

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042250.D
 Acq On : 09 Jul 2024 16:25
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:58:48 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)

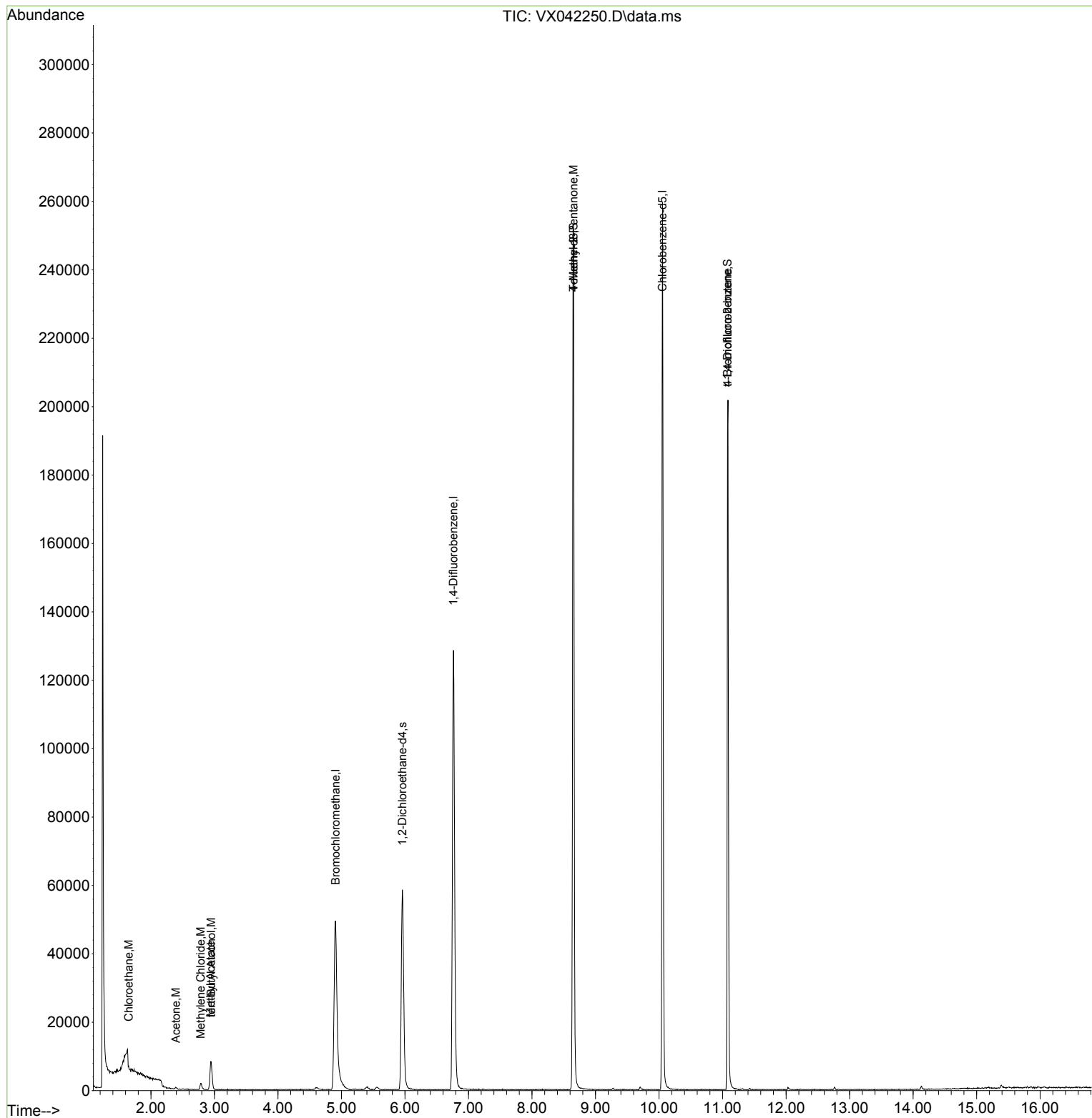
Internal Standards						
1) Bromochloromethane	4.910	128	27202	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	144084	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	130028	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	55611	29.698	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.000%
60) 4-Bromofluorobenzene	11.079	95	54546	27.100	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.333%
63) Toluene-d8	8.653	98	164950	29.651	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.833%
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	322	0.392	ug/l #	77
12) Methyl Acetate	2.941	43	518	0.244	ug/l #	51
15) Acetone	2.392	58	125	0.434	ug/l #	36
18) Methylene Chloride	2.782	84	1066	0.559	ug/l #	81
23) tert-Butyl Alcohol	2.947	59	5129	13.714	ug/l #	100
58) 4-Methyl-2-Pentanone	8.653	43	548	0.235	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25105	33.377	ug/l #	7

