

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040775.D
 Acq On : 22 Mar 2024 13:12
 Operator : JC/MD
 Sample : P1835-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240320079-07

Quant Time: Mar 23 05:04:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

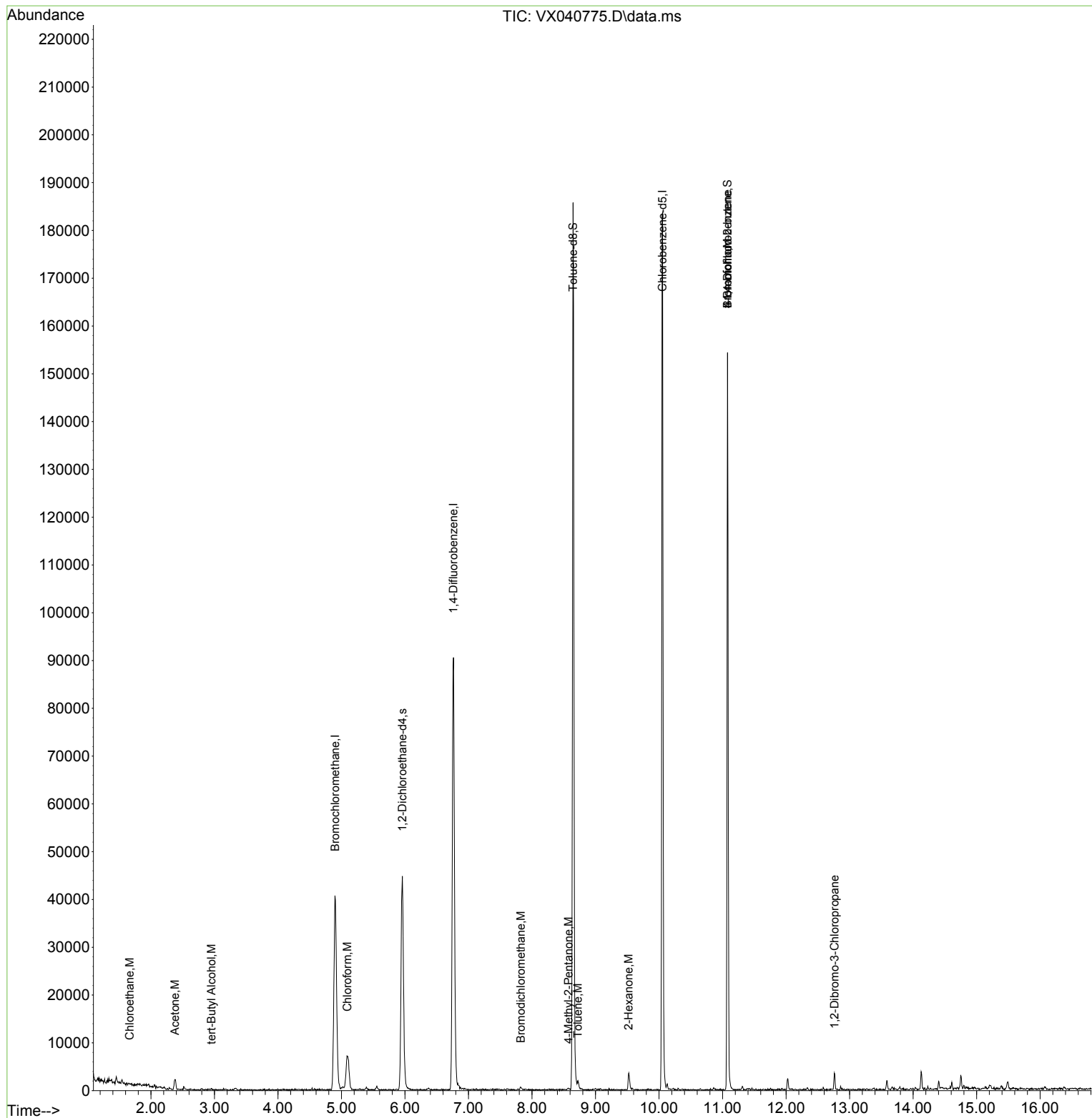
Internal Standards						
1) Bromochloromethane	4.898	128	15594	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85821	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79287	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45927	29.489	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.300%
60) 4-Bromofluorobenzene	11.079	95	37765	27.768	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.567%
63) Toluene-d8	8.647	98	106545	30.407	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	162	0.235	ug/l #	43
15) Acetone	2.380	58	713	4.135	ug/l	91
23) tert-Butyl Alcohol	2.953	59	188	0.660	ug/l #	100
25) Chloroform	5.093	83	9374	4.337	ug/l	92
41) Bromodichloromethane	7.824	83	368	0.231	ug/l #	95
56) Bromoform	11.079	173	285	0.331	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	514	0.291	ug/l #	45
59) 2-Hexanone	9.519	43	625	0.438	ug/l #	2
62) Toluene	8.720	91	946	0.217	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	21427	45.195	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	12.762	75	141	0.311	ug/l #	7

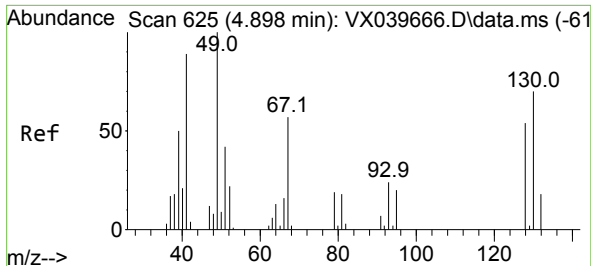
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040775.D
Acq On : 22 Mar 2024 13:12
Operator : JC/MD
Sample : P1835-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240320079-07

