

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041884.D
 Acq On : 14 Jun 2024 17:48
 Operator : JC/MD
 Sample : P2893-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20240613

Quant Time: Jun 15 04:14:22 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

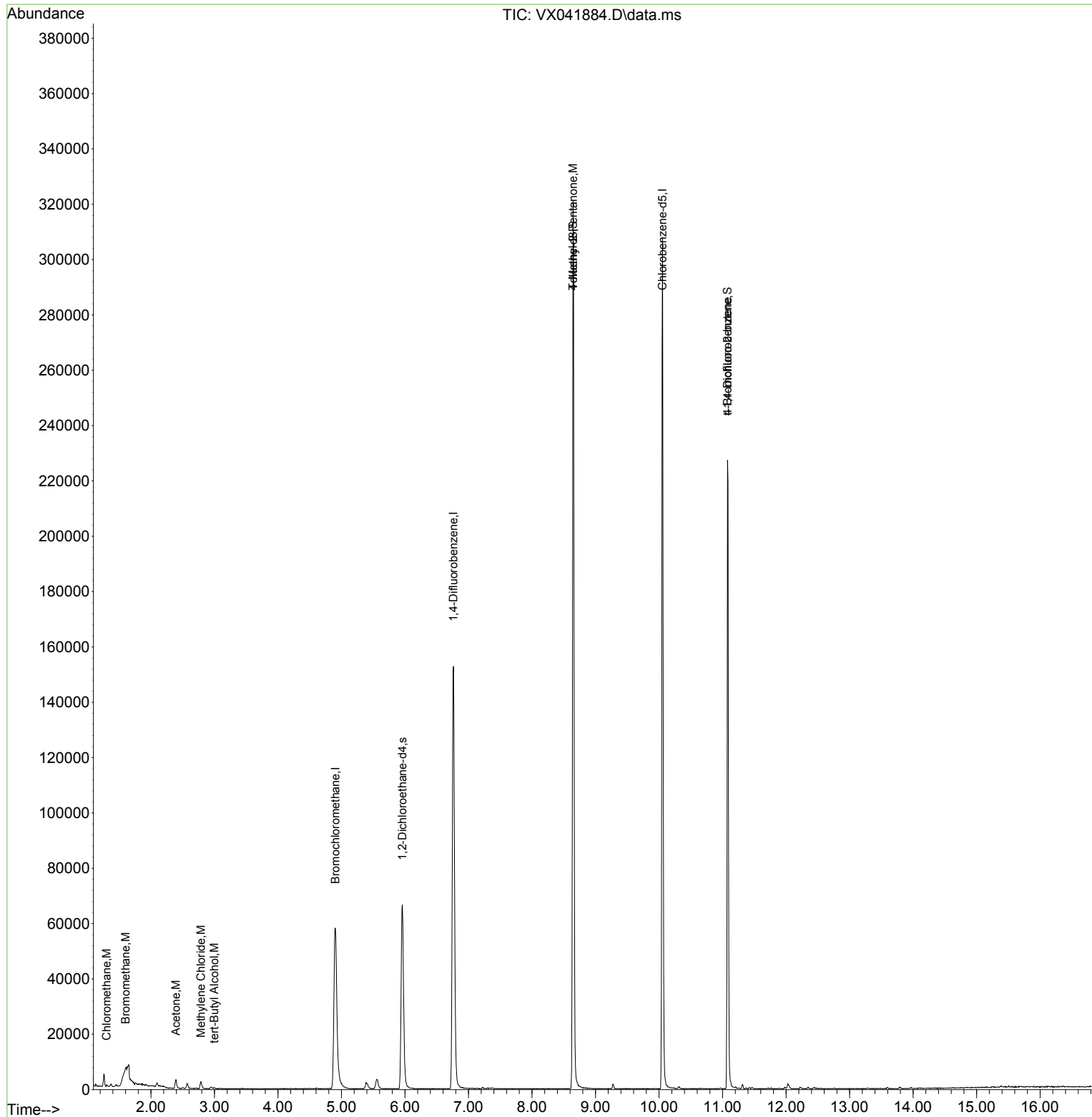
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	31904	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	173192	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154601	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64193	29.229	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.433%
60) 4-Bromofluorobenzene	11.079	95	62848	26.262	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.533%
63) Toluene-d8	8.647	98	200027	30.241	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	471	0.204	ug/l	97
5) Bromomethane	1.599	94	352	0.292	ug/l #	72
15) Acetone	2.392	58	1120	3.318	ug/l	94
18) Methylene Chloride	2.788	84	1383	0.618	ug/l	87
23) tert-Butyl Alcohol	2.995	59	494	1.126	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	773	0.279	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28625	32.008	ug/l #	7

