

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041890.D
 Acq On : 14 Jun 2024 20:08
 Operator : JC/MD
 Sample : P2806-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 04:16:24 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)

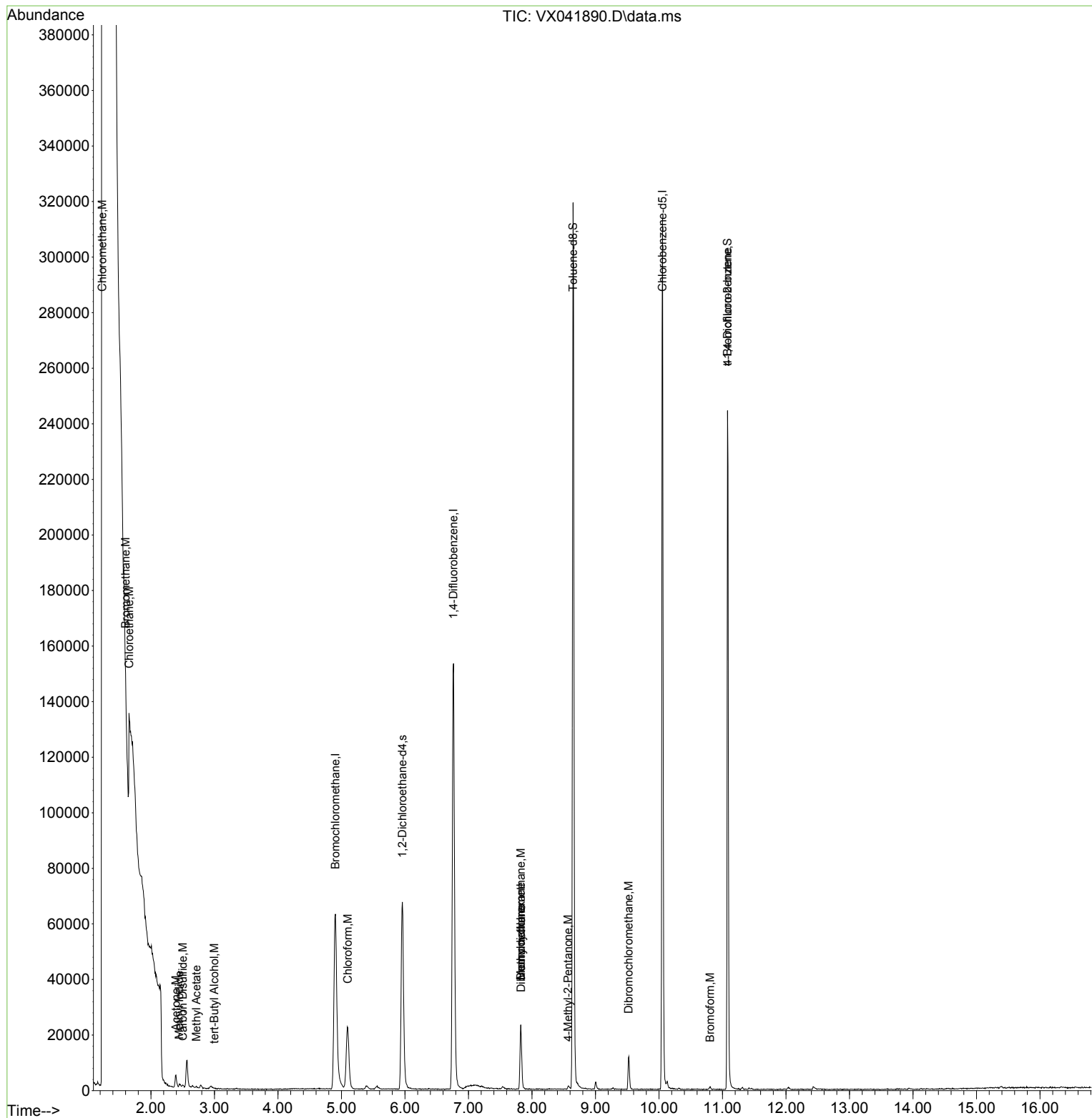
Internal Standards						
1) Bromochloromethane	4.904	128	32917	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	171983	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64708	28.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.200%
60) 4-Bromofluorobenzene	11.079	95	66104	27.406	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.367%
63) Toluene-d8	8.647	98	200105	30.016	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.067%
Target Compounds						
					Qvalue	
3) Chloromethane	1.234	50	769671	323.132	ug/l #	42
5) Bromomethane	1.599	94	2108	1.693	ug/l	82
6) Chloroethane	1.654	64	64504	64.816	ug/l #	51
11) Methyl Iodide	2.447	142	1331	0.508	ug/l	93
12) Methyl Acetate	2.715	43	537	0.209	ug/l	100
15) Acetone	2.392	58	1698	4.876	ug/l	85
16) Carbon Disulfide	2.502	76	1095	0.248	ug/l #	75
23) tert-Butyl Alcohol	2.995	59	186	0.411	ug/l #	100
25) Chloroform	5.099	83	28260	7.752	ug/l	96
38) Methylcyclohexane	7.824	83	15334	5.157	ug/l #	18
40) Dibromomethane	7.830	93	406	0.308	ug/l #	1
41) Bromodichloromethane	7.824	83	15761	6.677	ug/l	96
53) Dibromochloromethane	9.519	129	6231	2.972	ug/l	97
56) Bromoform	10.805	173	524	0.306	ug/l #	80
58) 4-Methyl-2-Pentanone	8.568	43	2335	0.836	ug/l #	41
77) t-1,4-Dichloro-2-butene	11.079	75	29802	33.063	ug/l #	7

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

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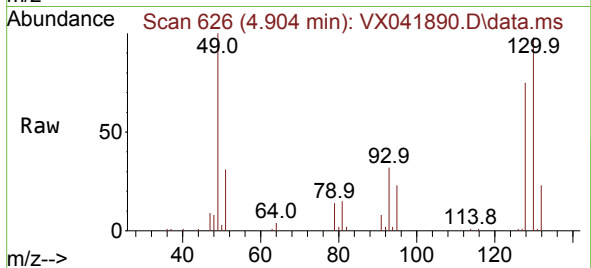
Quant Time: Jun 15 04:16:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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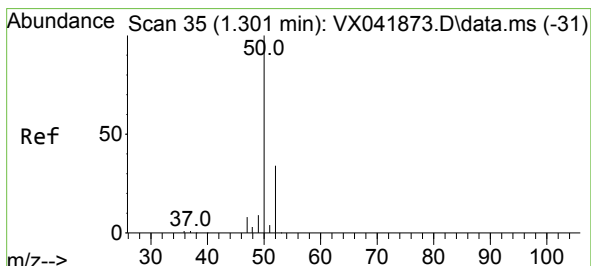
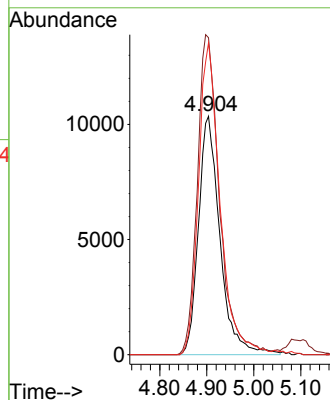
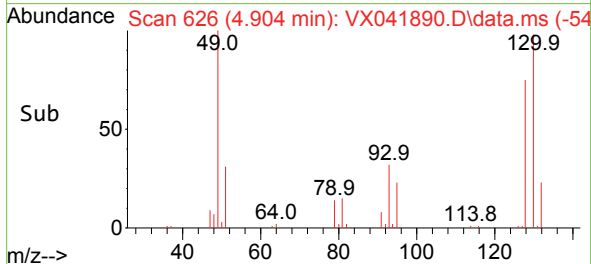


