

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041893.D
 Acq On : 14 Jun 2024 21:17
 Operator : JC/MD
 Sample : P2807-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

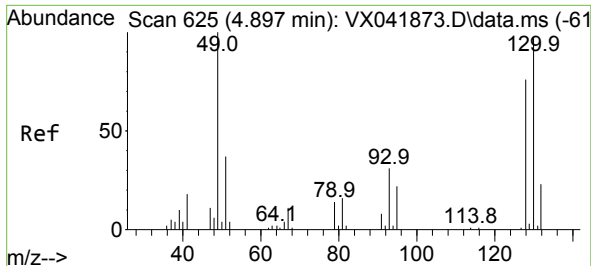
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 04:17:28 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	4.897	128	32068	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	167812	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	152158	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61913	28.046	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.500%
60) 4-Bromofluorobenzene	11.079	95	62074	26.355	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.867%
63) Toluene-d8	8.647	98	194224	29.835	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	261	0.215	ug/l #	61
6) Chloroethane	1.660	64	2170	2.238	ug/l #	57
18) Methylene Chloride	2.788	84	515	0.229	ug/l #	71
23) tert-Butyl Alcohol	2.989	59	108	0.245	ug/l #	100
25) Chloroform	5.099	83	5722	1.611	ug/l	96
51) Ethyl methacrylate	8.653	69	594	0.200	ug/l	96
58) 4-Methyl-2-Pentanone	8.647	43	689	0.253	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28851	32.778	ug/l #	7

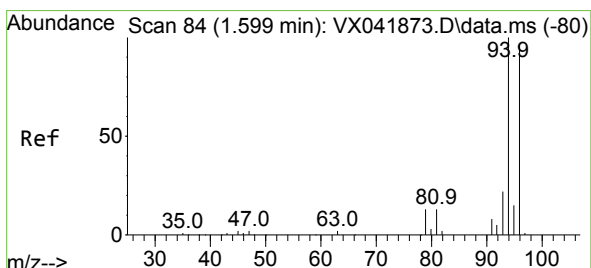
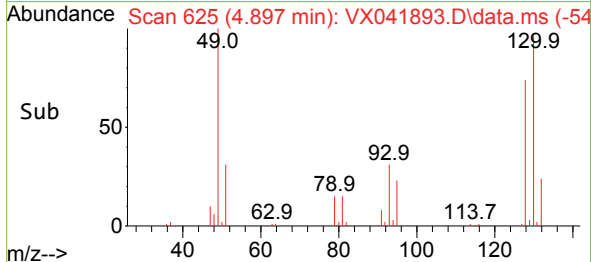
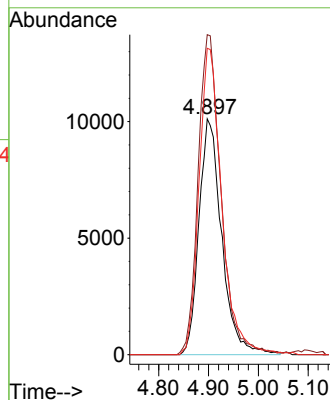
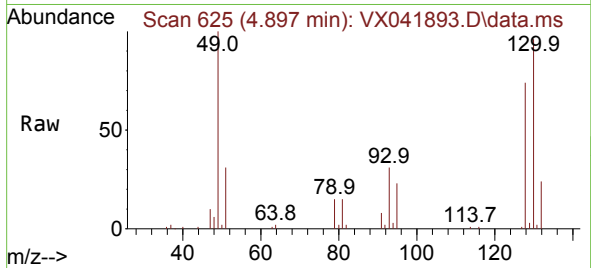
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

