

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043064.D
 Acq On : 16 Aug 2024 09:56
 Operator : JC/MD
 Sample : VX0816WMBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 23:52:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

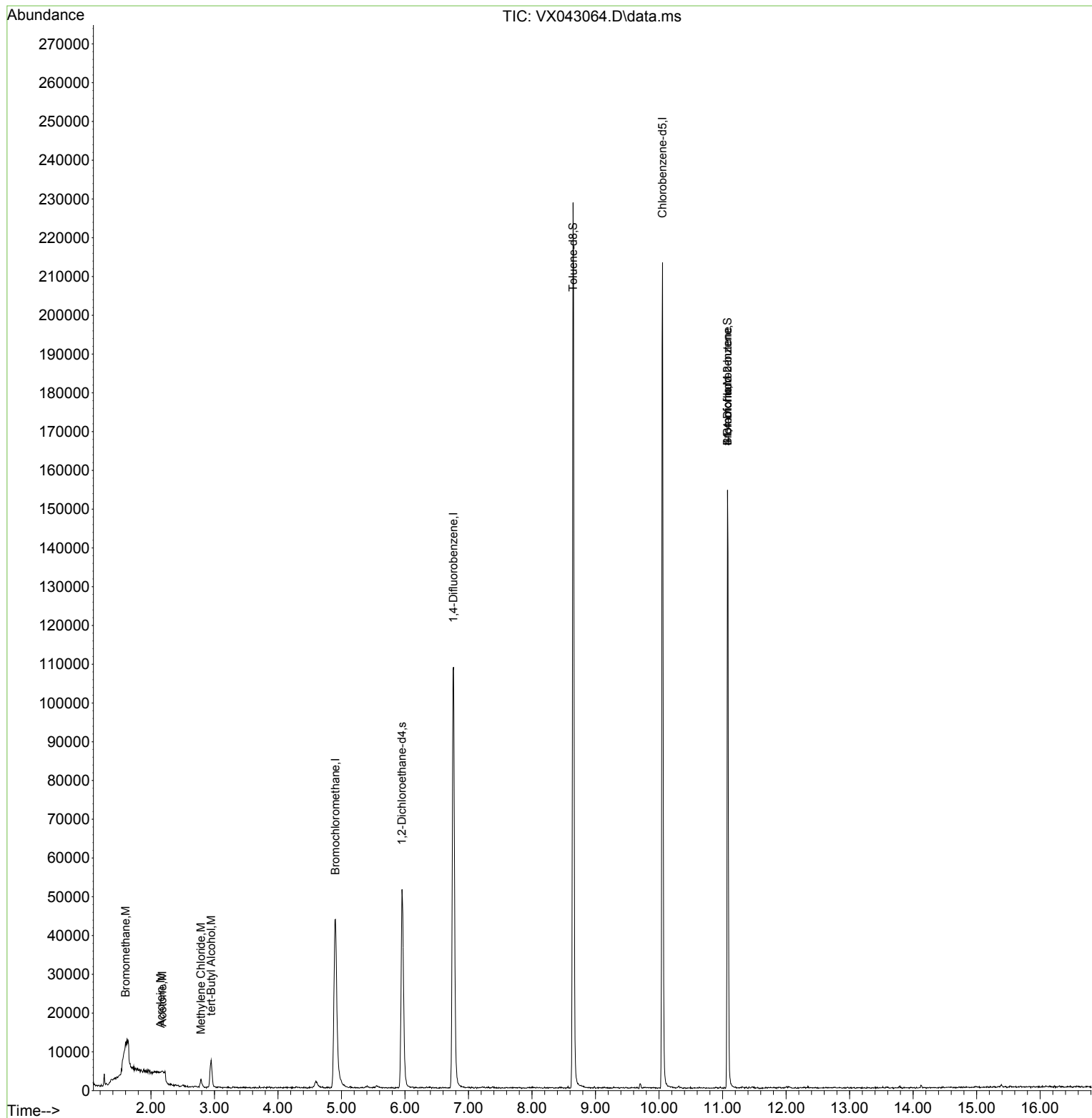
Internal Standards						
1) Bromochloromethane	4.904	128	20409	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	118690	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100180	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46251	27.996	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.333%
60) 4-Bromofluorobenzene	11.079	95	43606	25.640	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.467%
63) Toluene-d8	8.647	98	140234	30.473	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.567%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	412	0.964	ug/l	84
13) Acrolein	2.154	56	147	0.352	ug/l	91
15) Acetone	2.178	58	86	0.320	ug/l #	1
18) Methylene Chloride	2.788	84	998	0.613	ug/l #	82
23) tert-Butyl Alcohol	2.947	59	4048	9.637	ug/l #	100
56) Bromoform	11.079	173	294	0.279	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21990	25.455	ug/l #	11