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Instrument :
MSVOA_X
ClientSampleId :

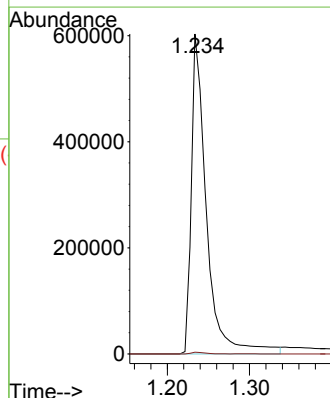
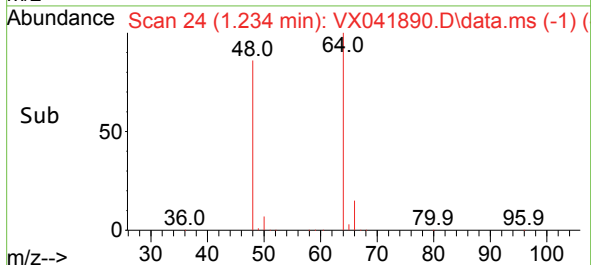
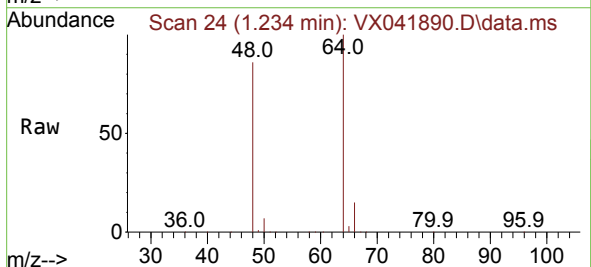


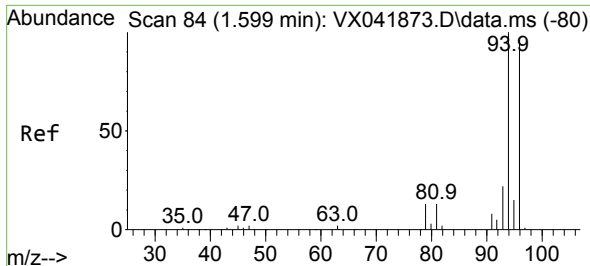
Tgt Ion:128 Resp: 32917
Ion Ratio Lower Upper
128 100
49 138.0 0.0 338.5
130 130.6 0.0 324.5



#3
Chloromethane
Concen: 323.132 ug/l
RT: 1.234 min Scan# 24
Delta R.T. -0.067 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Tgt Ion: 50 Resp: 769671
Ion Ratio Lower Upper
50 100
52 0.5 26.9 40.3#

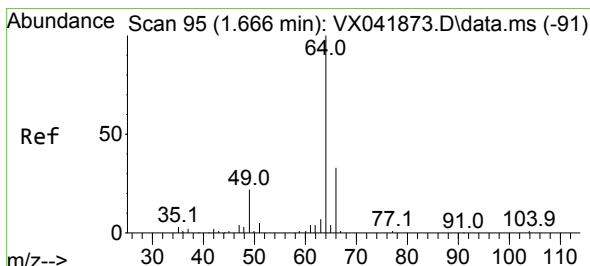
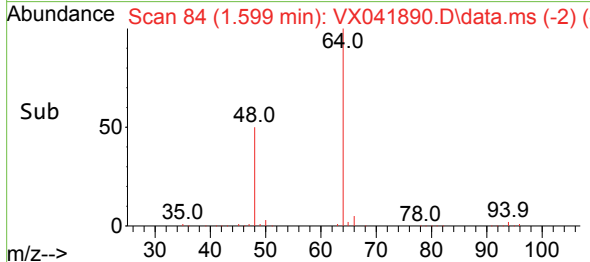
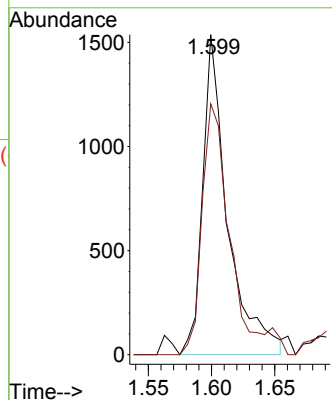
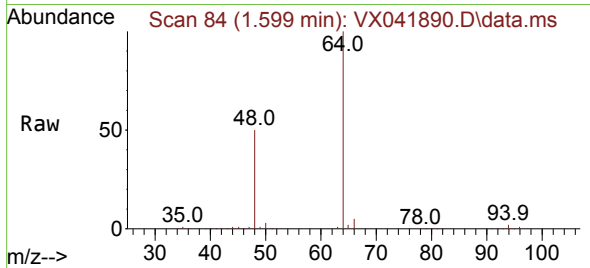




#5
Bromomethane
Concen: 1.693 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

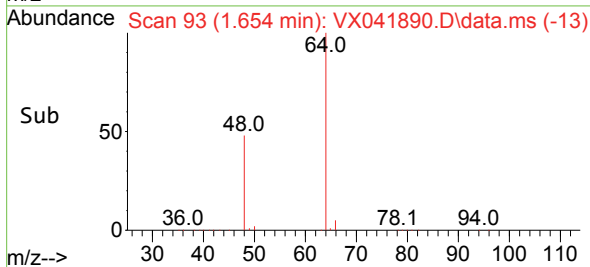
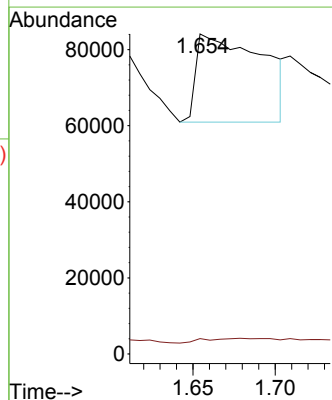
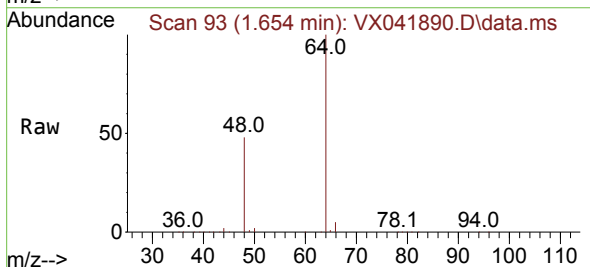
Instrument :
MSVOA_X
ClientSampleId :