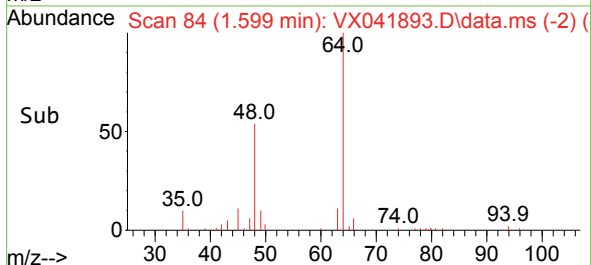
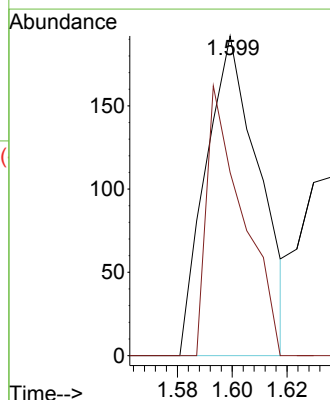
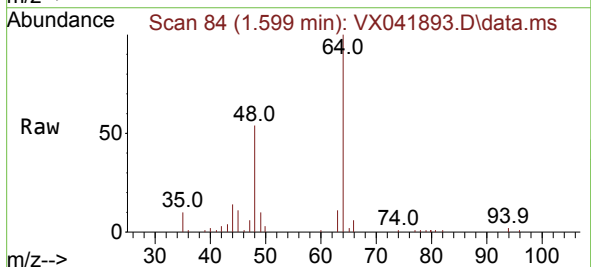
Instrument :
MSVOA_X
ClientSampleId :

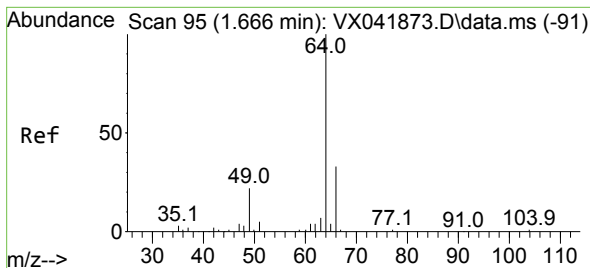
Tgt Ion:128 Resp: 32068
Ion Ratio Lower Upper
128 100
49 135.9 0.0 338.5
130 129.3 0.0 324.5



#5
Bromomethane
Concen: 0.215 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

Tgt Ion: 94 Resp: 261
Ion Ratio Lower Upper
94 100
96 57.3 76.6 115.0#





#6

Chloroethane

Concen: 2.238 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX041893.D

Acq: 14 Jun 2024 21:17

Instrument :

MSVOA_X

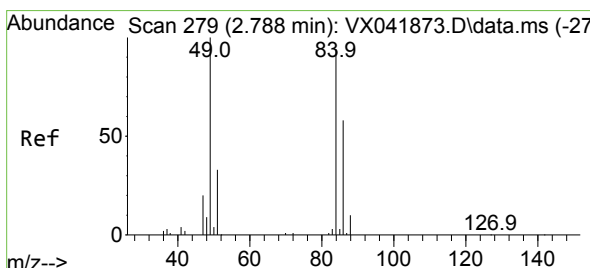
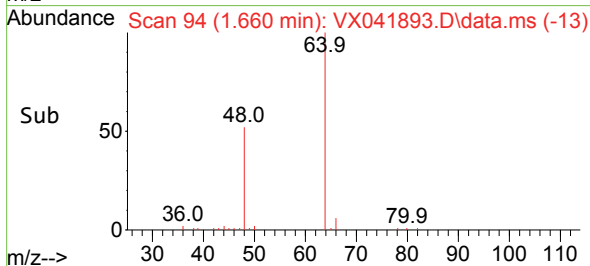
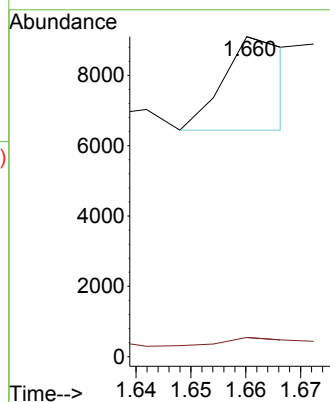
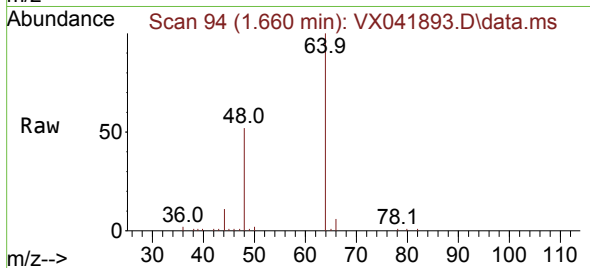
ClientSampleId :

