

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041962.D
 Acq On : 20 Jun 2024 13:48
 Operator : JC/MD
 Sample : P2933-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:17:04 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)

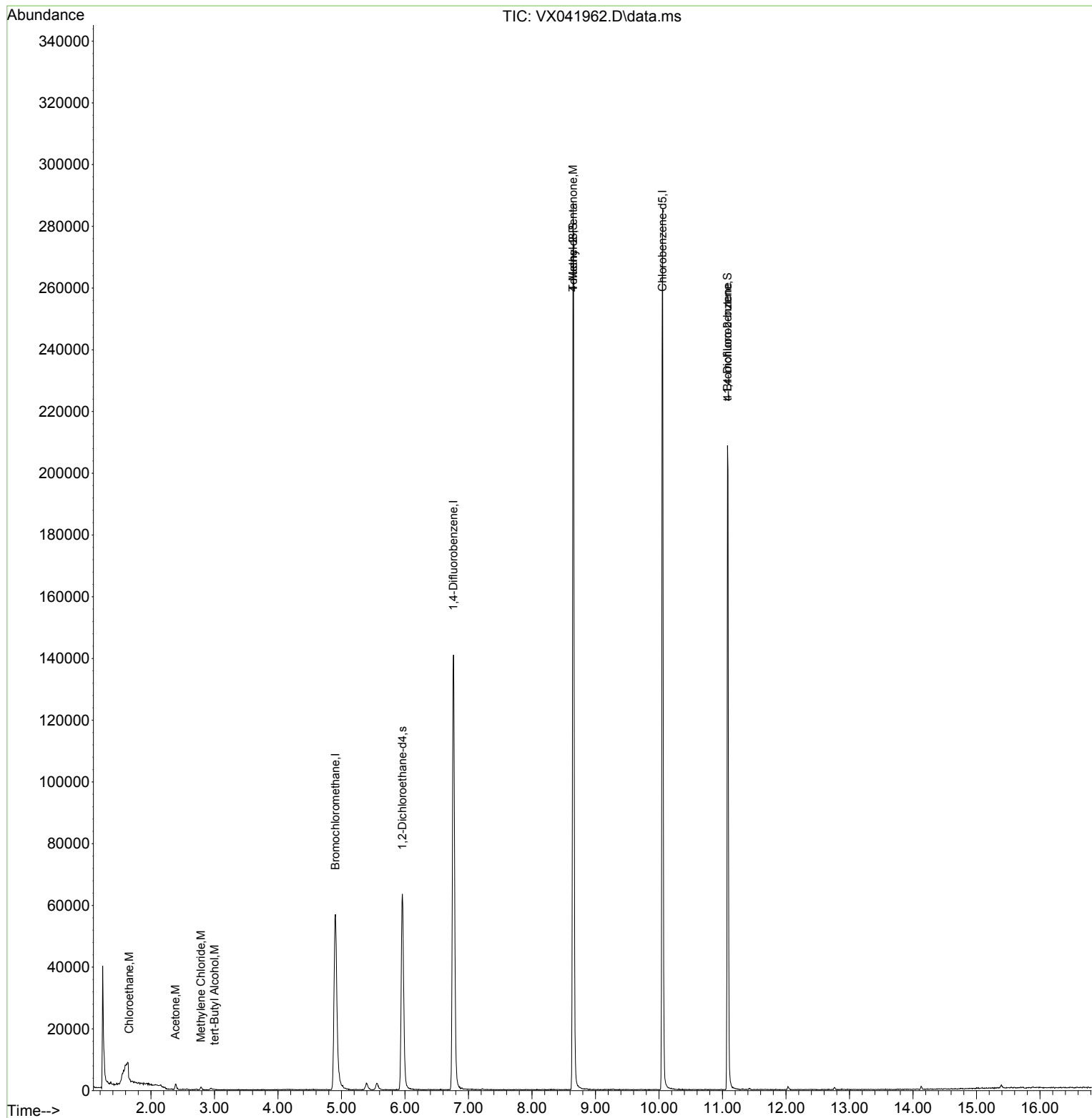
Internal Standards						
1) Bromochloromethane	4.904	128	29572	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157451	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	139511	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61830	30.373	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.233%
60) 4-Bromofluorobenzene	11.079	95	57380	26.571	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.567%
63) Toluene-d8	8.647	98	181150	30.350	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.167%
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	381	0.426	ug/l	93
15) Acetone	2.386	58	723	2.311	ug/l	94
18) Methylene Chloride	2.788	84	427	0.206	ug/l #	77
23) tert-Butyl Alcohol	3.002	59	156	0.384	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	662	0.265	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26030	32.254	ug/l #	7

