

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
 Data File : VX041905.D
 Acq On : 17 Jun 2024 13:24
 Operator : JC/MD
 Sample : P2908-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 02:06:55 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)

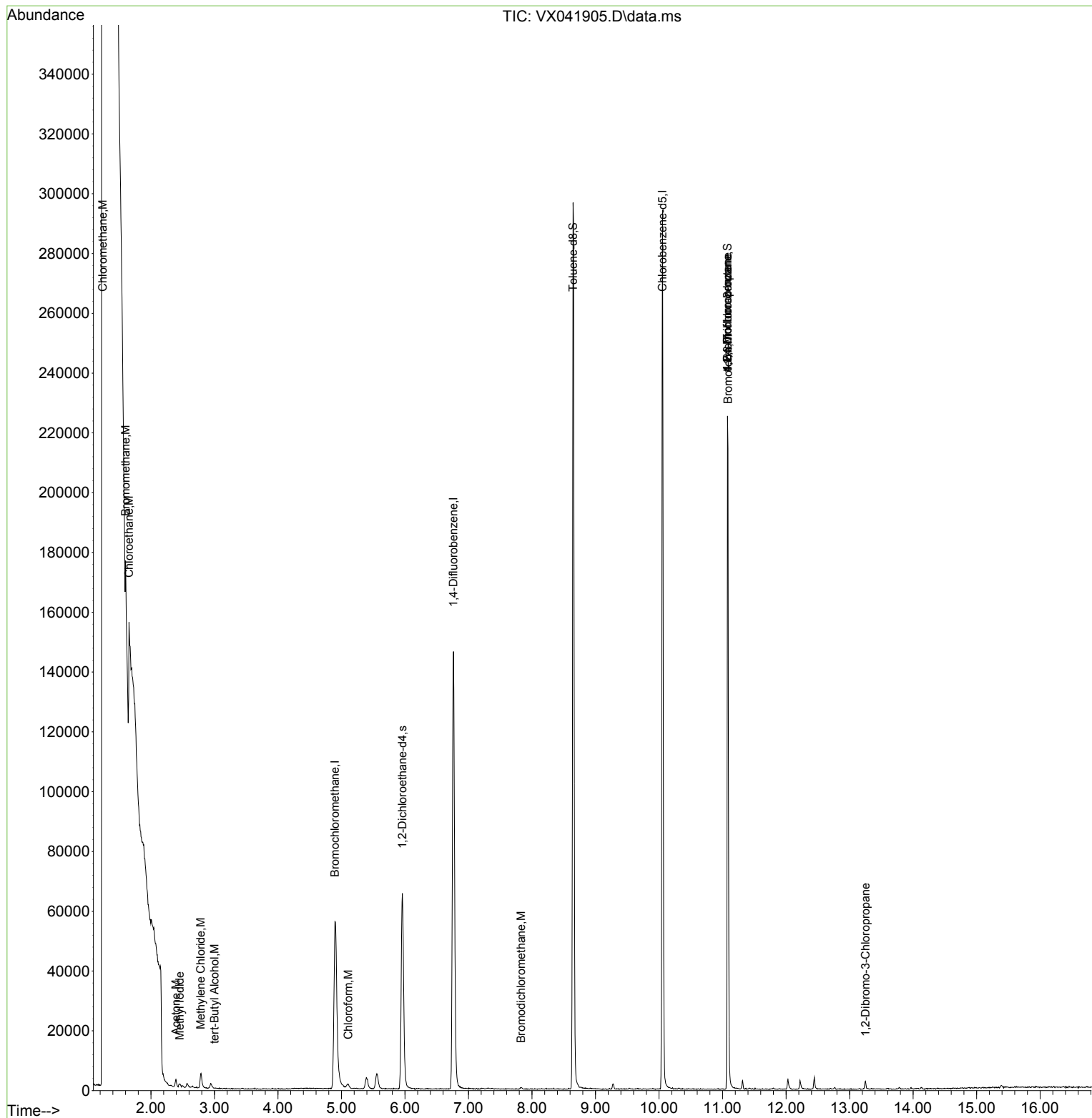
Internal Standards						
1) Bromochloromethane	4.897	128	30173	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	163893	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147005	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62410	30.047	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.167%
60) 4-Bromofluorobenzene	11.079	95	60867	26.749	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.167%
63) Toluene-d8	8.647	98	191167	30.395	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.333%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	712767	326.456	ug/l #	42
5) Bromomethane	1.599	94	956	0.838	ug/l	93
6) Chloroethane	1.654	64	45381	49.747	ug/l #	52
11) Methyl Iodide	2.453	142	1326	0.552	ug/l	82
15) Acetone	2.392	58	827	2.591	ug/l	87
18) Methylene Chloride	2.782	84	2799	1.323	ug/l	97
23) tert-Butyl Alcohol	3.001	59	108	0.260	ug/l #	100
25) Chloroform	5.105	83	1949	0.583	ug/l	98
41) Bromodichloromethane	7.830	83	472	0.210	ug/l #	69
56) Bromoform	11.085	173	504	0.309	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	27675	12.039	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	27675	32.544	ug/l #	7
88) 1,2-Dibromo-3-Chloropr...	13.250	75	149	0.254	ug/l #	1

