

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041885.D
 Acq On : 14 Jun 2024 18:11
 Operator : JC/MD
 Sample : P2896-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240612002-09-TB

Quant Time: Jun 15 04:14:42 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)

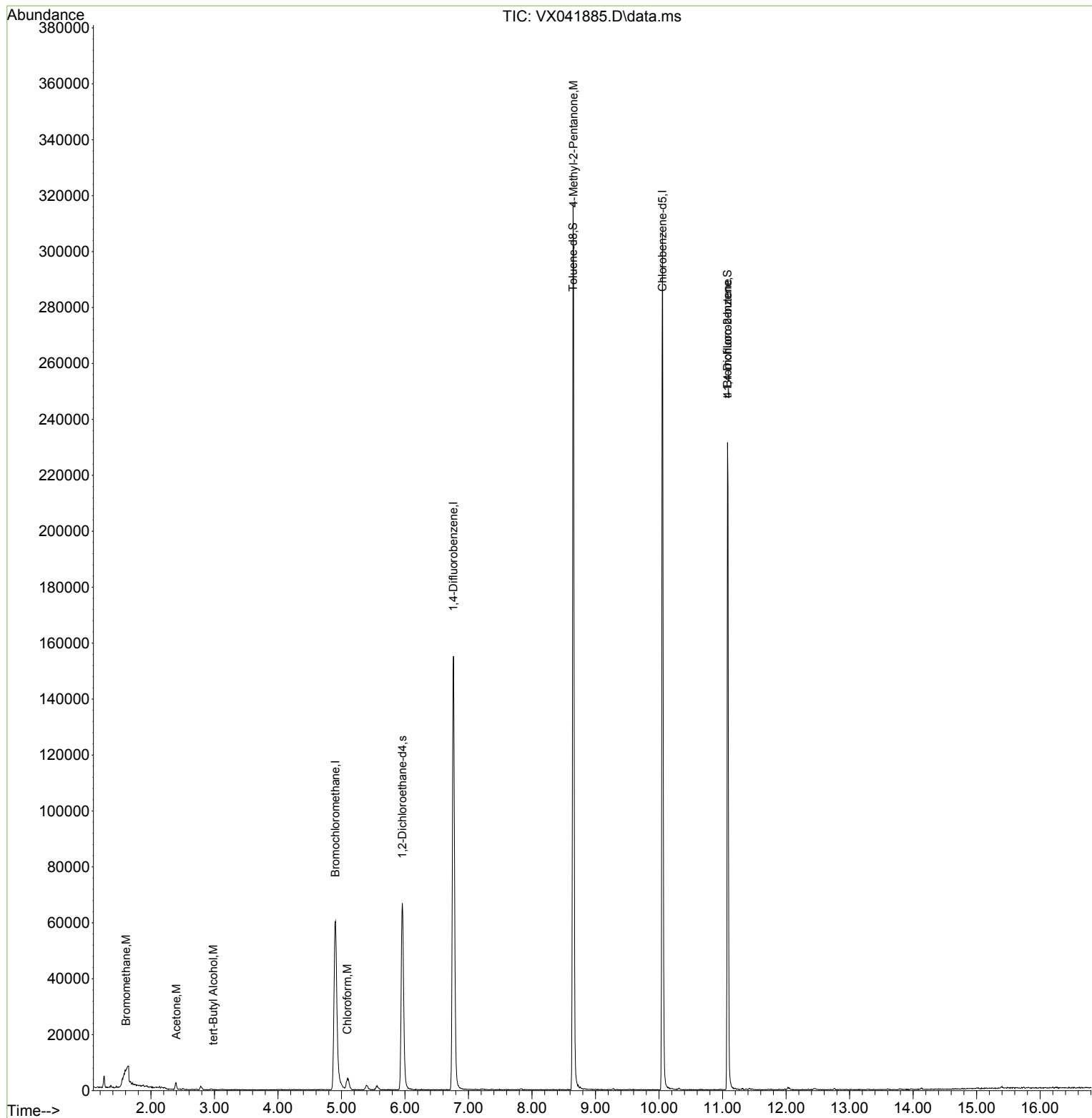
Internal Standards						
1) Bromochloromethane	4.904	128	31540	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	173239	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155712	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64323	29.626	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.767%
60) 4-Bromofluorobenzene	11.079	95	63430	26.316	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.733%
63) Toluene-d8	8.647	98	198636	29.817	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	404	0.339	ug/l #	65
15) Acetone	2.398	58	834	2.499	ug/l #	62
23) tert-Butyl Alcohol	2.983	59	118	0.272	ug/l #	100
25) Chloroform	5.093	83	5495	1.573	ug/l	95
58) 4-Methyl-2-Pentanone	8.653	43	796	0.285	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28869	32.050	ug/l #	7

