

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042006.D
 Acq On : 24 Jun 2024 15:53
 Operator : JC/MD
 Sample : P3030-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240620002-11-TRIP-BLANK

Quant Time: Jun 25 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

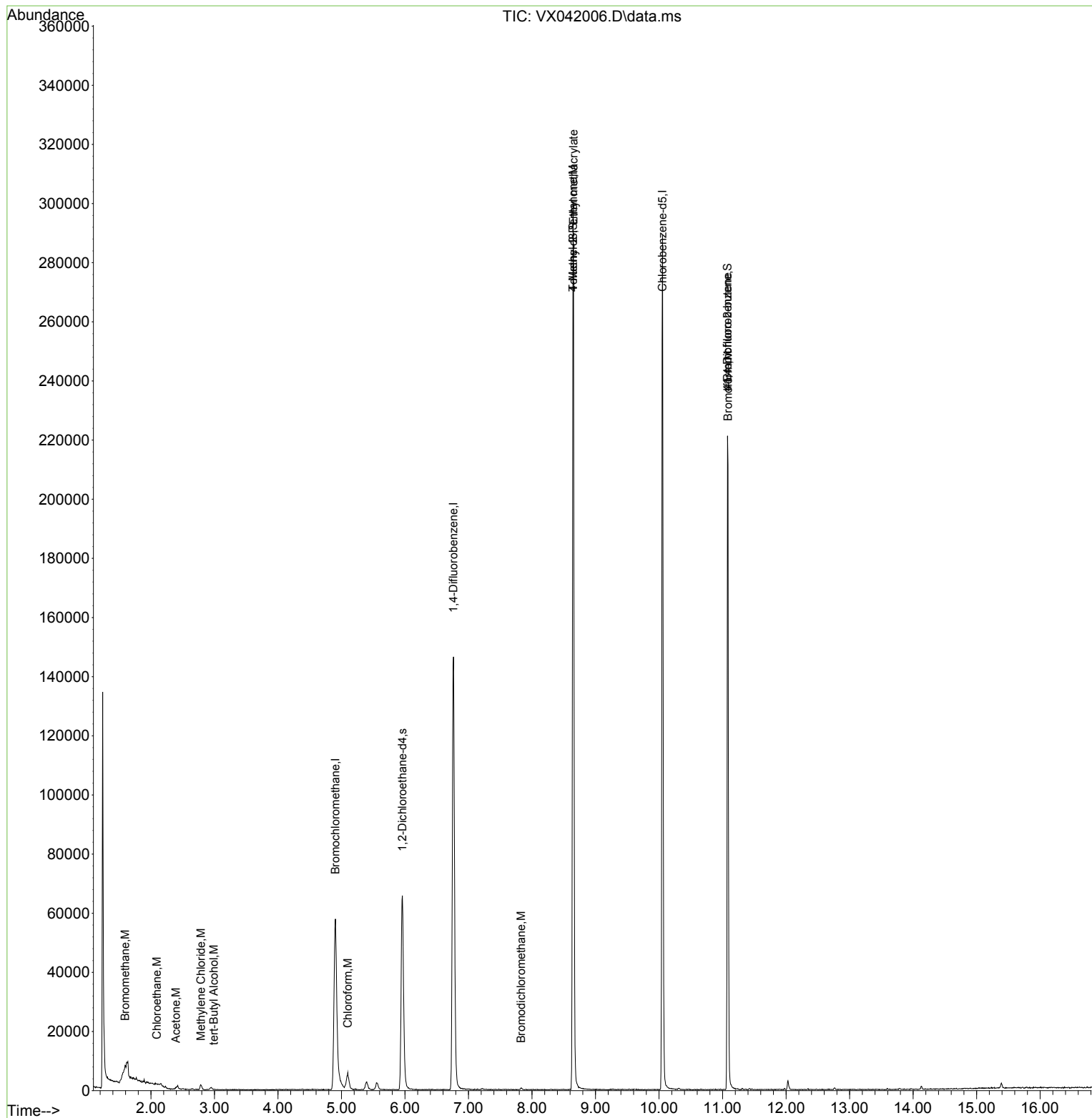
Internal Standards						
1) Bromochloromethane	4.904	128	29849	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	162266	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144451	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62254	30.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.000%			
60) 4-Bromofluorobenzene	11.079	95	59788	26.739	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.133%			
63) Toluene-d8	8.647	98	186949	30.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	497	0.440	ug/l #	69
6) Chloroethane	2.093	64	229	0.254	ug/l	99
15) Acetone	2.392	58	235	0.744	ug/l #	45
18) Methylene Chloride	2.788	84	1016	0.486	ug/l #	78
23) tert-Butyl Alcohol	2.989	59	150	0.365	ug/l #	100
25) Chloroform	5.099	83	6639	2.008	ug/l	95
41) Bromodichloromethane	7.830	83	546	0.245	ug/l #	89
51) Ethyl methacrylate	8.653	69	603	0.210	ug/l #	78
56) Bromoform	11.085	173	413	0.256	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	668	0.258	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27154	32.496	ug/l #	7

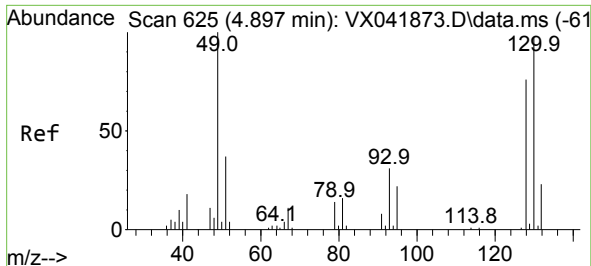
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
Data File : VX042006.D
Acq On : 24 Jun 2024 15:53
Operator : JC/MD
Sample : P3030-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

