

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041897.D
 Acq On : 14 Jun 2024 22:50
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 15 04:18:49 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)

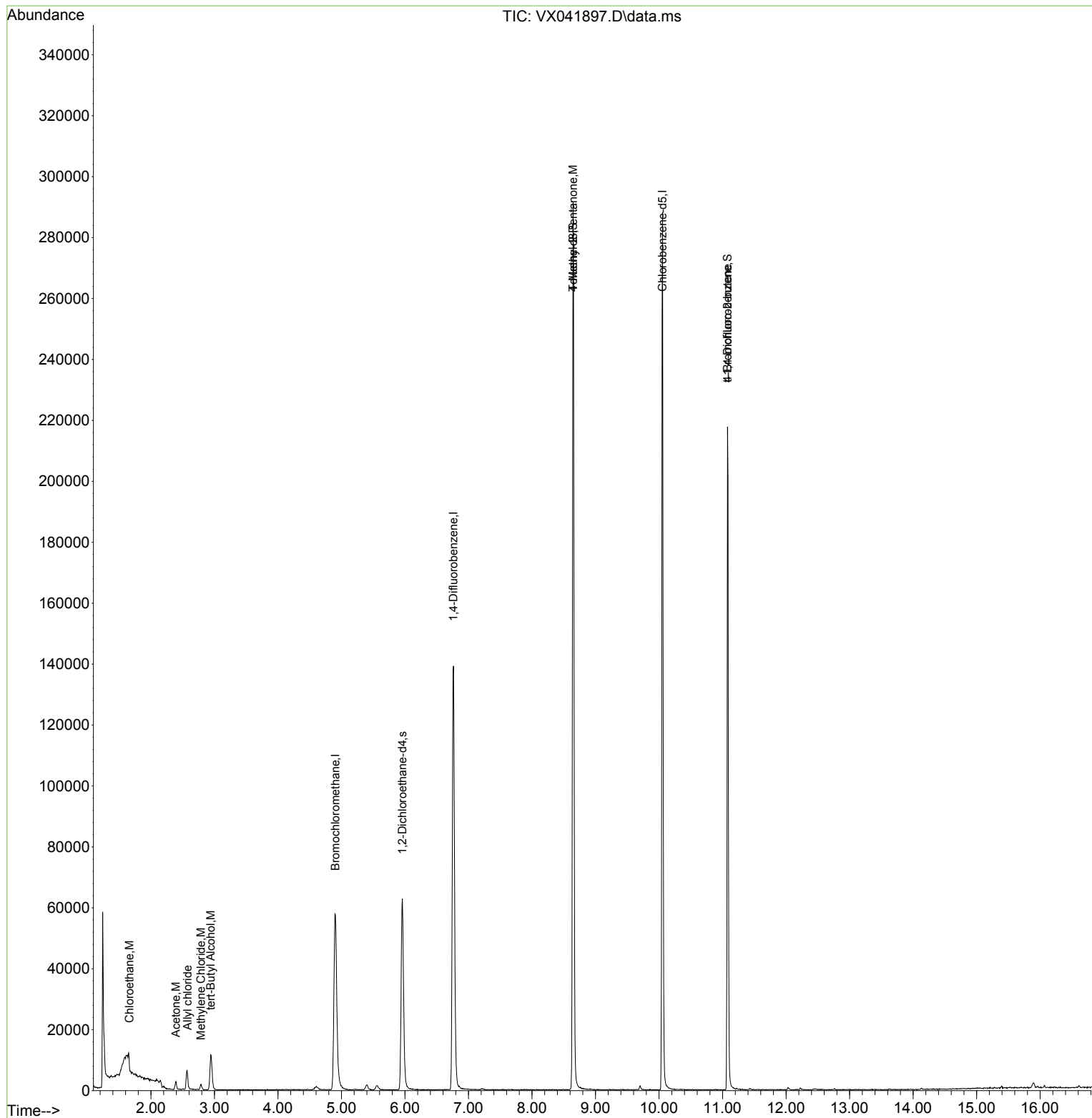
Internal Standards						
1) Bromochloromethane	4.904	128	29865	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	156794	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144466	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59942	29.156	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.200%
60) 4-Bromofluorobenzene	11.079	95	58621	26.214	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.367%
63) Toluene-d8	8.647	98	181645	29.389	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.967%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	582	0.645	ug/l #	42
15) Acetone	2.392	58	905	2.864	ug/l	100
17) Allyl chloride	2.575	41	675	0.244	ug/l #	75
18) Methylene Chloride	2.788	84	962	0.460	ug/l #	93
23) tert-Butyl Alcohol	2.940	59	7022	17.101	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	660	0.255	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26936	32.232	ug/l #	7