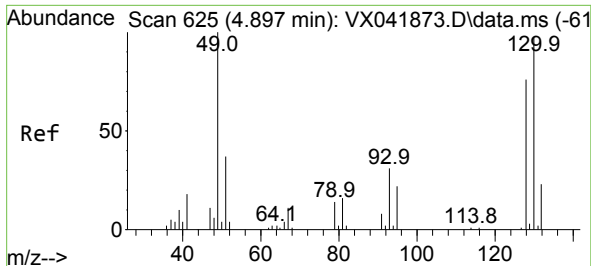
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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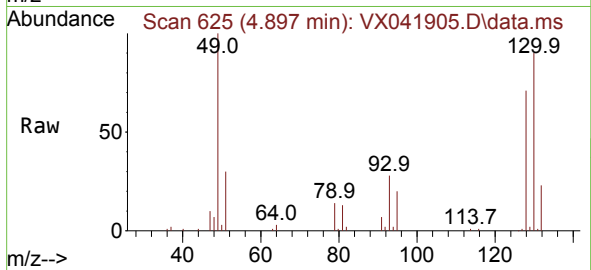
Quant Time: Jun 18 02:06:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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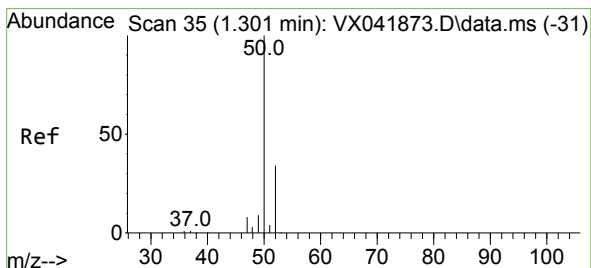
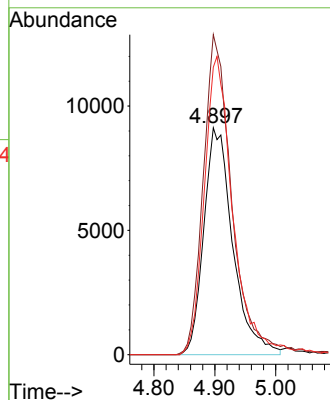
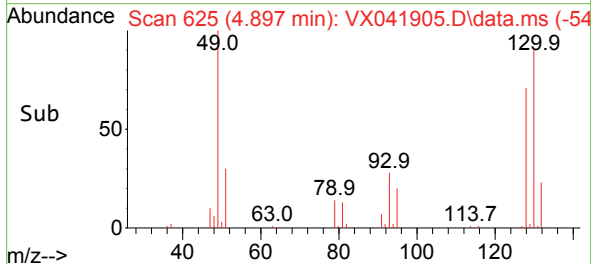


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

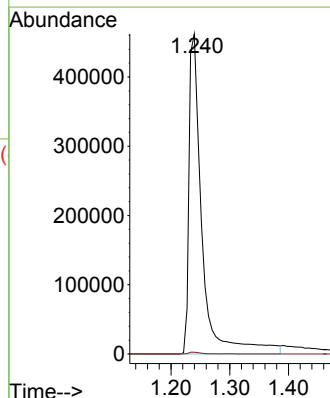
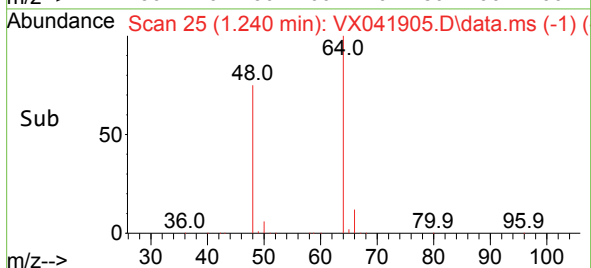
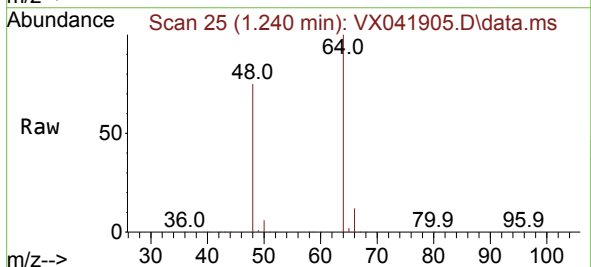