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

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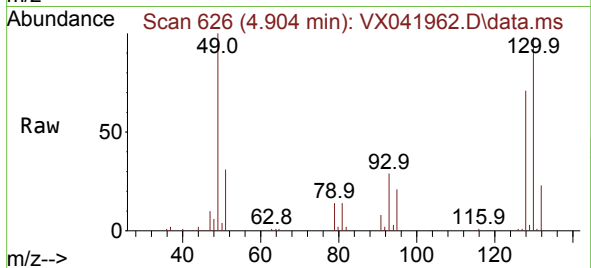
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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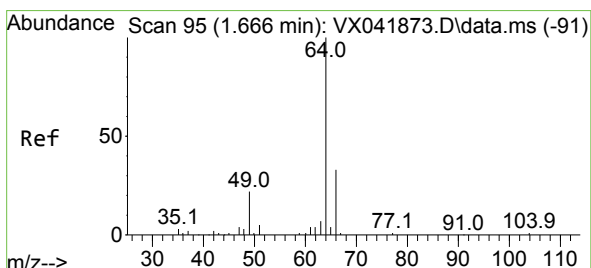
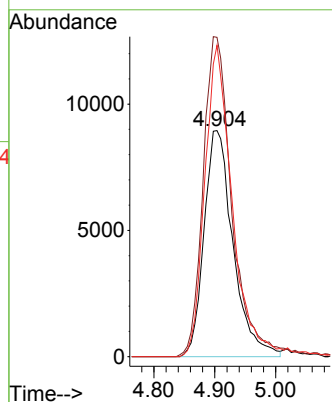
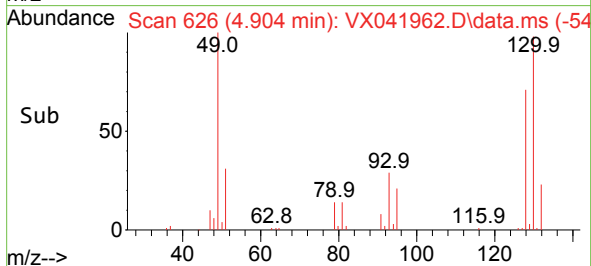


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :

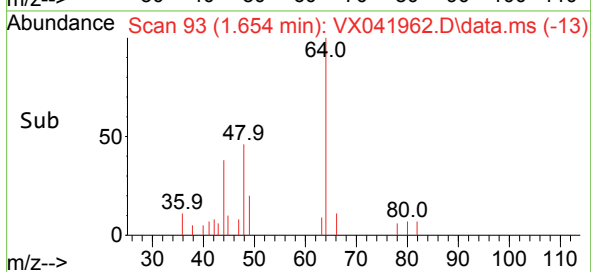
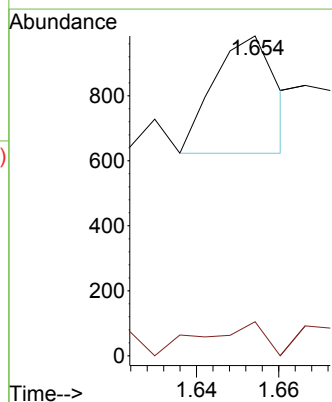
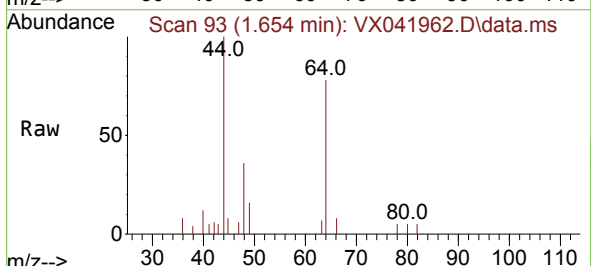