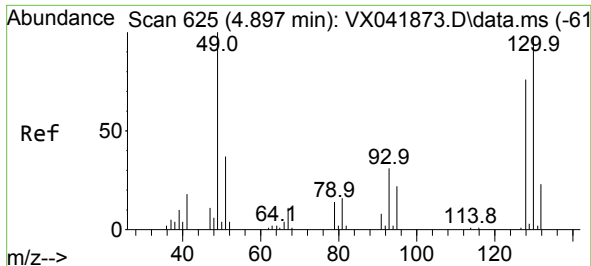
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 04:18:49 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

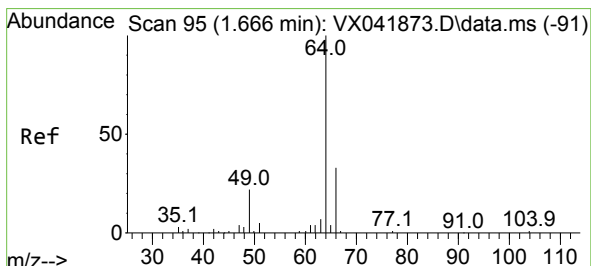
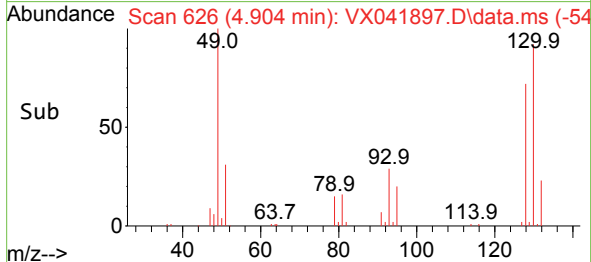
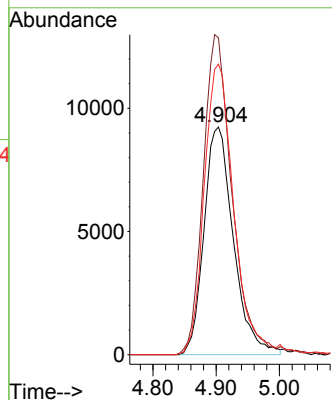
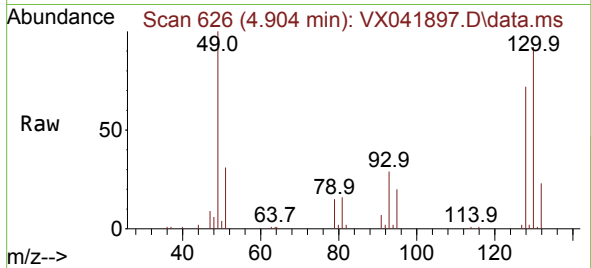




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041897.D
Acq: 14 Jun 2024 22:50

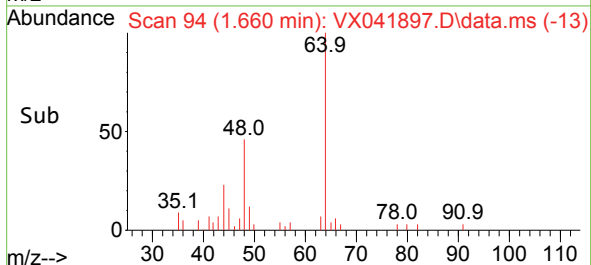
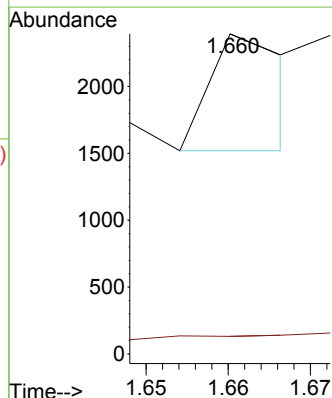
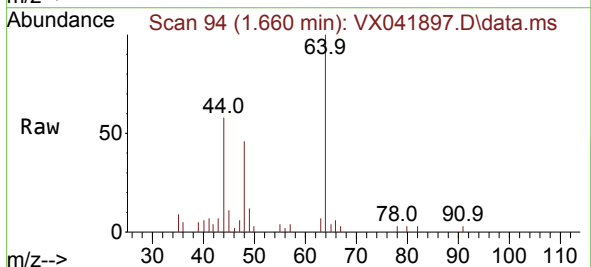
Instrument :
MSVOA_X
ClientSampleId :
IBLK