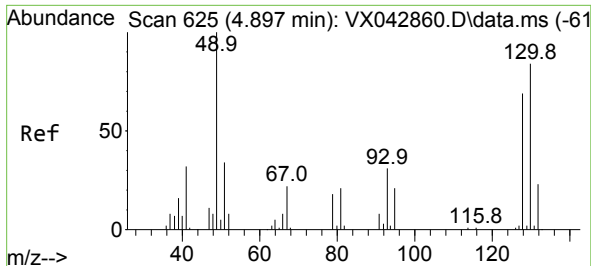
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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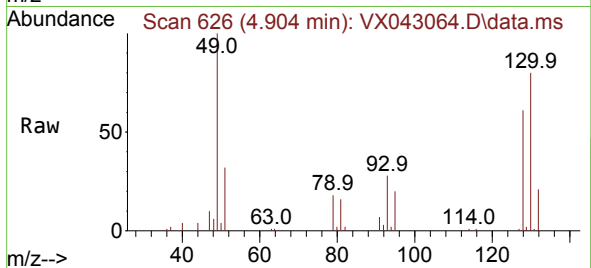
Quant Time: Aug 16 23:52:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 13 13:22:56 2024
Response via : Initial Calibration



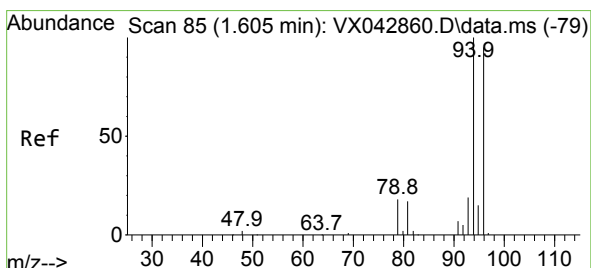
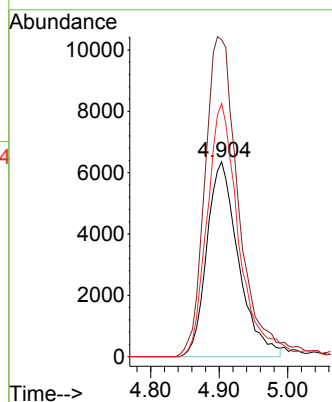
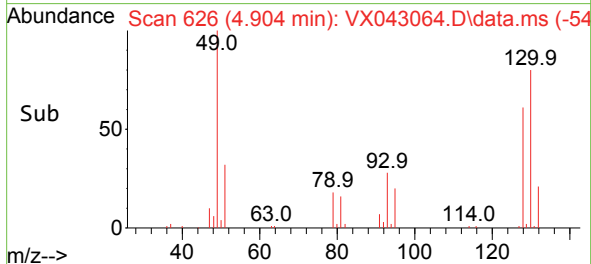


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

Instrument :
MSVOA_X
ClientSampleId :

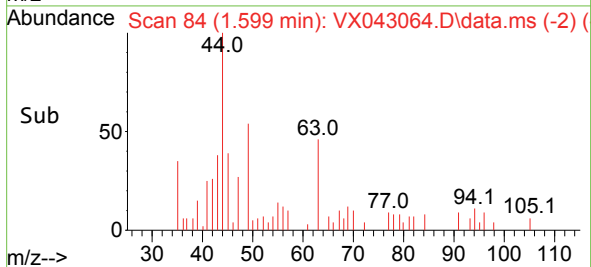
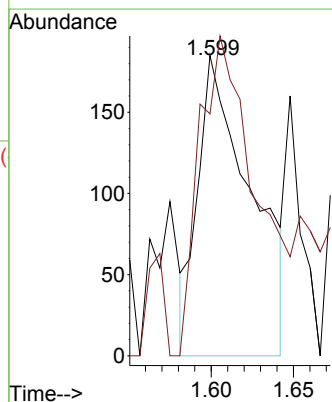
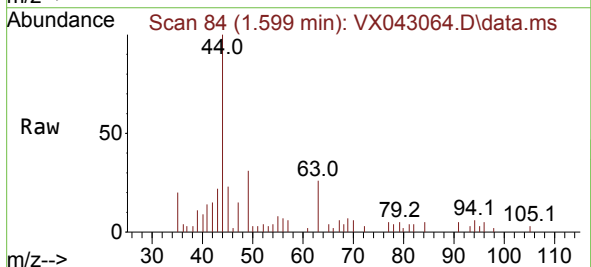