Tgt Ion: 64 Resp: 2170

Ion Ratio Lower Upper

64 100

66 8.8 26.4 39.6#



#18

Methylene Chloride

Concen: 0.229 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041893.D

Acq: 14 Jun 2024 21:17

Tgt Ion: 84 Resp: 515

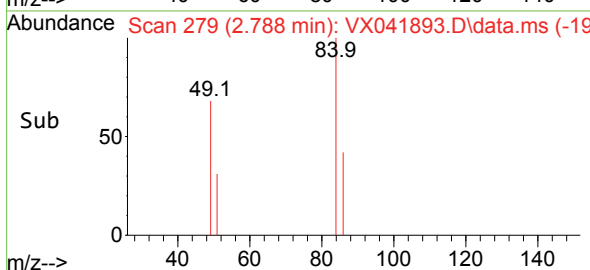
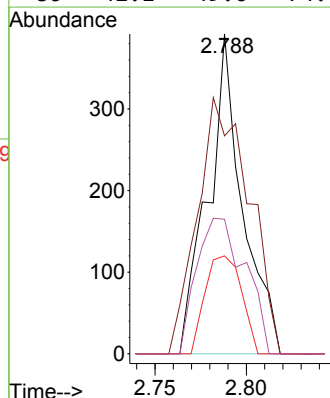
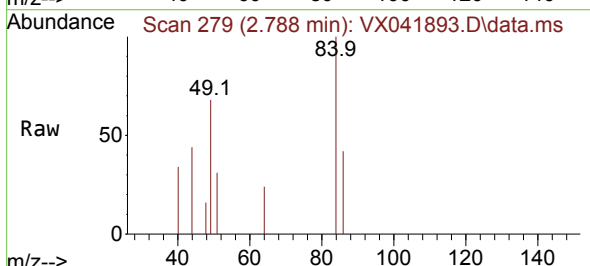
Ion Ratio Lower Upper