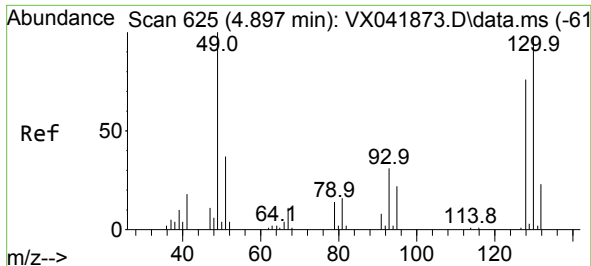
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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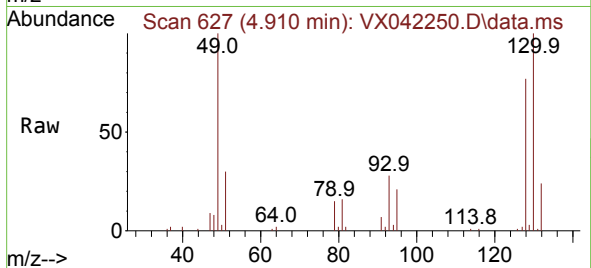
Quant Time: Jul 10 04:58:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



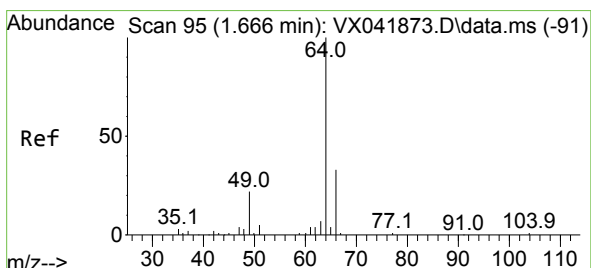
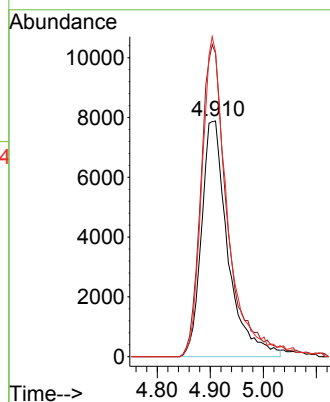
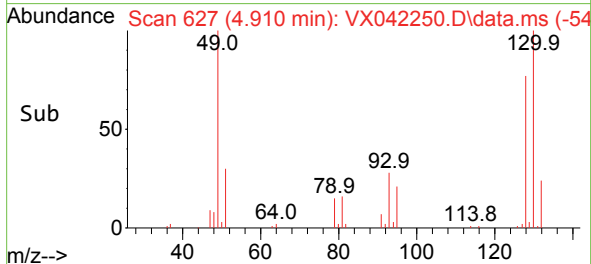


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

Instrument :
MSVOA_X
ClientSampleId :

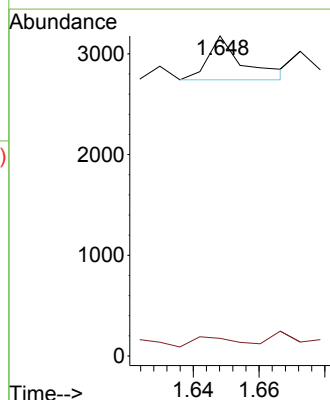
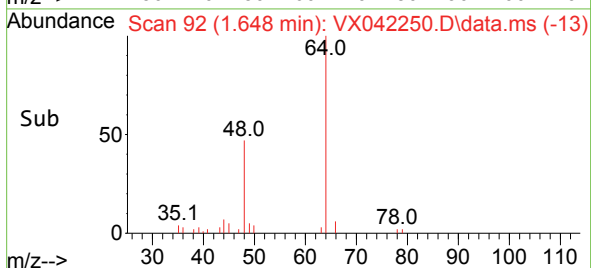
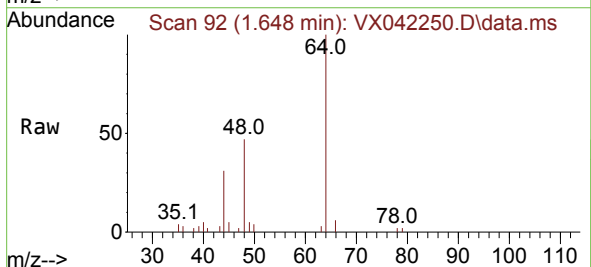