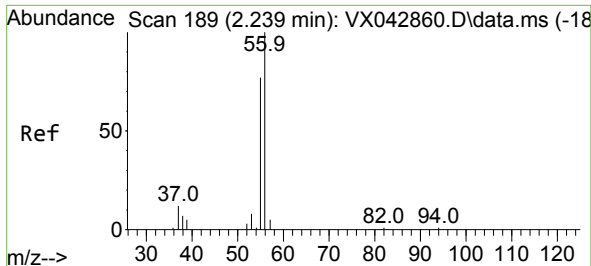
Tgt Ion:128 Resp: 20409
Ion Ratio Lower Upper
128 100
49 172.0 0.0 400.5
130 126.7 0.0 333.0



#5
Bromomethane
Concen: 0.964 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 111.2 76.2 114.4

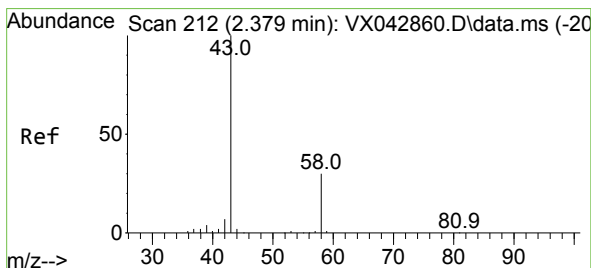
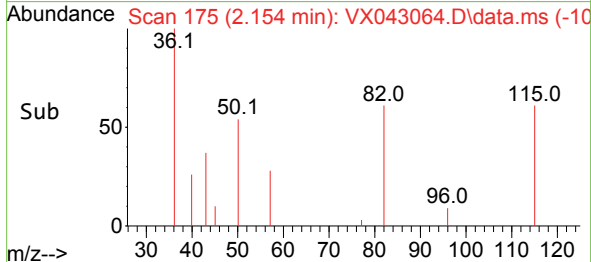
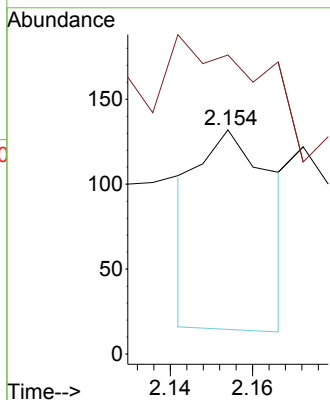
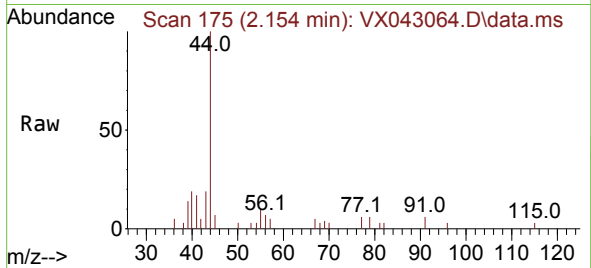