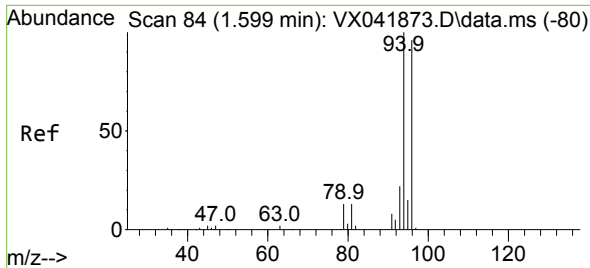
Tgt Ion:128 Resp: 30173
Ion Ratio Lower Upper
128 100
49 139.1 0.0 338.5
130 127.8 0.0 324.5



#3
Chloromethane
Concen: 326.456 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.061 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Tgt Ion: 50 Resp: 712767
Ion Ratio Lower Upper
50 100
52 0.6 26.9 40.3#

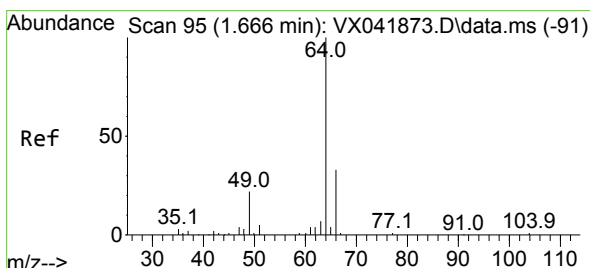
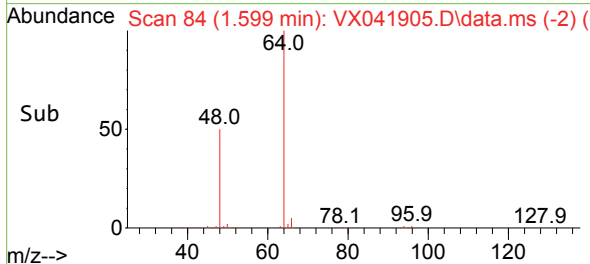
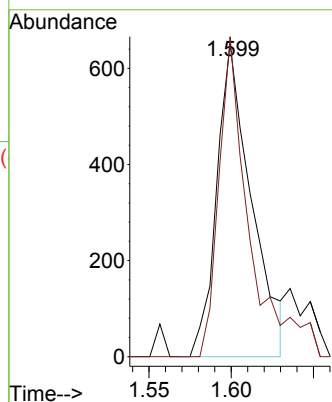
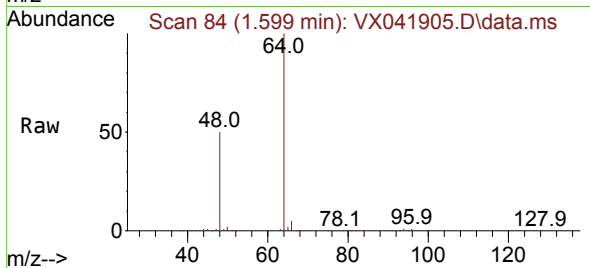




#5
 Bromomethane
 Concen: 0.838 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX041905.D
 Acq: 17 Jun 2024 13:24

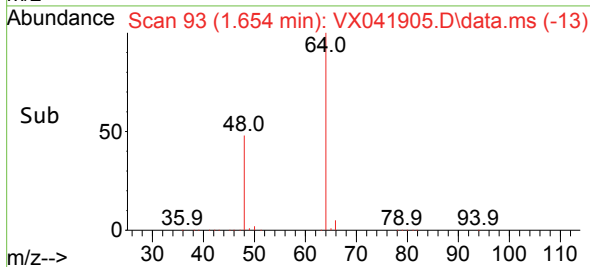
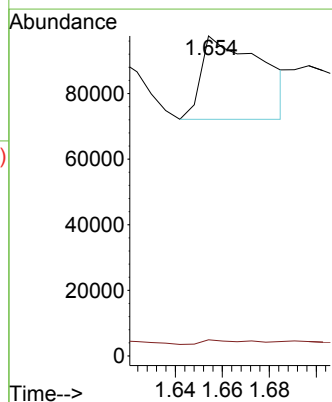
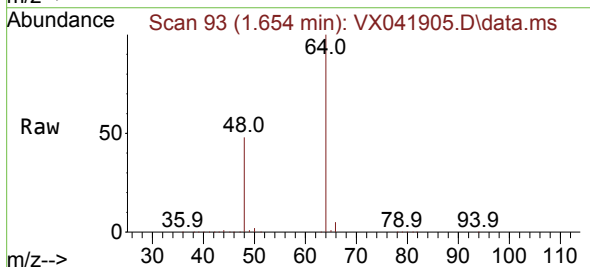
Instrument :
 MSVOA_X
 ClientSampleId :