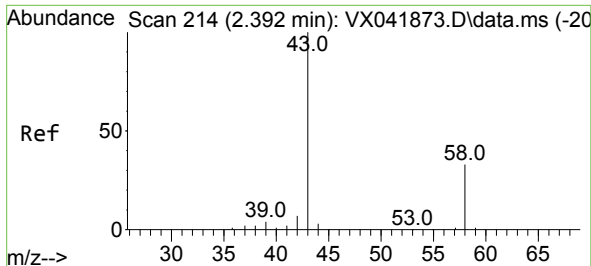
Tgt Ion:128 Resp: 29865
Ion Ratio Lower Upper
128 100
49 137.3 0.0 338.5
130 127.9 0.0 324.5



#6
Chloroethane
Concen: 0.645 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041897.D
Acq: 14 Jun 2024 22:50

Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#15

Acetone

Concen: 2.864 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041897.D

Acq: 14 Jun 2024 22:50

Instrument :

MSVOA_X

ClientSampleId :

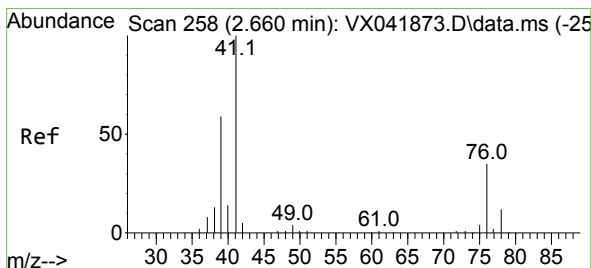
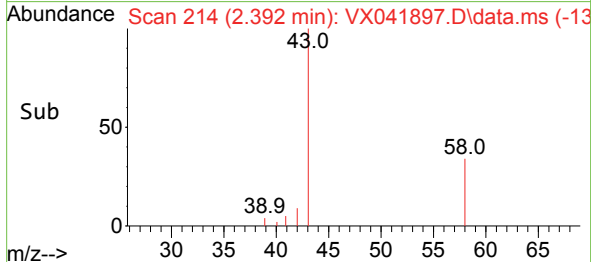
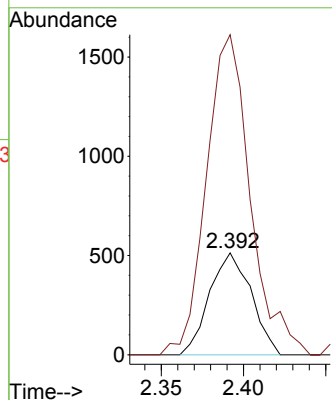
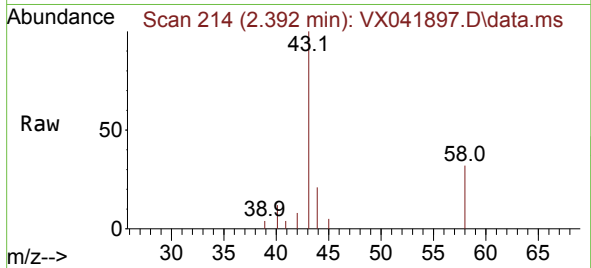
IBLK