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

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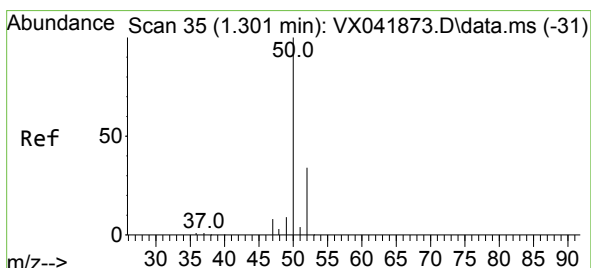
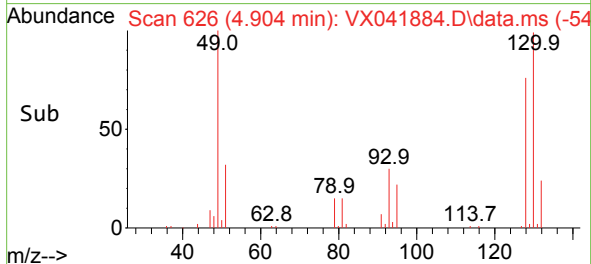
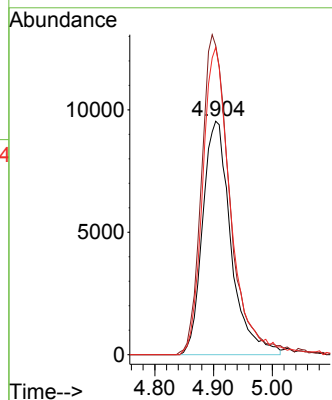
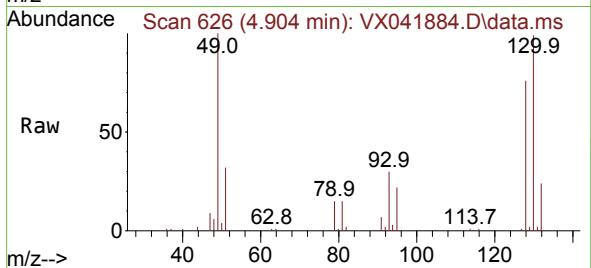




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041884.D
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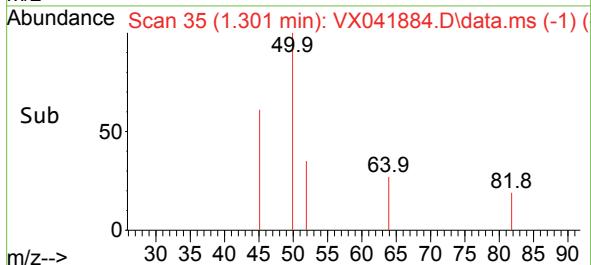
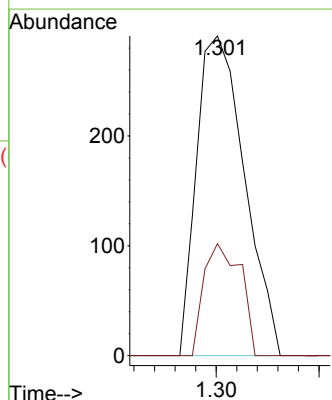
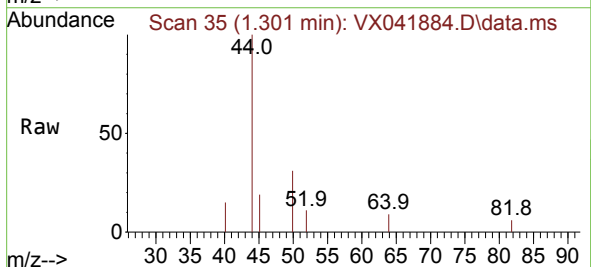
Instrument :
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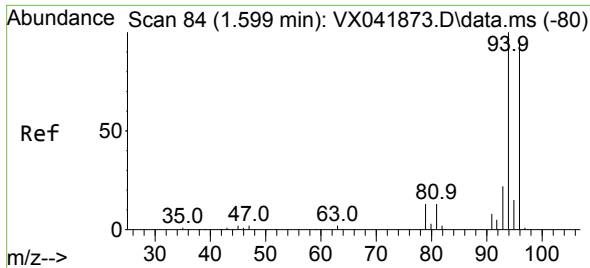
Tgt Ion:128 Resp: 31904
Ion Ratio Lower Upper
128 100
49 134.8 0.0 338.5
130 129.4 0.0 324.5