Quant Time: Jun 25 06:44:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration

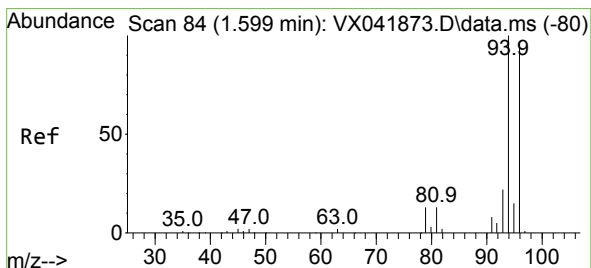
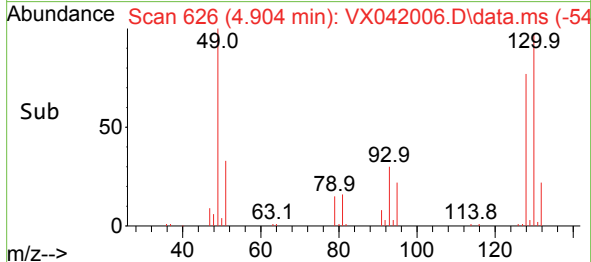
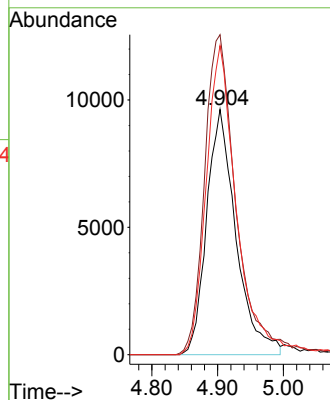
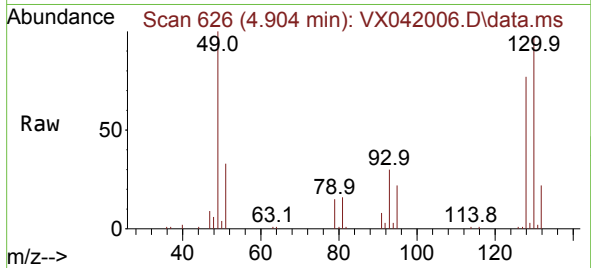




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

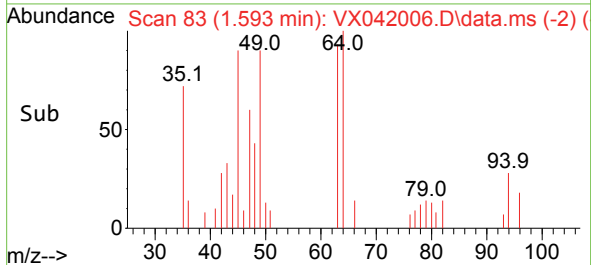
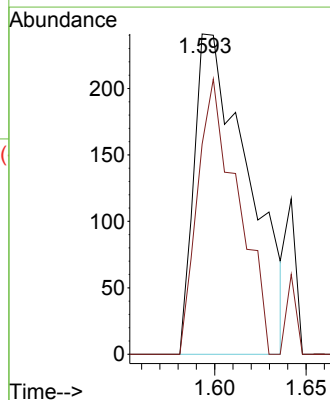
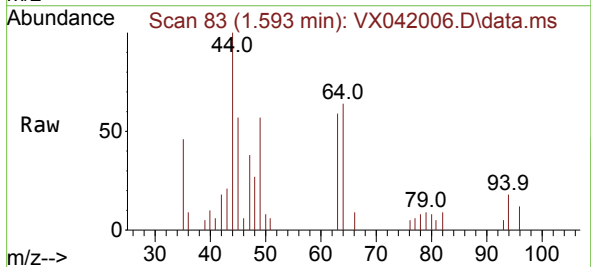
Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

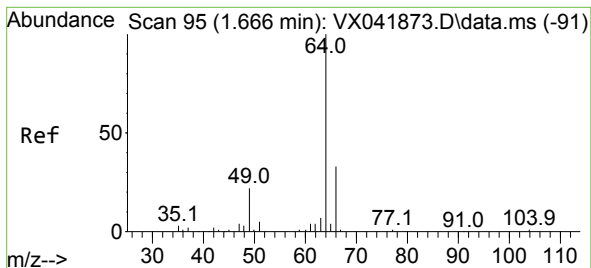
Tgt Ion:128 Resp: 29849
Ion Ratio Lower Upper
128 100
49 137.3 0.0 338.5
130 128.4 0.0 324.5



#5
Bromomethane
Concen: 0.440 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 65.6 76.6 115.0#





#6

Chloroethane

Concen: 0.254 ug/l

RT: 2.093 min Scan# 1

Delta R.T. 0.427 min

Lab File: VX042006.D

Acq: 24 Jun 2024 15:53

Instrument :

MSVOA_X

ClientSampleId :