#13
Acrolein
Concen: 0.352 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

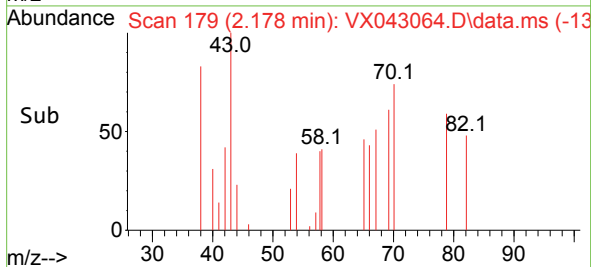
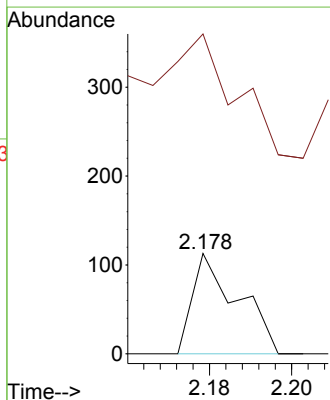
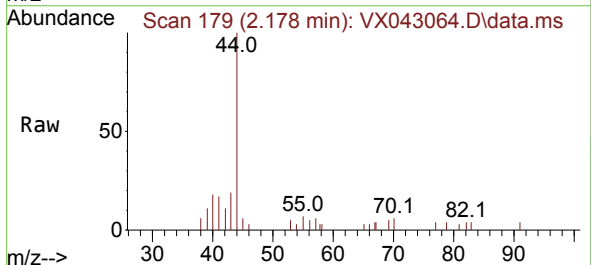
Instrument :
MSVOA_X
ClientSampleId :

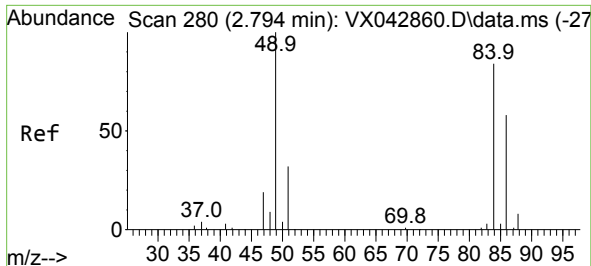
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 83.7 60.6 90.8



#15
Acetone
Concen: 0.320 ug/l
RT: 2.178 min Scan# 179
Delta R.T. -0.213 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

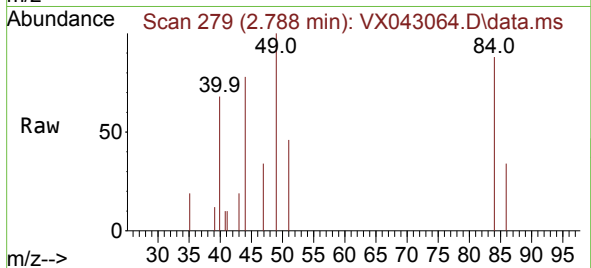
Tgt Ion: 58 Resp: 86
Ion Ratio Lower Upper
58 100
43 120.4 269.9 404.9#



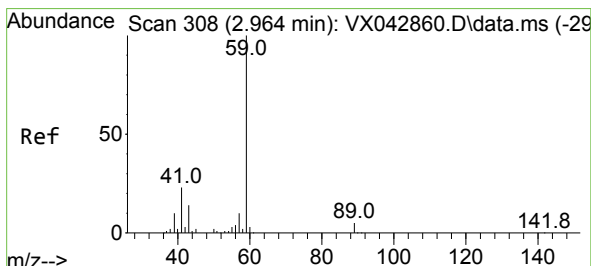
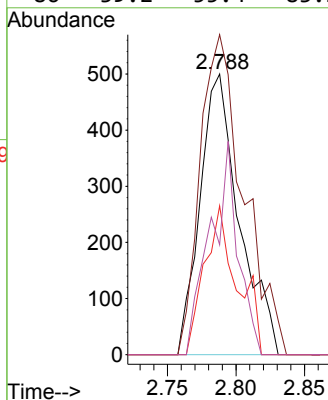
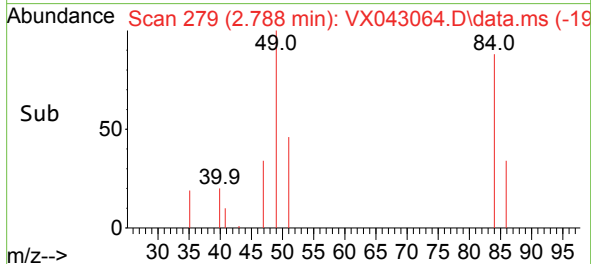


#18
Methylene Chloride
Concen: 0.613 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

Instrument :
MSVOA_X
ClientSampleId :