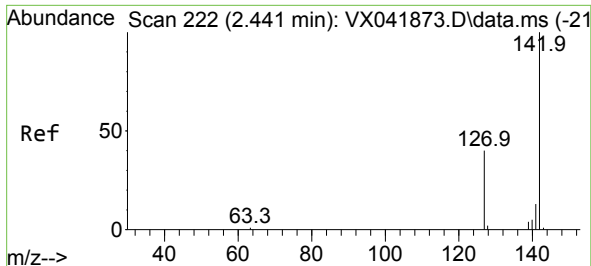
Tgt Ion: 94 Resp: 2108
Ion Ratio Lower Upper
94 100
96 78.4 76.6 115.0



#6
Chloroethane
Concen: 64.816 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

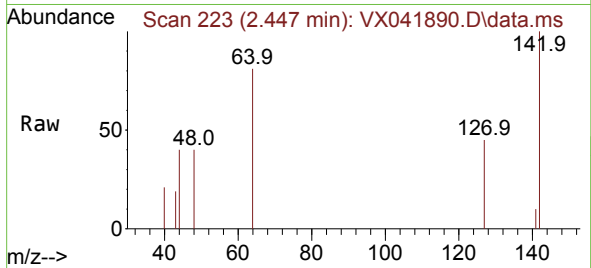
Tgt Ion: 64 Resp: 64504
Ion Ratio Lower Upper
64 100
66 5.1 26.4 39.6#



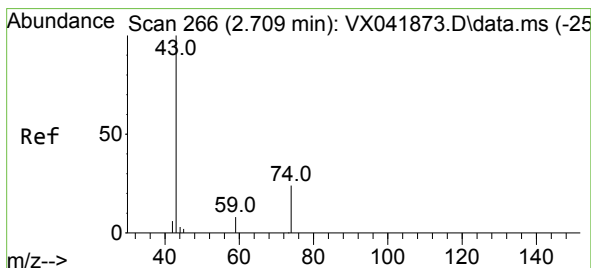
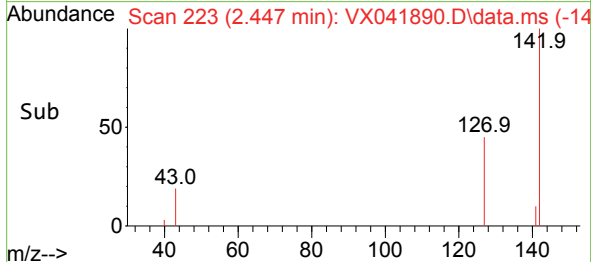
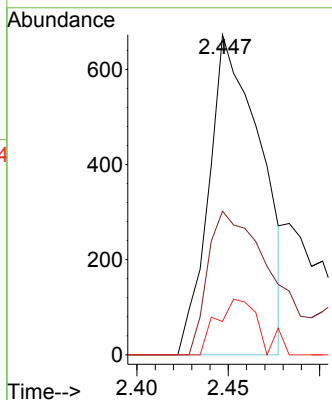


#11
Methyl Iodide
Concen: 0.508 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Instrument :
MSVOA_X
ClientSampleId :

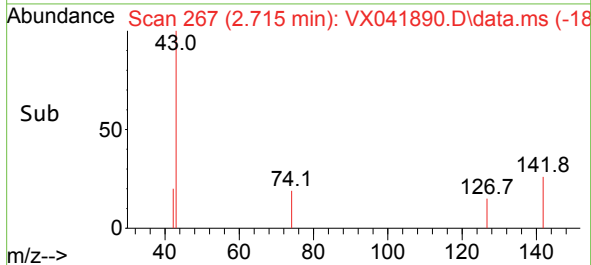
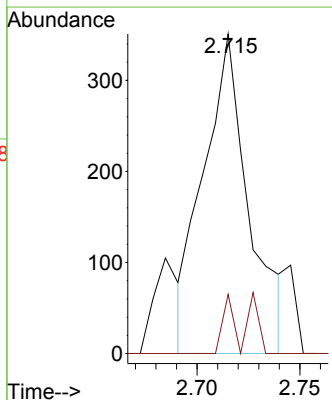
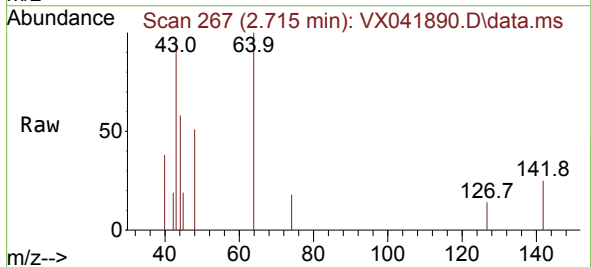


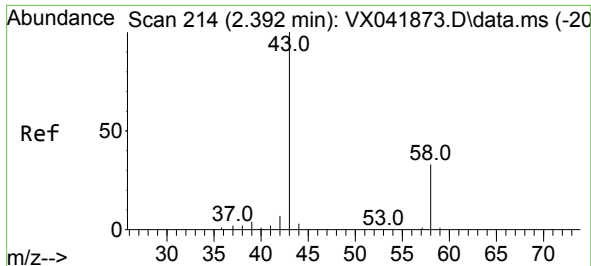
Tgt Ion:142 Resp: 1331
Ion Ratio Lower Upper
142 100
127 42.4 19.8 59.3
141 7.8 6.7 20.1