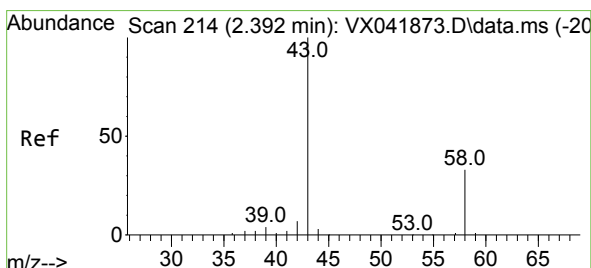
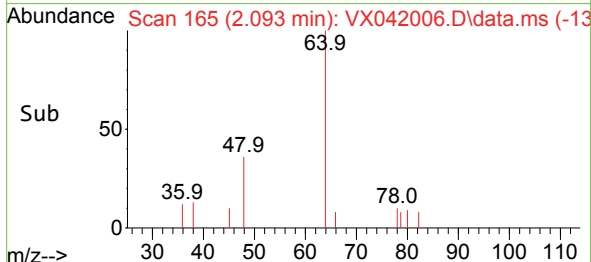
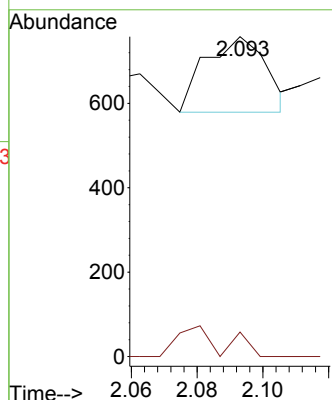
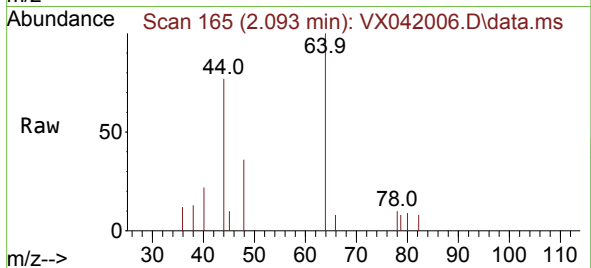
240620002-11-TRIP-BLANK

Tgt Ion: 64 Resp: 229

Ion Ratio Lower Upper

64 100

66 32.4 26.4 39.6



#15

Acetone

Concen: 0.744 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX042006.D

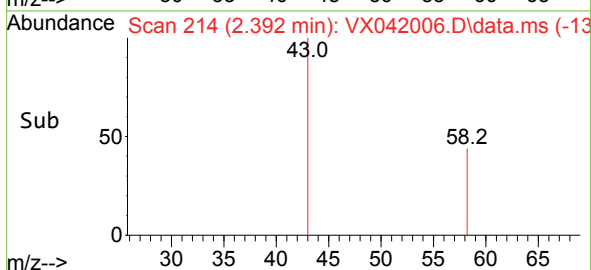
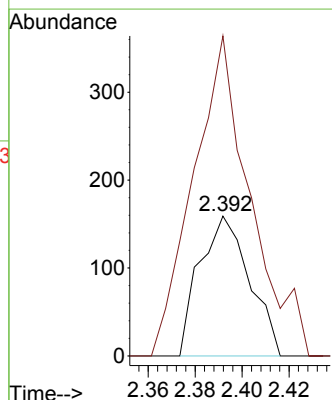
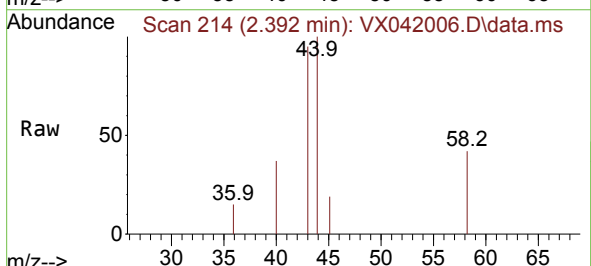
Acq: 24 Jun 2024 15:53

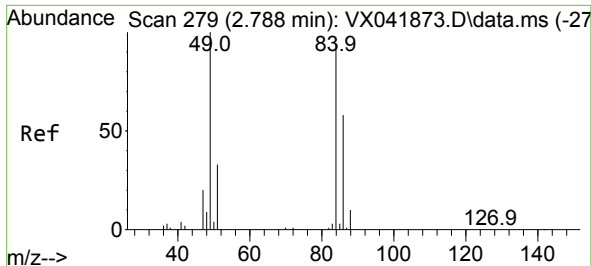
Tgt Ion: 58 Resp: 235

Ion Ratio Lower Upper

58 100

43 195.0 243.4 365.2#

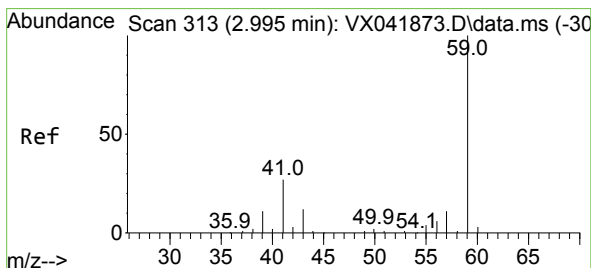
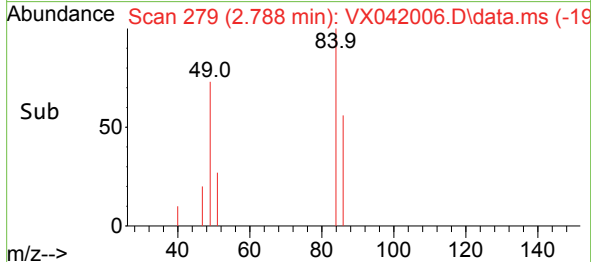
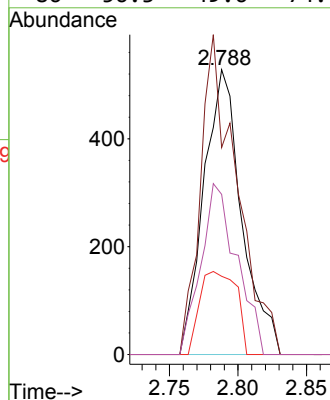
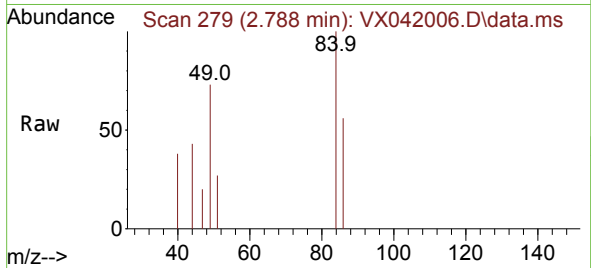