Tgt Ion: 58 Resp: 905

Ion Ratio Lower Upper

58 100

43 304.1 243.4 365.2



#17

Allyl chloride

Concen: 0.244 ug/l

RT: 2.575 min Scan# 244

Delta R.T. -0.085 min

Lab File: VX041897.D

Acq: 14 Jun 2024 22:50

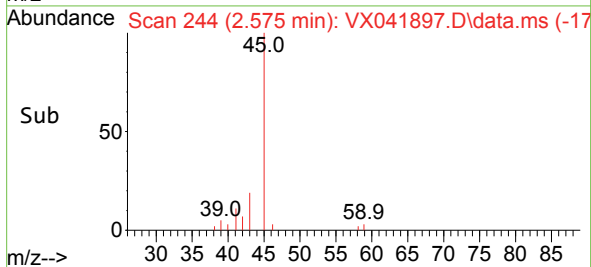
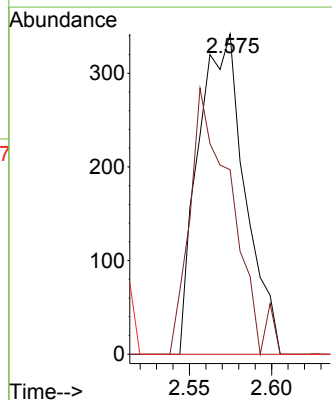
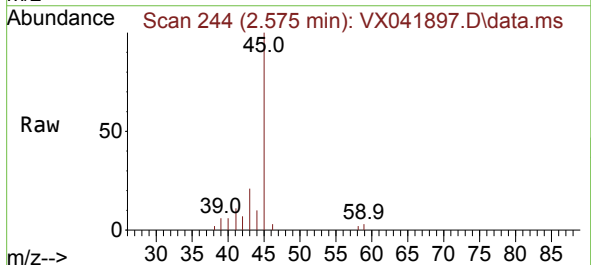
Tgt Ion: 41 Resp: 675

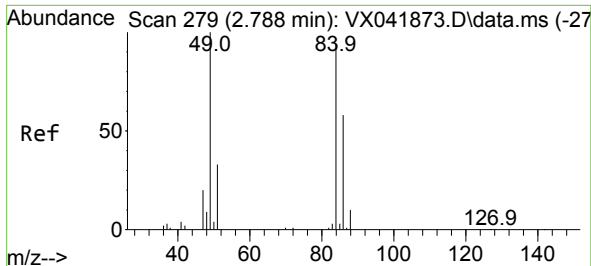
Ion Ratio Lower Upper

41 100

39 57.6 29.6 88.8

76 0.0 18.1 54.4#





#18

Methylene Chloride

Concen: 0.460 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041897.D

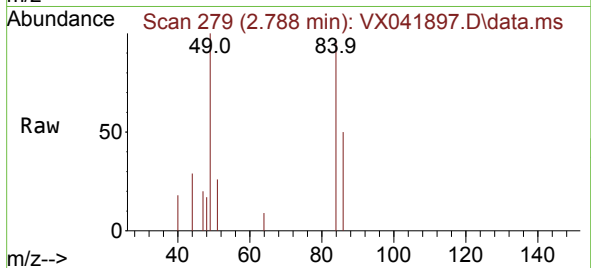
Acq: 14 Jun 2024 22:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion: 84 Resp: 962

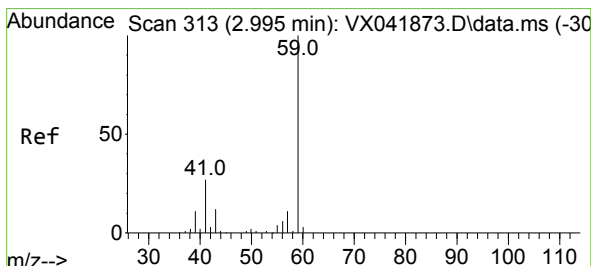
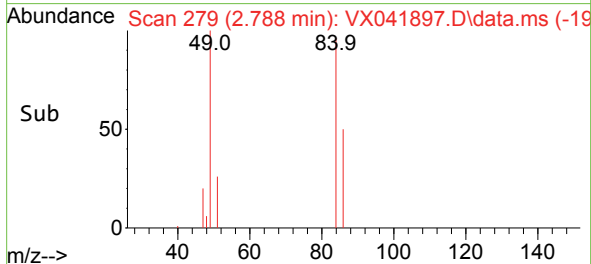
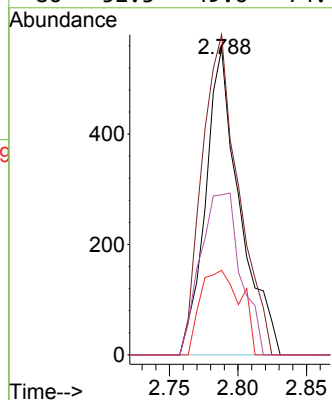
Ion Ratio Lower Upper

