

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042957.D
 Acq On : 08 Aug 2024 16:10
 Operator : JC/MD
 Sample : PB162548ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#11

Quant Time: Aug 09 05:11:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

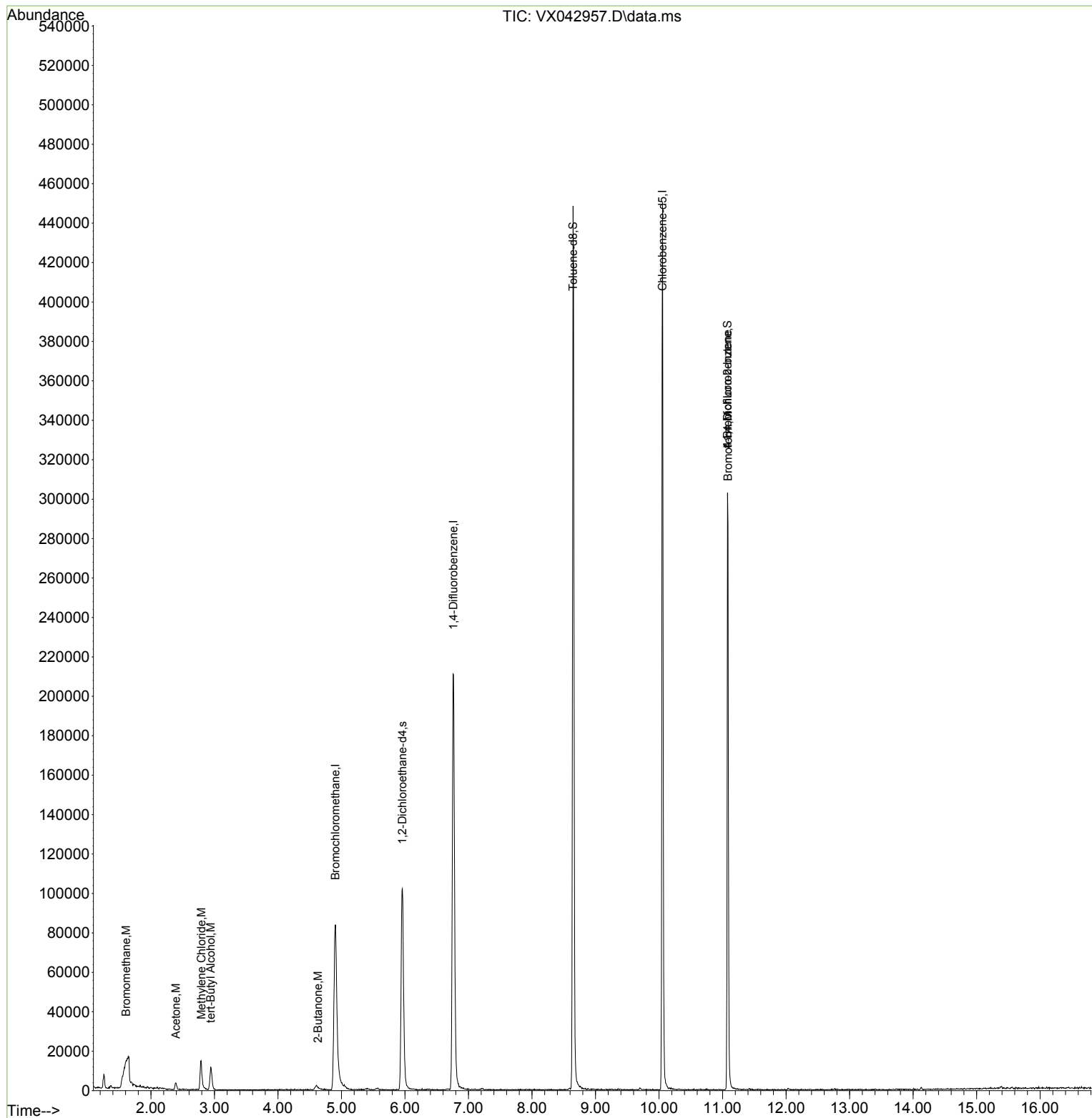
Internal Standards						
1) Bromochloromethane	4.903	128	39257	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	224211	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	201938	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	103889	28.659	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.533%
60) 4-Bromofluorobenzene	11.079	95	83974	25.489	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.967%
63) Toluene-d8	8.647	98	272850	29.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	391	0.284	ug/l	93
15) Acetone	2.392	58	1255	2.480	ug/l #	64
18) Methylene Chloride	2.794	84	8308	3.049	ug/l #	82
23) tert-Butyl Alcohol	2.940	59	7184	9.982	ug/l #	100
30) 2-Butanone	4.629	43	530	0.249	ug/l #	55
56) Bromoform	11.085	173	667	0.329	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	41605	36.834	ug/l #	11