Quant Time: Mar 23 05:04:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Mar 05 13:21:29 2024
Response via : Initial Calibration

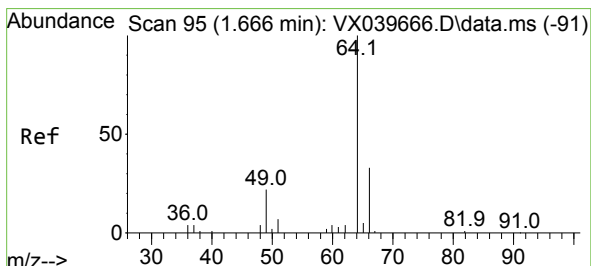
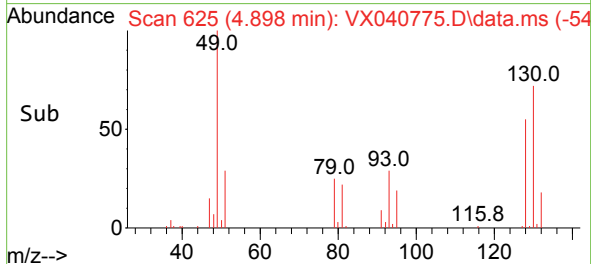
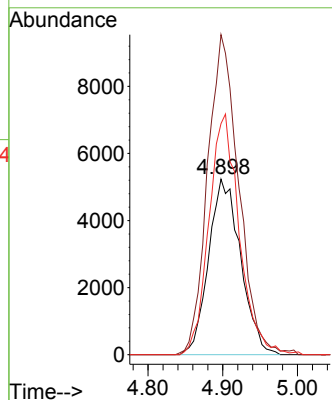
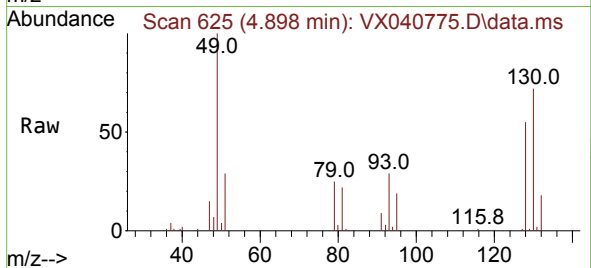




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

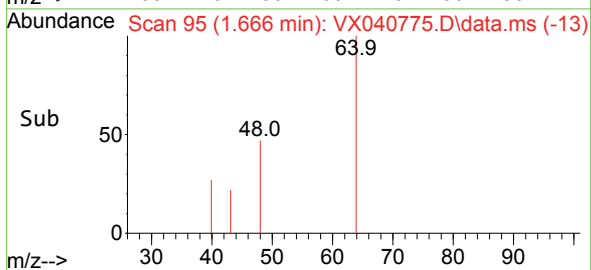
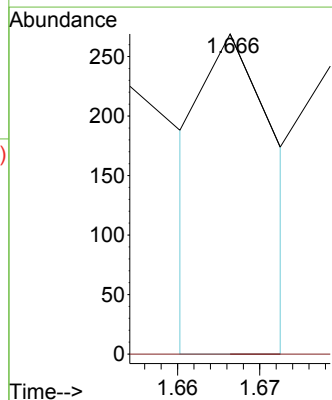
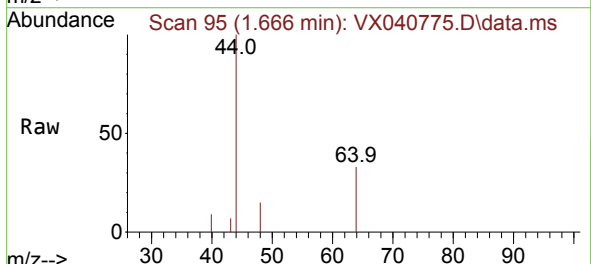
Instrument :
MSVOA_X
ClientSampleId :
240320079-07

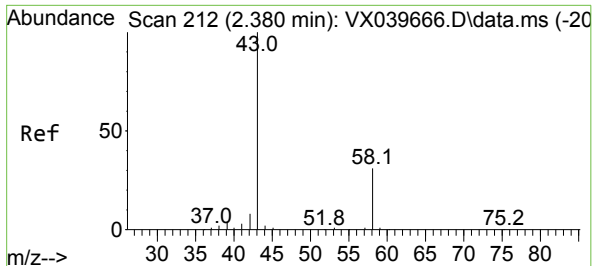
Tgt Ion:128 Resp: 15594
Ion Ratio Lower Upper
128 100
49 176.7 0.0 444.0
130 128.6 0.0 297.8



#6
Chloroethane
Concen: 0.235 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