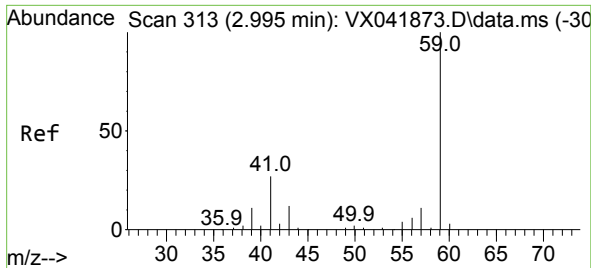
84 100

49 68.1 85.3 127.9#

51 30.6 28.5 42.7

86 42.1 49.6 74.4#

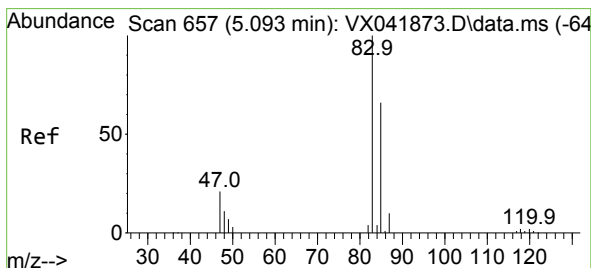
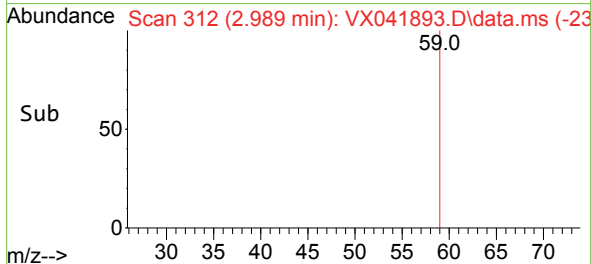
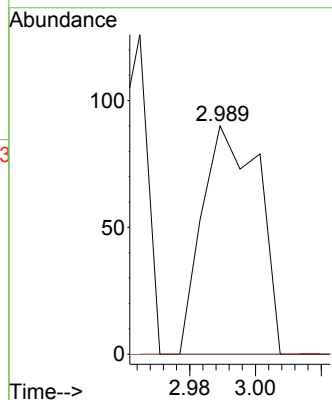
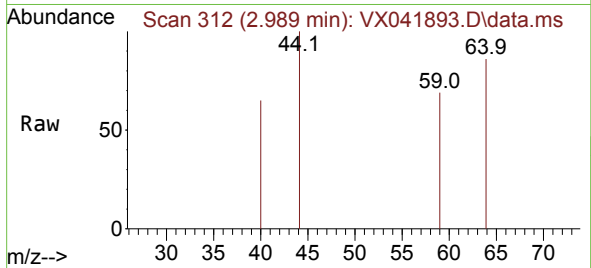




#23
tert-Butyl Alcohol
Concen: 0.245 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

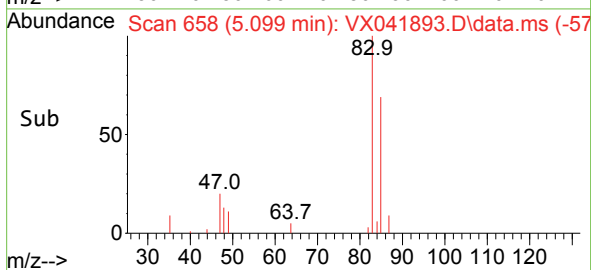
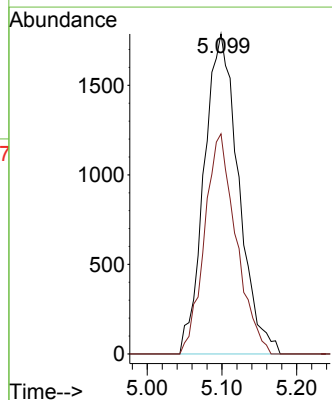
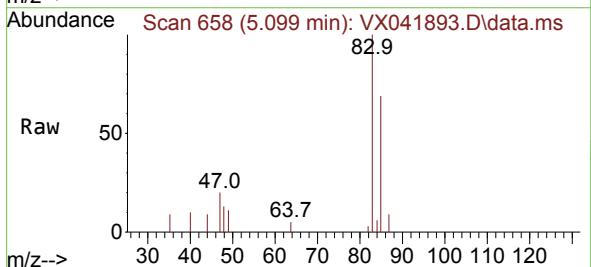
Instrument :
MSVOA_X
ClientSampleId :

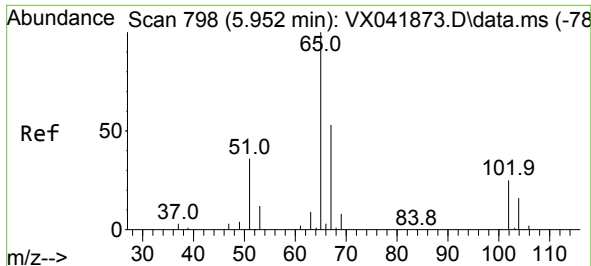
Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.611 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

Tgt Ion: 83 Resp: 5722
Ion Ratio Lower Upper
83 100
85 68.8 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 28.046 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041893.D

Acq: 14 Jun 2024 21:17

Instrument :