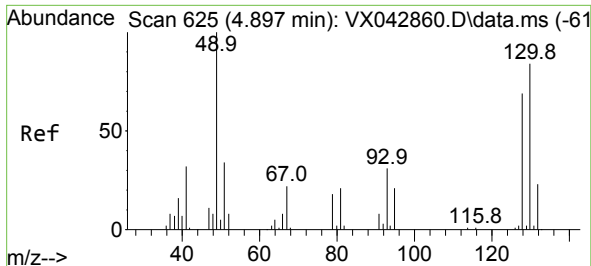
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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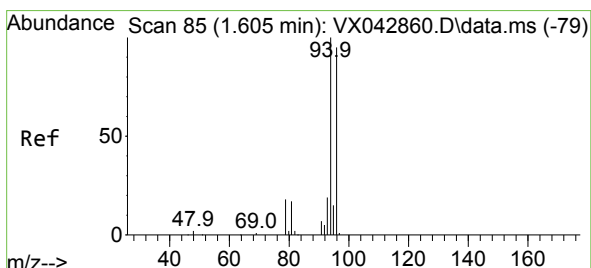
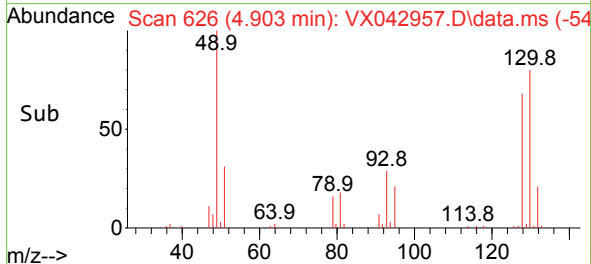
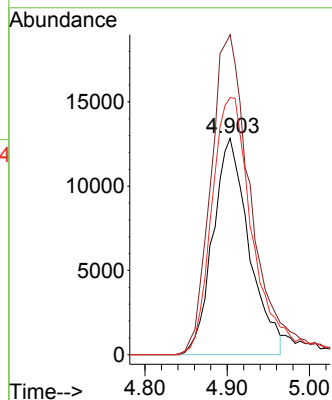
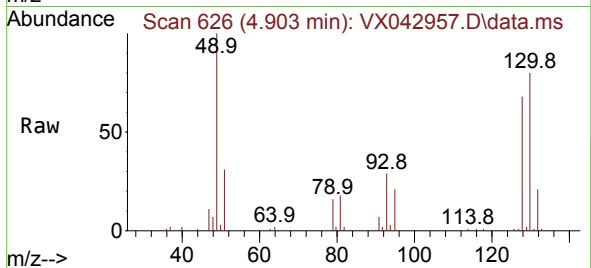




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

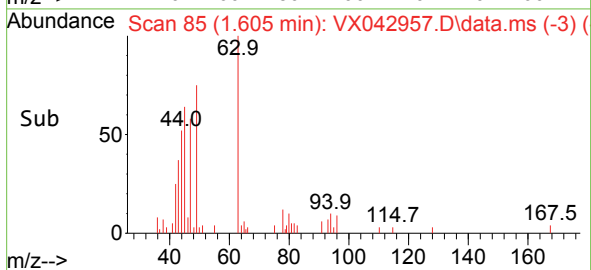
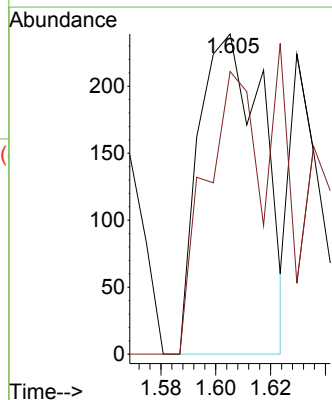
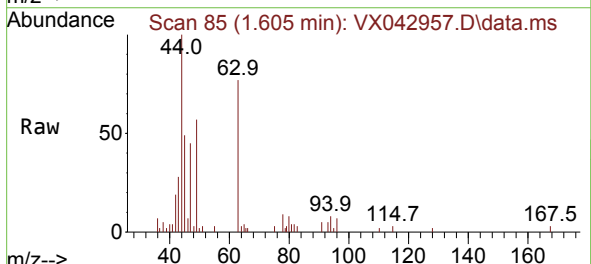
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#11