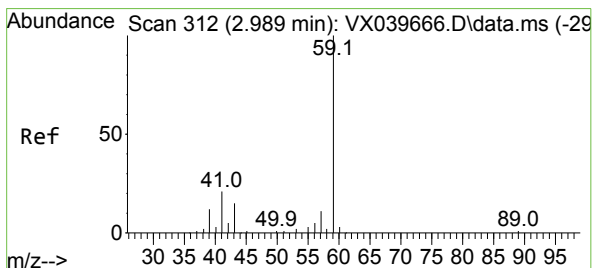
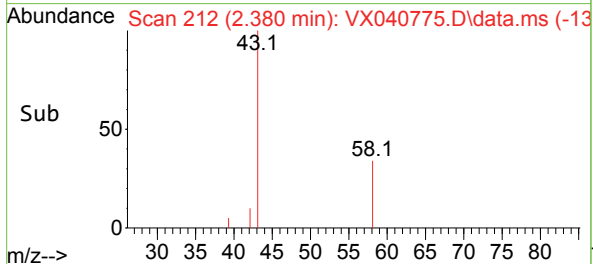
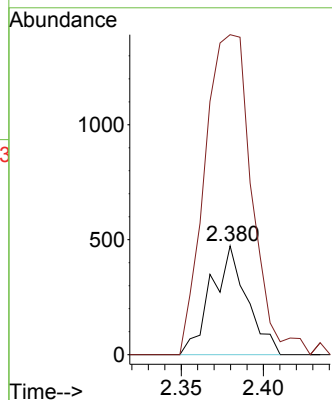
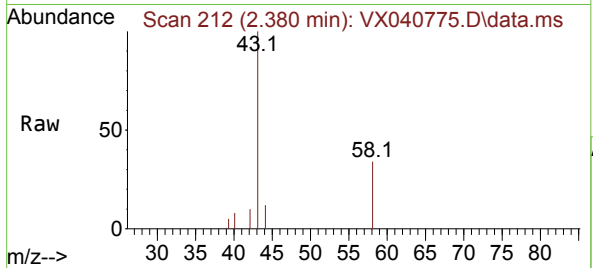




#15
Acetone
Concen: 4.135 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

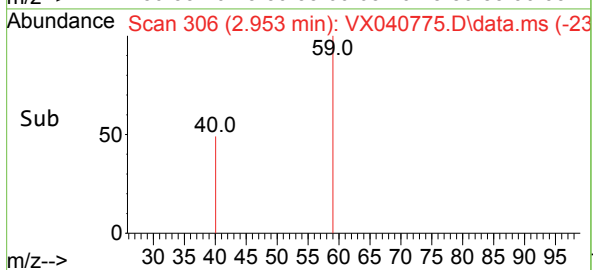
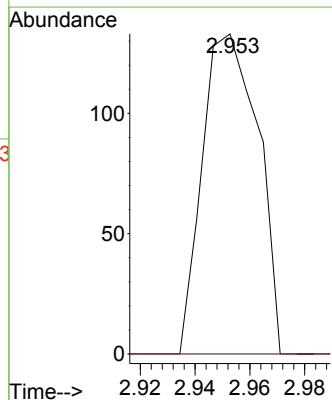
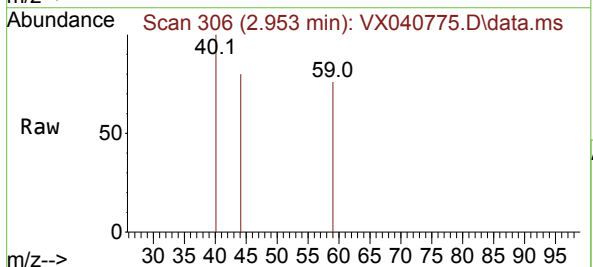
Instrument :
MSVOA_X
ClientSampleId :
240320079-07

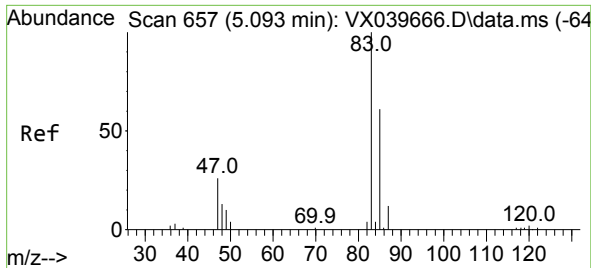
Tgt Ion: 58 Resp: 713
Ion Ratio Lower Upper
58 100
43 294.3 249.9 374.9



#23
tert-Butyl Alcohol
Concen: 0.660 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

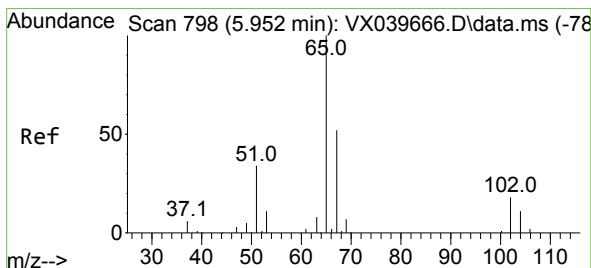
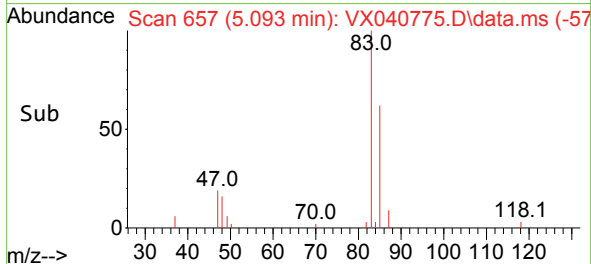
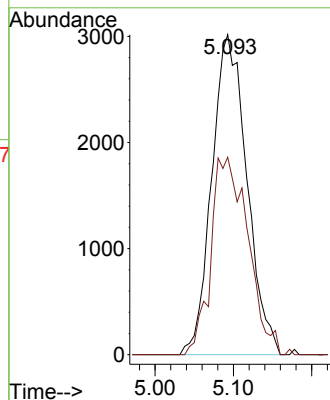
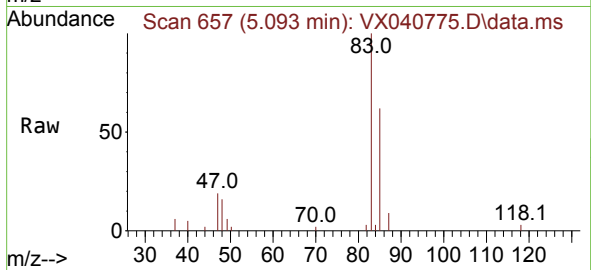