MSVOA_X

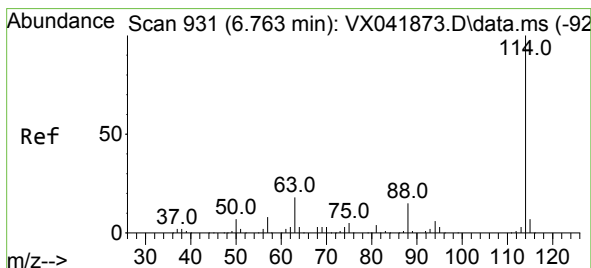
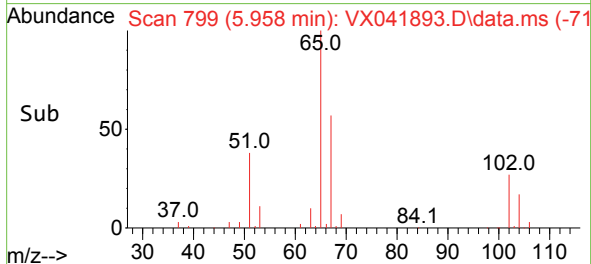
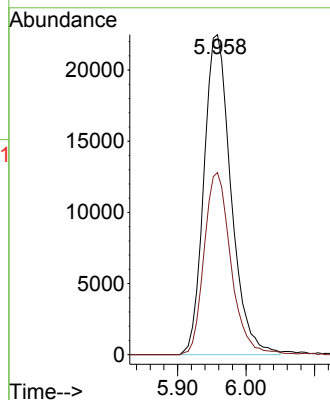
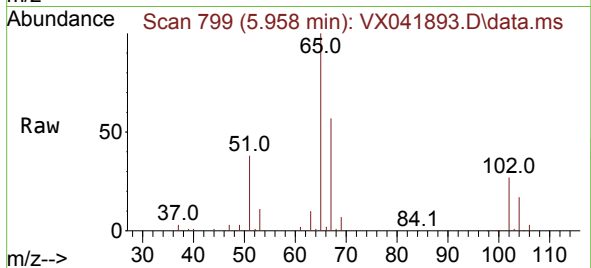
ClientSampleId :

Tgt Ion: 65 Resp: 61913

Ion Ratio Lower Upper

65 100

67 56.2 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: VX041893.D

Acq: 14 Jun 2024 21:17

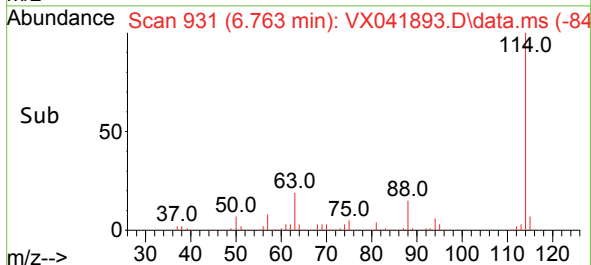
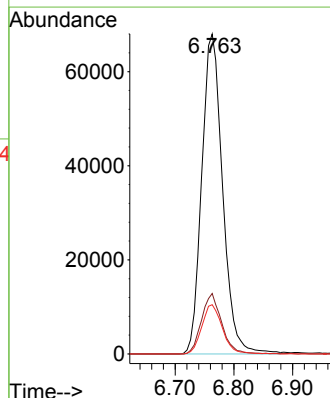
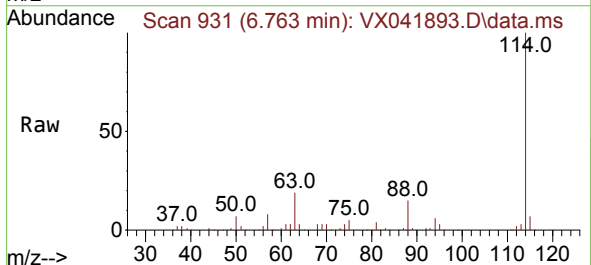
Tgt Ion: 114 Resp: 167812

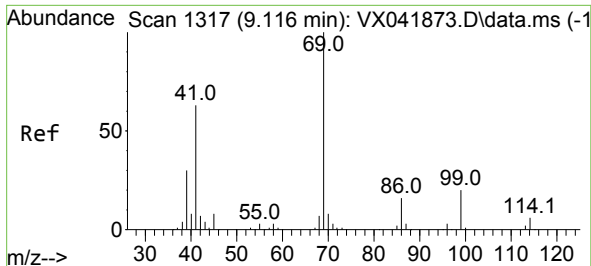
Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.2 11.8 17.8