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

Tgt Ion: 50 Resp: 471
Ion Ratio Lower Upper
50 100
52 35.1 26.9 40.3

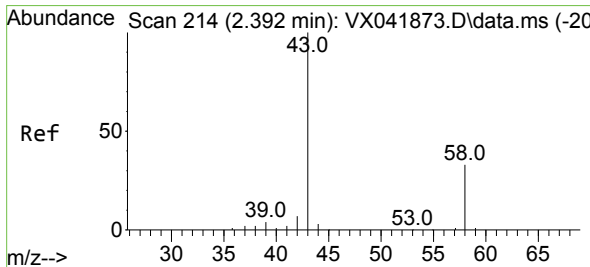
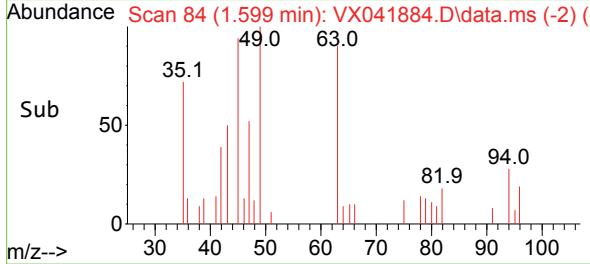
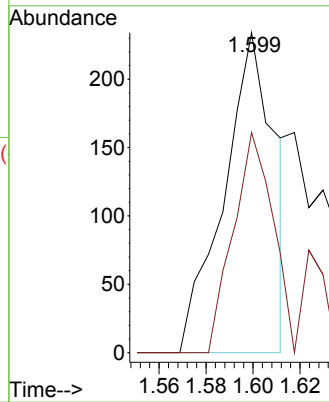
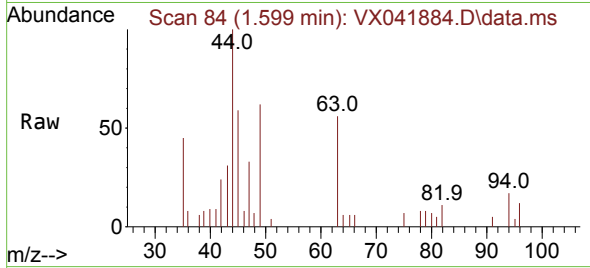