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

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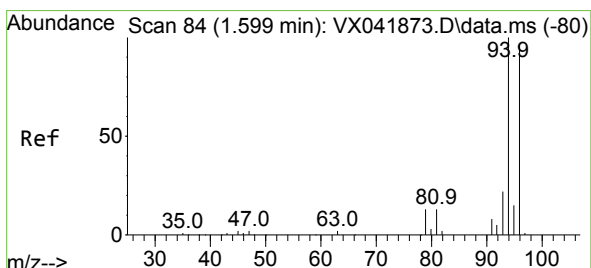
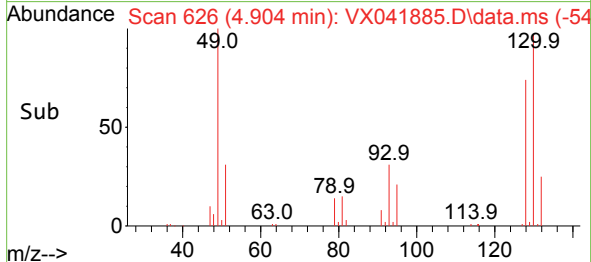
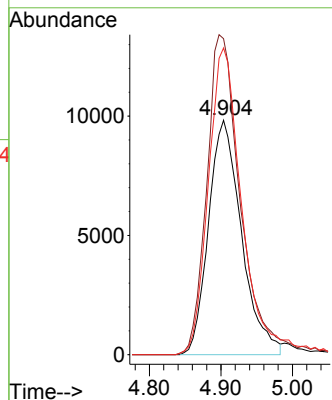
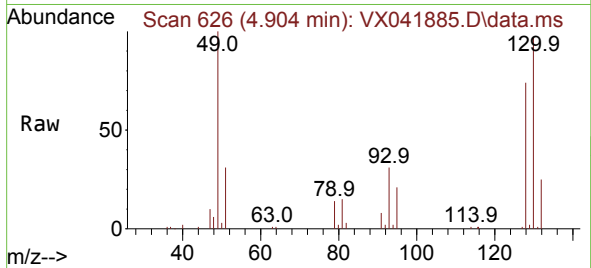