#25
Chloroform
Concen: 4.337 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

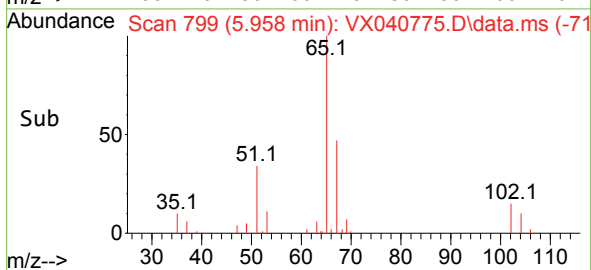
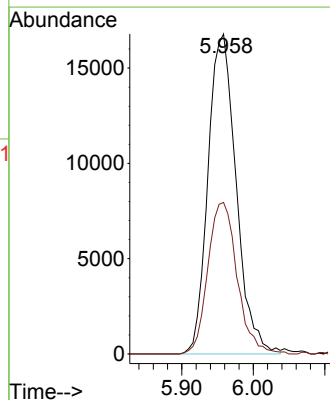
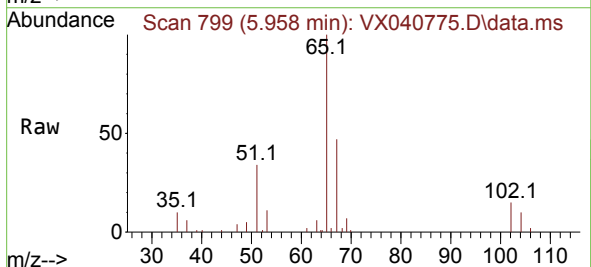
Instrument :
MSVOA_X
ClientSampleId :
240320079-07

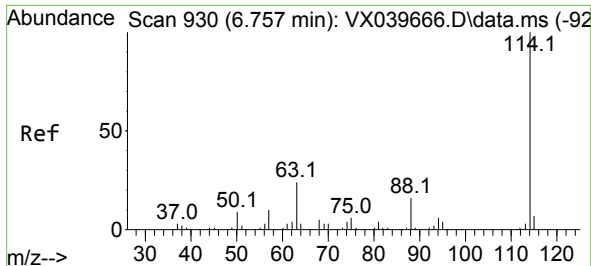
Tgt Ion: 83 Resp: 9374
Ion Ratio Lower Upper
83 100
85 61.7 54.6 81.8



#27
1,2-Dichloroethane-d4
Concen: 29.489 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

Tgt Ion: 65 Resp: 45927
Ion Ratio Lower Upper
65 100
67 49.2 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040775.D

Acq: 22 Mar 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

240320079-07

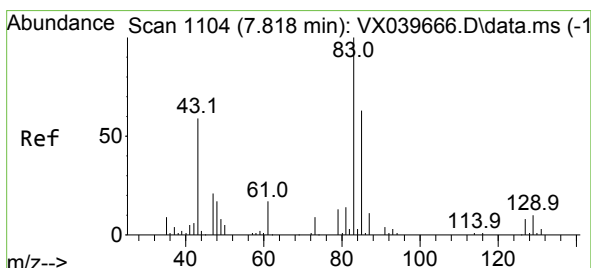
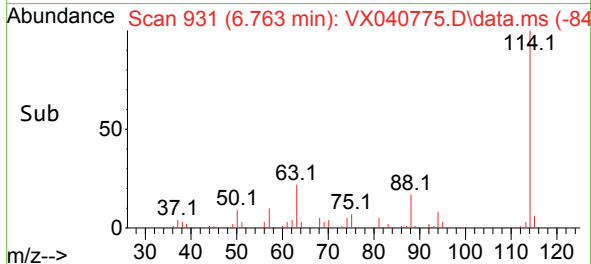
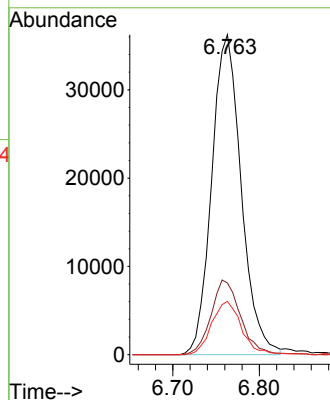
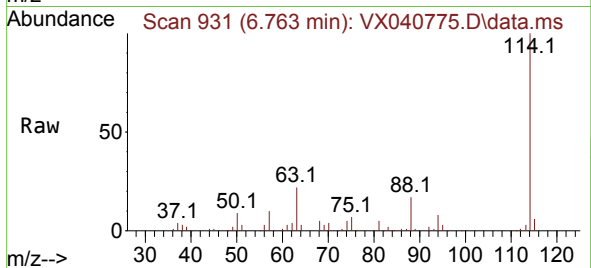
Tgt Ion:114 Resp: 85821