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

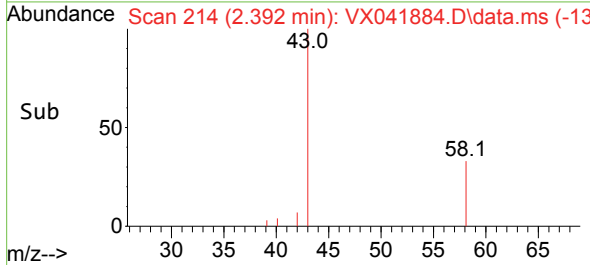
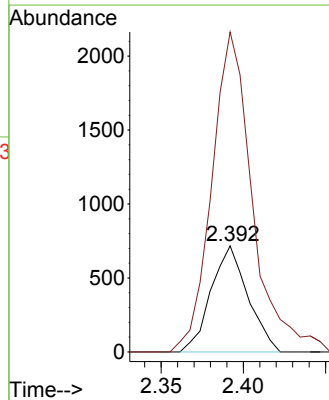
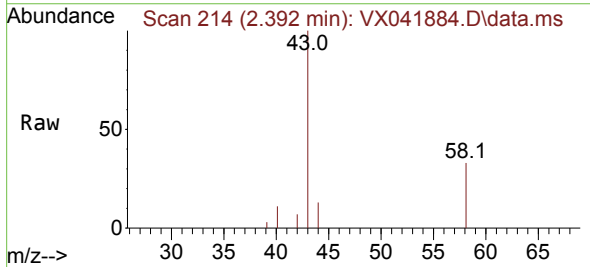
Instrument :
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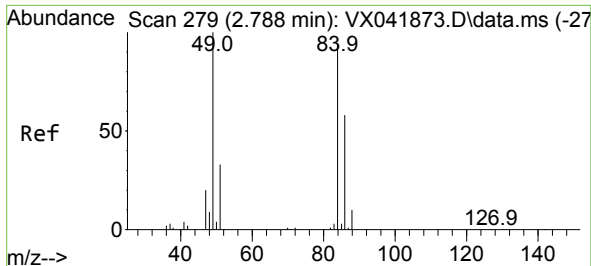
Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 68.8 76.6 115.0#



#15
Acetone
Concen: 3.318 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

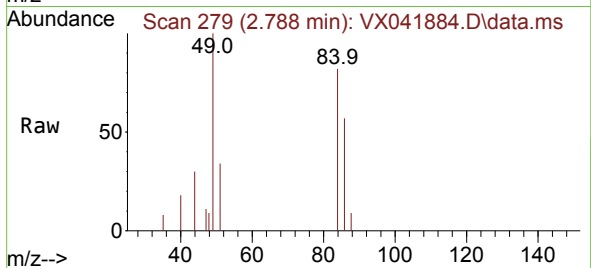
Tgt Ion: 58 Resp: 1120
Ion Ratio Lower Upper
58 100
43 292.2 243.4 365.2



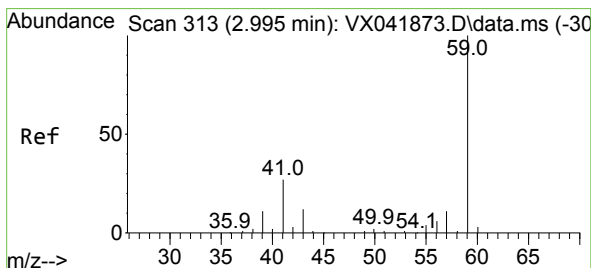
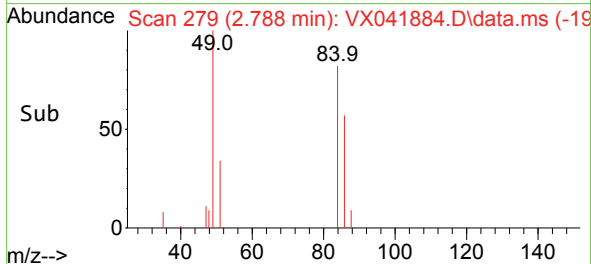
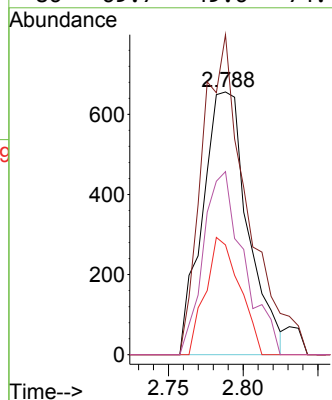


#18
Methylene Chloride
Concen: 0.618 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20240613