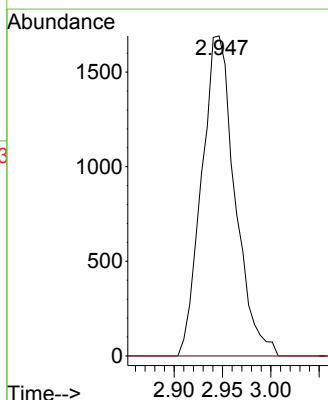
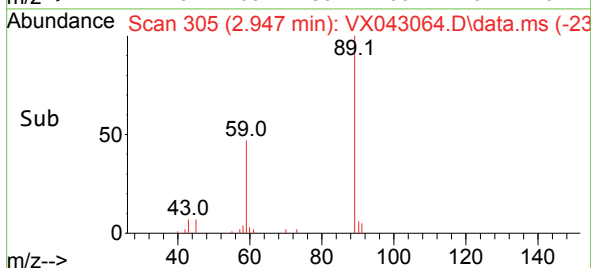
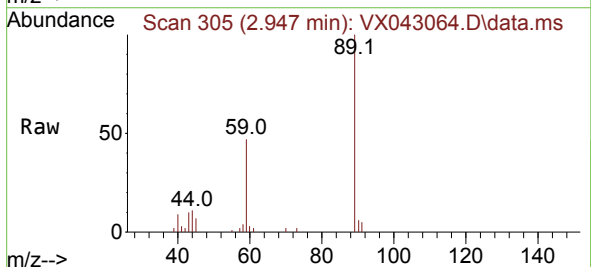


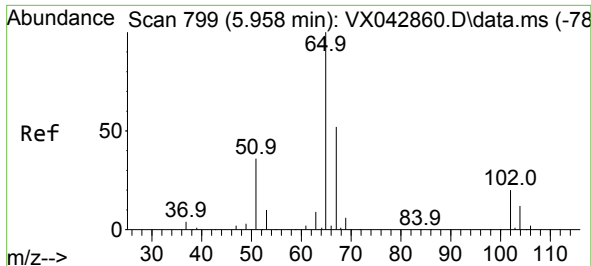
Tgt Ion: 84 Resp: 998
Ion Ratio Lower Upper
84 100
49 114.0 95.0 142.6
51 53.0 30.1 45.1#
86 39.2 55.4 83.2#



#23
tert-Butyl Alcohol
Concen: 9.637 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

Tgt Ion: 59 Resp: 4048
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 27.996 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX043064.D

Acq: 16 Aug 2024 09:56

Instrument :

MSVOA_X

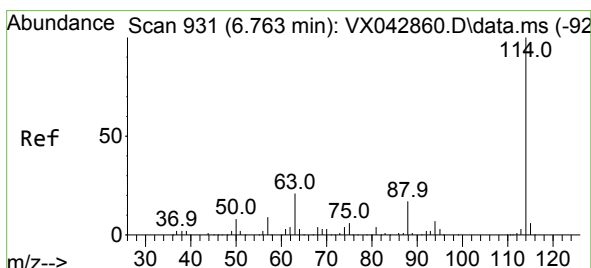
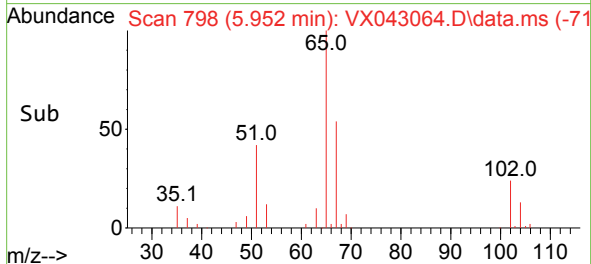
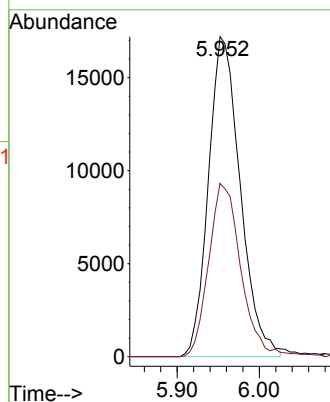
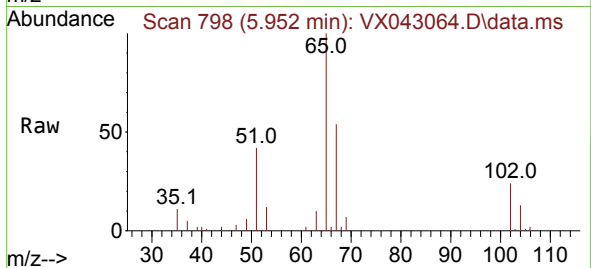
ClientSampleId :