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

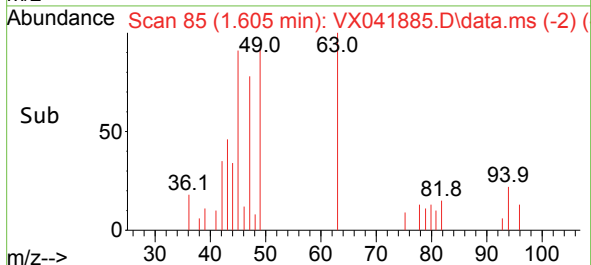
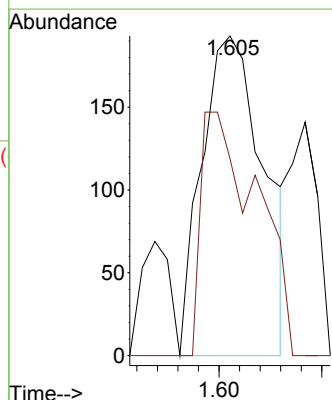
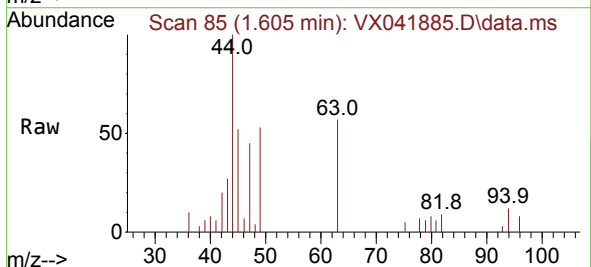
Instrument :
MSVOA_X
ClientSampleId :
240612002-09-TB

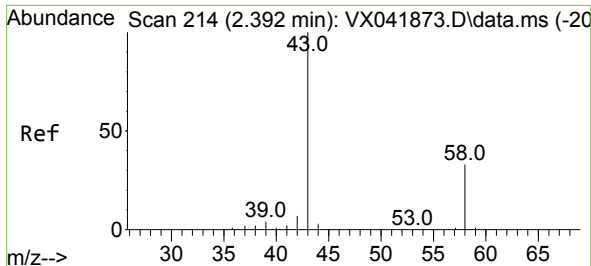
Tgt Ion:128 Resp: 31540
Ion Ratio Lower Upper
128 100
49 138.5 0.0 338.5
130 129.7 0.0 324.5



#5
Bromomethane
Concen: 0.339 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 61.7 76.6 115.0#





#15

Acetone

Concen: 2.499 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX041885.D

Acq: 14 Jun 2024 18:11

Instrument :

MSVOA_X

ClientSampleId :

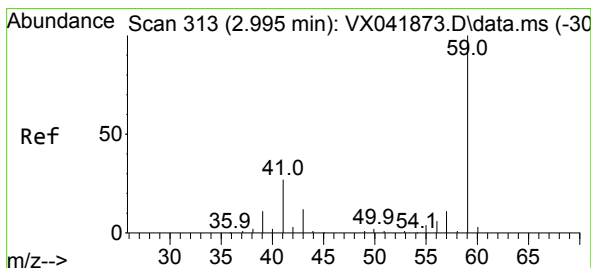
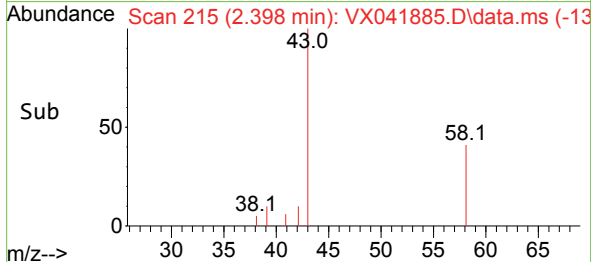
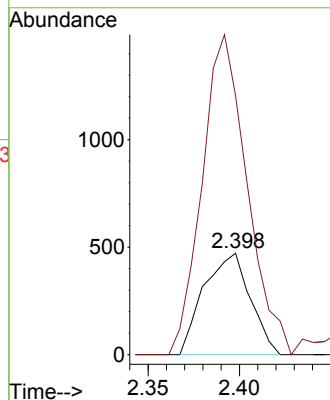
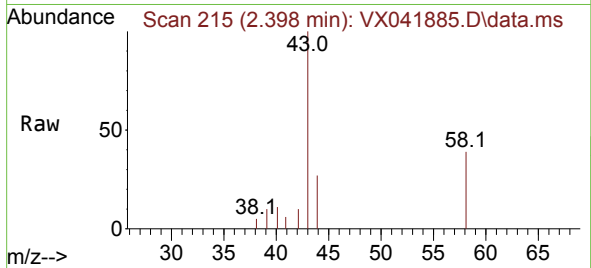
240612002-09-TB