#18
Methylene Chloride
Concen: 0.486 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

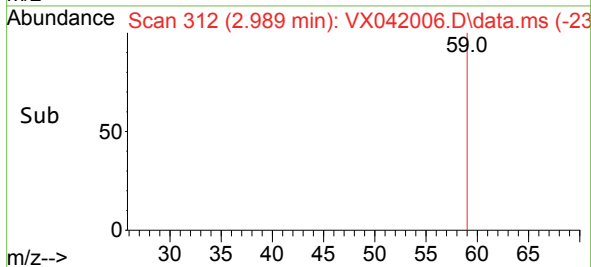
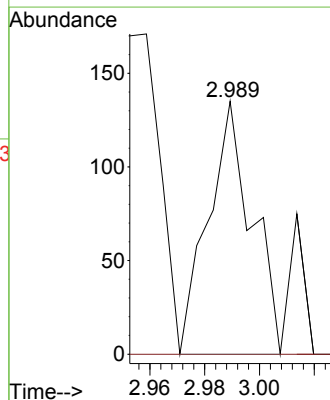
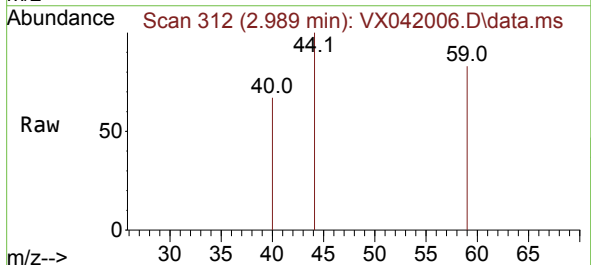
Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

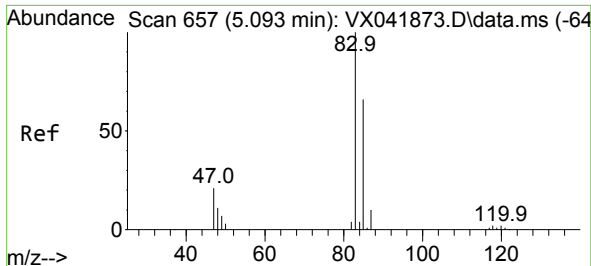
Tgt Ion:	84	Resp:	1016
Ion	Ratio	Lower	Upper
84	100		
49	72.7	85.3	127.9#
51	27.5	28.5	42.7#
86	56.3	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 0.365 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

Tgt Ion:	59	Resp:	150
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

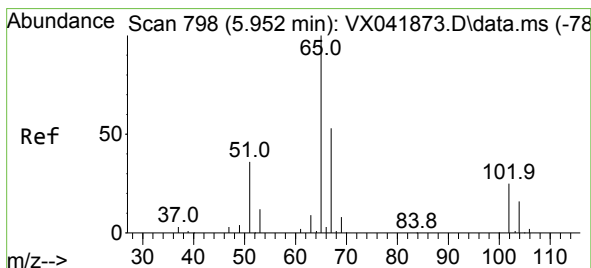
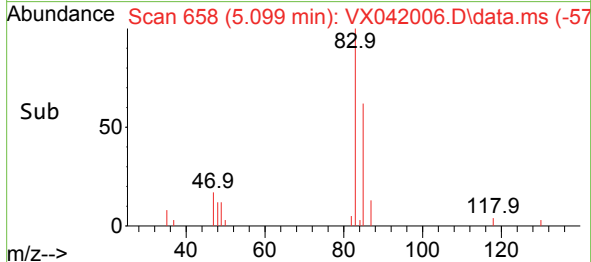
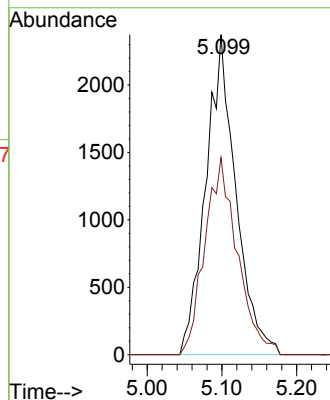
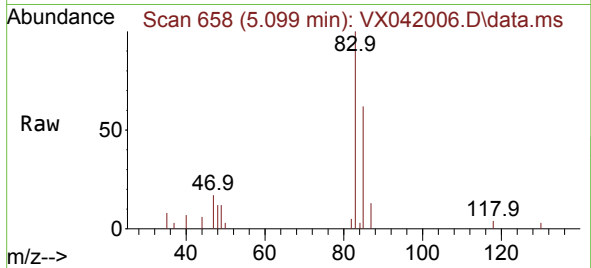




#25
Chloroform
Concen: 2.008 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