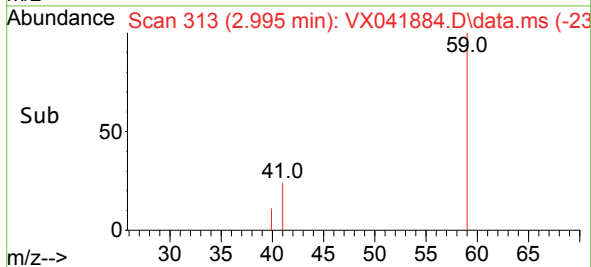
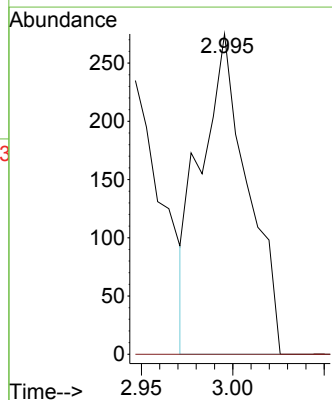
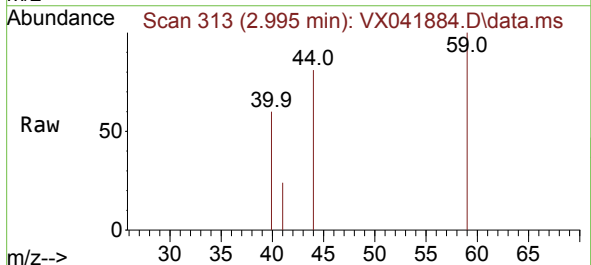


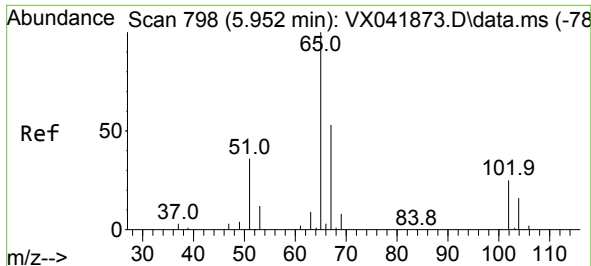
Tgt Ion:	84	Resp:	1383
Ion	Ratio	Lower	Upper
84	100		
49	121.8	85.3	127.9
51	41.8	28.5	42.7
86	69.7	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 1.126 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

Tgt Ion:	59	Resp:	494
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#27

1,2-Dichloroethane-d4

Concen: 29.229 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041884.D

Acq: 14 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

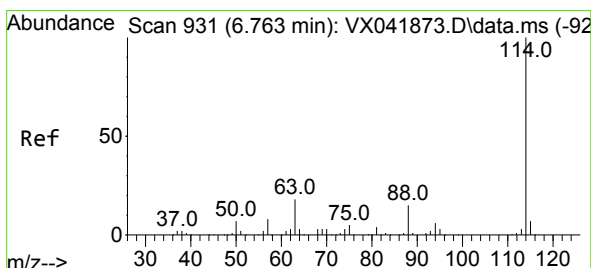
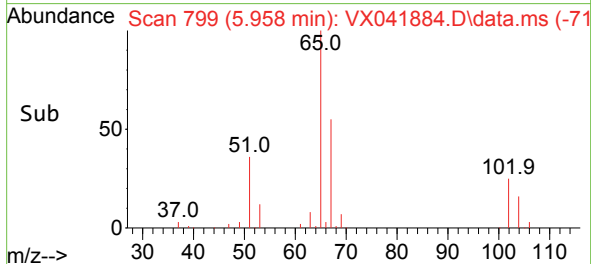
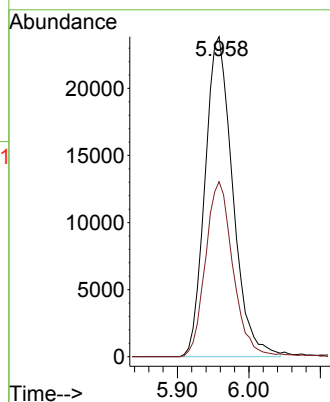
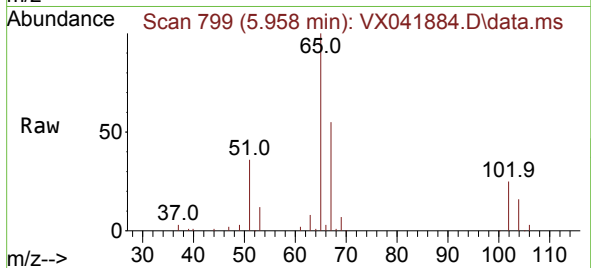
TT-TB-20240613