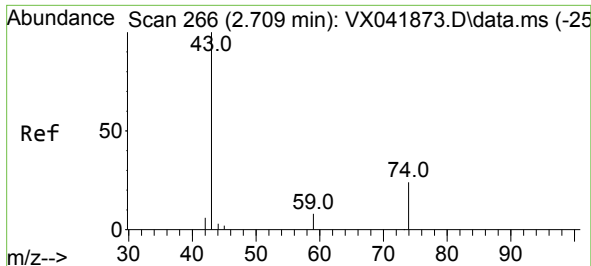
Tgt Ion:128 Resp: 27202
Ion Ratio Lower Upper
128 100
49 127.3 0.0 338.5
130 127.1 0.0 324.5



#6
Chloroethane
Concen: 0.392 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

Tgt Ion: 64 Resp: 322
Ion Ratio Lower Upper
64 100
66 19.8 26.4 39.6#





#12

Methyl Acetate

Concen: 0.244 ug/l

RT: 2.941 min Scan# 304

Delta R.T. 0.232 min

Lab File: VX042250.D

Acq: 09 Jul 2024 16:25

Instrument :

MSVOA_X

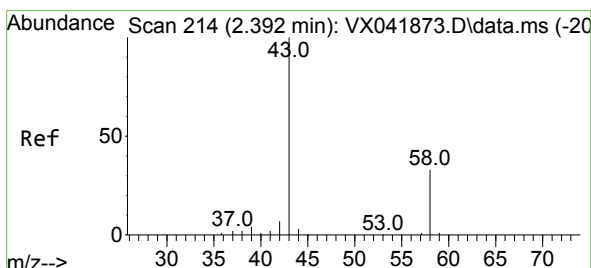
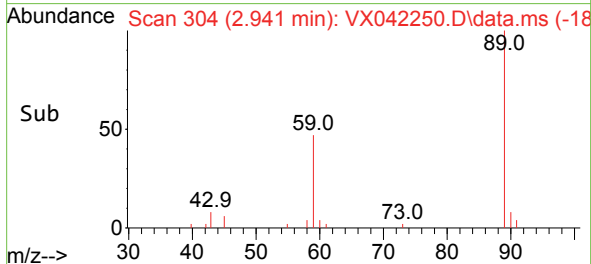
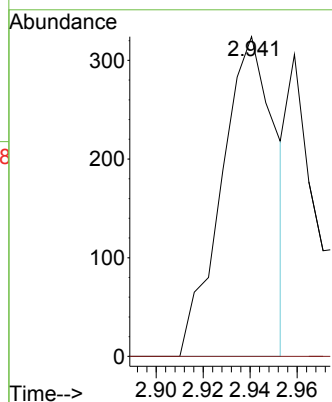
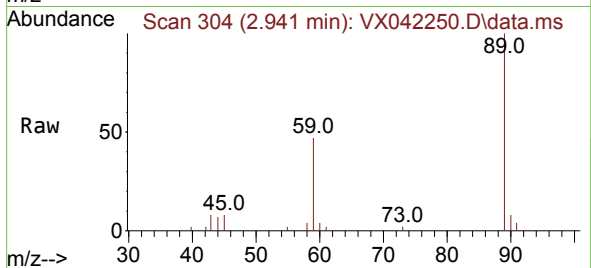
ClientSampleId :