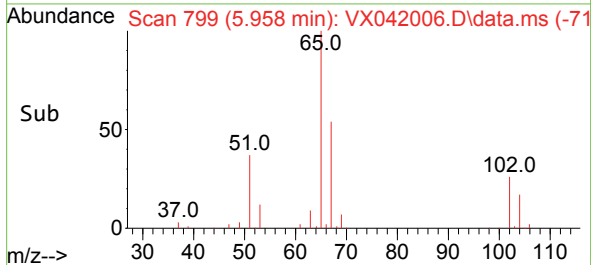
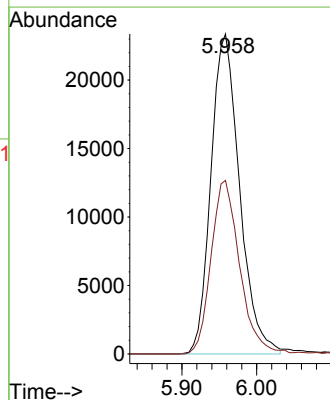
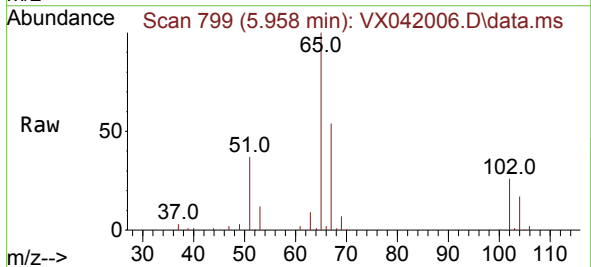
Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

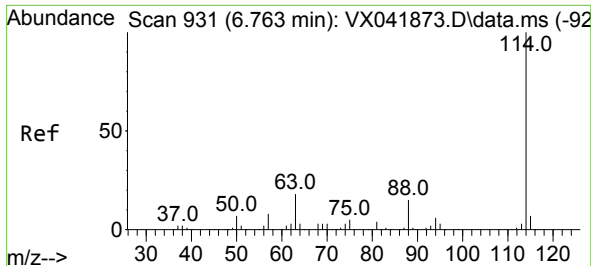
Tgt Ion: 83 Resp: 6639
Ion Ratio Lower Upper
83 100
85 61.6 52.7 79.1



#27
1,2-Dichloroethane-d4
Concen: 30.297 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

Tgt Ion: 65 Resp: 62254
Ion Ratio Lower Upper
65 100
67 53.9 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX042006.D

Acq: 24 Jun 2024 15:53

Instrument :

MSVOA_X

ClientSampleId :

240620002-11-TRIP-BLANK

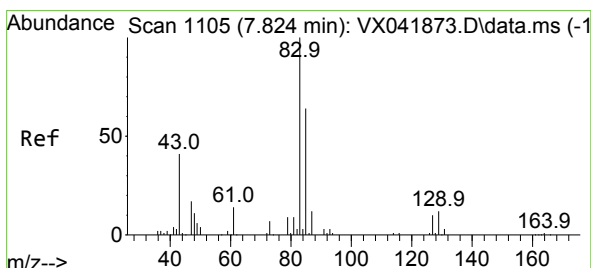
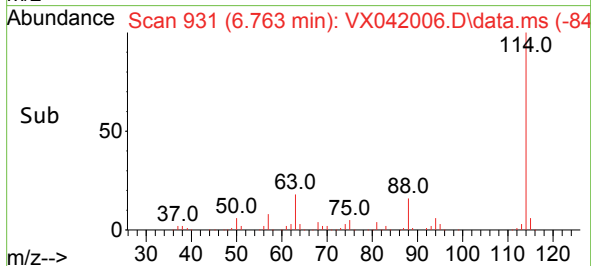
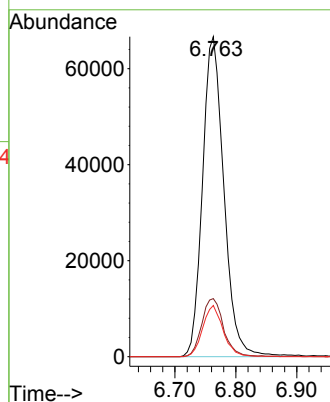
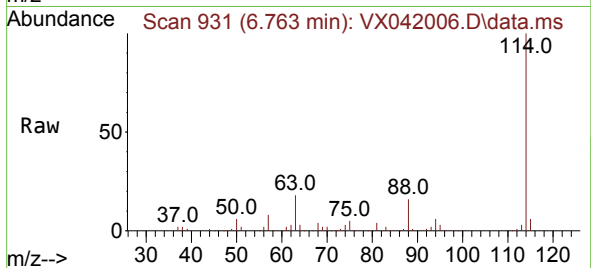
Tgt Ion:114 Resp: 162266