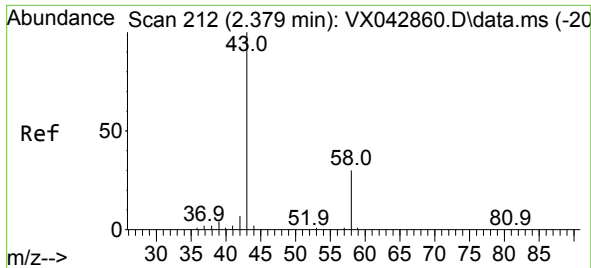
Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.5	0.0	400.5
130	134.1	0.0	333.0



#5
Bromomethane
Concen: 0.284 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.000 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

Tgt Ion	Ratio	Lower	Upper
94	100		
96	88.3	76.2	114.4

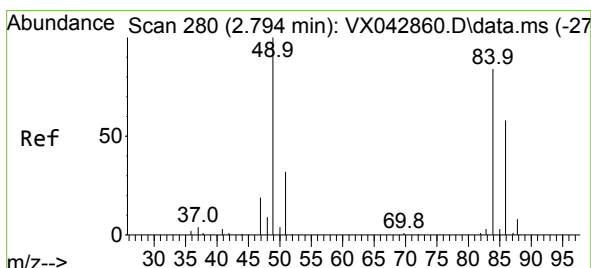
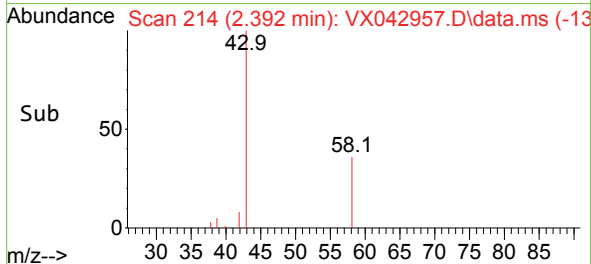
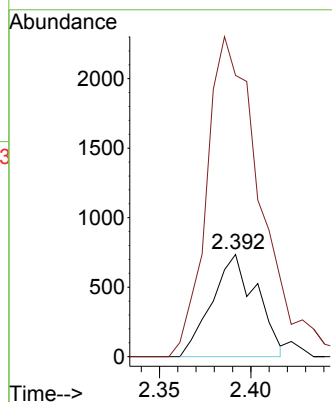
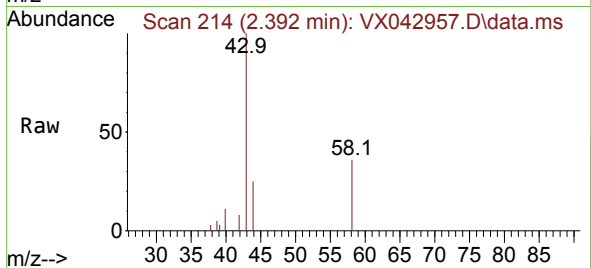




#15
Acetone
Concen: 2.480 ug/l
RT: 2.392 min Scan# 212
Delta R.T. 0.012 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