#12
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2

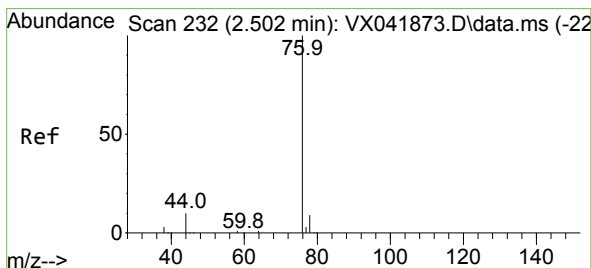
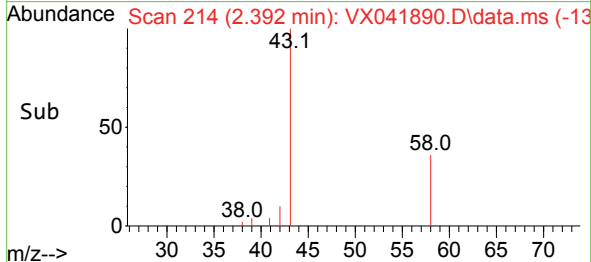
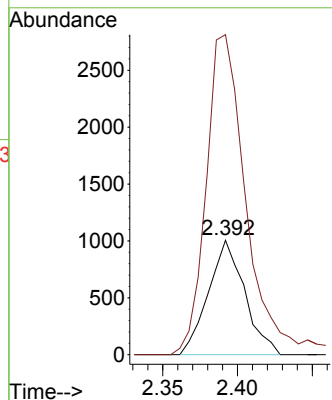
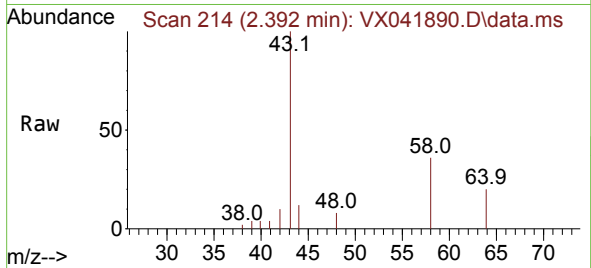




#15
Acetone
Concen: 4.876 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

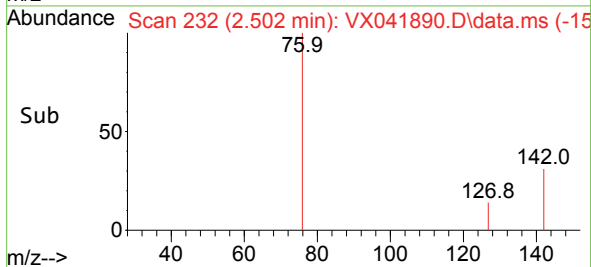
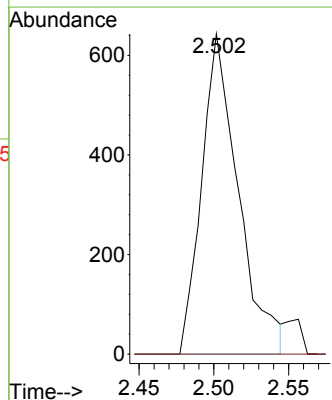
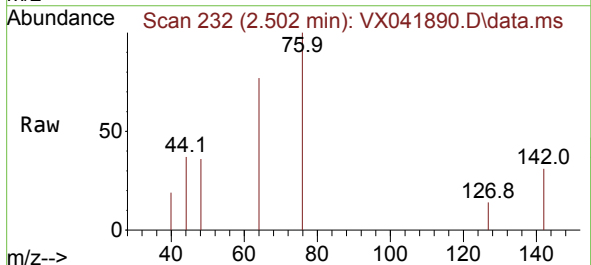
Instrument :
MSVOA_X
ClientSampleId :

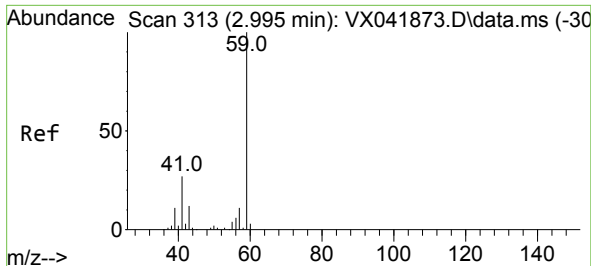
Tgt Ion: 58 Resp: 1698
Ion Ratio Lower Upper
58 100
43 274.0 243.4 365.2



#16
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

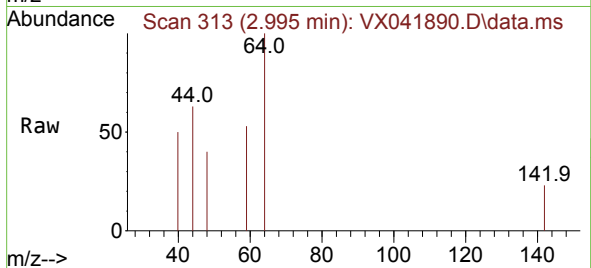
Tgt Ion: 76 Resp: 1095
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



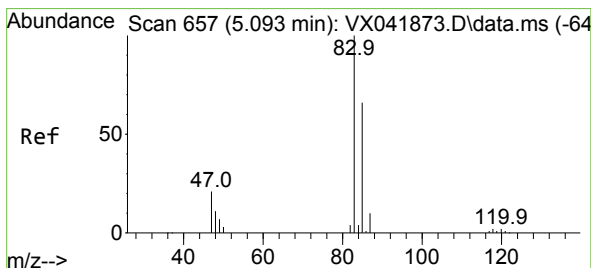
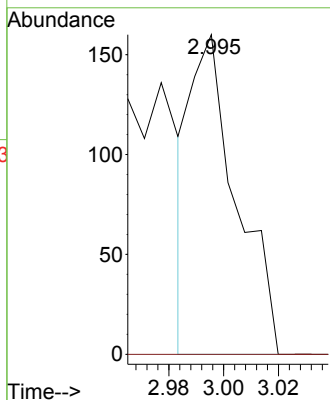
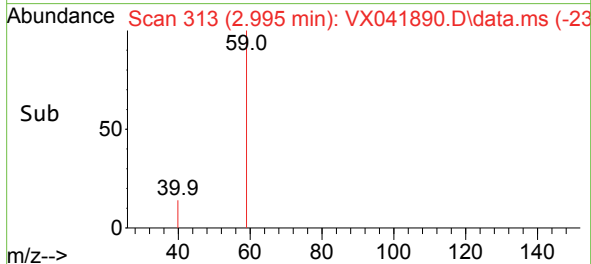


#23
tert-Butyl Alcohol
Concen: 0.411 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

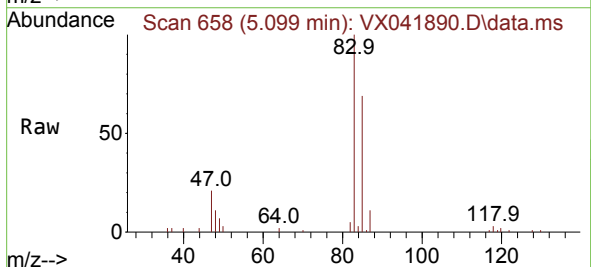
Instrument :
MSVOA_X
ClientSampleId :



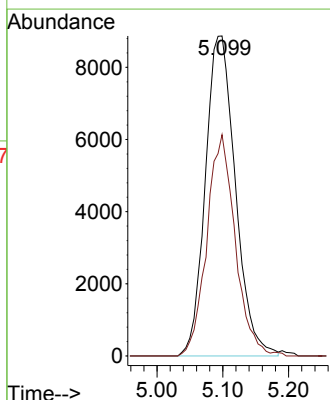
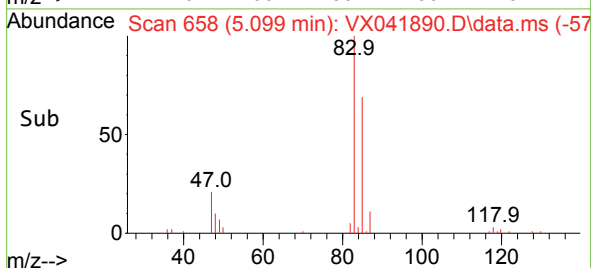
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