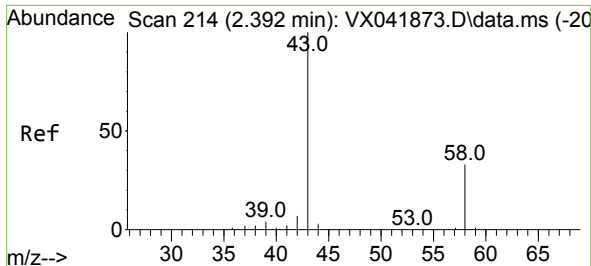
Tgt Ion:128 Resp: 29572
Ion Ratio Lower Upper
128 100
49 141.4 0.0 338.5
130 130.2 0.0 324.5



#6
Chloroethane
Concen: 0.426 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Tgt Ion: 64 Resp: 381
Ion Ratio Lower Upper
64 100
66 29.1 26.4 39.6





#15

Acetone

Concen: 2.311 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041962.D

Acq: 20 Jun 2024 13:48

Instrument :

MSVOA_X

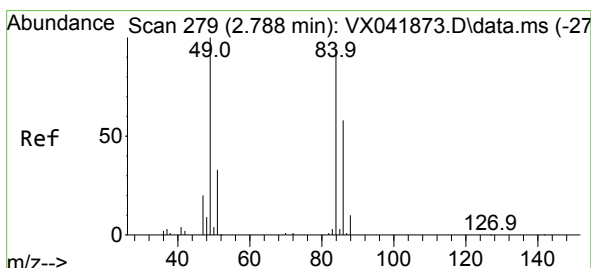
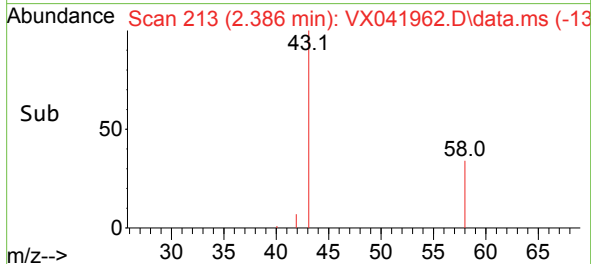
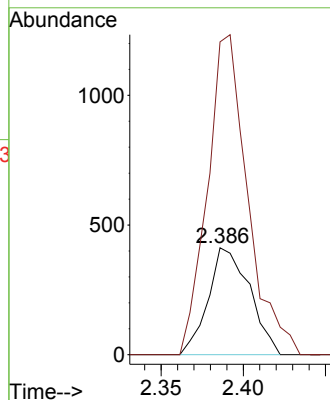
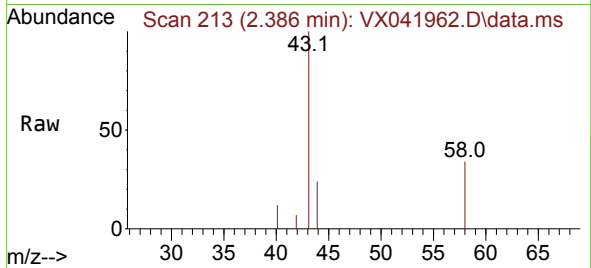
ClientSampleId :

Tgt Ion: 58 Resp: 723

Ion Ratio Lower Upper

58 100

43 292.7 243.4 365.2



#18

Methylene Chloride

Concen: 0.206 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041962.D

Acq: 20 Jun 2024 13:48

Tgt Ion: 84 Resp: 427

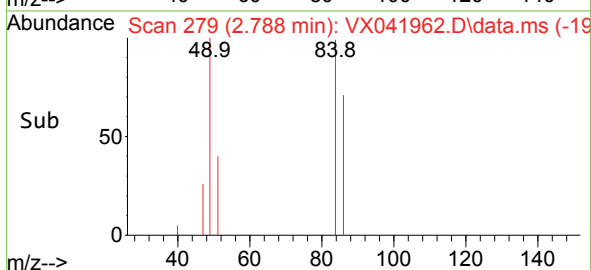
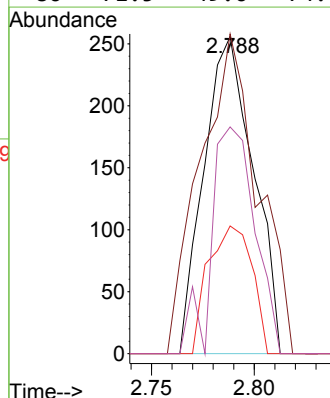
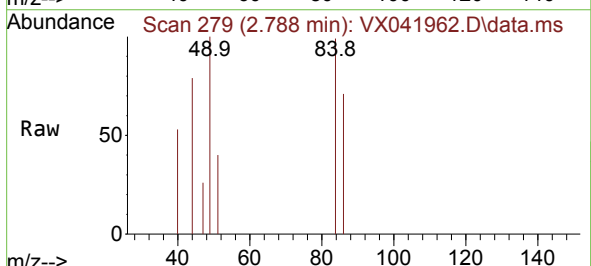
Ion Ratio Lower Upper