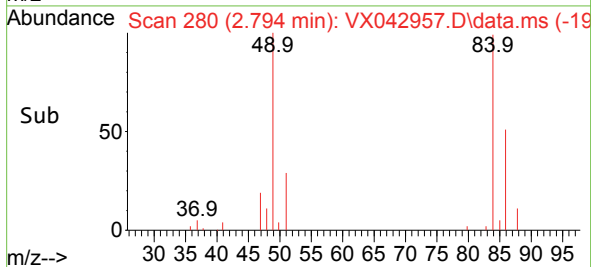
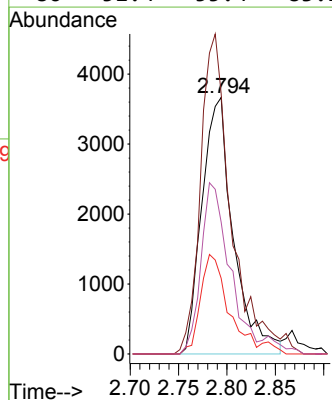
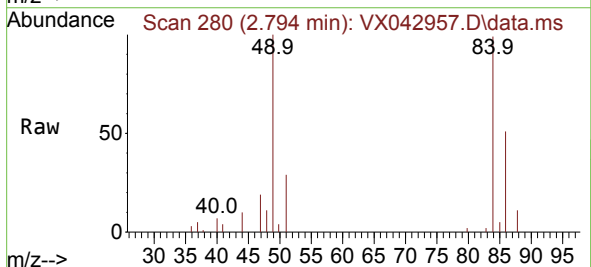
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#11

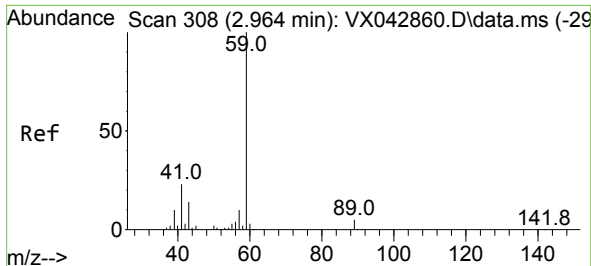
Tgt Ion: 58 Resp: 1255
Ion Ratio Lower Upper
58 100
43 260.9 269.9 404.9#



#18
Methylene Chloride
Concen: 3.049 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

Tgt Ion: 84 Resp: 8308
Ion Ratio Lower Upper
84 100
49 99.8 95.0 142.6
51 29.5 30.1 45.1#
86 51.4 55.4 83.2#

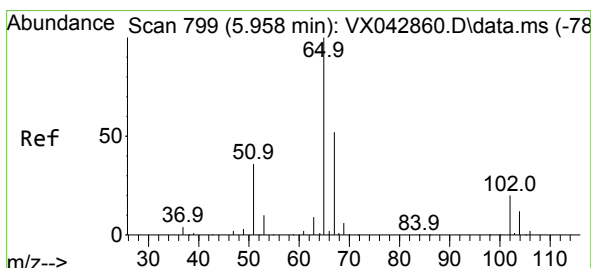
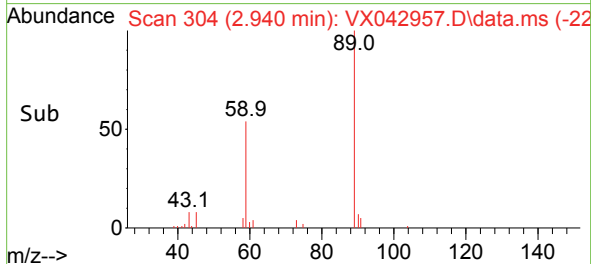
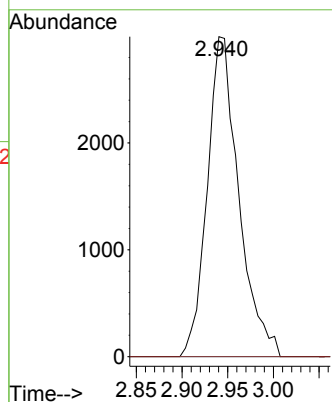
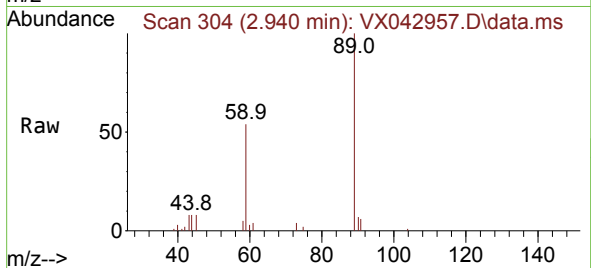




#23
tert-Butyl Alcohol
Concen: 9.982 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