Tgt Ion: 65 Resp: 64193

Ion Ratio Lower Upper

65 100

67 54.0 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041884.D

Acq: 14 Jun 2024 17:48

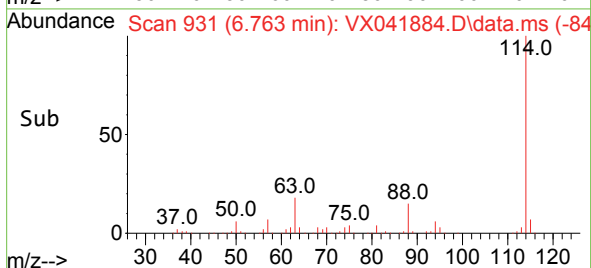
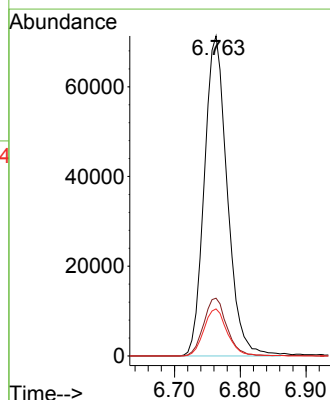
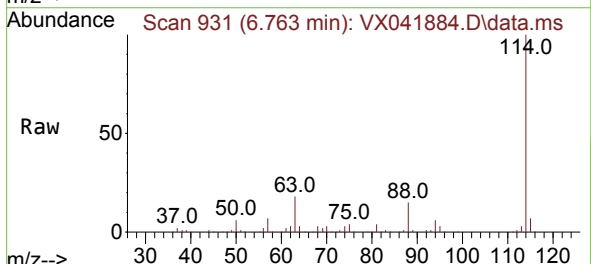
Tgt Ion: 114 Resp: 173192

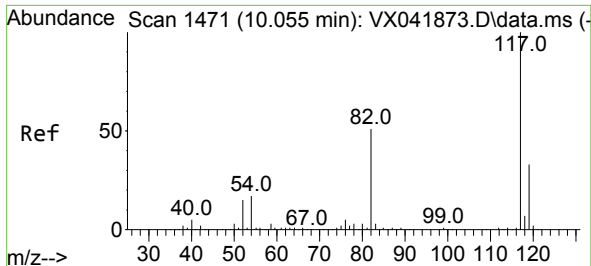
Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

88 14.9 11.8 17.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041884.D

Acq: 14 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20240613

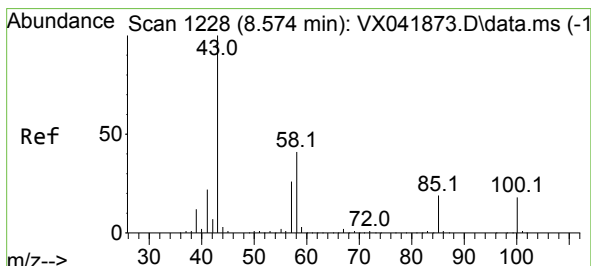
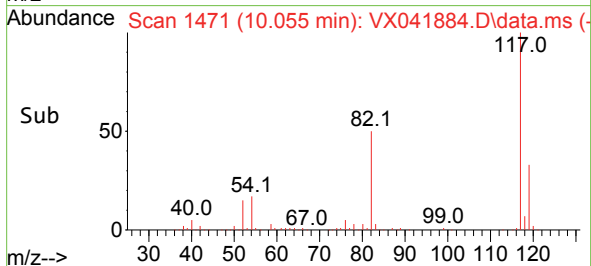
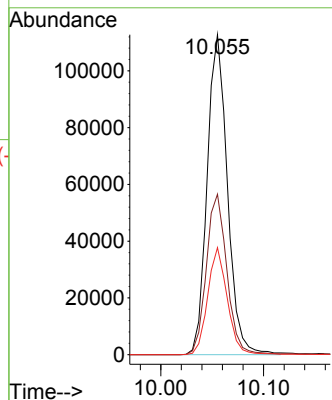
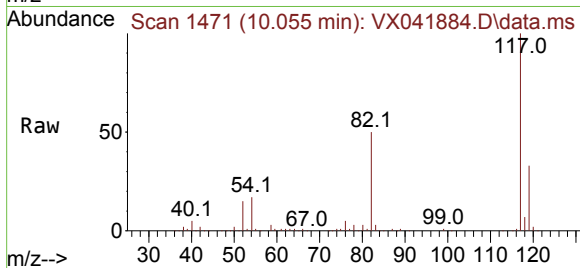
Tgt Ion:117 Resp: 154601