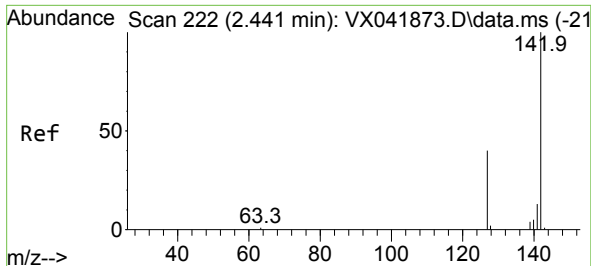
Tgt Ion: 94 Resp: 956
 Ion Ratio Lower Upper
 94 100
 96 102.3 76.6 115.0



#6
 Chloroethane
 Concen: 49.747 ug/l
 RT: 1.654 min Scan# 93
 Delta R.T. -0.012 min
 Lab File: VX041905.D
 Acq: 17 Jun 2024 13:24

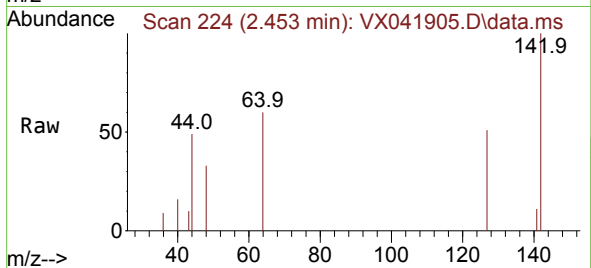
Tgt Ion: 64 Resp: 45381
 Ion Ratio Lower Upper
 64 100
 66 5.6 26.4 39.6#



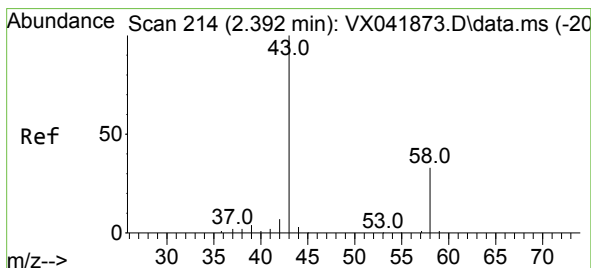
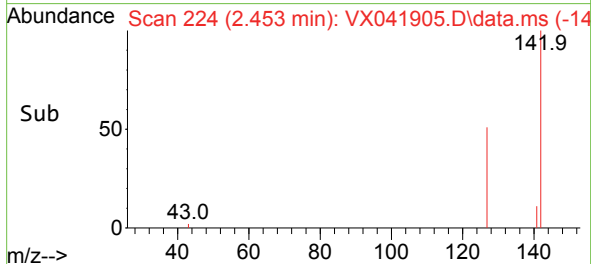
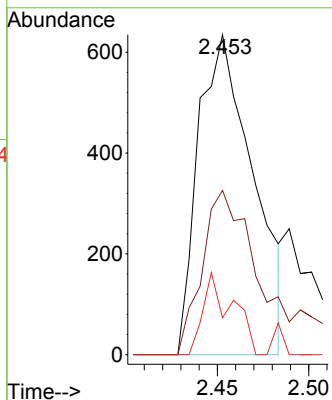


#11
Methyl Iodide
Concen: 0.552 ug/l
RT: 2.453 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