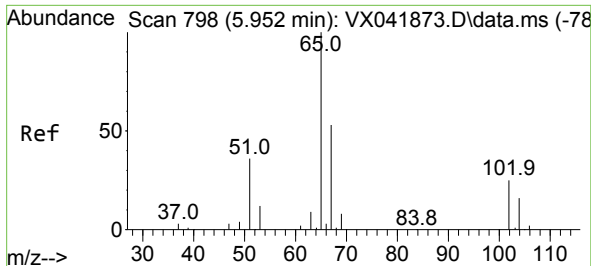


#25
Chloroform
Concen: 7.752 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08



Tgt Ion: 83 Resp: 28260
Ion Ratio Lower Upper
83 100
85 69.2 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 28.556 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041890.D

Acq: 14 Jun 2024 20:08

Instrument :

MSVOA_X

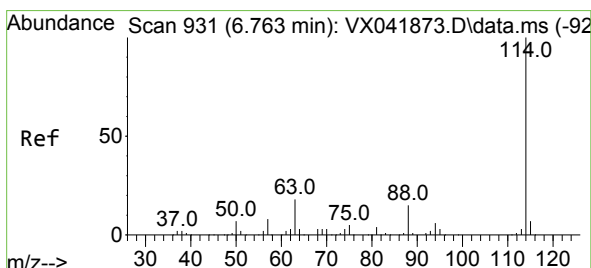
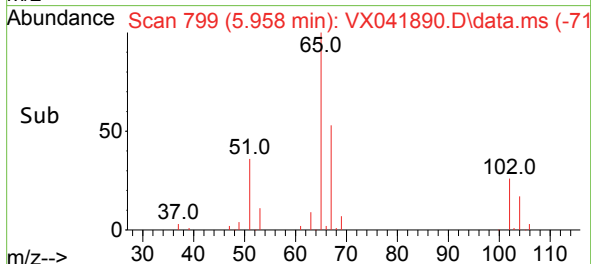
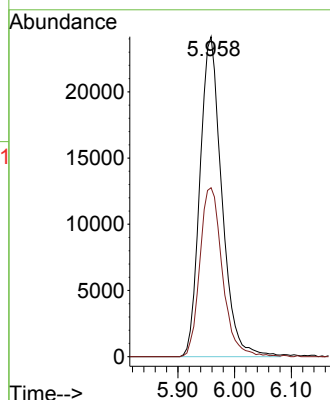
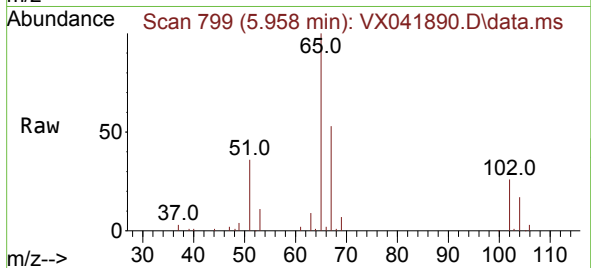
ClientSampleId :

Tgt Ion: 65 Resp: 64708

Ion Ratio Lower Upper

65 100

67 54.4 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: VX041890.D

Acq: 14 Jun 2024 20:08

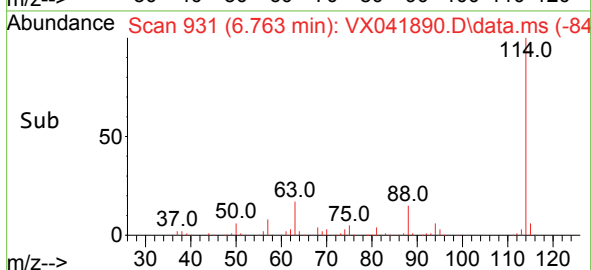
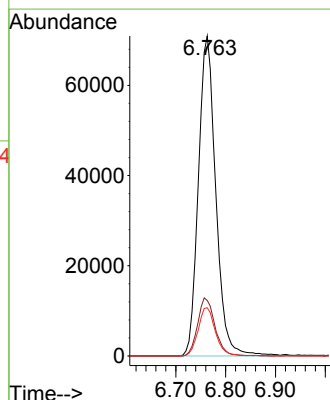
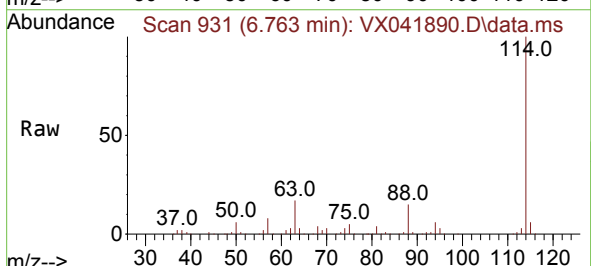
Tgt Ion: 114 Resp: 171983