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#15

Acetone

Concen: 0.434 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX042250.D

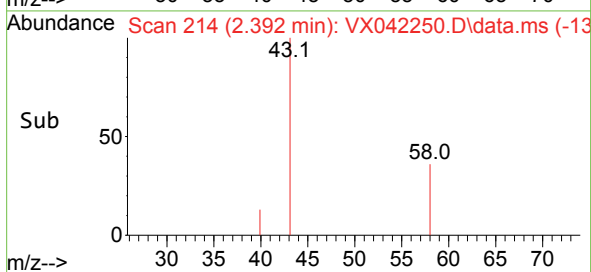
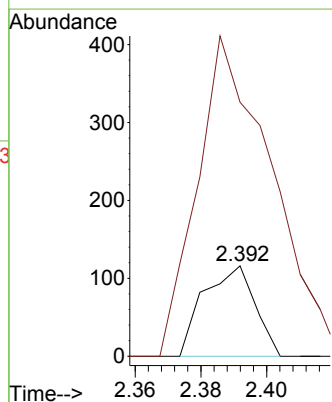
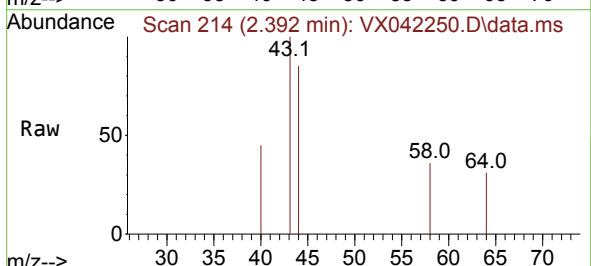
Acq: 09 Jul 2024 16:25

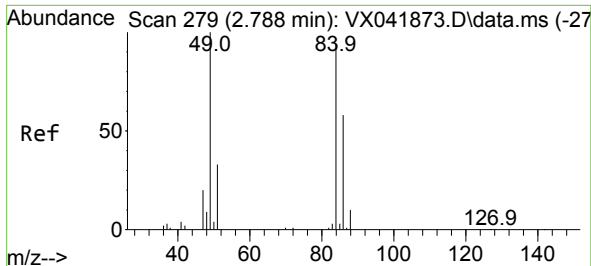
Tgt Ion: 58 Resp: 125

Ion Ratio Lower Upper

58 100

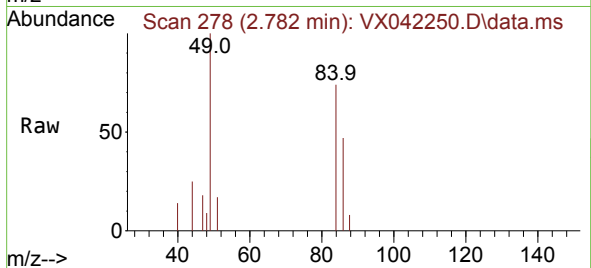
43 178.4 243.4 365.2#



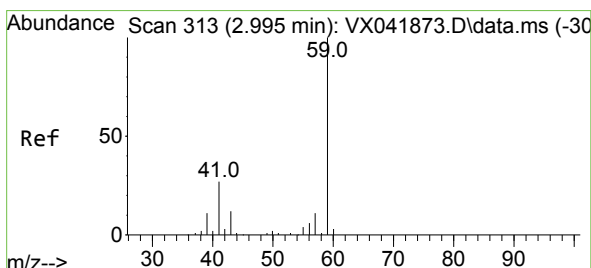
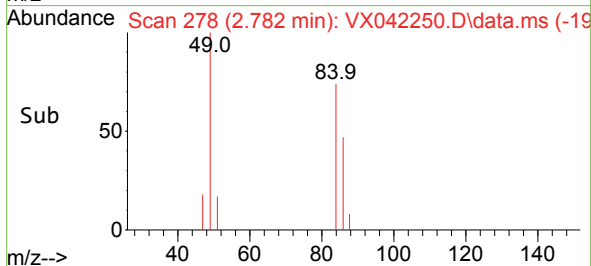
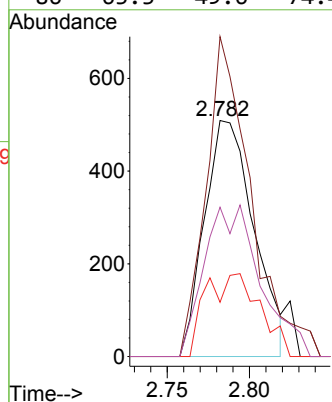


#18
Methylene Chloride
Concen: 0.559 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

Instrument :
MSVOA_X
ClientSampleId :