Ion Ratio Lower Upper

117 100

82 50.9 41.1 61.7

119 32.3 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.279 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041884.D

Acq: 14 Jun 2024 17:48

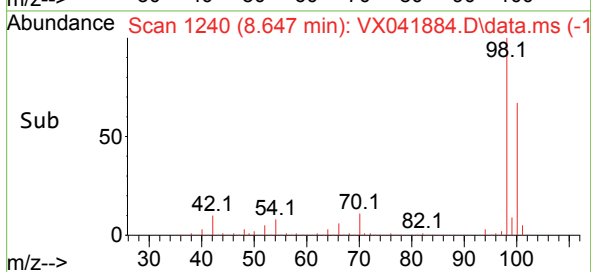
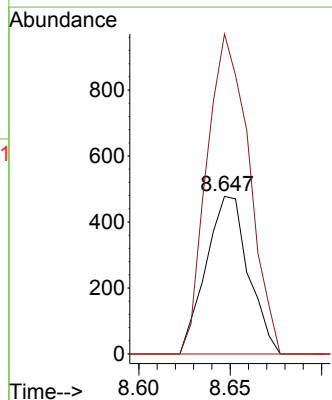
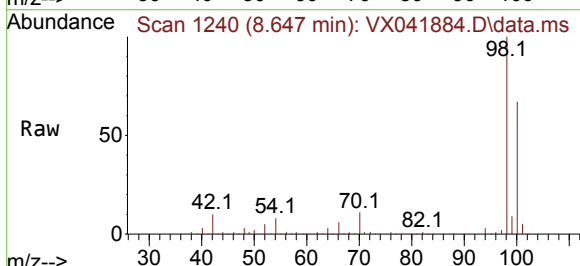
Tgt Ion: 43 Resp: 773