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

88 15.3 11.8 17.8



#41

Bromodichloromethane

Concen: 0.245 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX042006.D

Acq: 24 Jun 2024 15:53

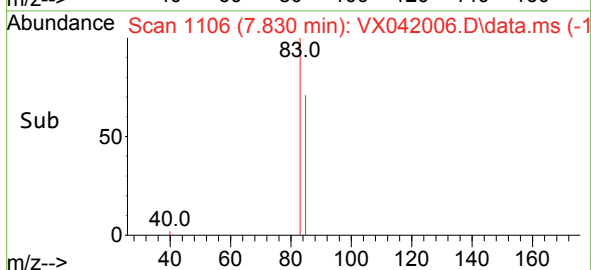
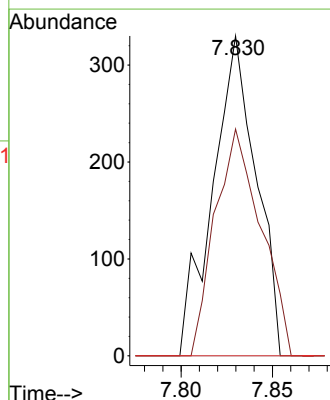
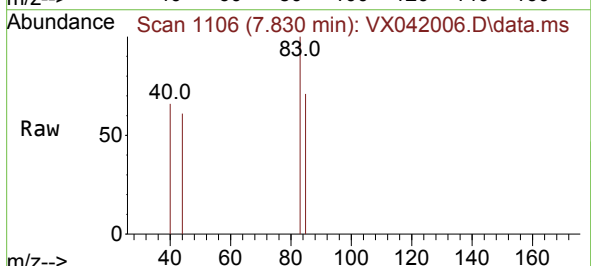
Tgt Ion: 83 Resp: 546

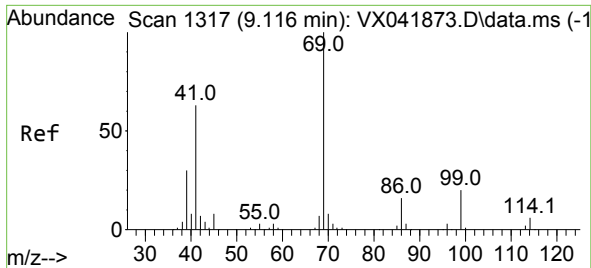
Ion Ratio Lower Upper

83 100

85 70.9 51.1 76.7

127 0.0 8.1 12.1#

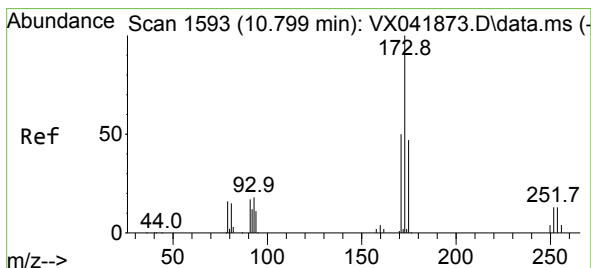
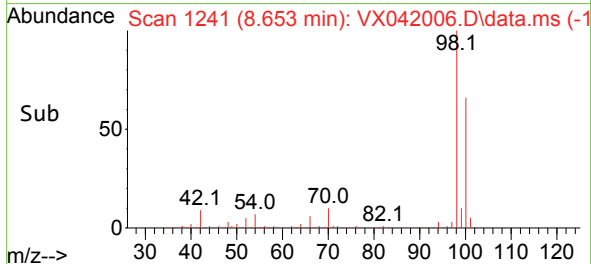
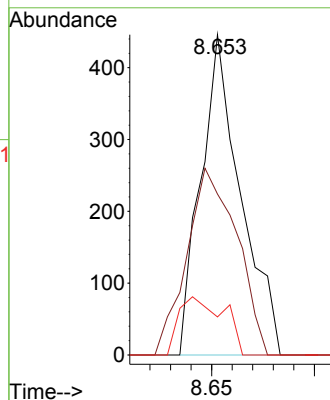
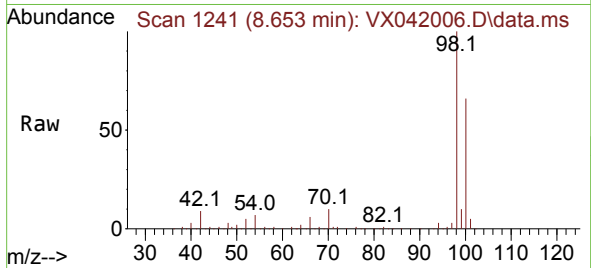




#51
Ethyl methacrylate
Concen: 0.210 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

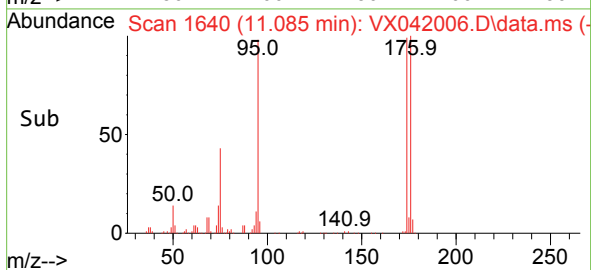
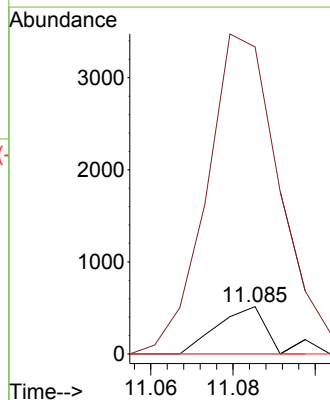
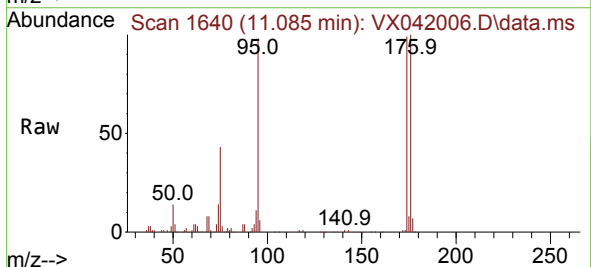
Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