84 100

49 104.5 85.3 127.9

51 27.6 28.5 42.7#

86 52.3 49.6 74.4



#23

tert-Butyl Alcohol

Concen: 17.101 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX041897.D

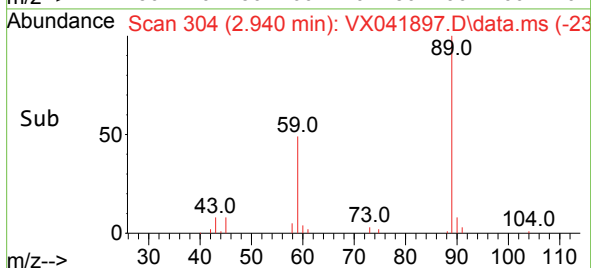
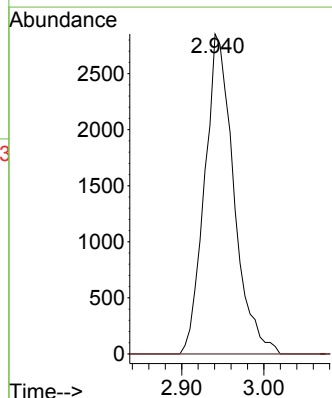
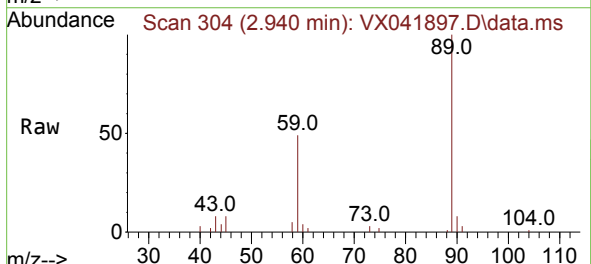
Acq: 14 Jun 2024 22:50

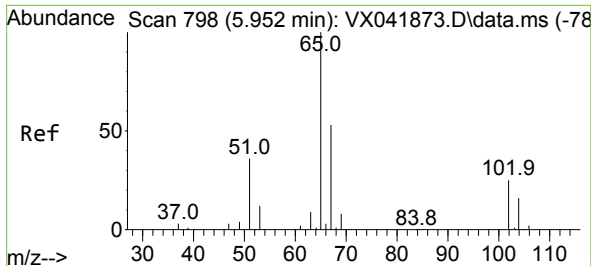
Tgt Ion: 59 Resp: 7022

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.156 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041897.D

Acq: 14 Jun 2024 22:50

Instrument :

MSVOA_X

ClientSampleId :

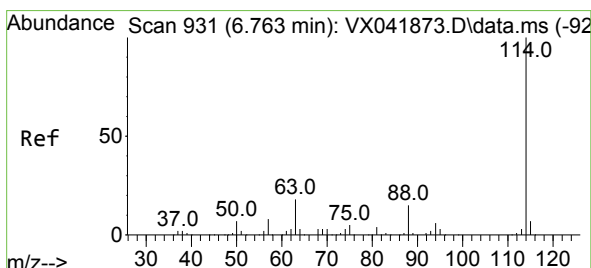
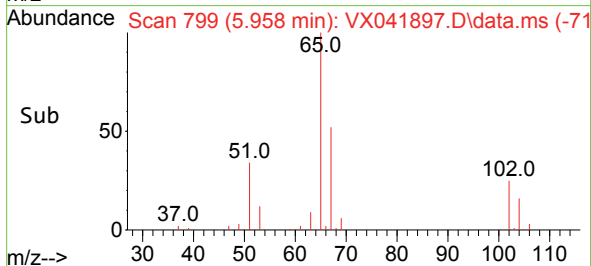
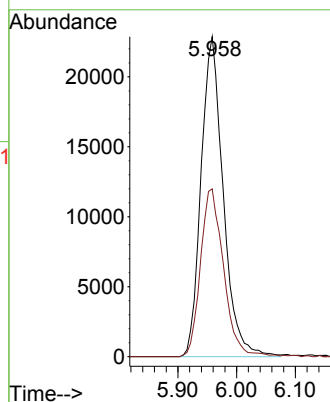
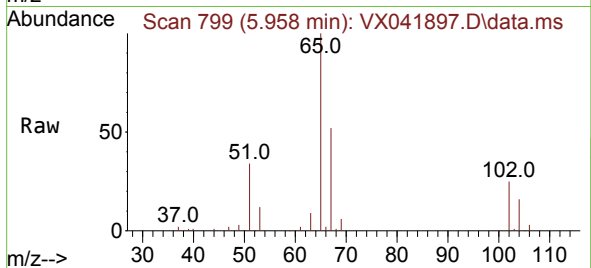
IBLK