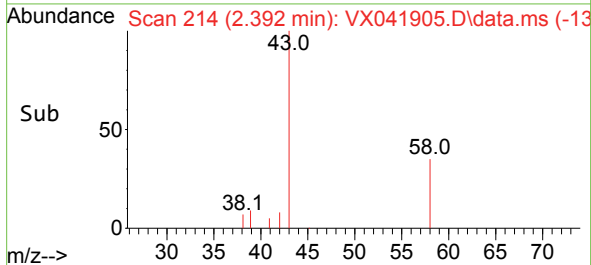
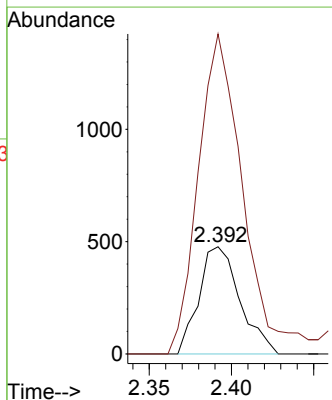
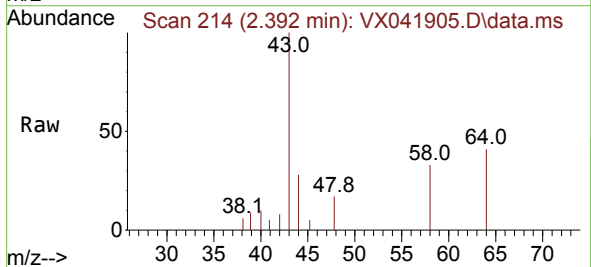


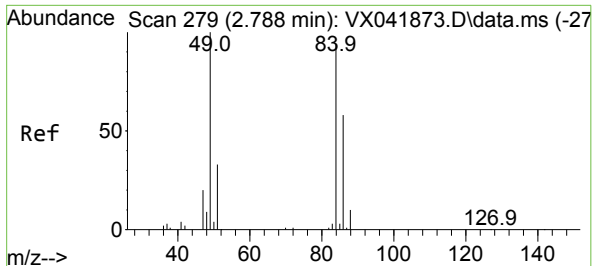
Tgt Ion:142 Resp: 1326
Ion Ratio Lower Upper
142 100
127 51.1 19.8 59.3
141 7.9 6.7 20.1



#15
Acetone
Concen: 2.591 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Tgt Ion: 58 Resp: 827
Ion Ratio Lower Upper
58 100
43 277.8 243.4 365.2





#18

Methylene Chloride

Concen: 1.323 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

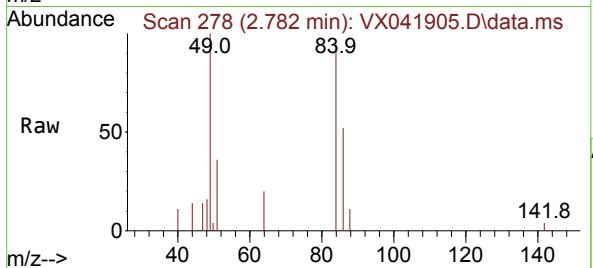
Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

Instrument :

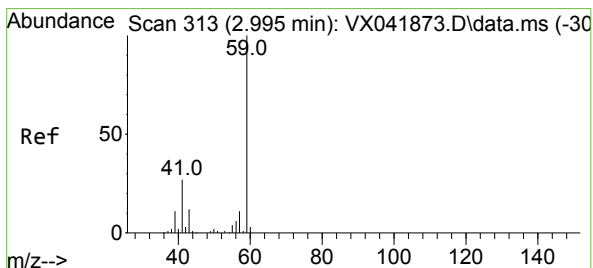
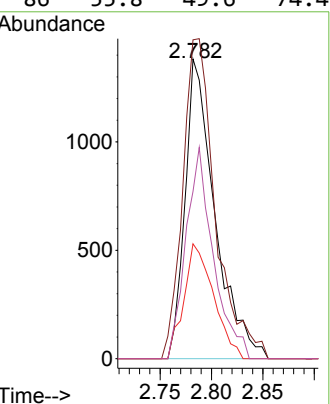
MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2799

Ion	Ratio	Lower	Upper
84	100		
49	106.4	85.3	127.9
51	38.4	28.5	42.7
86	55.8	49.6	74.4