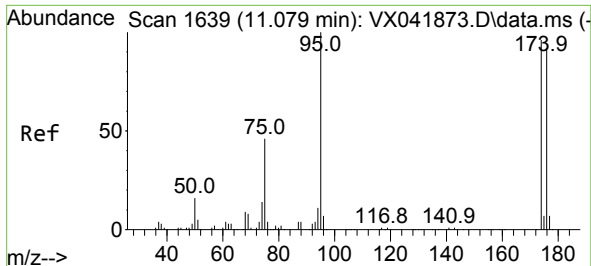
Ion Ratio Lower Upper

43 100

58 201.7 33.2 49.8#

85 0.0 15.5 23.3#

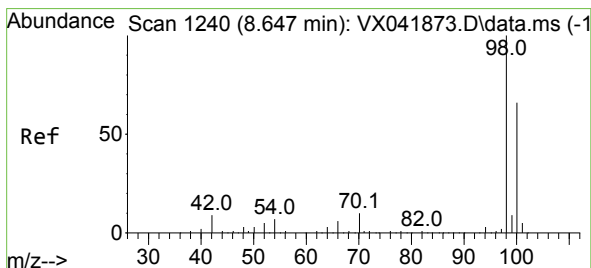
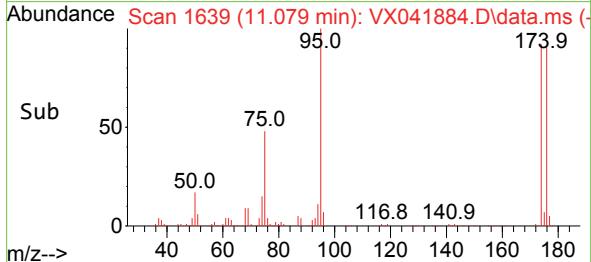
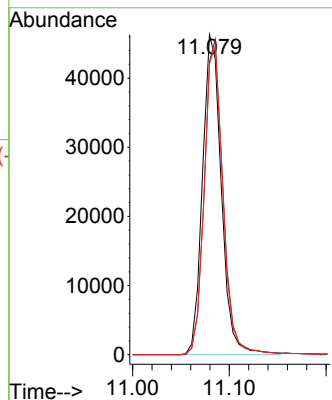
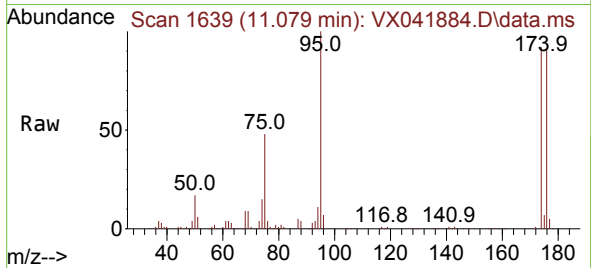




#60
4-Bromofluorobenzene
Concen: 26.262 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

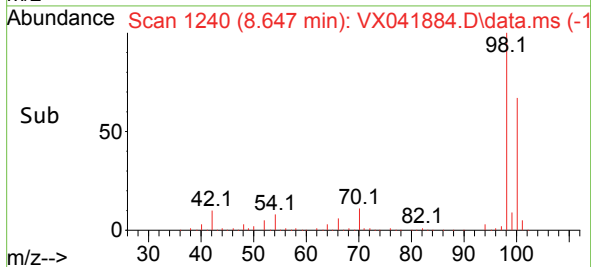
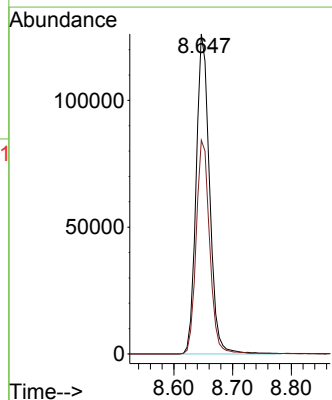
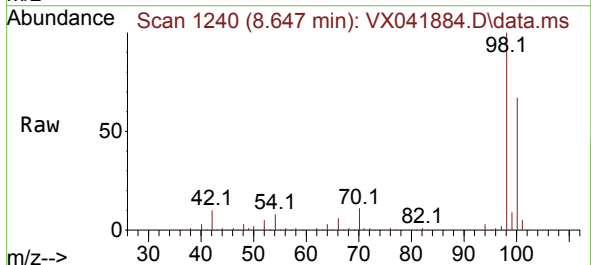
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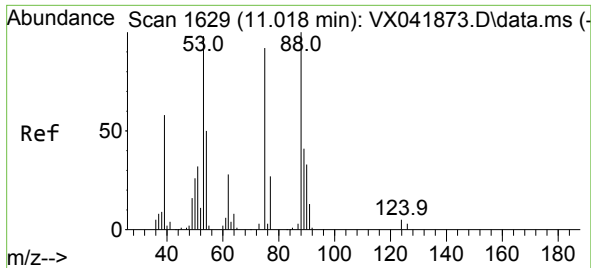
Tgt Ion: 95 Resp: 62848
Ion Ratio Lower Upper
95 100
174 98.0 78.9 118.3
176 96.1 77.1 115.7



#63
Toluene-d8
Concen: 30.241 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041884.D
Acq: 14 Jun 2024 17:48

Tgt Ion: 98 Resp: 200027
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.008 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX041884.D
 Acq: 14 Jun 2024 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20240613

Tgt Ion: 75 Resp: 28625
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