Tgt Ion: 65 Resp: 46251

Ion Ratio Lower Upper

65 100

67 53.6 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043064.D

Acq: 16 Aug 2024 09:56

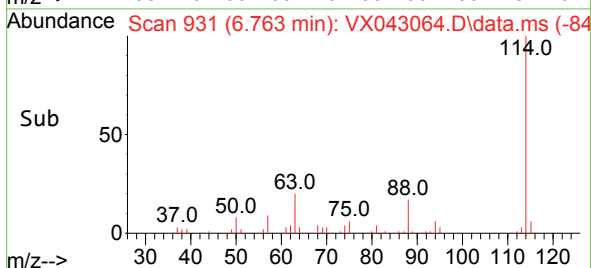
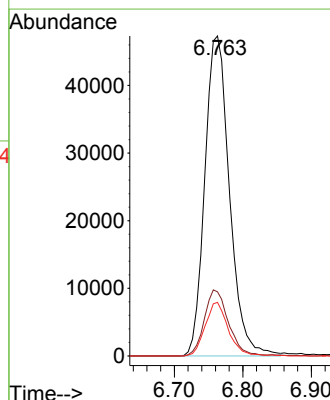
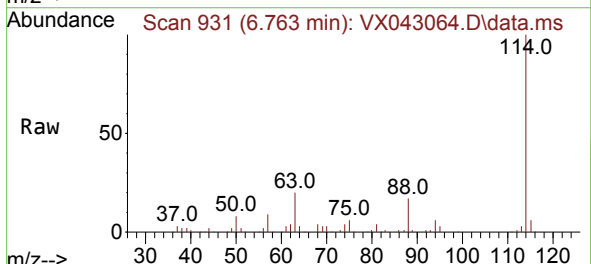
Tgt Ion: 114 Resp: 118690

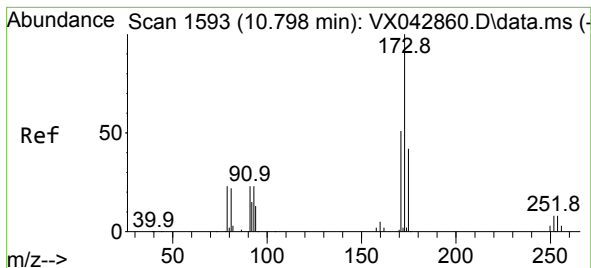
Ion Ratio Lower Upper

114 100

63 20.1 16.0 24.0

88 15.6 12.5 18.7





#56

Bromoform

Concen: 0.279 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX043064.D

Acq: 16 Aug 2024 09:56

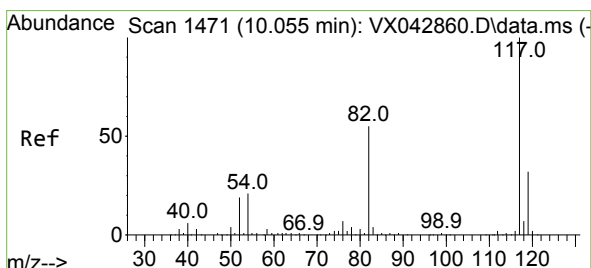
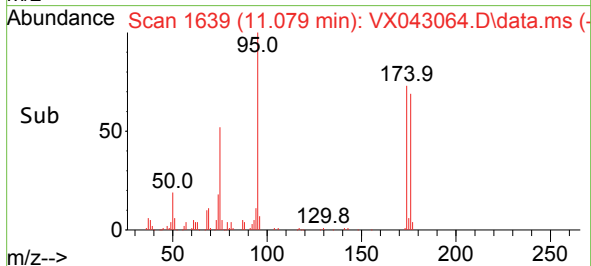
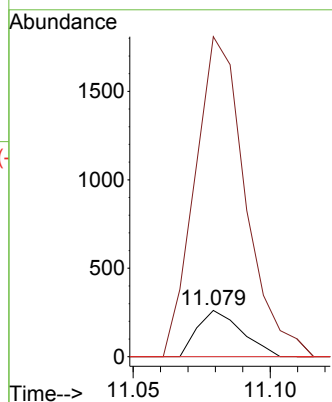
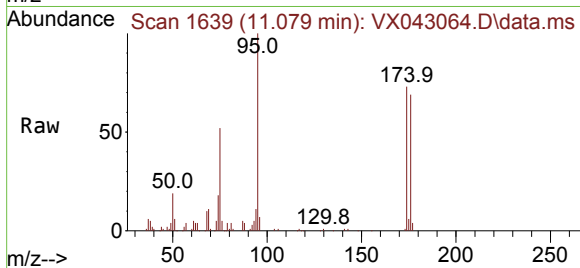
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173 Resp: 294