Ion Ratio Lower Upper

114 100

63 23.4 17.0 25.4

88 16.9 12.7 19.1



#41

Bromodichloromethane

Concen: 0.231 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX040775.D

Acq: 22 Mar 2024 13:12

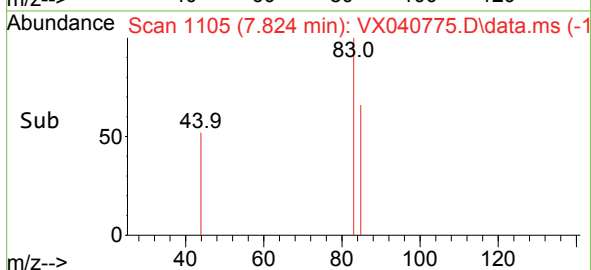
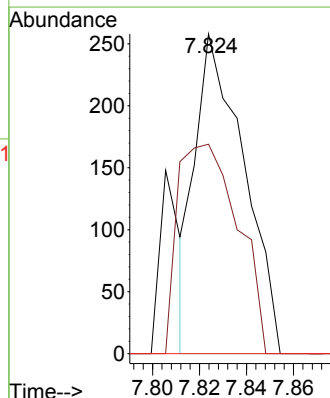
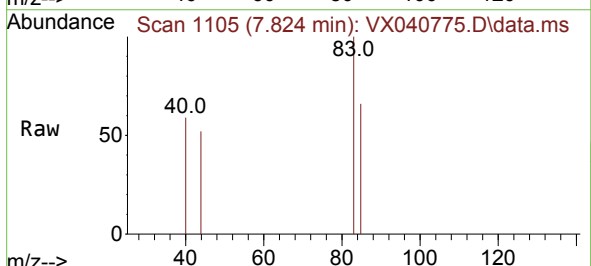
Tgt Ion: 83 Resp: 368

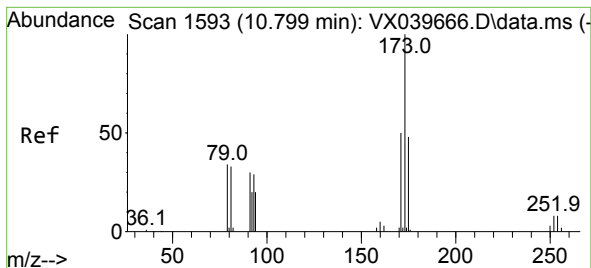
Ion Ratio Lower Upper

83 100

85 65.5 50.8 76.2

127 0.0 5.9 8.9#





#56

Bromoform

Concen: 0.331 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX040775.D

Acq: 22 Mar 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

240320079-07

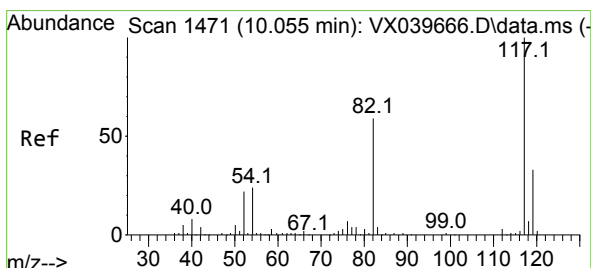
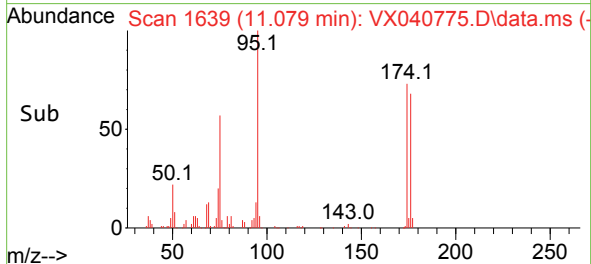
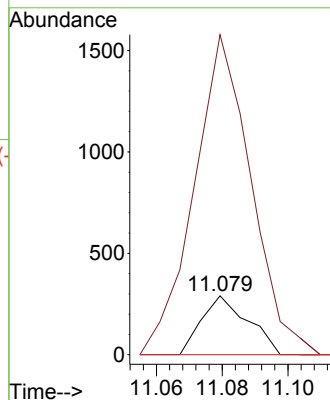
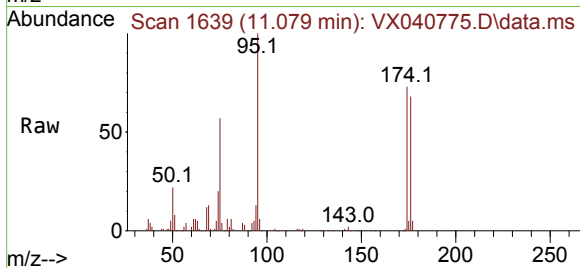
Tgt Ion:173 Resp: 285

Ion Ratio Lower Upper

173 100

175 668.1 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040775.D

Acq: 22 Mar 2024 13:12

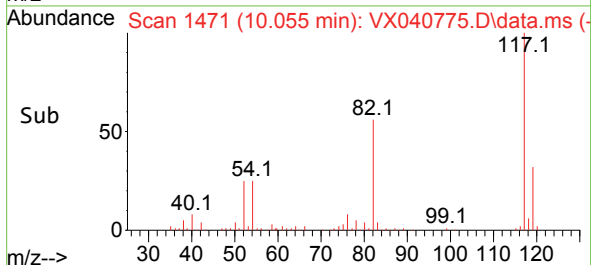
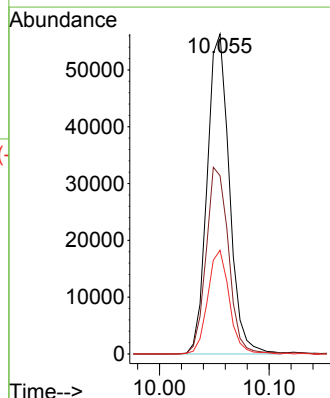
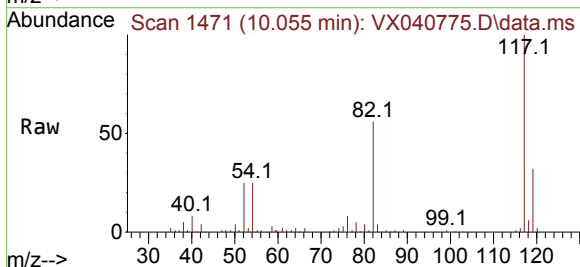
Tgt Ion:117 Resp: 79287