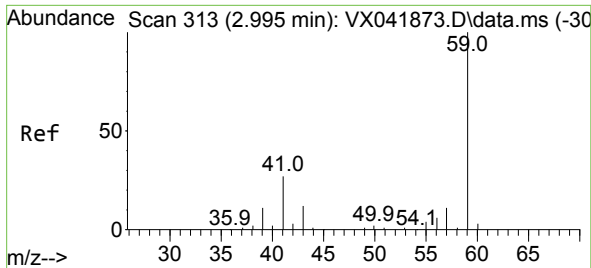
84 100

49 71.5 85.3 127.9#

51 40.2 28.5 42.7

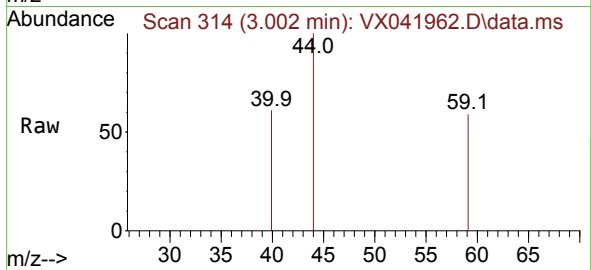
86 71.5 49.6 74.4



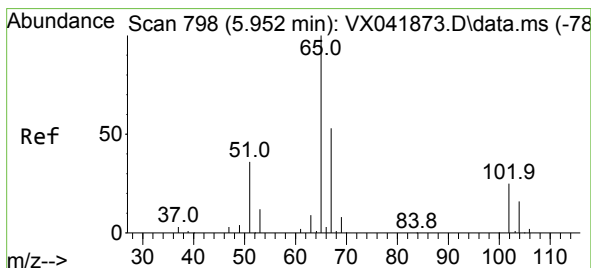
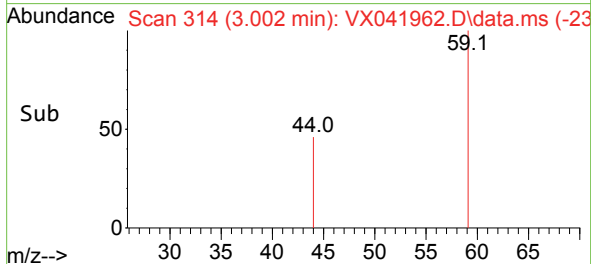
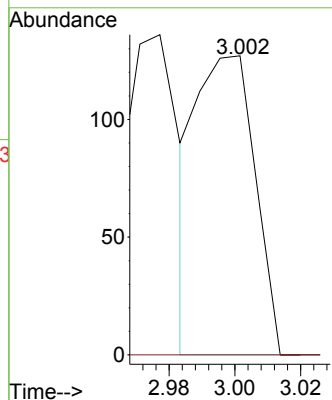


#23
tert-Butyl Alcohol
Concen: 0.384 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :

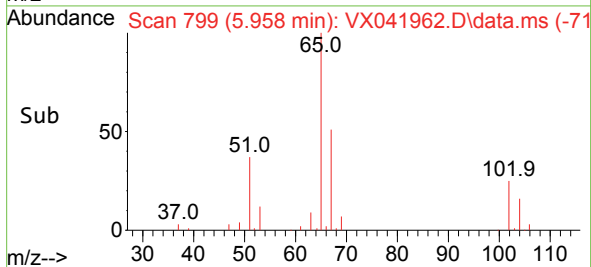
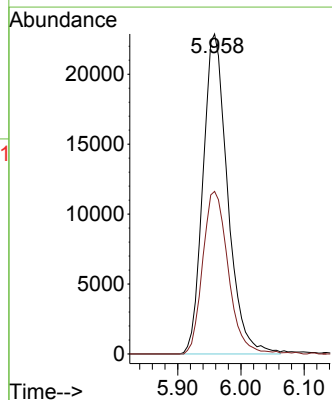
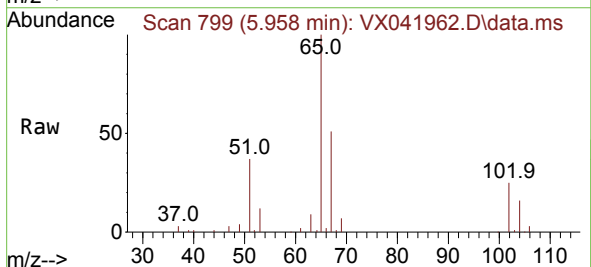