Tgt Ion: 58 Resp: 834

Ion Ratio Lower Upper

58 100

43 229.9 243.4 365.2#



#23

tert-Butyl Alcohol

Concen: 0.272 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.012 min

Lab File: VX041885.D

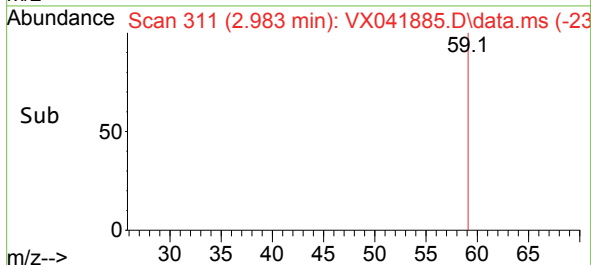
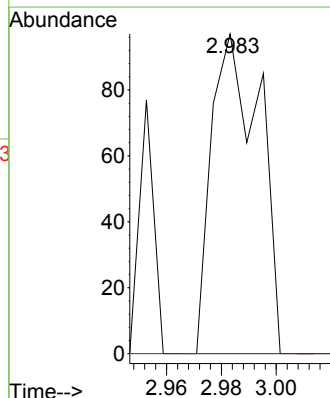
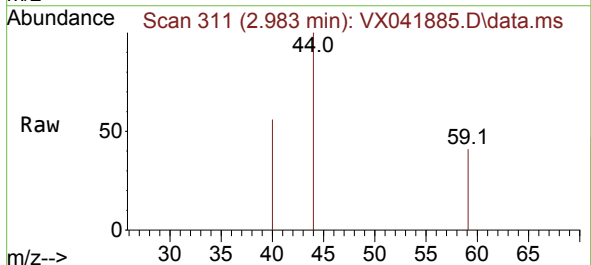
Acq: 14 Jun 2024 18:11

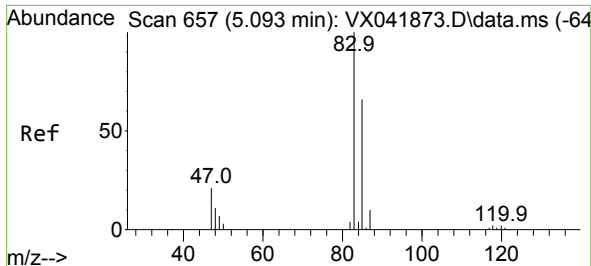
Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

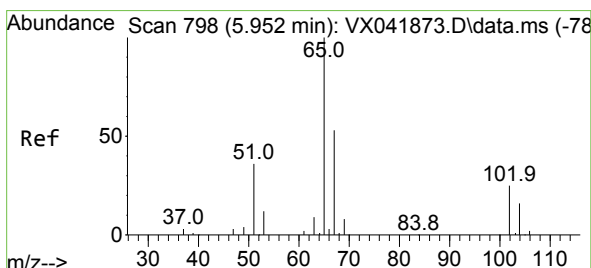
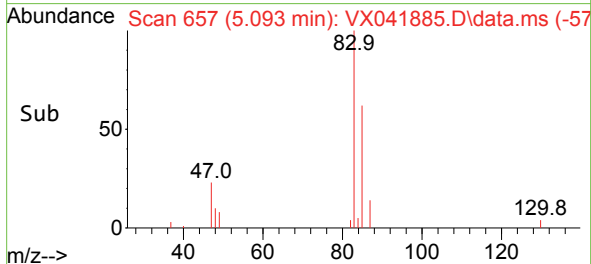
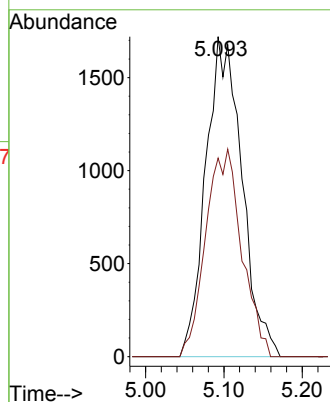
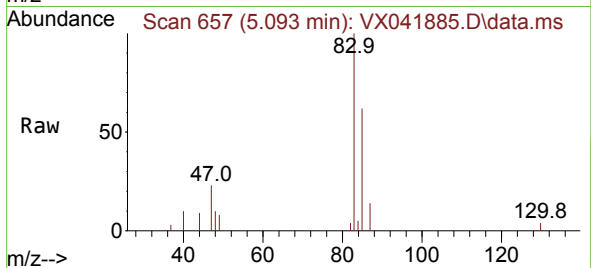