Tgt Ion: 65 Resp: 59942

Ion Ratio Lower Upper

65 100

67 54.4 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: VX041897.D

Acq: 14 Jun 2024 22:50

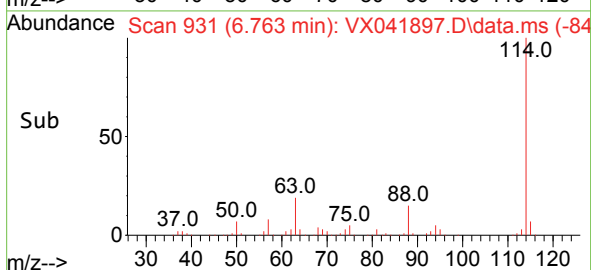
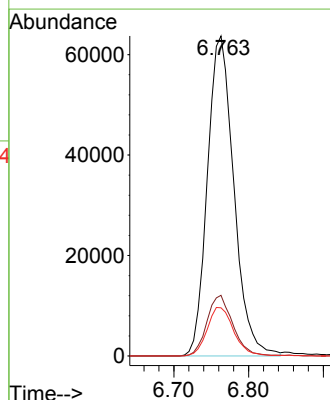
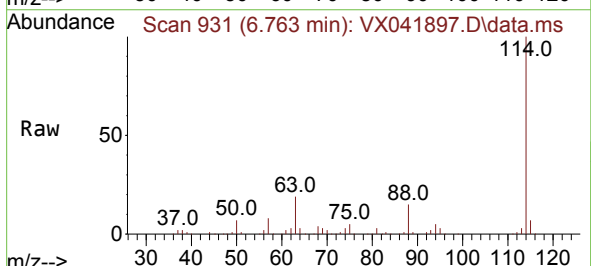
Tgt Ion: 114 Resp: 156794

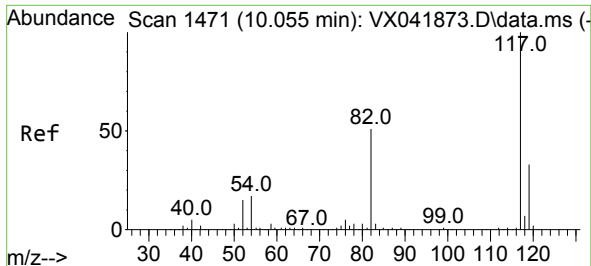
Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

88 15.2 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: VX041897.D

Acq: 14 Jun 2024 22:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

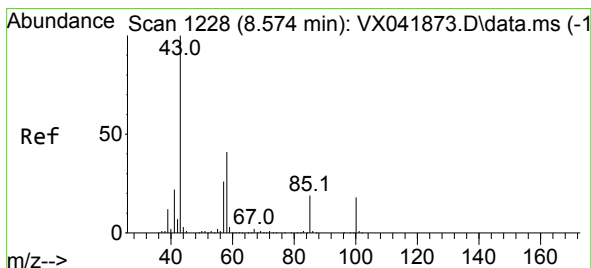
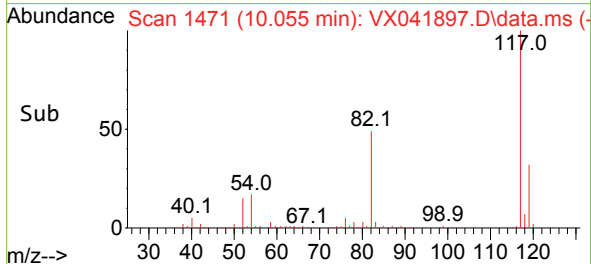
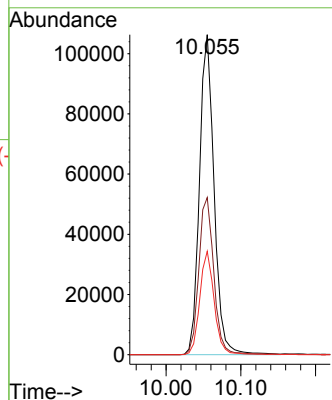
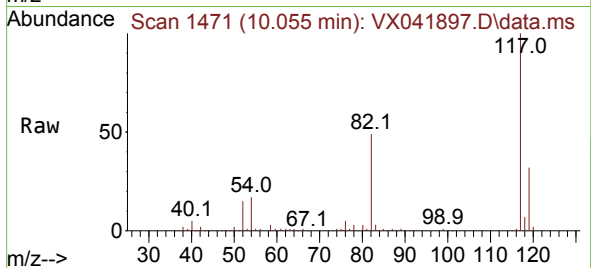
Tgt Ion:117 Resp: 144466