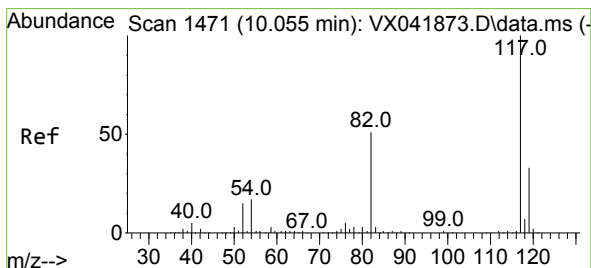
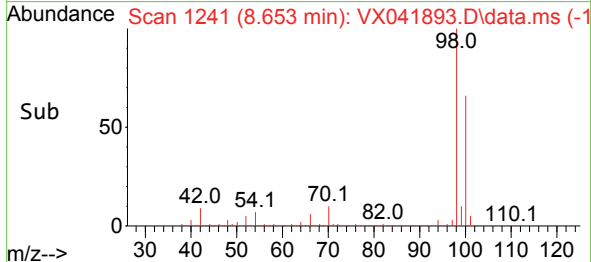
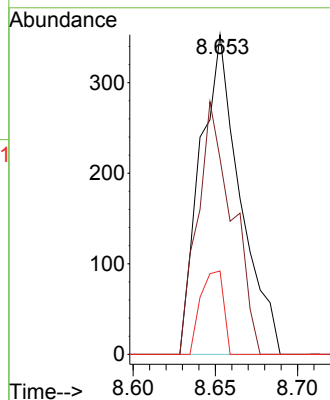
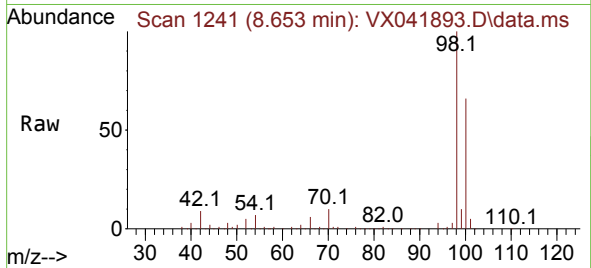




#51
Ethyl methacrylate
Concen: 0.200 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

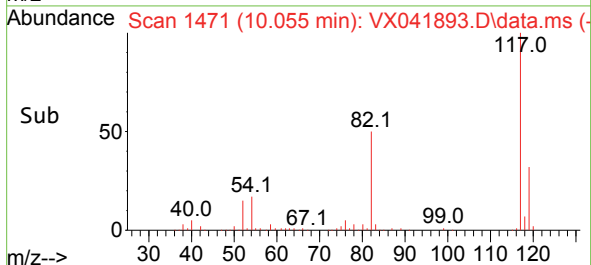
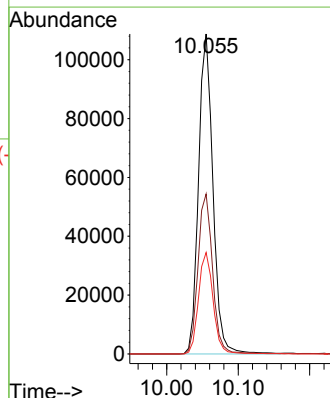
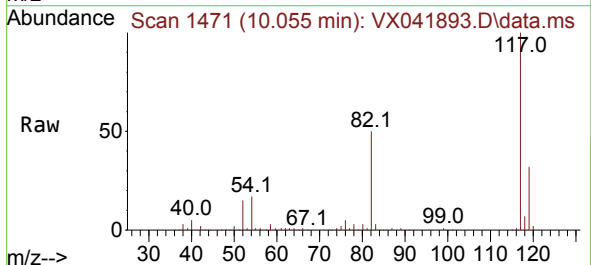
Instrument :
MSVOA_X
ClientSampleId :