#25
Chloroform
Concen: 1.573 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

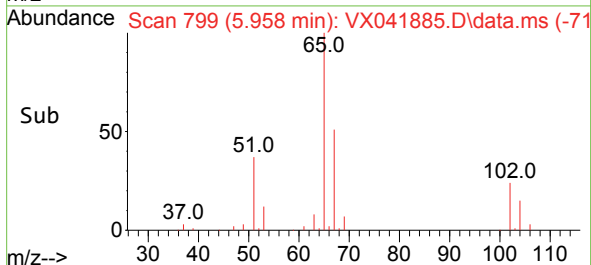
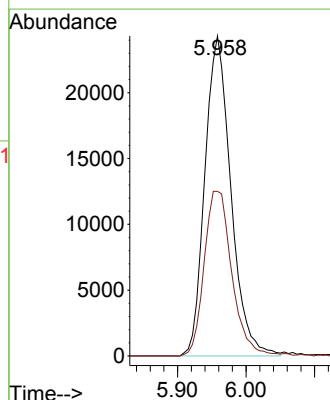
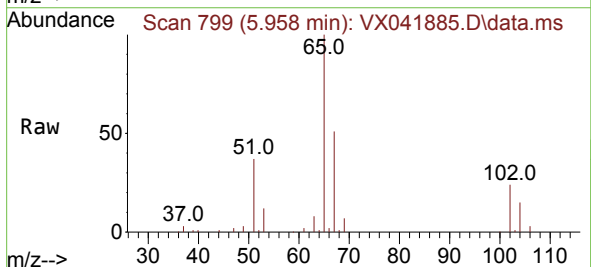
Instrument :
MSVOA_X
ClientSampleId :
240612002-09-TB

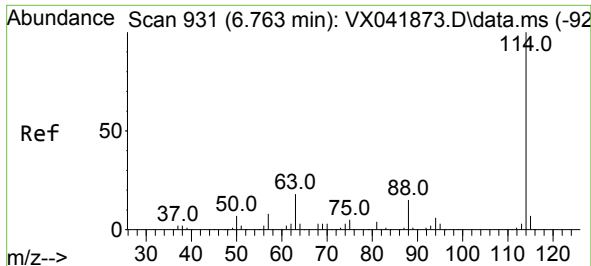
Tgt Ion: 83 Resp: 5495
Ion Ratio Lower Upper
83 100
85 62.0 52.7 79.1



#27
1,2-Dichloroethane-d4
Concen: 29.626 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

Tgt Ion: 65 Resp: 64323
Ion Ratio Lower Upper
65 100
67 54.6 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: VX041885.D

Acq: 14 Jun 2024 18:11

Instrument :

MSVOA_X

ClientSampleId :