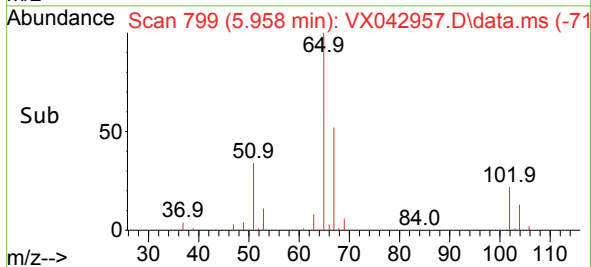
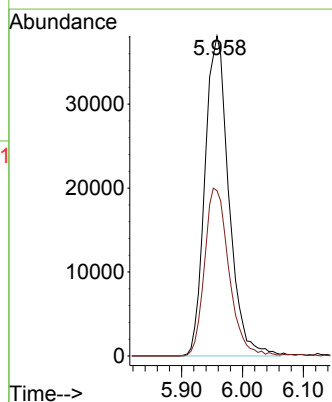
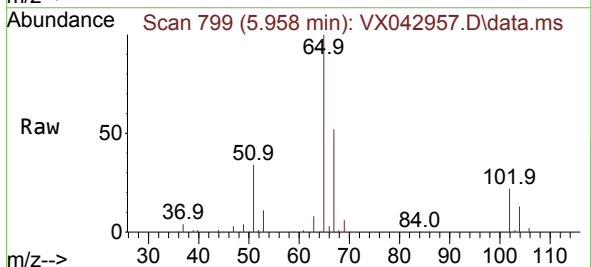
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#11

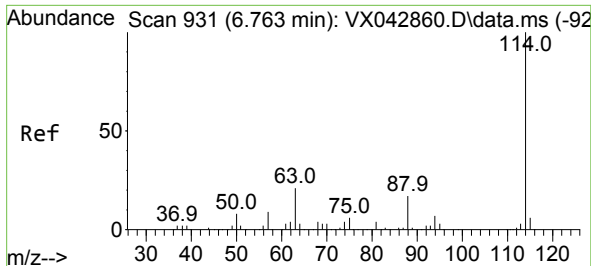
Tgt Ion: 59 Resp: 7184
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 28.659 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

Tgt Ion: 65 Resp: 103889
Ion Ratio Lower Upper
65 100
67 53.1 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX042957.D

Acq: 08 Aug 2024 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#11

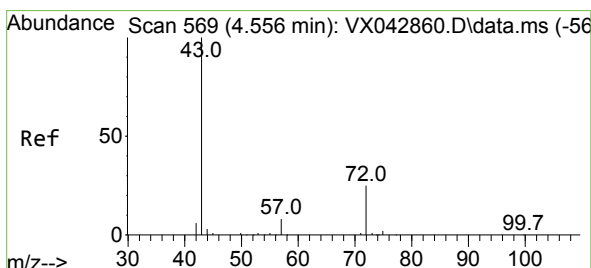
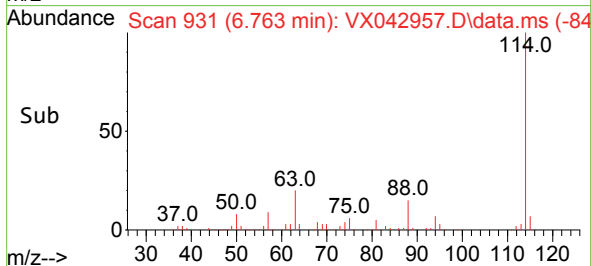
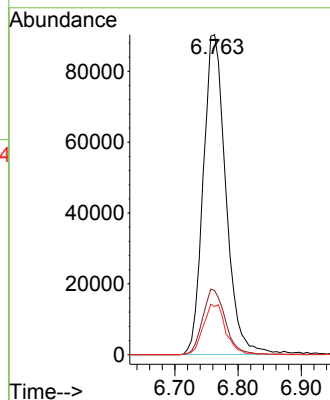
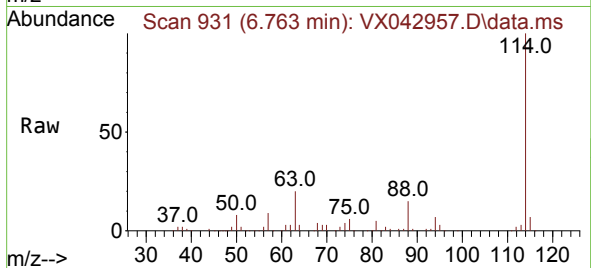
Tgt Ion:114 Resp: 224211