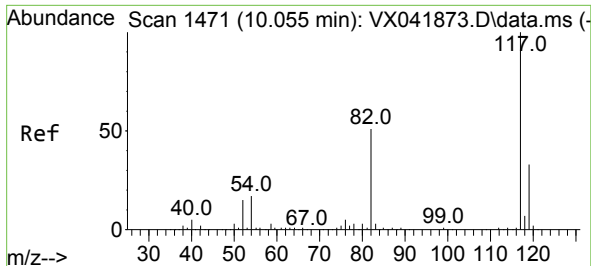
Tgt Ion: 69 Resp: 603
Ion Ratio Lower Upper
69 100
41 50.2 31.6 94.7
39 11.9 15.3 45.8#



#56
Bromoform
Concen: 0.256 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

Tgt Ion: 173 Resp: 413
Ion Ratio Lower Upper
173 100
175 1045.5 39.3 58.9#
254 0.0 9.6 14.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. 0.000 min

Lab File: VX042006.D

Acq: 24 Jun 2024 15:53

Instrument :

MSVOA_X

ClientSampleId :

240620002-11-TRIP-BLANK

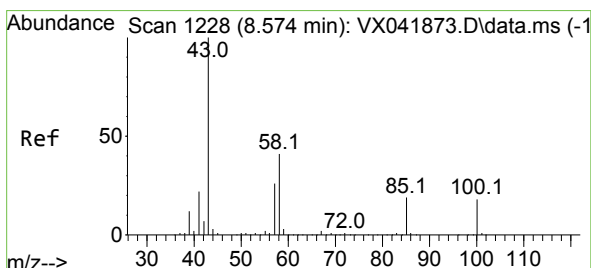
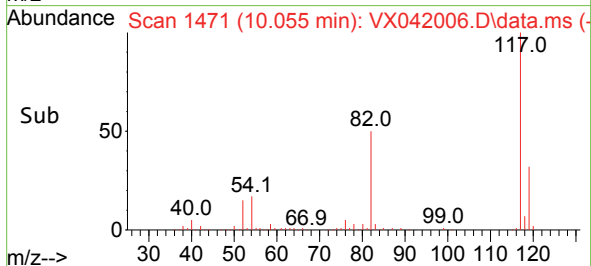
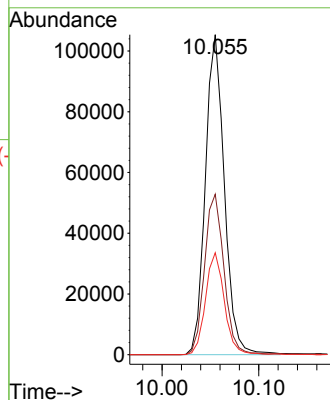
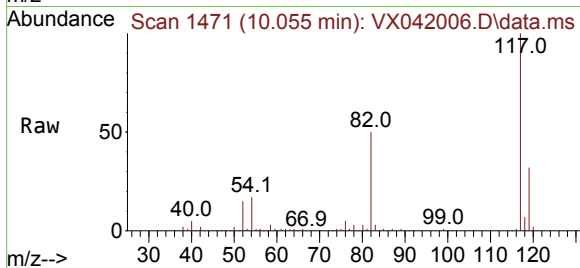
Tgt Ion:117 Resp: 144451

Ion Ratio Lower Upper

117 100

82 51.3 41.1 61.7

119 31.5 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX042006.D

Acq: 24 Jun 2024 15:53

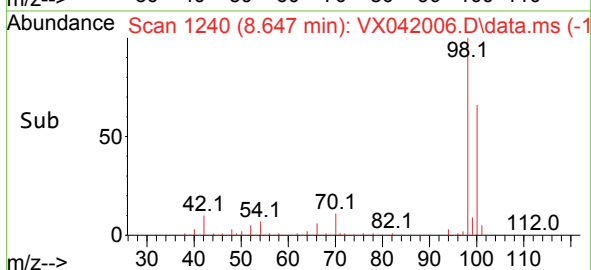
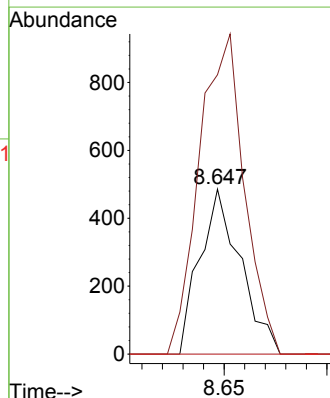
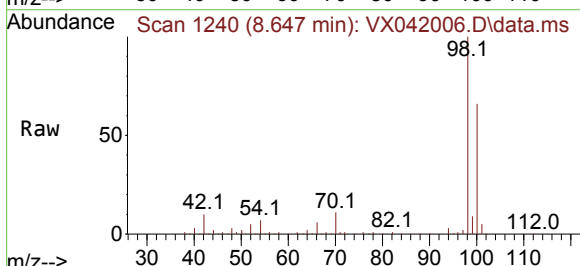
Tgt Ion: 43 Resp: 668