240612002-09-TB

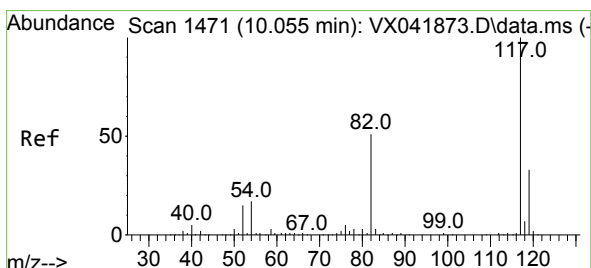
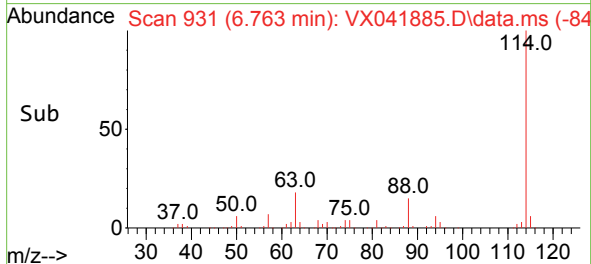
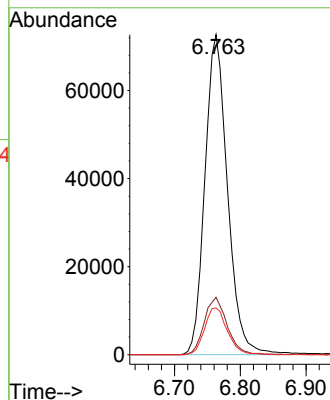
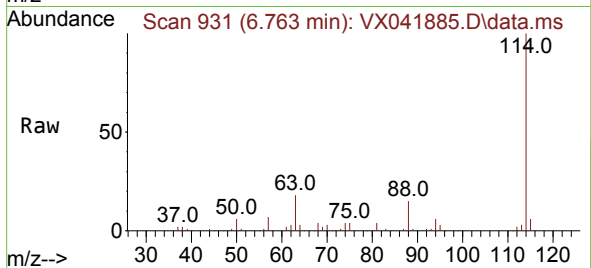
Tgt Ion:114 Resp: 173239

Ion Ratio Lower Upper

114 100

63 18.0 14.6 21.8

88 14.8 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: VX041885.D

Acq: 14 Jun 2024 18:11

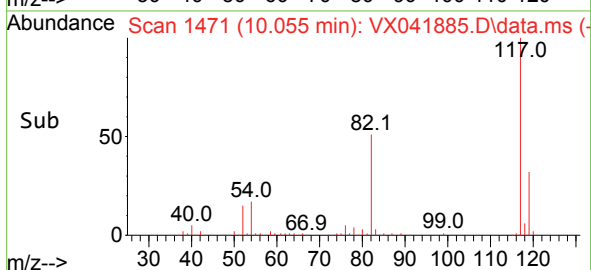
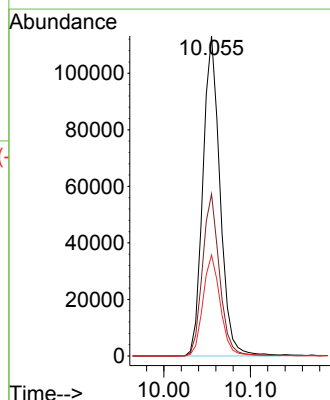
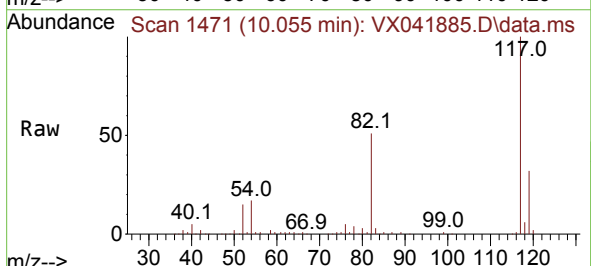
Tgt Ion:117 Resp: 155712