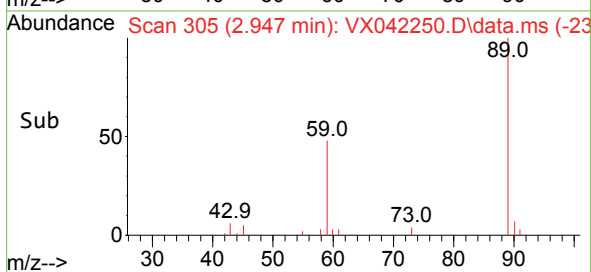
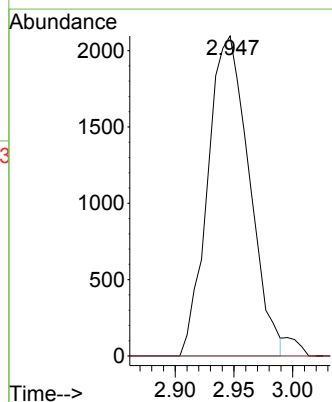
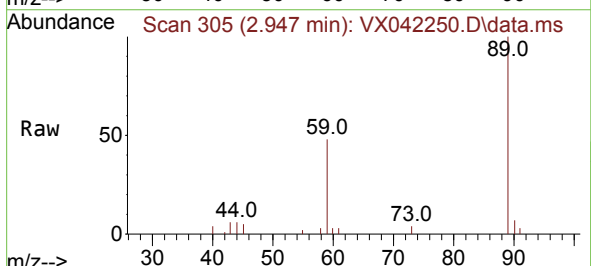


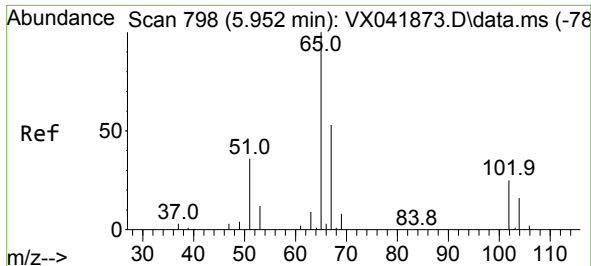
Tgt Ion: 84 Resp: 1066
Ion Ratio Lower Upper
84 100
49 135.6 85.3 127.9#
51 23.0 28.5 42.7#
86 63.3 49.6 74.4



#23
tert-Butyl Alcohol
Concen: 13.714 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

Tgt Ion: 59 Resp: 5129
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.698 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042250.D

Acq: 09 Jul 2024 16:25

Instrument :

MSVOA_X

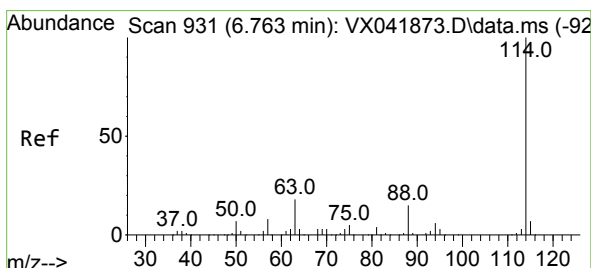
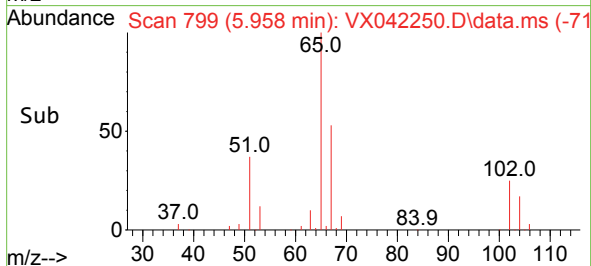
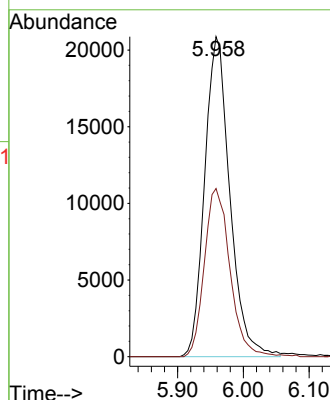
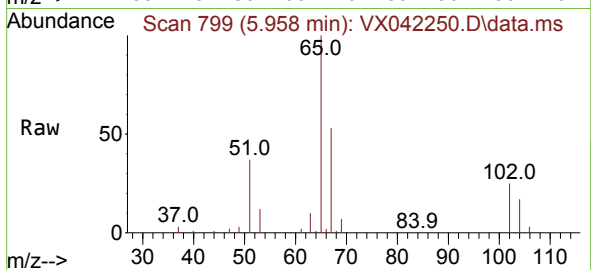
ClientSampleId :