Ion Ratio Lower Upper

117 100

82 50.5 41.1 61.7

119 31.8 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041897.D

Acq: 14 Jun 2024 22:50

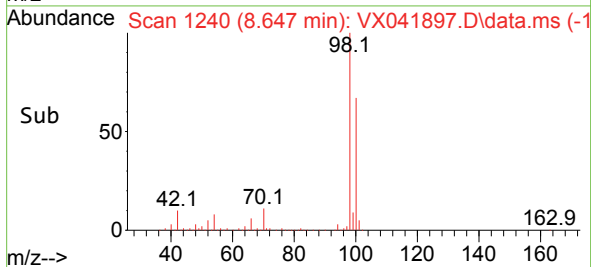
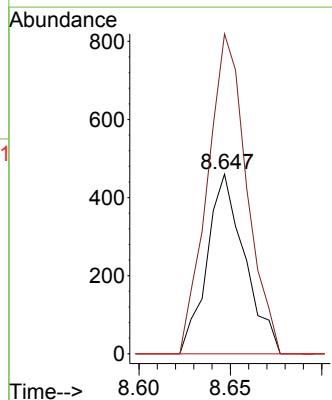
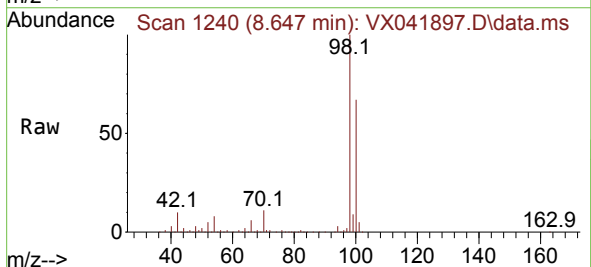
Tgt Ion: 43 Resp: 660

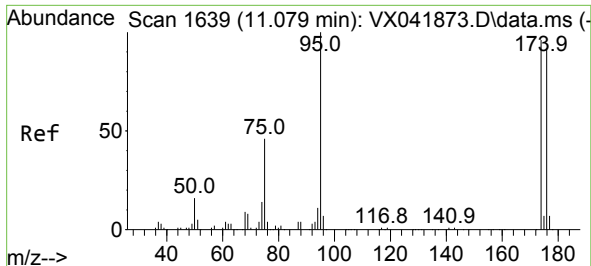
Ion Ratio Lower Upper

43 100

58 186.2 33.2 49.8#

85 0.0 15.5 23.3#

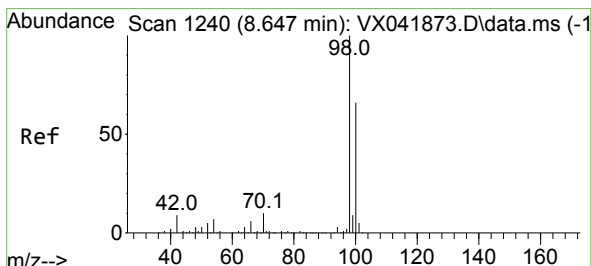
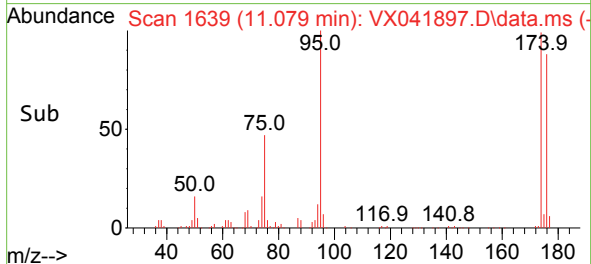
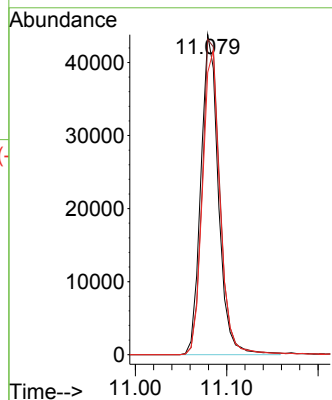
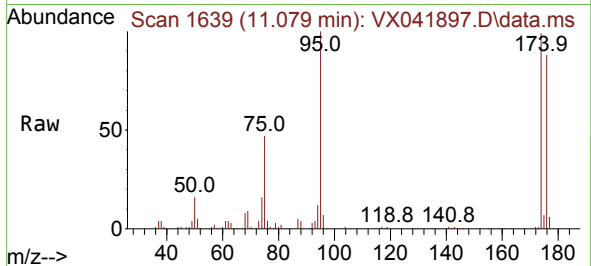