Ion Ratio Lower Upper

114 100

63 20.5 16.0 24.0

88 15.5 12.5 18.7



#30

2-Butanone

Concen: 0.249 ug/l

RT: 4.629 min Scan# 581

Delta R.T. 0.073 min

Lab File: VX042957.D

Acq: 08 Aug 2024 16:10

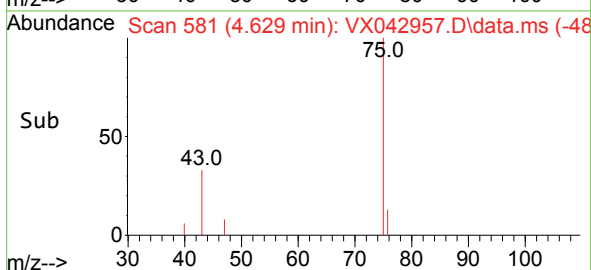
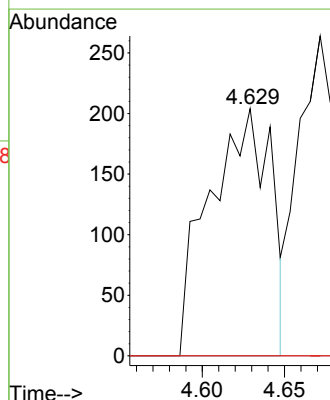
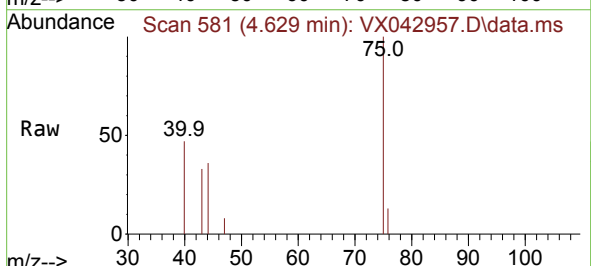
Tgt Ion: 43 Resp: 530

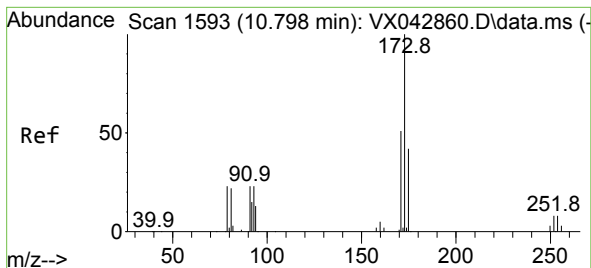
Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 21.0 31.4#





#56

Bromoform

Concen: 0.329 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX042957.D

Acq: 08 Aug 2024 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#11

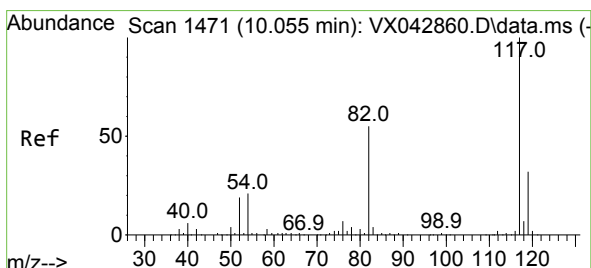
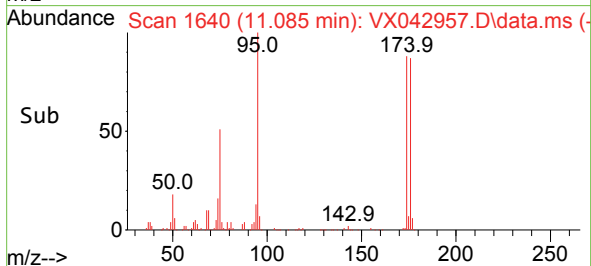
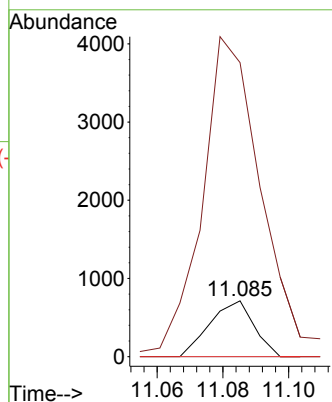
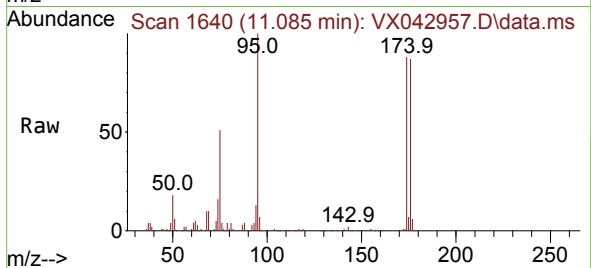
Tgt Ion:173 Resp: 667