Ion	Ratio	Lower	Upper
173	100		
175	791.2	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

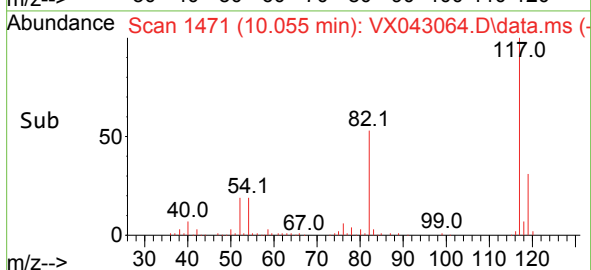
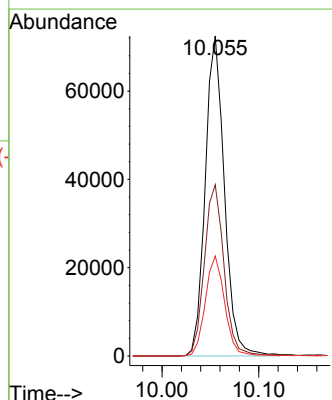
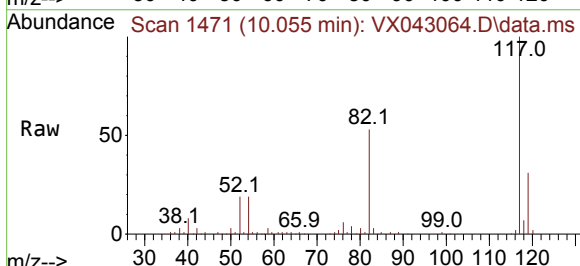
Delta R.T. -0.000 min

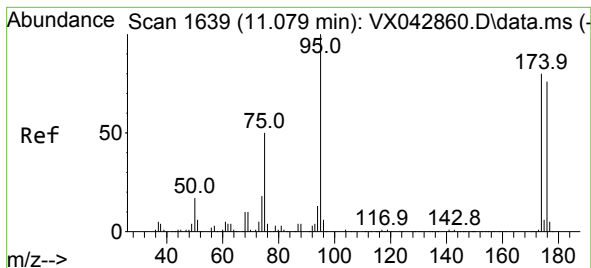
Lab File: VX043064.D

Acq: 16 Aug 2024 09:56

Tgt Ion:117 Resp: 100180

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.9	67.3
119	31.6	25.4	38.2

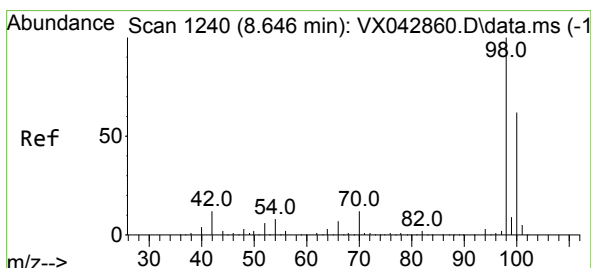
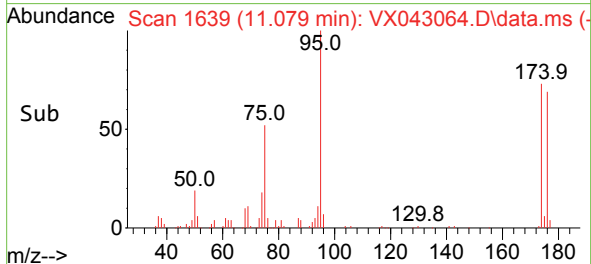
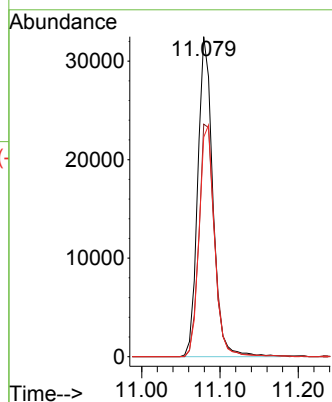
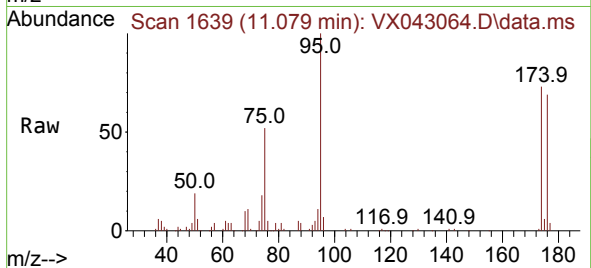