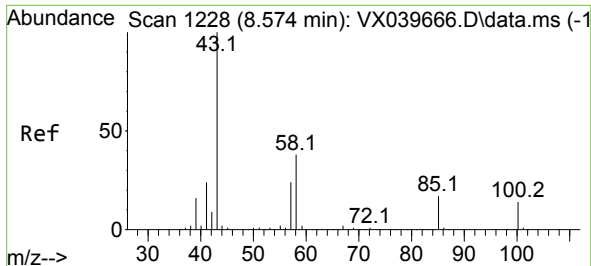
Ion Ratio Lower Upper

117 100

82 58.7 47.0 70.6

119 31.5 25.2 37.8

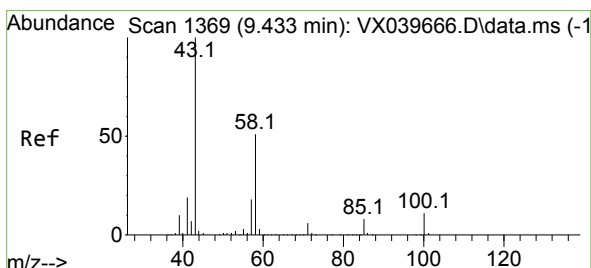
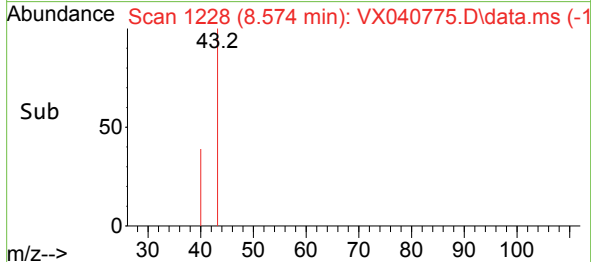
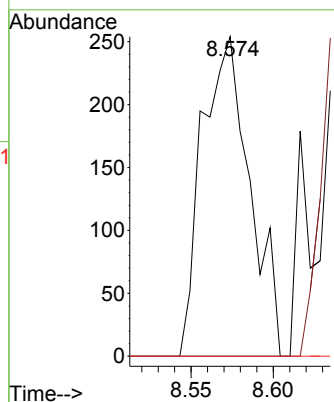
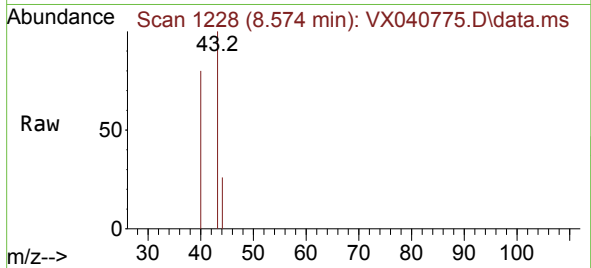




#58
 4-Methyl-2-Pentanone
 Concen: 0.291 ug/l
 RT: 8.574 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040775.D
 Acq: 22 Mar 2024 13:12

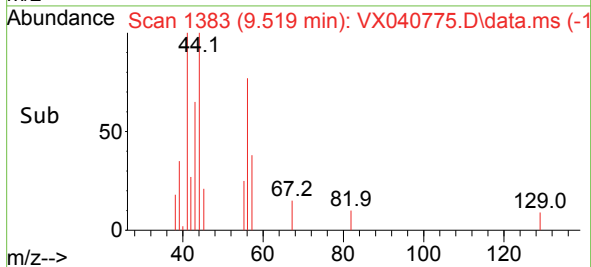
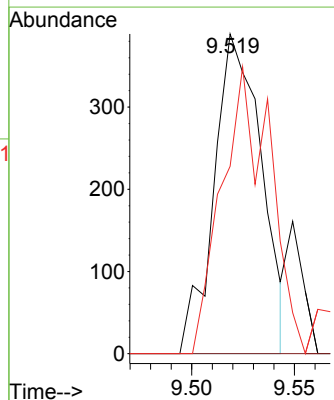
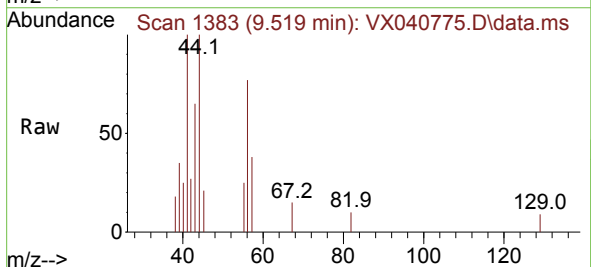
Instrument :
 MSVOA_X
 ClientSampleId :
 240320079-07