Ion Ratio Lower Upper

173 100

175 776.2 37.1 55.7#

254 0.0 6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042957.D

Acq: 08 Aug 2024 16:10

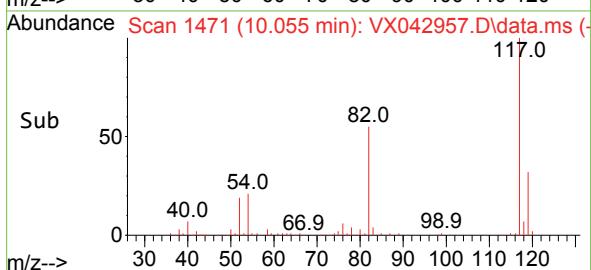
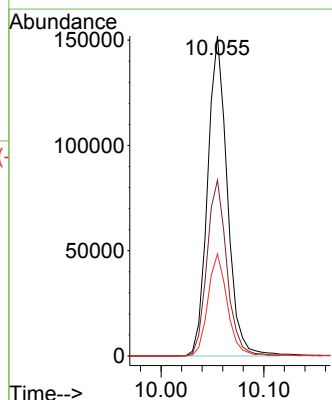
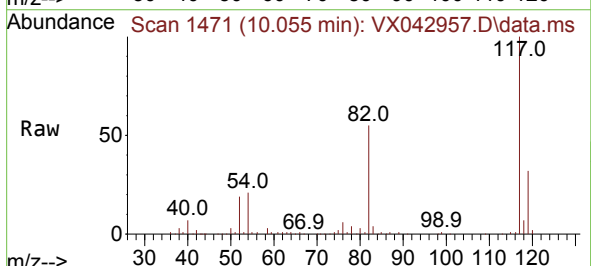
Tgt Ion:117 Resp: 201938

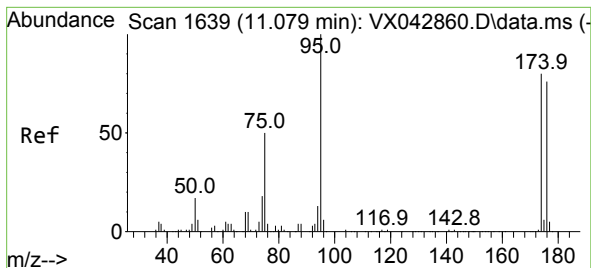
Ion Ratio Lower Upper

117 100

82 56.0 44.9 67.3

119 31.6 25.4 38.2

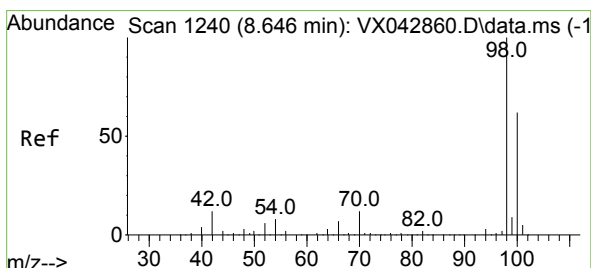
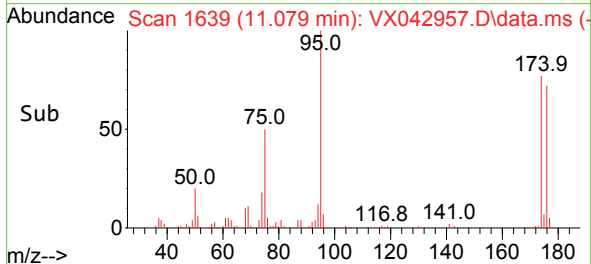
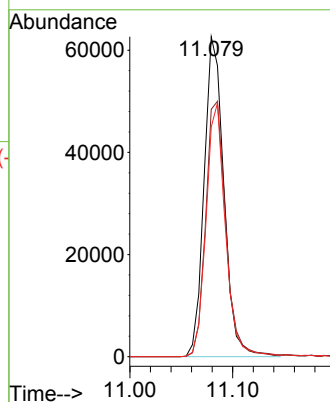
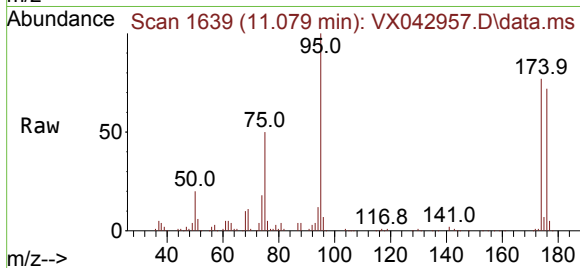