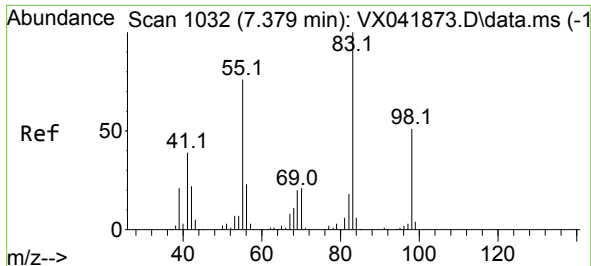
Ion Ratio Lower Upper

114 100

63 18.0 14.6 21.8

88 14.9 11.8 17.8

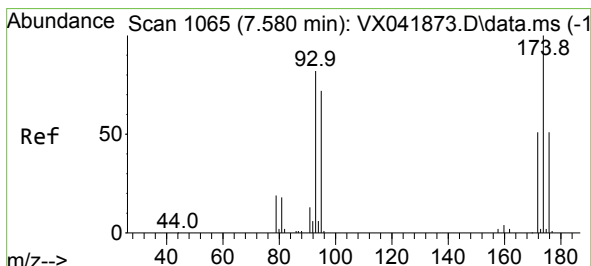
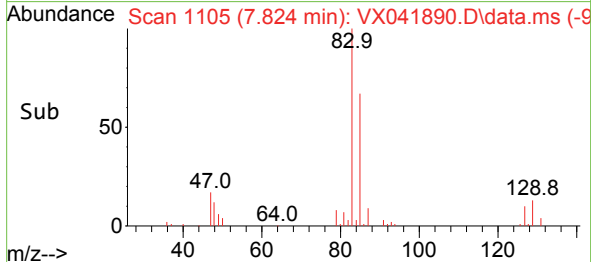
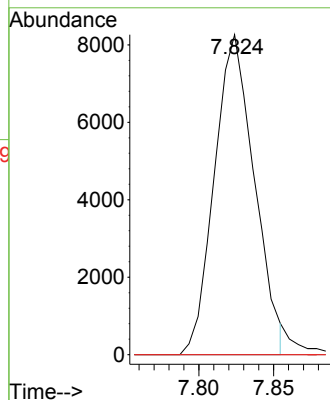
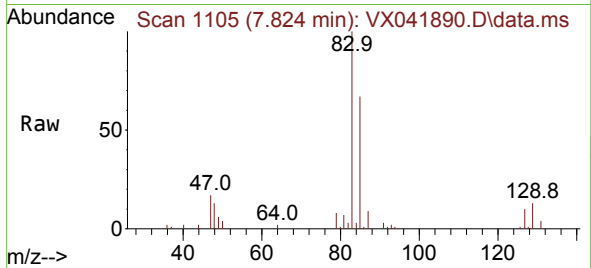




#38
Methylcyclohexane
Concen: 5.157 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

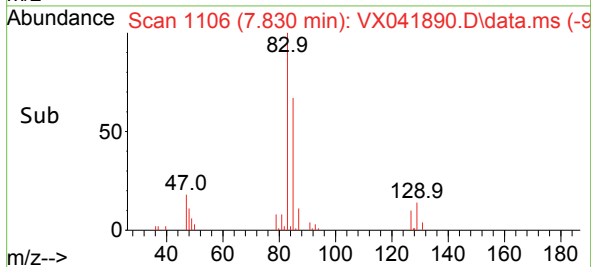
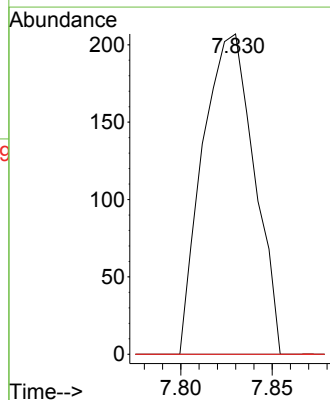
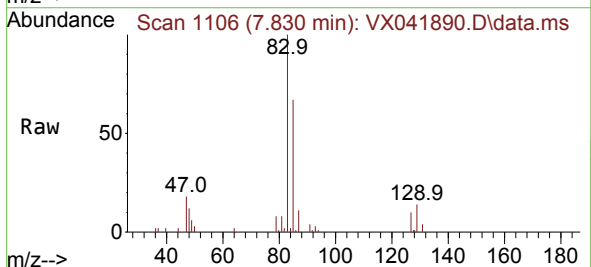
Instrument :
MSVOA_X
ClientSampleId :

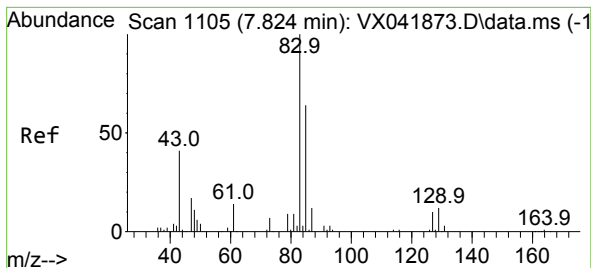
Tgt Ion: 83 Resp: 15334
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#40
Dibromomethane
Concen: 0.308 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.250 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Tgt Ion: 93 Resp: 406
Ion Ratio Lower Upper
93 100
95 0.0 0.0 168.6
174 0.0 0.0 255.0





#41

Bromodichloromethane

Concen: 6.677 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

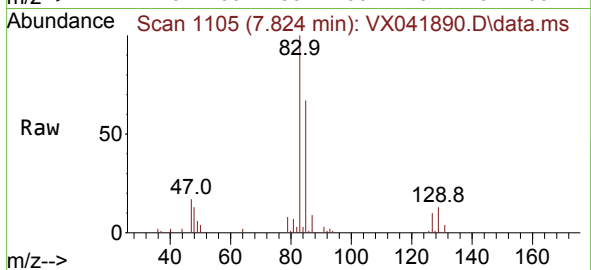
Lab File: VX041890.D

Acq: 14 Jun 2024 20:08

Instrument :

MSVOA_X

ClientSampleId :



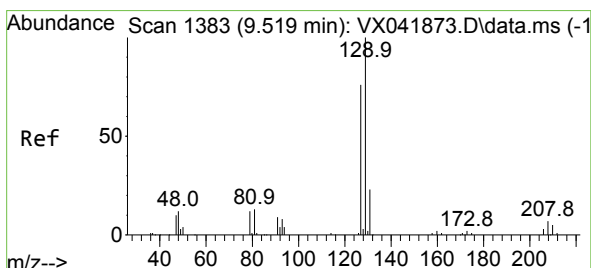
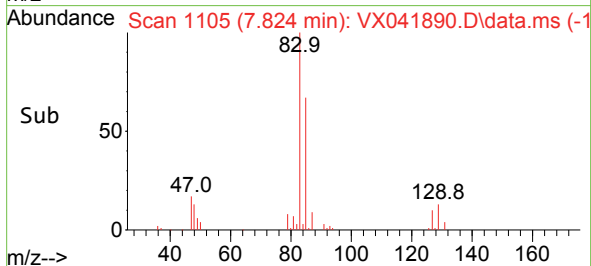
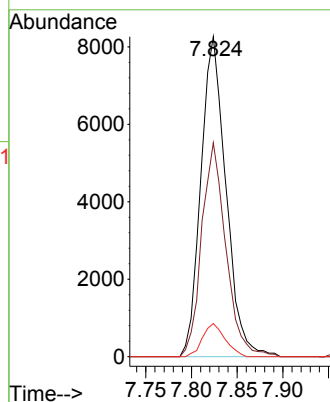
Tgt Ion: 83 Resp: 15761