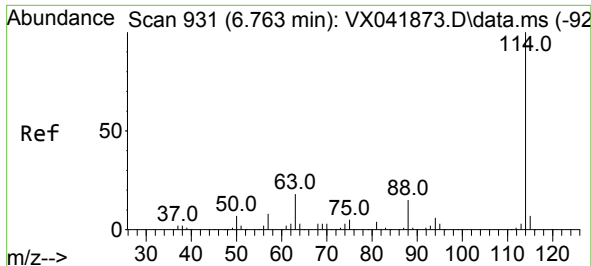
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.373 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Tgt Ion: 65 Resp: 61830
Ion Ratio Lower Upper
65 100
67 52.6 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: VX041962.D

Acq: 20 Jun 2024 13:48

Instrument :

MSVOA_X

ClientSampleId :

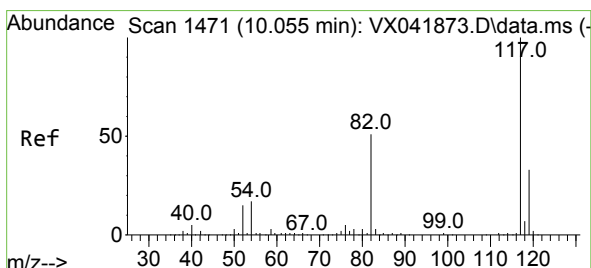
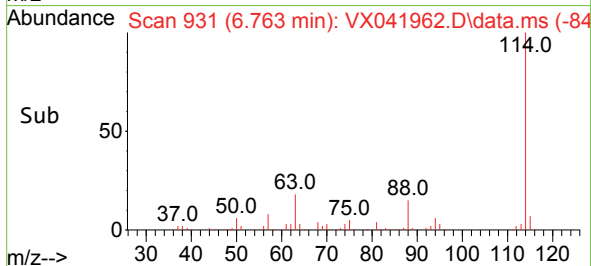
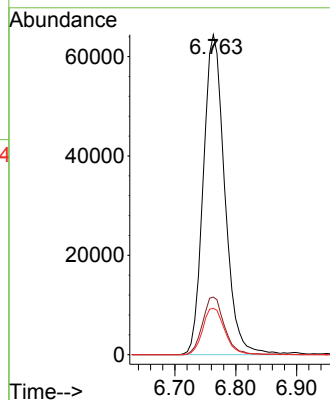
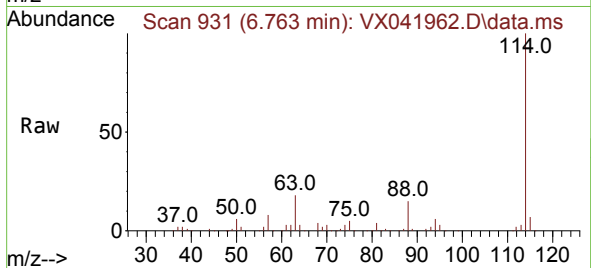
Tgt Ion:114 Resp: 157451