#23

tert-Butyl Alcohol

Concen: 0.260 ug/l

RT: 3.001 min Scan# 314

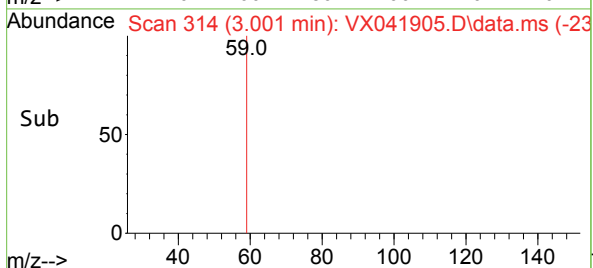
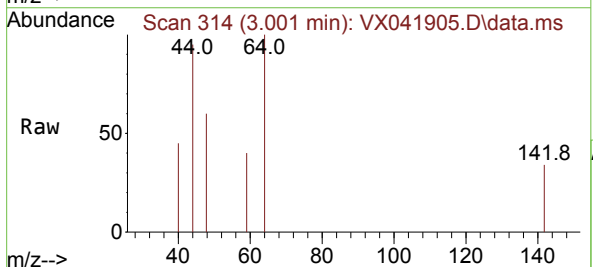
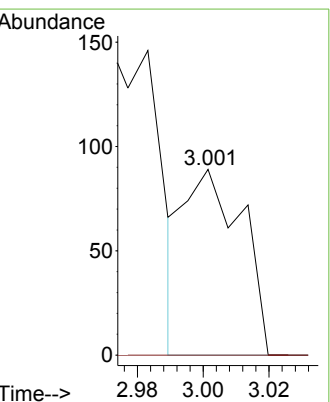
Delta R.T. 0.006 min

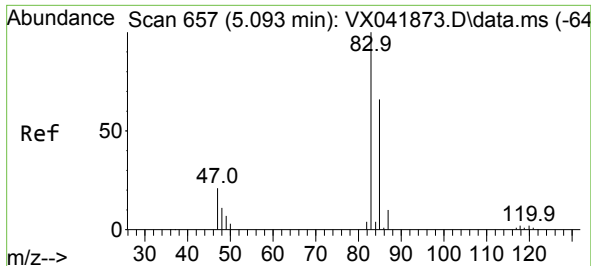
Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

Tgt Ion: 59 Resp: 108

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

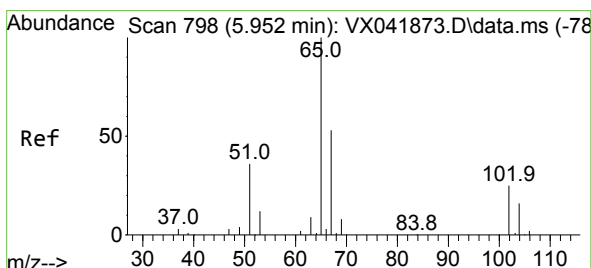
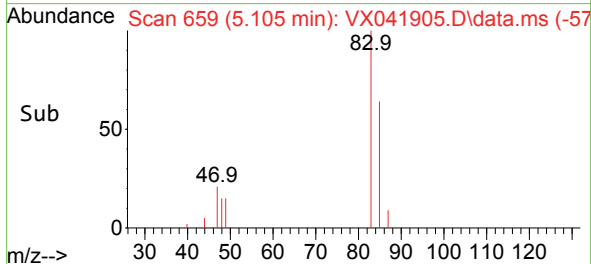
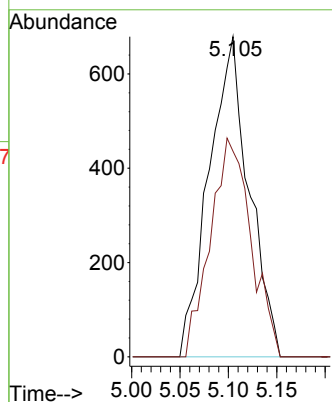
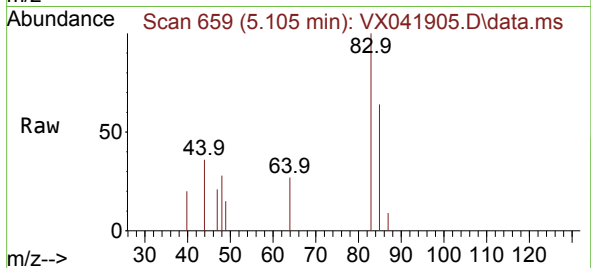




#25
Chloroform
Concen: 0.583 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

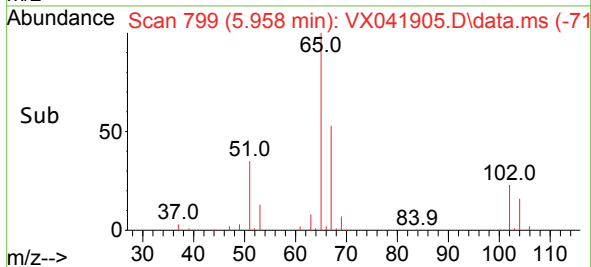
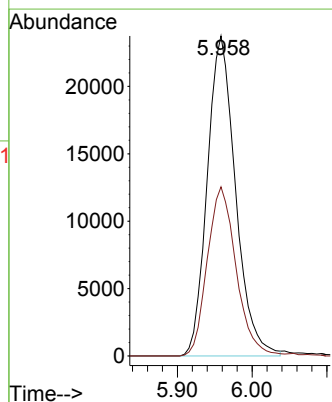
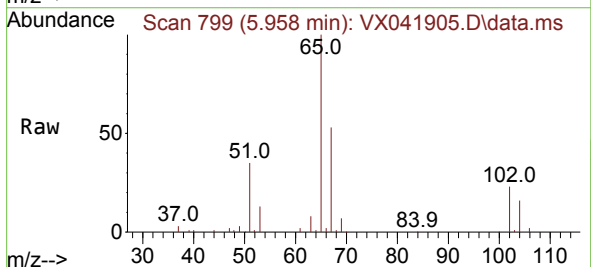
Instrument :
MSVOA_X
ClientSampleId :

