:31

Tgt Ion: 75 Resp: 1309
Ion Ratio Lower Upper
75 100
155 0.0 66.2 99.4#
157 0.0 81.4 122.2#