Ion Ratio Lower Upper

114 100

63 18.3 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: VX041962.D

Acq: 20 Jun 2024 13:48

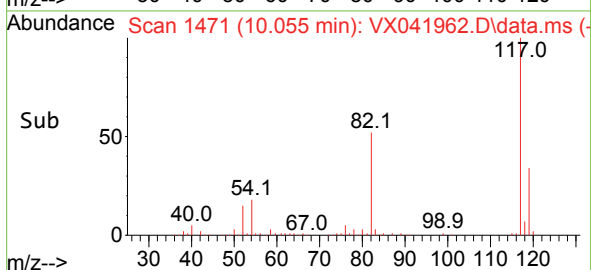
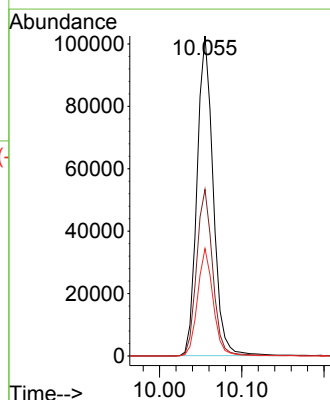
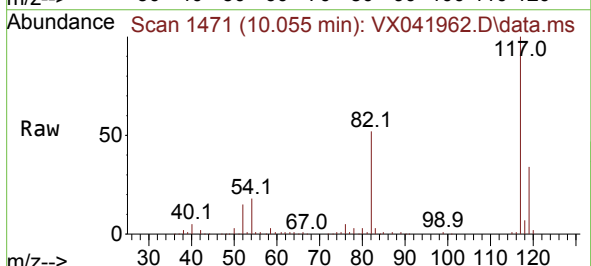
Tgt Ion:117 Resp: 139511

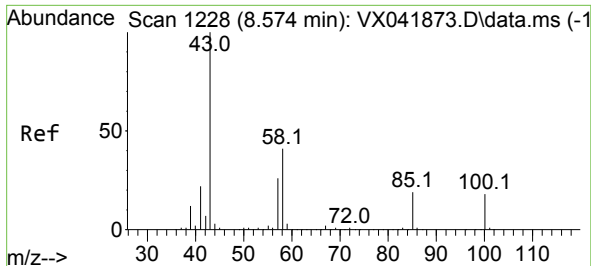
Ion Ratio Lower Upper

117 100

82 51.8 41.1 61.7

119 32.5 26.1 39.1

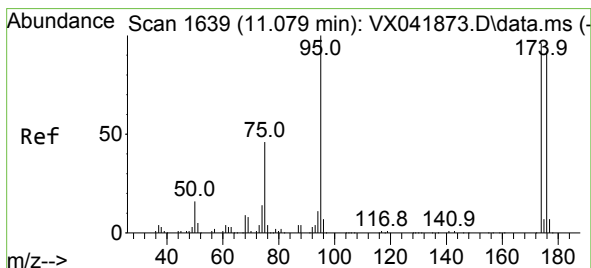
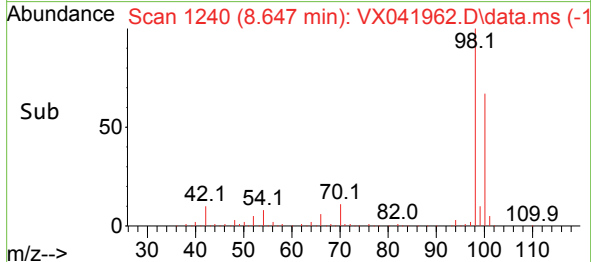
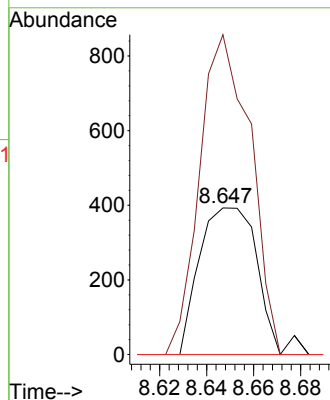
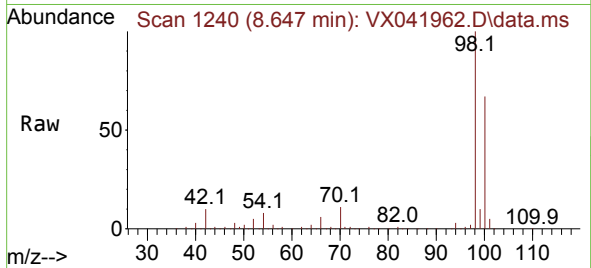




#58
 4-Methyl-2-Pentanone
 Concen: 0.265 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX041962.D
 Acq: 20 Jun 2024 13:48