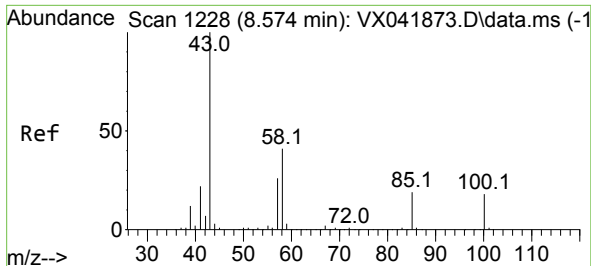
Tgt Ion: 69 Resp: 594
Ion Ratio Lower Upper
69 100
41 61.2 31.6 94.7
39 26.1 15.3 45.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

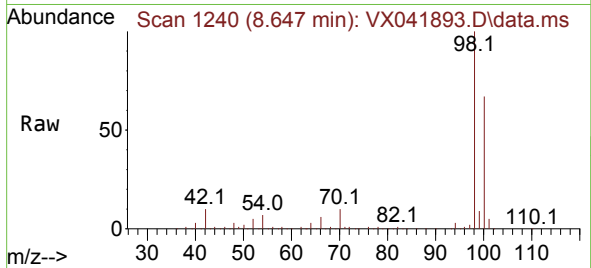
Tgt Ion: 117 Resp: 152158
Ion Ratio Lower Upper
117 100
82 50.7 41.1 61.7
119 32.3 26.1 39.1



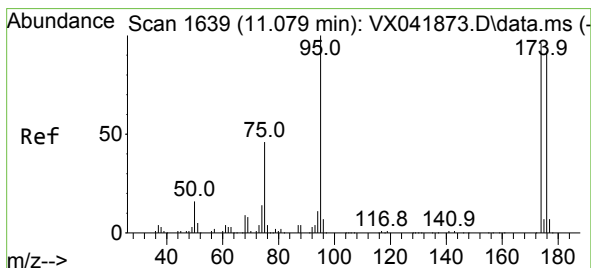
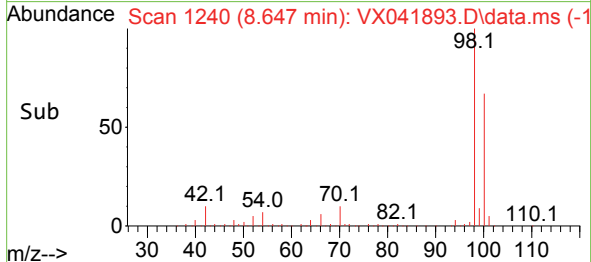
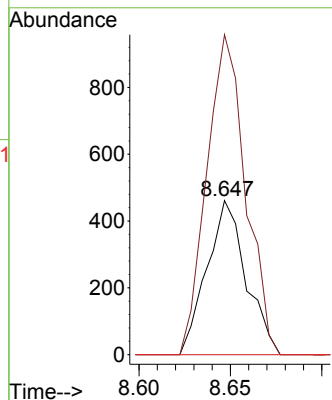


#58
 4-Methyl-2-Pentanone
 Concen: 0.253 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.073 min
 Lab File: VX041893.D
 Acq: 14 Jun 2024 21:17

Instrument :
 MSVOA_X
 ClientSampleId :

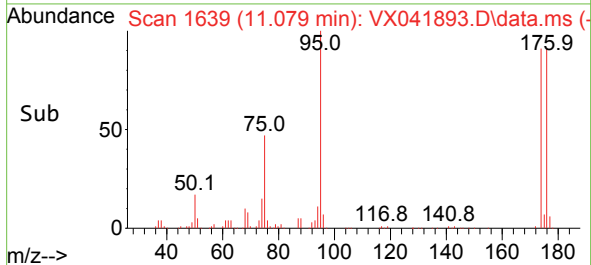
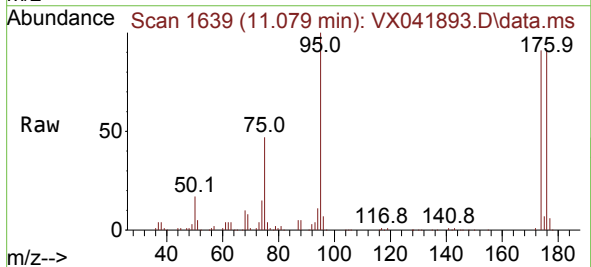
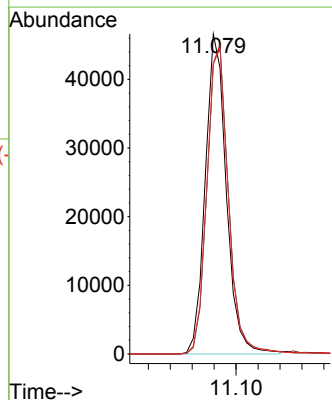