Tgt Ion: 65 Resp: 55611

Ion Ratio Lower Upper

65 100

67 53.3 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: VX042250.D

Acq: 09 Jul 2024 16:25

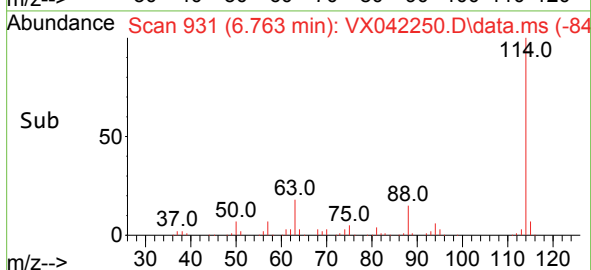
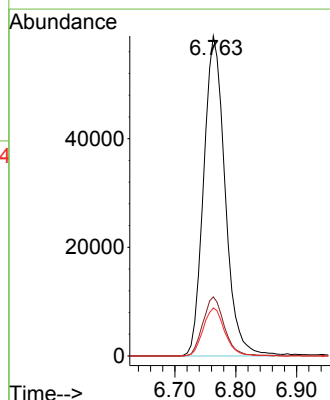
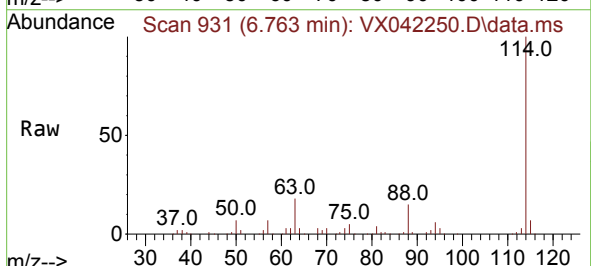
Tgt Ion: 114 Resp: 144084

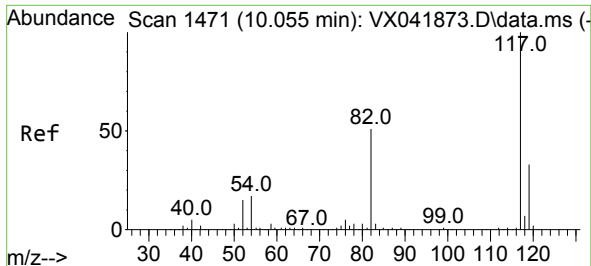
Ion Ratio Lower Upper

114 100

63 18.0 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: VX042250.D

Acq: 09 Jul 2024 16:25

Instrument :

MSVOA_X

ClientSampleId :

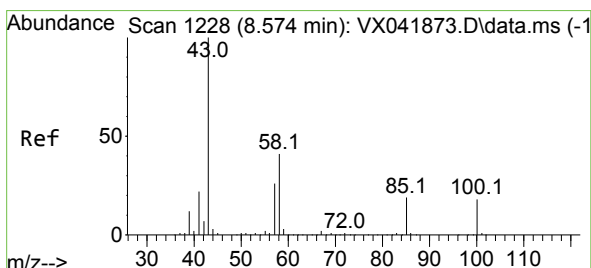
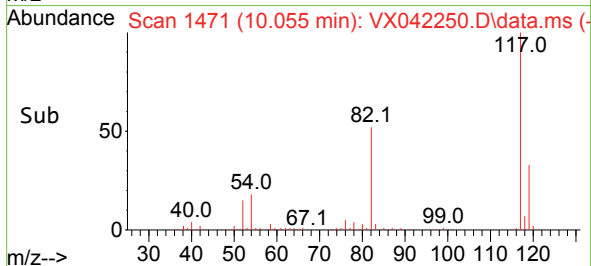
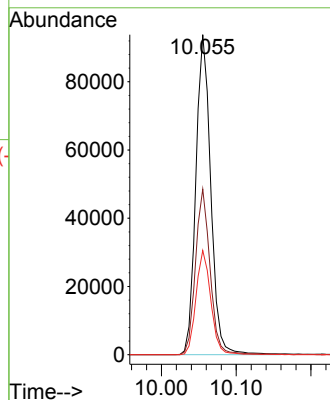
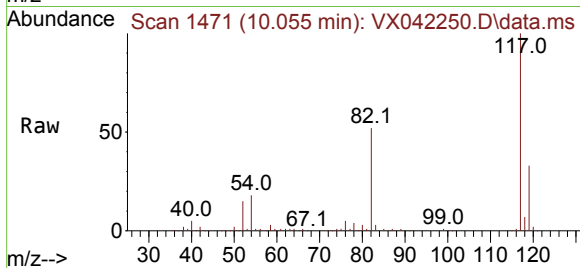
Tgt Ion:117 Resp: 130028