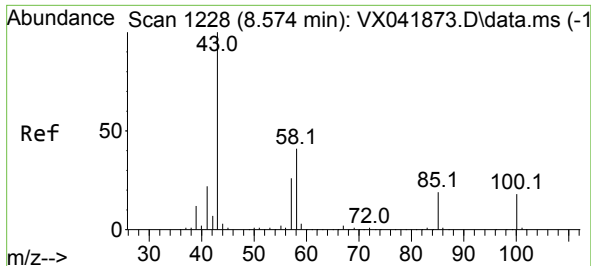
Ion Ratio Lower Upper

117 100

82 50.4 41.1 61.7

119 31.9 26.1 39.1

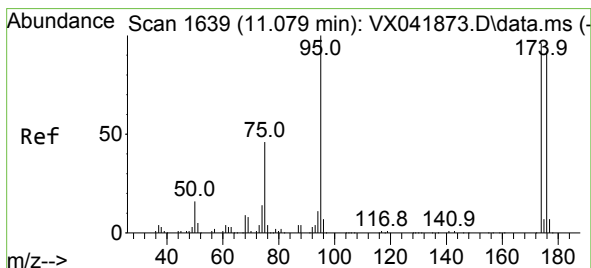
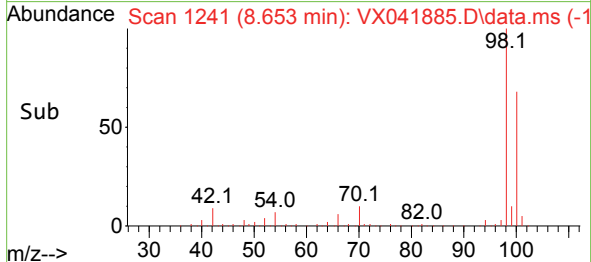
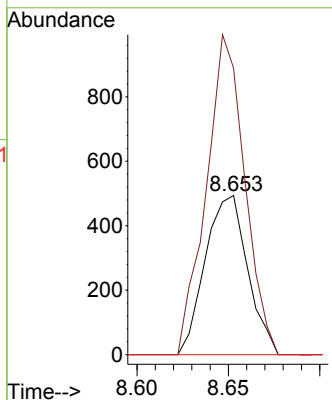
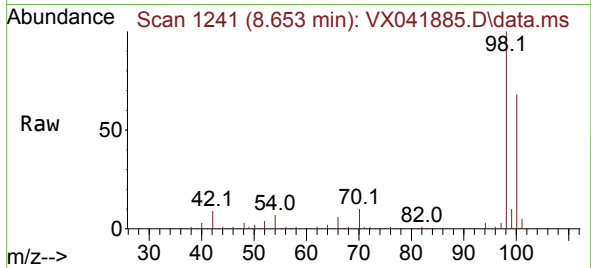




#58
4-Methyl-2-Pentanone
Concen: 0.285 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

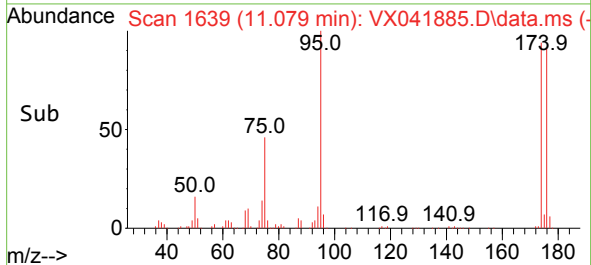
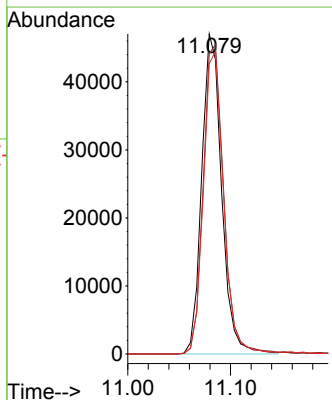
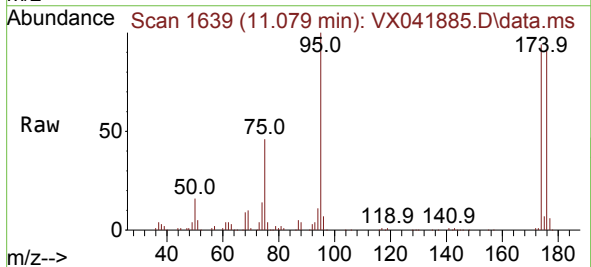
Instrument :
MSVOA_X
ClientSampleId :
240612002-09-TB