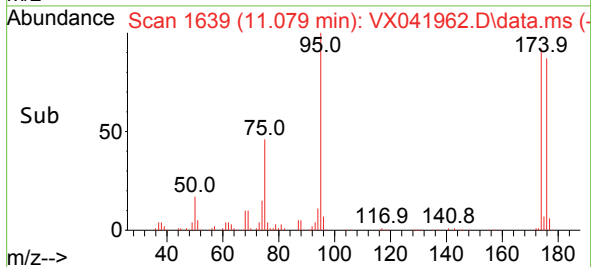
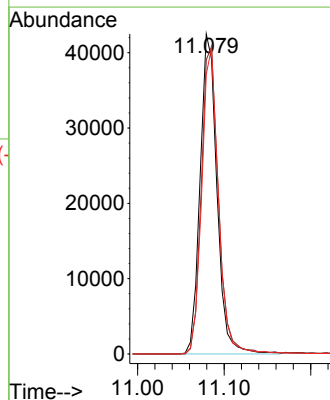
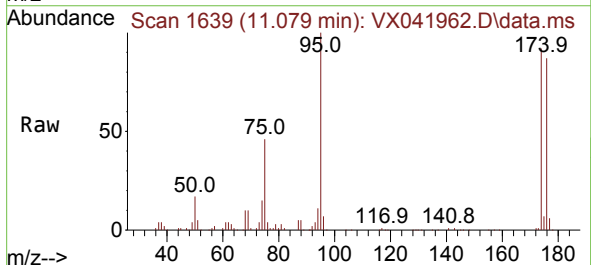
Instrument :
 MSVOA_X
 ClientSampleId :

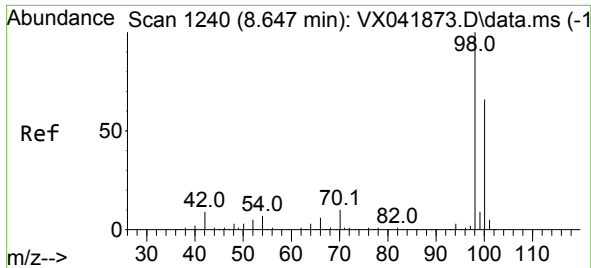
Tgt Ion: 43 Resp: 662
 Ion Ratio Lower Upper
 43 100
 58 194.7 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 26.571 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX041962.D
 Acq: 20 Jun 2024 13:48

Tgt Ion: 95 Resp: 57380
 Ion Ratio Lower Upper
 95 100
 174 96.8 78.9 118.3
 176 94.3 77.1 115.7

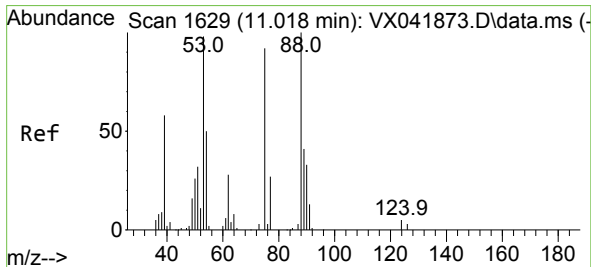
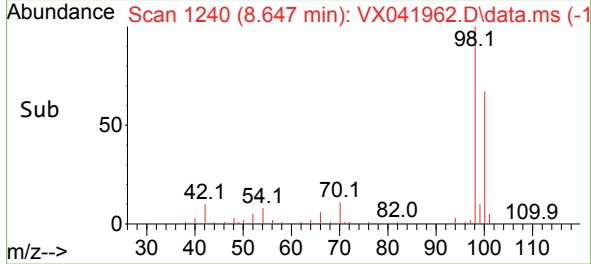
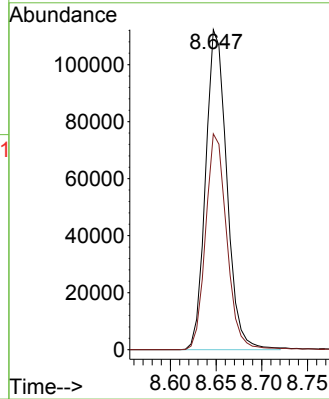
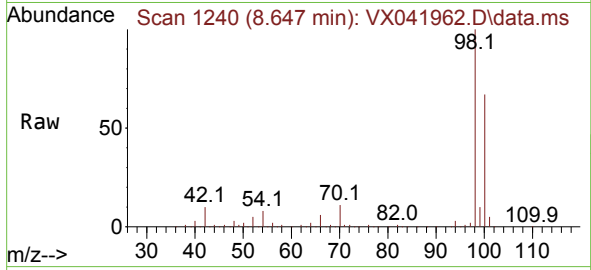




#63
Toluene-d8
Concen: 30.350 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 181150
Ion Ratio Lower Upper
98 100
100 67.3 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041962.D
Acq: 20 Jun 2024 13:48

Tgt Ion: 75 Resp: 26030
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.3 22.5 67.5#