Ion Ratio Lower Upper

117 100

82 50.5 41.1 61.7

119 32.4 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX042250.D

Acq: 09 Jul 2024 16:25

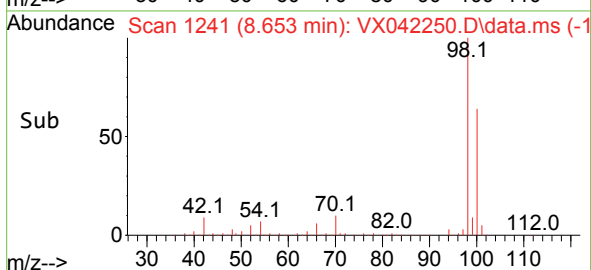
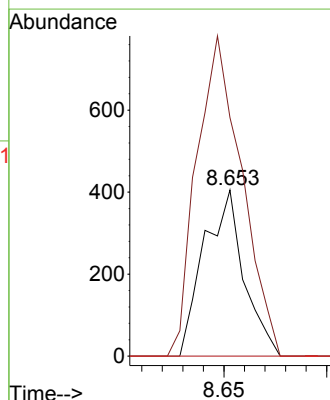
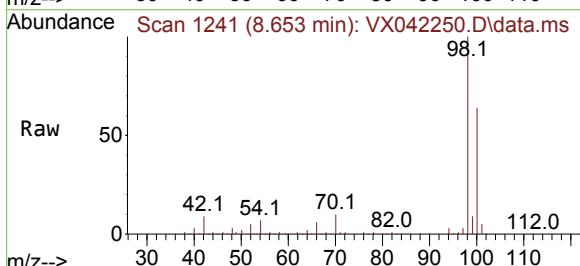
Tgt Ion: 43 Resp: 548

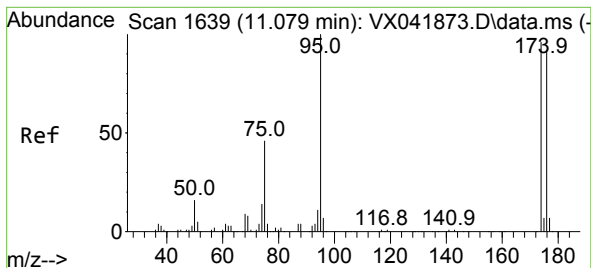
Ion Ratio Lower Upper

43 100

58 217.3 33.2 49.8#

85 0.0 15.5 23.3#

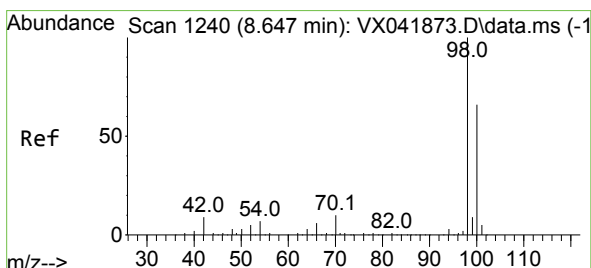
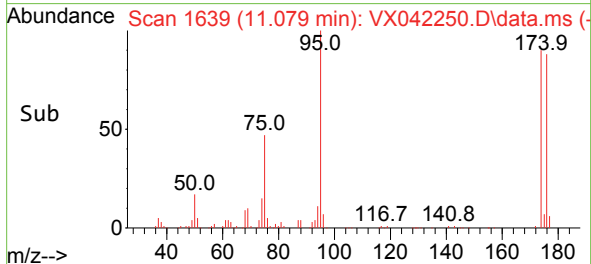
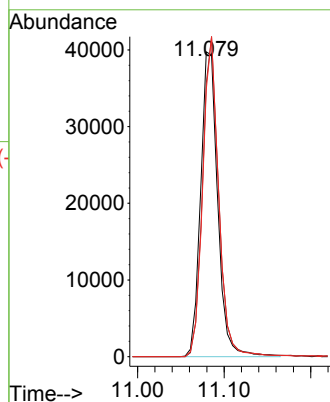
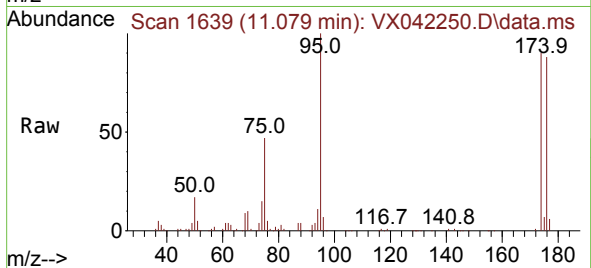