#60
4-Bromofluorobenzene
Concen: 26.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041897.D
Acq: 14 Jun 2024 22:50

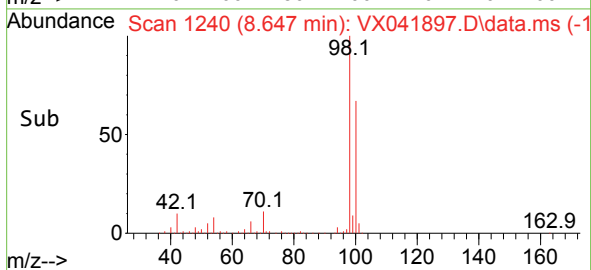
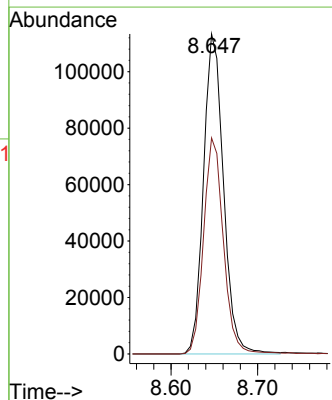
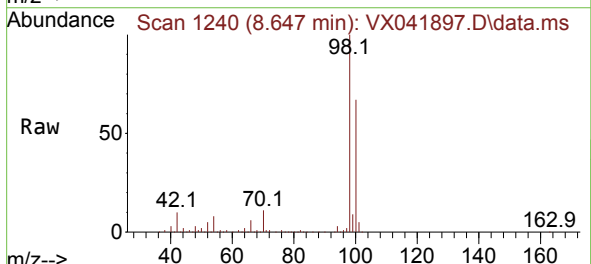
Instrument :
MSVOA_X
ClientSampleId :
IBLK

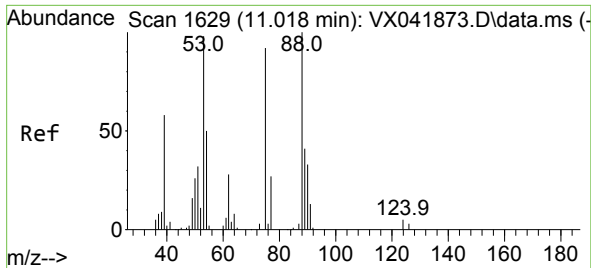
Tgt Ion: 95 Resp: 58621
Ion Ratio Lower Upper
95 100
174 100.2 78.9 118.3
176 95.2 77.1 115.7



#63
Toluene-d8
Concen: 29.389 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041897.D
Acq: 14 Jun 2024 22:50

Tgt Ion: 98 Resp: 181645
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1





#77

t-1,4-Dichloro-2-butene

Concen: 32.232 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX041897.D

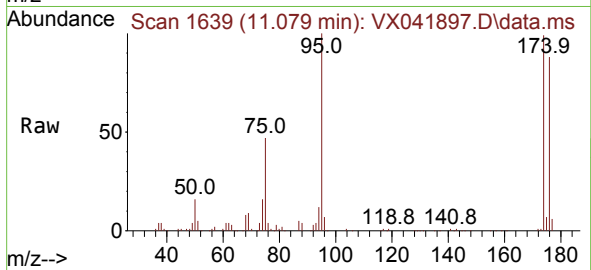
Acq: 14 Jun 2024 22:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 26936

Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#