#60
4-Bromofluorobenzene
Concen: 25.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

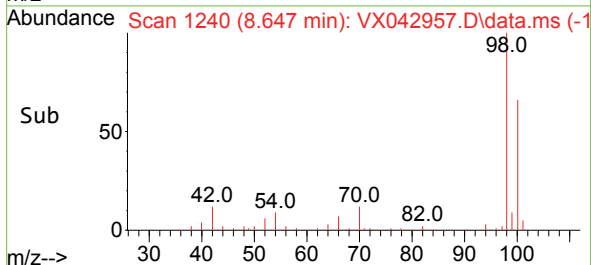
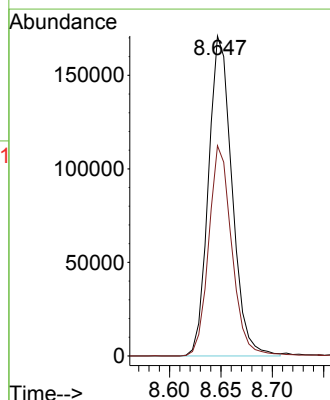
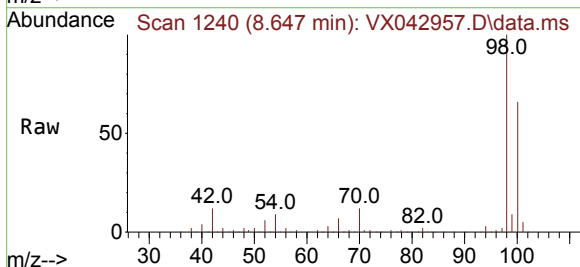
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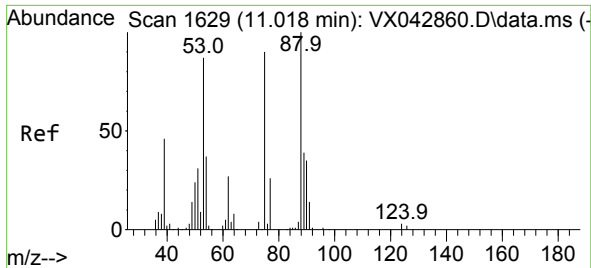
Tgt Ion: 95 Resp: 83974
Ion Ratio Lower Upper
95 100
174 81.1 65.0 97.6
176 77.4 63.4 95.0



#63
Toluene-d8
Concen: 29.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042957.D
Acq: 08 Aug 2024 16:10

Tgt Ion: 98 Resp: 272850
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3





#77

t-1,4-Dichloro-2-butene

Concen: 36.834 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX042957.D

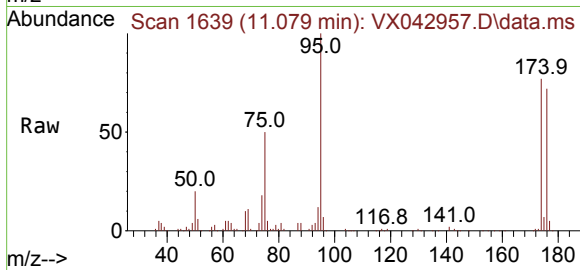
Acq: 08 Aug 2024 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#11



Tgt Ion: 75 Resp: 41605

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.5#

89 0.0 21.9 65.5#