Ion Ratio Lower Upper

83 100

85 66.8 51.1 76.7

127 11.5 8.1 12.1



#53

Dibromochloromethane

Concen: 2.972 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX041890.D

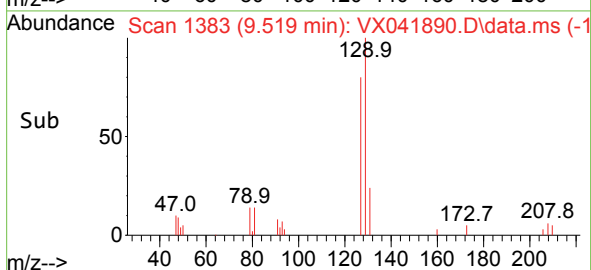
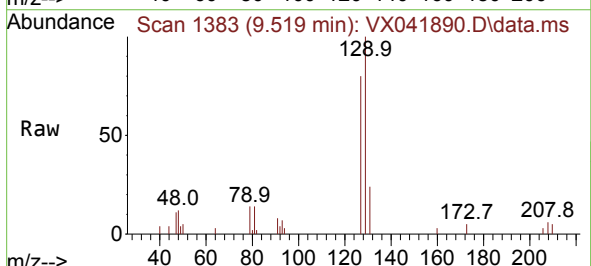
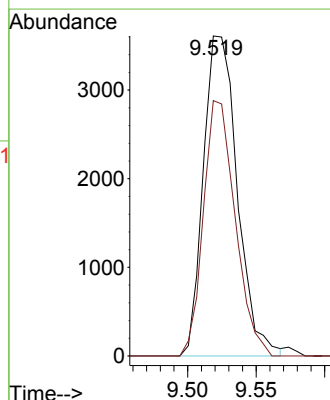
Acq: 14 Jun 2024 20:08

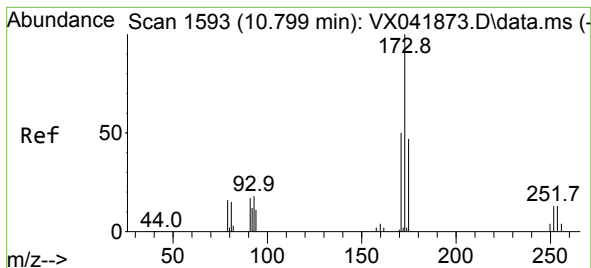
Tgt Ion: 129 Resp: 6231

Ion Ratio Lower Upper

129 100

127 74.7 38.8 116.4





#56

Bromoform

Concen: 0.306 ug/l

RT: 10.805 min Scan# 1593

Delta R.T. 0.006 min

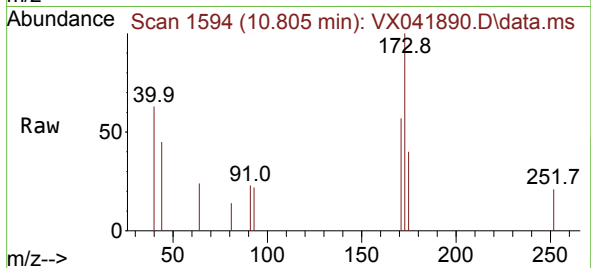
Lab File: VX041890.D

Acq: 14 Jun 2024 20:08

Instrument :

MSVOA_X

ClientSampleId :



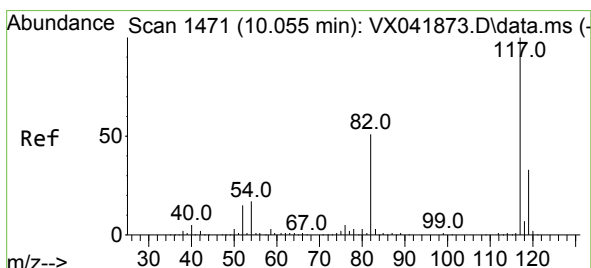
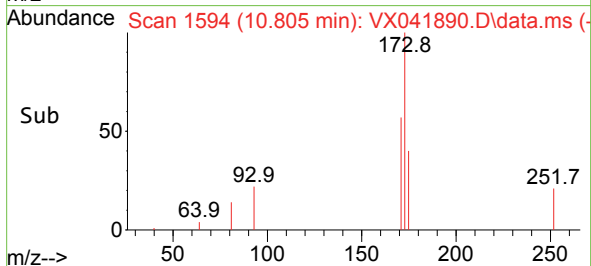
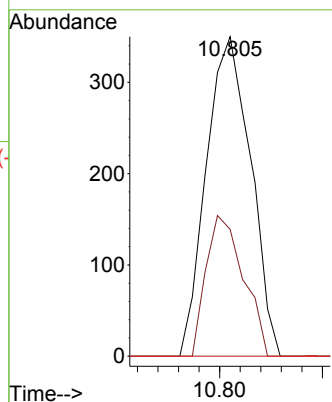
Tgt Ion:173 Resp: 524

Ion Ratio Lower Upper

173 100

175 37.2 39.3 58.9#

254 0.0 9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041890.D

Acq: 14 Jun 2024 20:08

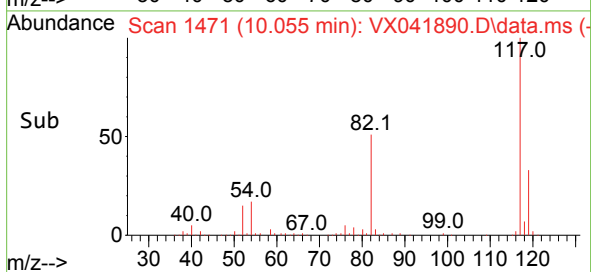
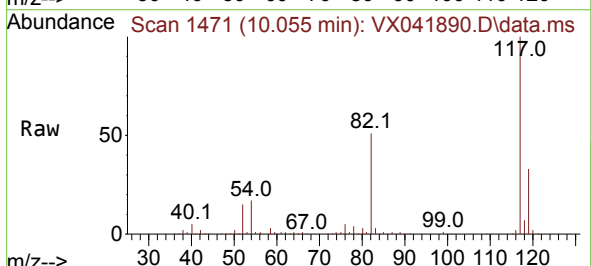
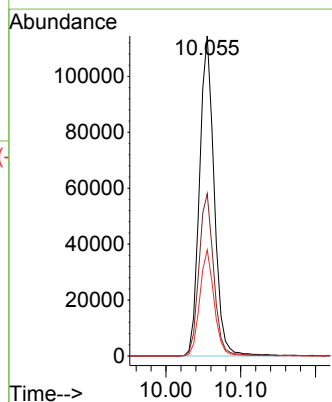
Tgt Ion:117 Resp: 155821