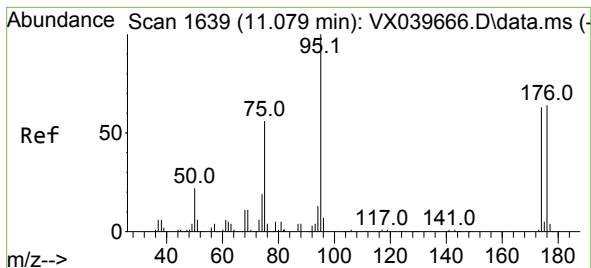
Tgt Ion: 43	Resp:	514
Ion	Ratio	Lower Upper
43	100	
58	0.0	30.1 45.1#
85	0.0	13.9 20.9#



#59
 2-Hexanone
 Concen: 0.438 ug/l
 RT: 9.519 min Scan# 1383
 Delta R.T. 0.086 min
 Lab File: VX040775.D
 Acq: 22 Mar 2024 13:12

Tgt Ion: 43	Resp:	625
Ion	Ratio	Lower Upper
43	100	
58	0.0	42.7 64.1#
57	91.2	14.8 22.2#

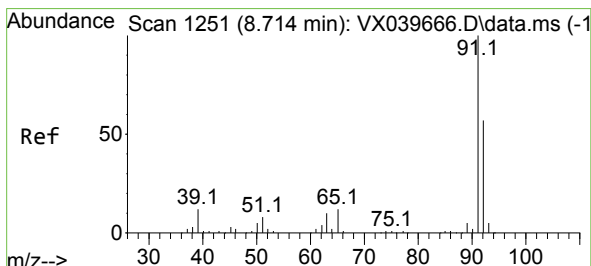
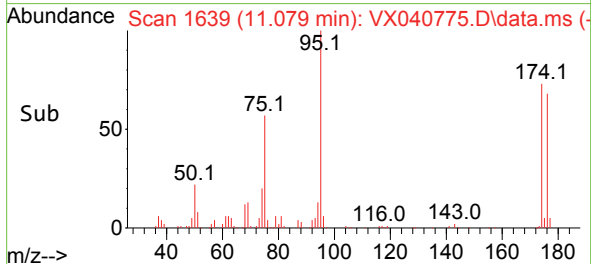
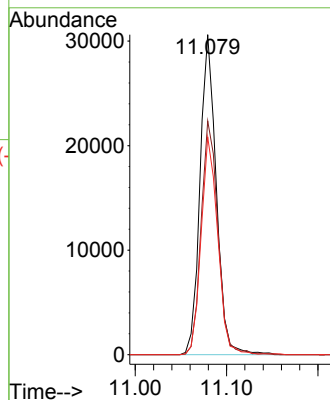
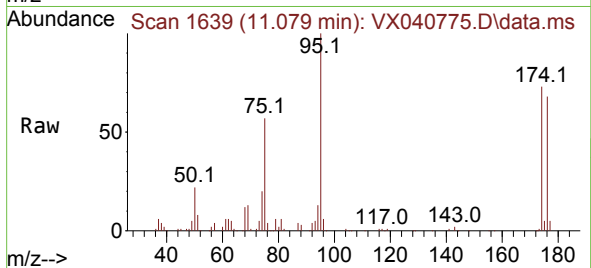




#60
4-Bromofluorobenzene
Concen: 27.768 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

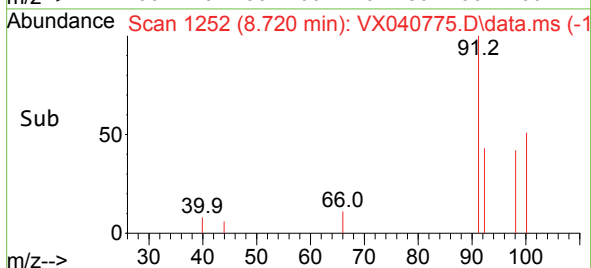
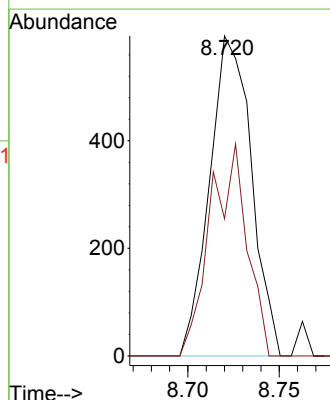
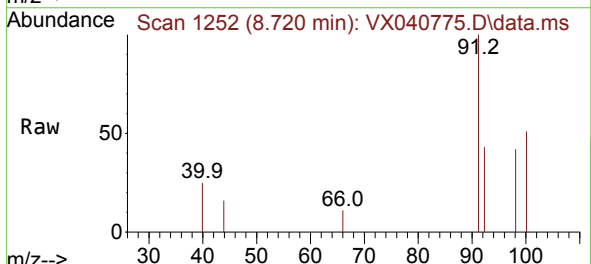
Instrument :
MSVOA_X
ClientSampleId :
240320079-07

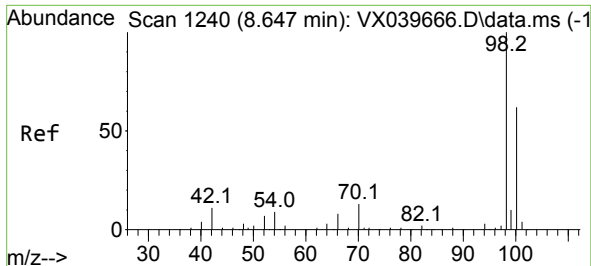
Tgt Ion: 95 Resp: 37765
Ion Ratio Lower Upper
95 100
174 75.6 55.4 83.2
176 69.6 52.6 78.8