#60
4-Bromofluorobenzene
Concen: 27.100 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

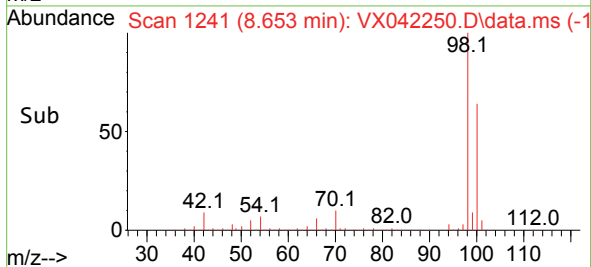
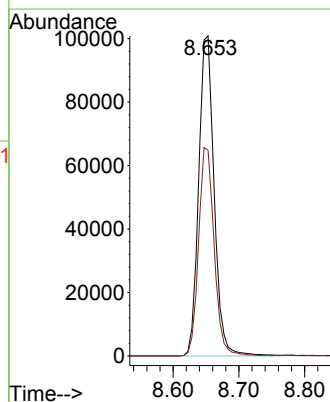
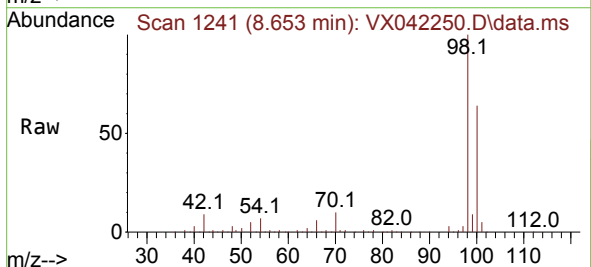
Instrument :
MSVOA_X
ClientSampleId :

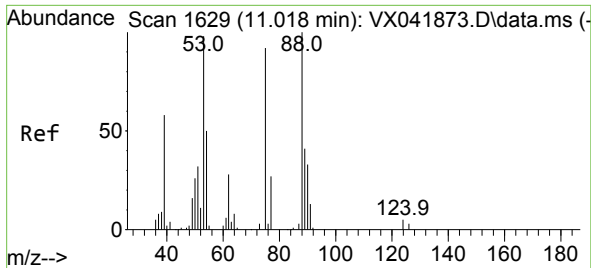
Tgt Ion: 95 Resp: 54546
Ion Ratio Lower Upper
95 100
174 98.7 78.9 118.3
176 97.5 77.1 115.7



#63
Toluene-d8
Concen: 29.651 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX042250.D
Acq: 09 Jul 2024 16:25

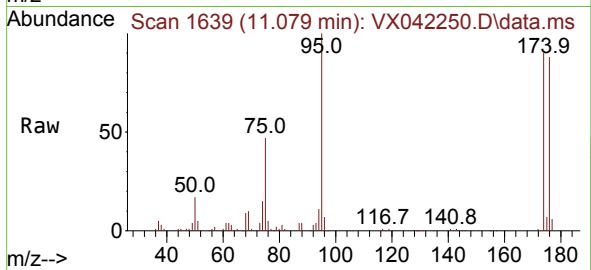
Tgt Ion: 98 Resp: 164950
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.377 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042250.D
 Acq: 09 Jul 2024 16:25

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25105
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