#60
4-Bromofluorobenzene
Concen: 25.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

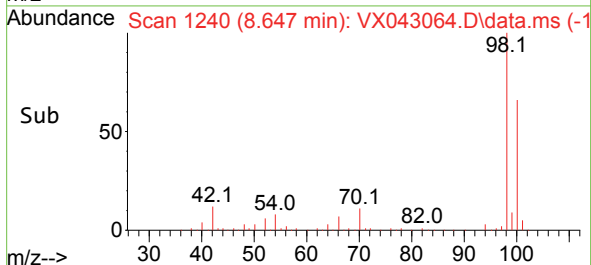
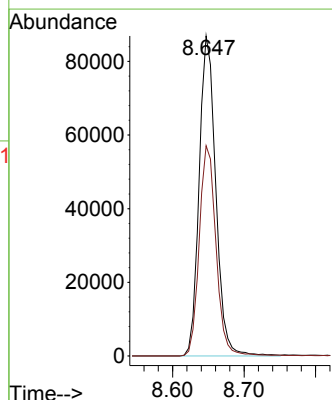
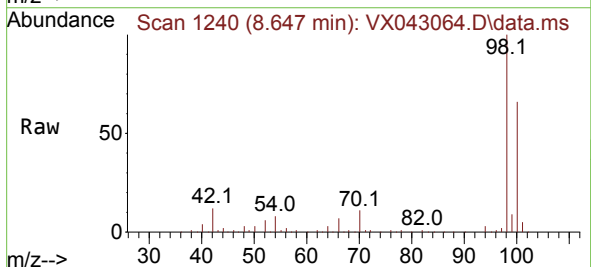
Instrument :
MSVOA_X
ClientSampleId :

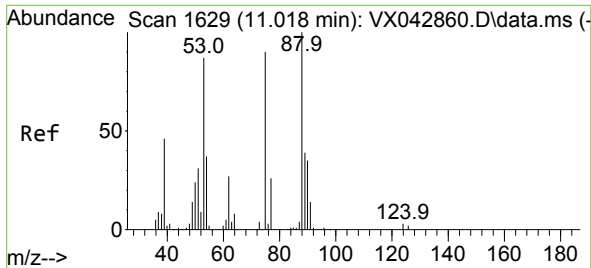
Tgt Ion: 95 Resp: 43606
Ion Ratio Lower Upper
95 100
174 75.0 65.0 97.6
176 73.7 63.4 95.0



#63
Toluene-d8
Concen: 30.473 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043064.D
Acq: 16 Aug 2024 09:56

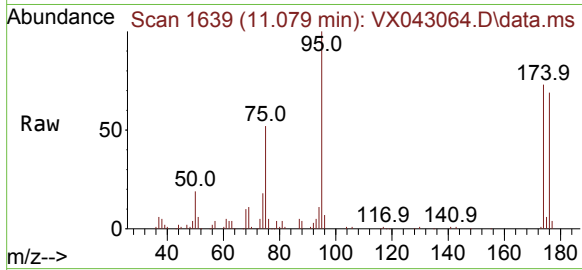
Tgt Ion: 98 Resp: 140234
Ion Ratio Lower Upper
98 100
100 66.0 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 25.455 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043064.D
 Acq: 16 Aug 2024 09:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 21990
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