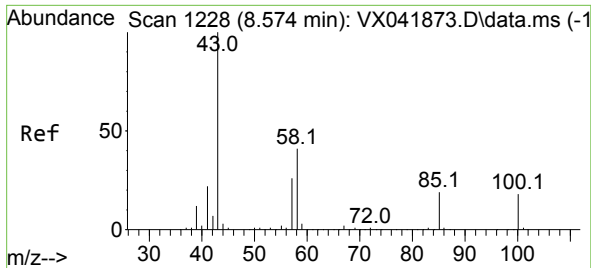
Ion Ratio Lower Upper

117 100

82 51.0 41.1 61.7

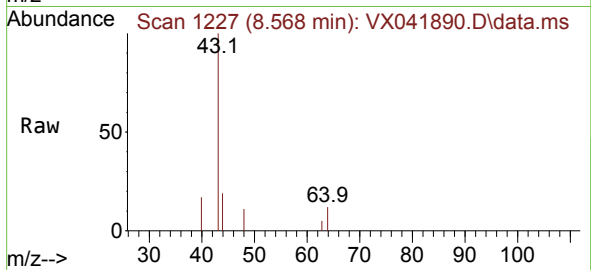
119 32.4 26.1 39.1



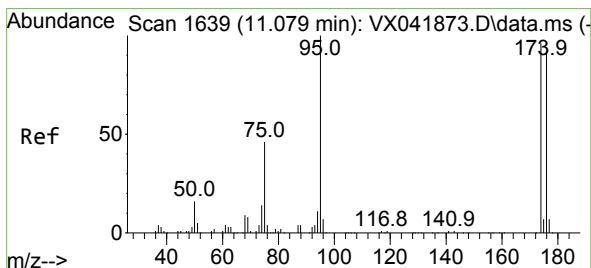
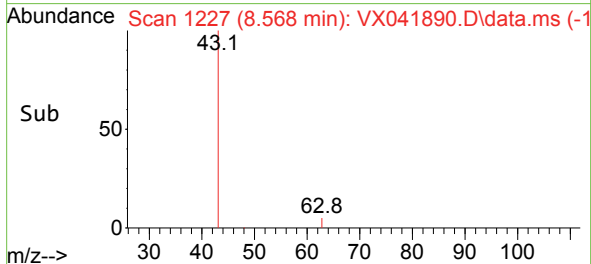
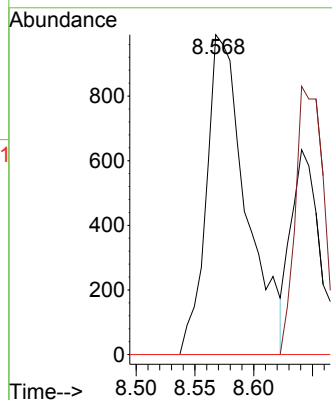


#58
 4-Methyl-2-Pentanone
 Concen: 0.836 ug/l
 RT: 8.568 min Scan# 1227
 Delta R.T. -0.006 min
 Lab File: VX041890.D
 Acq: 14 Jun 2024 20:08

Instrument :
 MSVOA_X
 ClientSampleId :

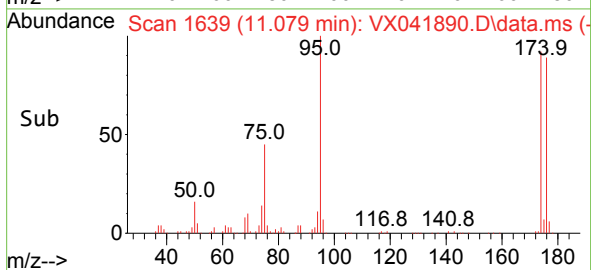
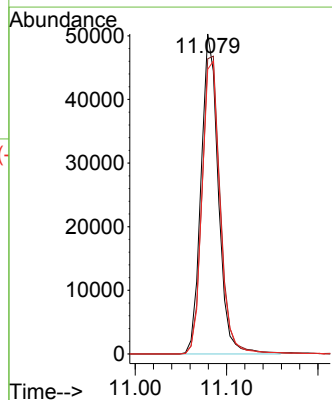
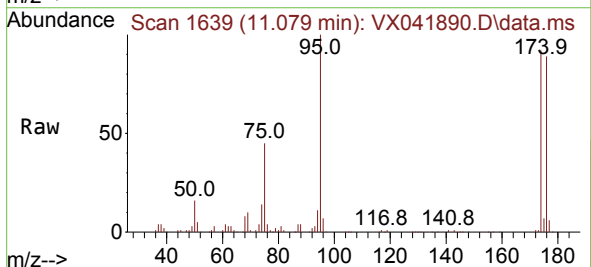


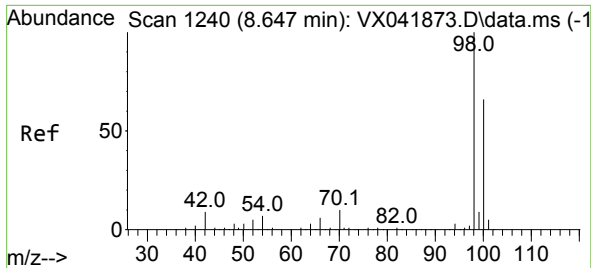
Tgt Ion: 43 Resp: 2335
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 27.406 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX041890.D
 Acq: 14 Jun 2024 20:08

Tgt Ion: 95 Resp: 66104
 Ion Ratio Lower Upper
 95 100
 174 98.3 78.9 118.3
 176 95.7 77.1 115.7

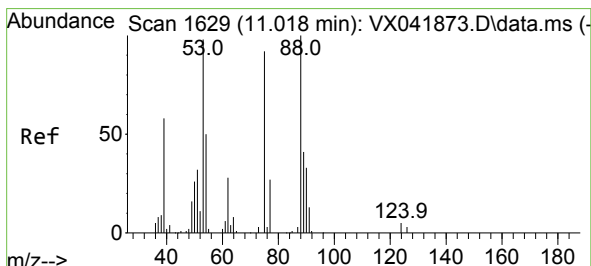
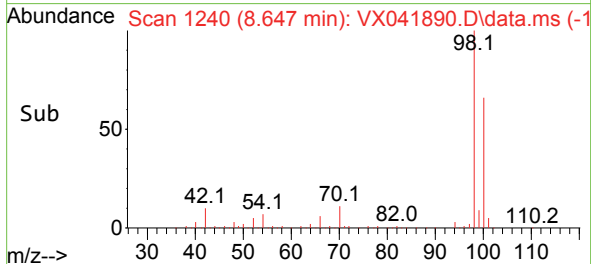
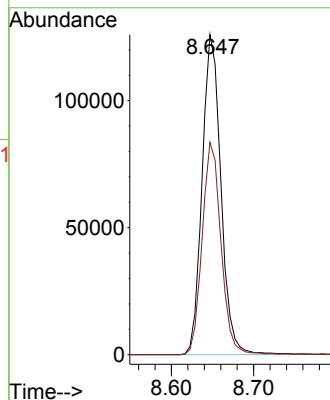
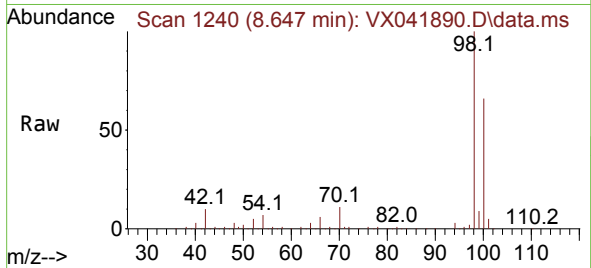




#63
Toluene-d8
Concen: 30.016 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 200105
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.063 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041890.D
Acq: 14 Jun 2024 20:08

Tgt Ion: 75 Resp: 29802
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