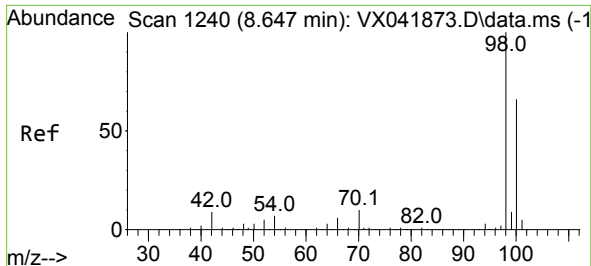
Tgt Ion:	43	Resp:	796
Ion	Ratio	Lower	Upper
43	100		
58	182.9	33.2	49.8#
85	0.0	15.5	23.3#



#60
4-Bromofluorobenzene
Concen: 26.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

Tgt Ion:	95	Resp:	63430
Ion	Ratio	Lower	Upper
95	100		
174	99.5	78.9	118.3
176	95.8	77.1	115.7

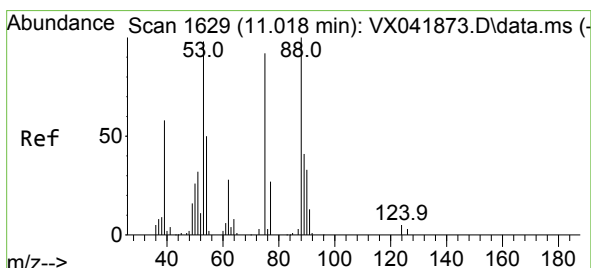
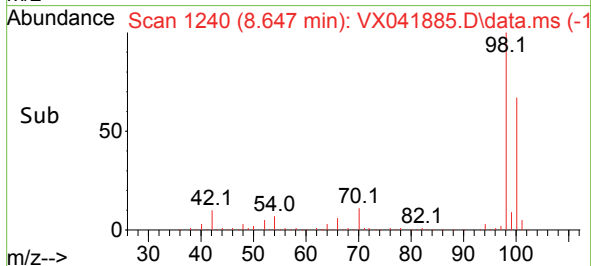
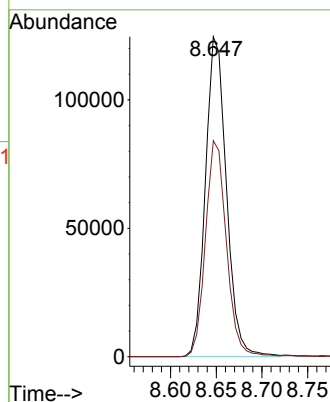
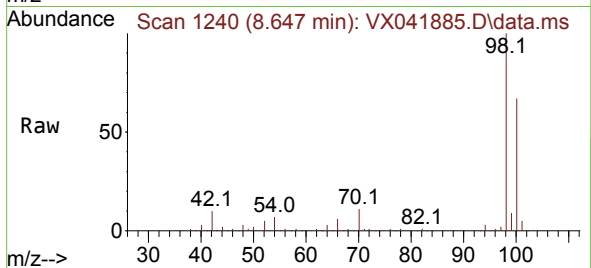




#63
Toluene-d8
Concen: 29.817 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

Instrument :
MSVOA_X
ClientSampleId :
240612002-09-TB

Tgt Ion: 98 Resp: 198636
Ion Ratio Lower Upper
98 100
100 67.3 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041885.D
Acq: 14 Jun 2024 18:11

Tgt Ion: 75 Resp: 28869
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