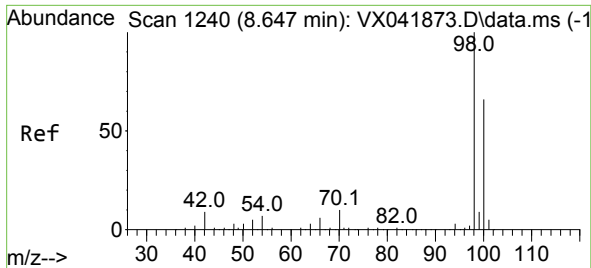
Tgt Ion: 43 Resp: 689
 Ion Ratio Lower Upper
 43 100
 58 205.7 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 26.355 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX041893.D
 Acq: 14 Jun 2024 21:17

Tgt Ion: 95 Resp: 62074
 Ion Ratio Lower Upper
 95 100
 174 98.3 78.9 118.3
 176 98.0 77.1 115.7

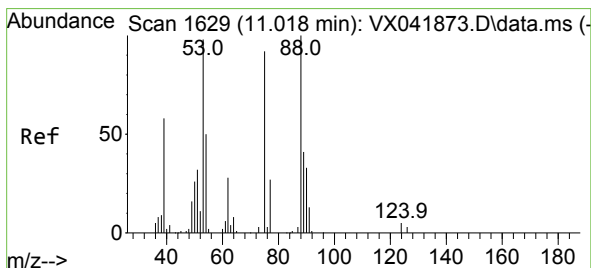
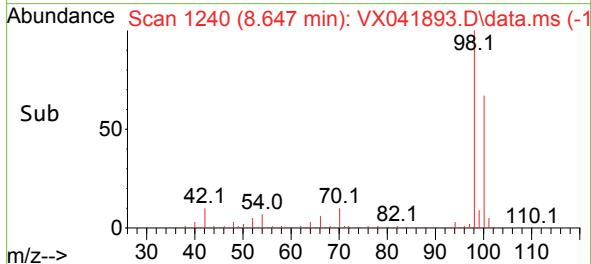
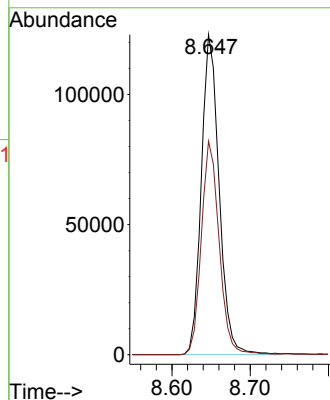
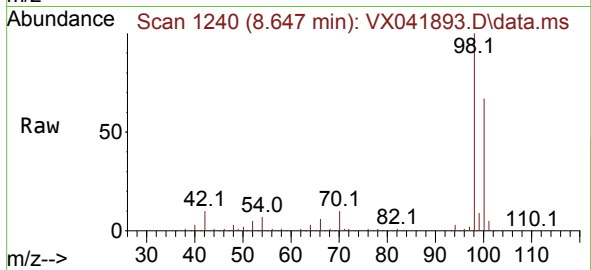




#63
Toluene-d8
Concen: 29.835 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 194224
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.778 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041893.D
Acq: 14 Jun 2024 21:17

Tgt Ion: 75 Resp: 28851
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