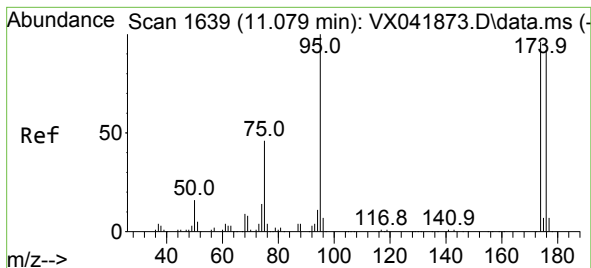
Ion Ratio Lower Upper

43 100

58 215.0 33.2 49.8#

85 0.0 15.5 23.3#

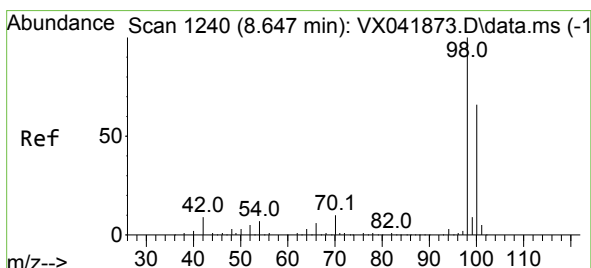
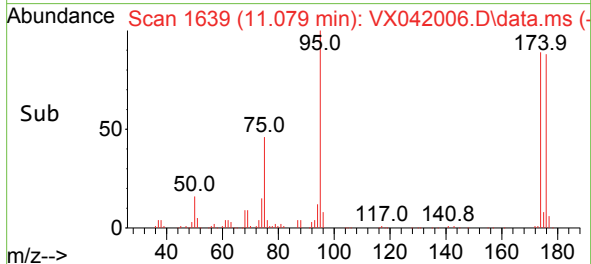
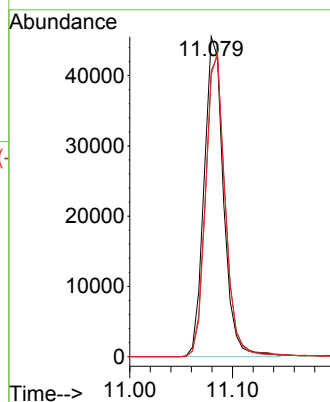
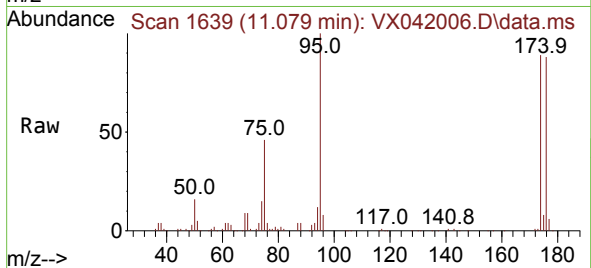




#60
4-Bromofluorobenzene
Concen: 26.739 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

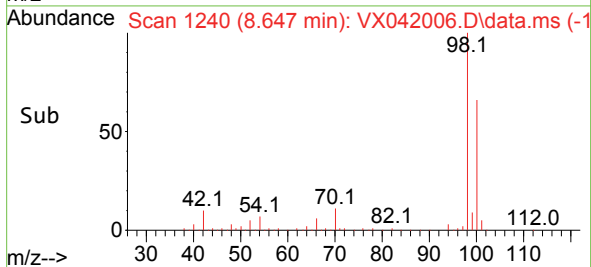
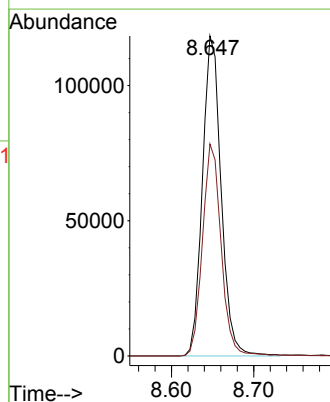
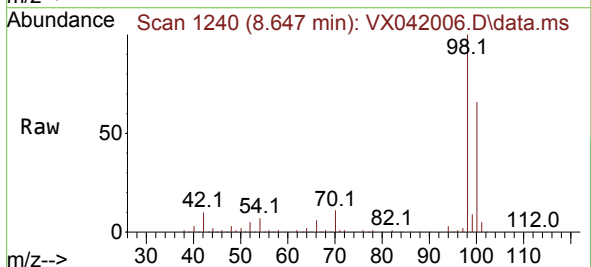
Instrument :
MSVOA_X
ClientSampleId :
240620002-11-TRIP-BLANK

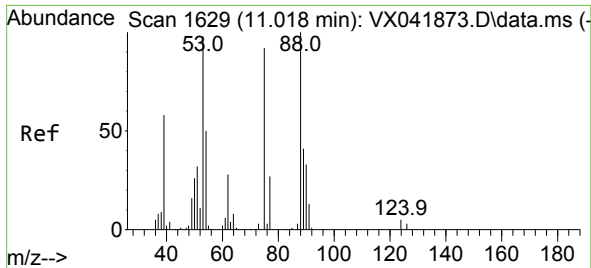
Tgt Ion: 95 Resp: 59788
Ion Ratio Lower Upper
95 100
174 96.7 78.9 118.3
176 94.8 77.1 115.7



#63
Toluene-d8
Concen: 30.250 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042006.D
Acq: 24 Jun 2024 15:53

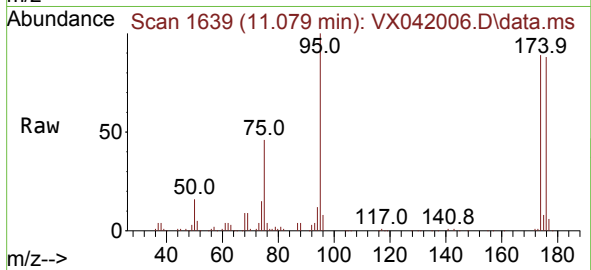
Tgt Ion: 98 Resp: 186949
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.496 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042006.D
 Acq: 24 Jun 2024 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 240620002-11-TRIP-BLANK



Tgt Ion: 75 Resp: 27154
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