#62
Toluene
Concen: 0.217 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

Tgt Ion: 91 Resp: 946
Ion Ratio Lower Upper
91 100
92 58.2 45.9 68.9

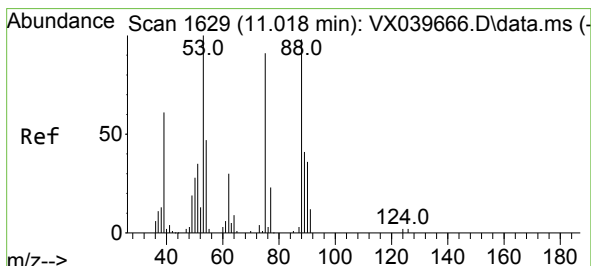
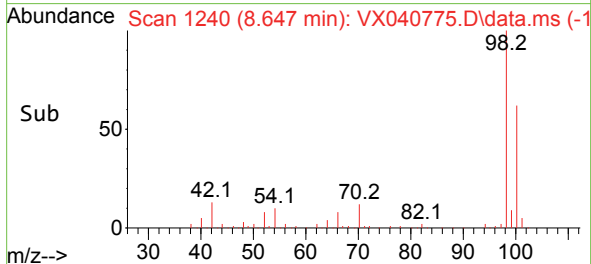
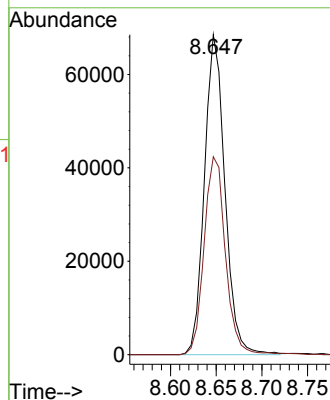
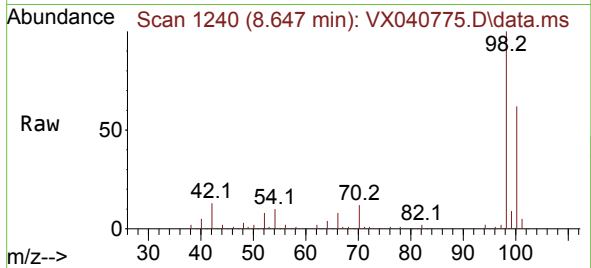




#63
Toluene-d8
Concen: 30.407 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

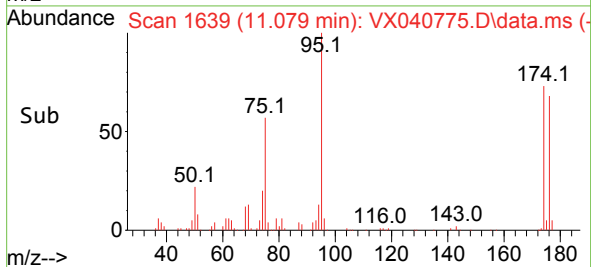
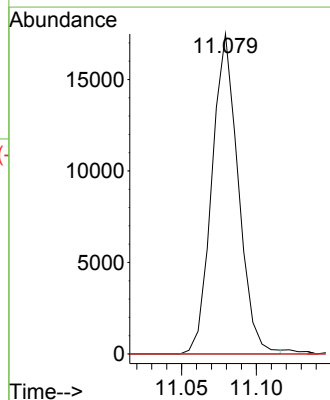
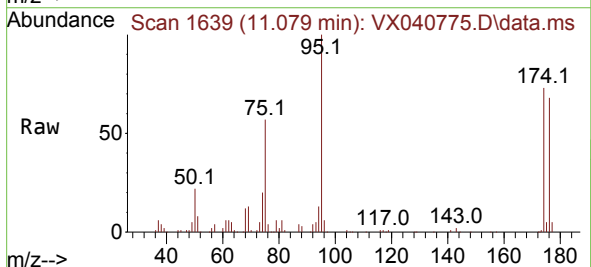
Instrument :
MSVOA_X
ClientSampleId :
240320079-07

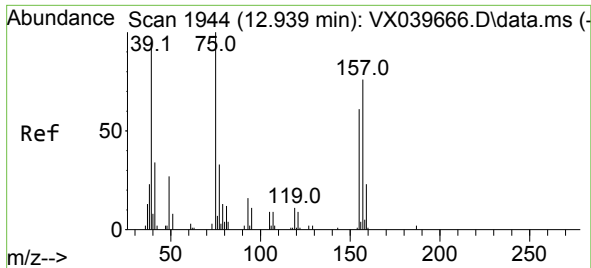
Tgt Ion: 98 Resp: 106545
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 45.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

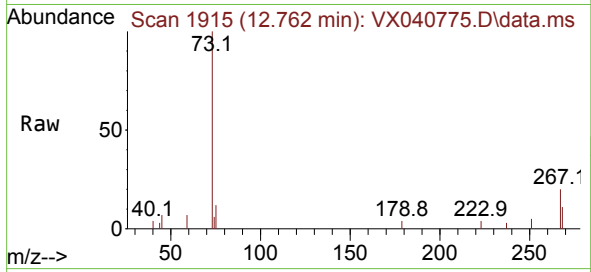
Tgt Ion: 75 Resp: 21427
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#





#88
1,2-Dibromo-3-Chloropropane
Concen: 0.311 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.177 min
Lab File: VX040775.D
Acq: 22 Mar 2024 13:12

Instrument :
MSVOA_X
ClientSampleId :
240320079-07



Tgt Ion: 75 Resp: 141
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.4#
157 0.0 76.5 114.7#