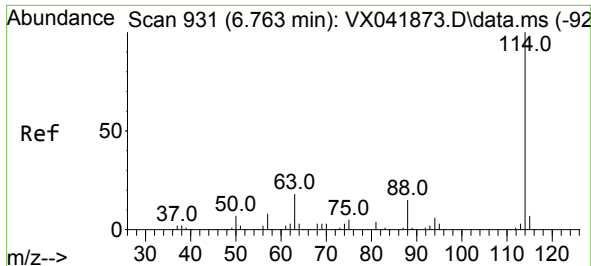
Tgt Ion: 83 Resp: 1949
Ion Ratio Lower Upper
83 100
85 64.2 52.7 79.1



#27
1,2-Dichloroethane-d4
Concen: 30.047 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Tgt Ion: 65 Resp: 62410
Ion Ratio Lower Upper
65 100
67 53.8 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: VX041905.D

Acq: 17 Jun 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

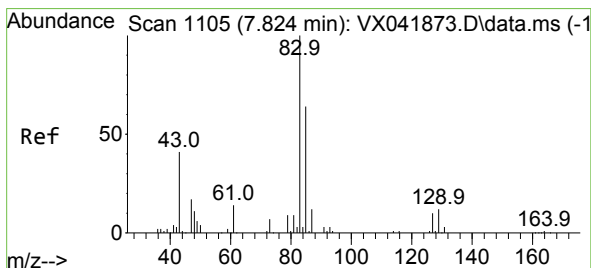
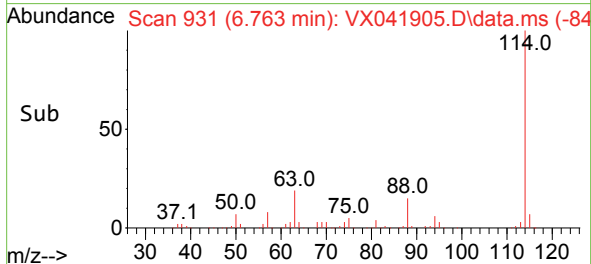
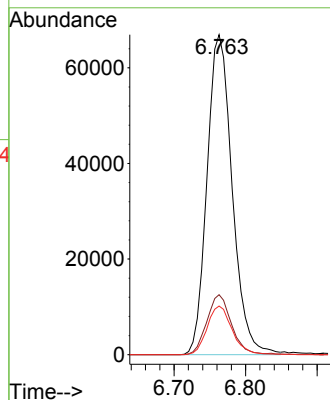
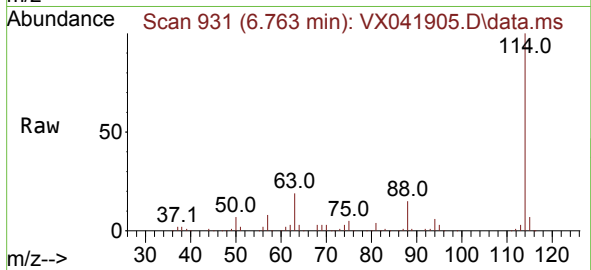
Tgt Ion:114 Resp: 163893

Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

88 15.1 11.8 17.8



#41

Bromodichloromethane

Concen: 0.210 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

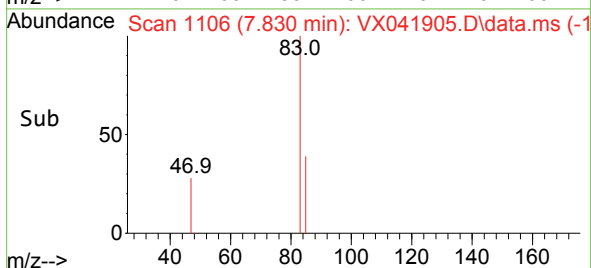
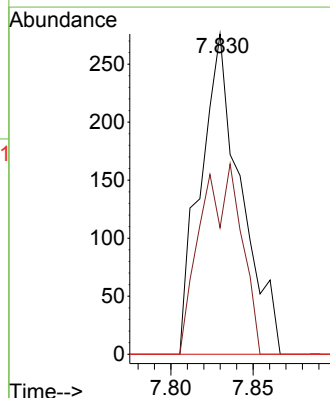
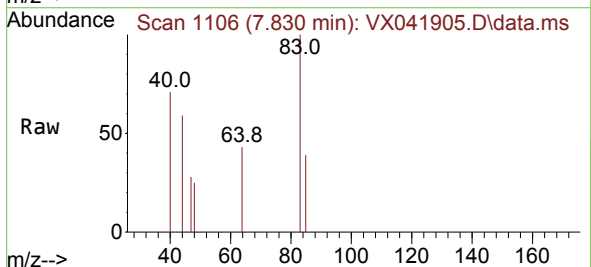
Tgt Ion: 83 Resp: 472

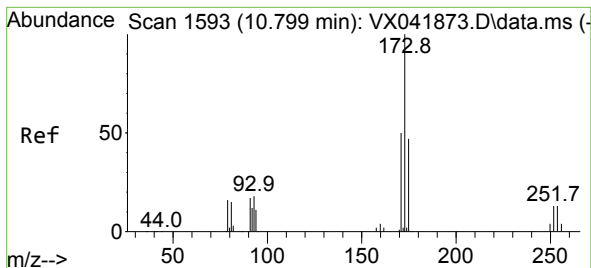
Ion Ratio Lower Upper

83 100

85 39.5 51.1 76.7#

127 0.0 8.1 12.1#





#56

Bromoform

Concen: 0.309 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

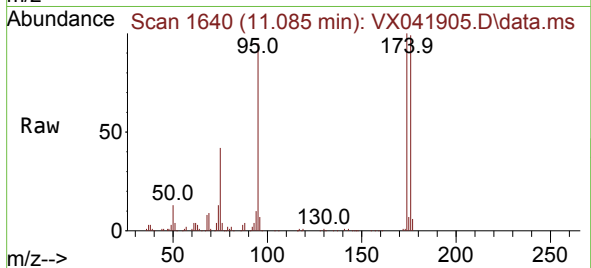
Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :



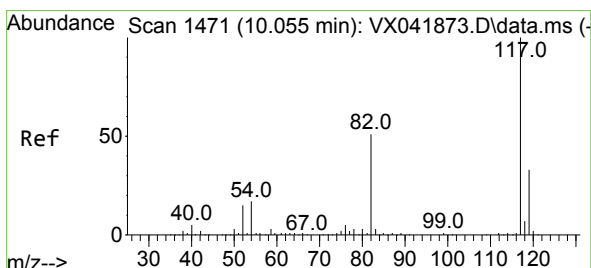
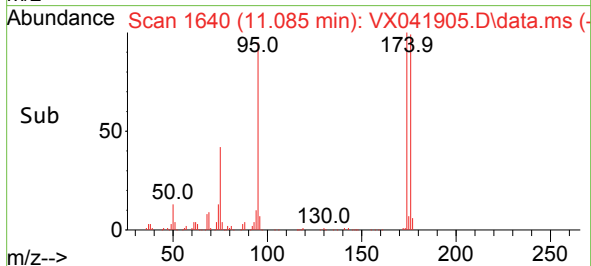
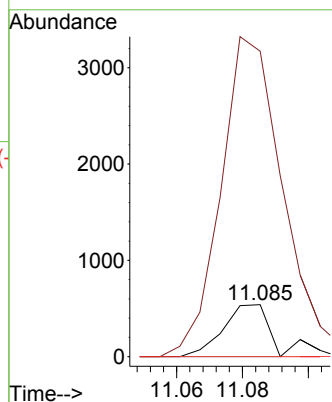
Tgt Ion:173 Resp: 504

Ion Ratio Lower Upper

173 100

175 867.7 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: VX041905.D

Acq: 17 Jun 2024 13:24

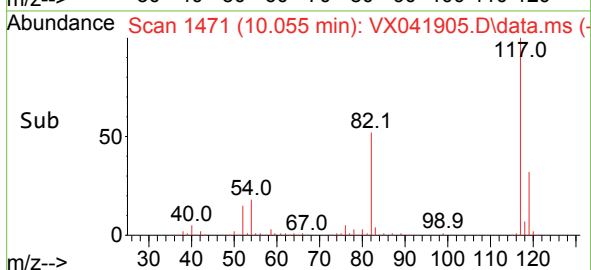
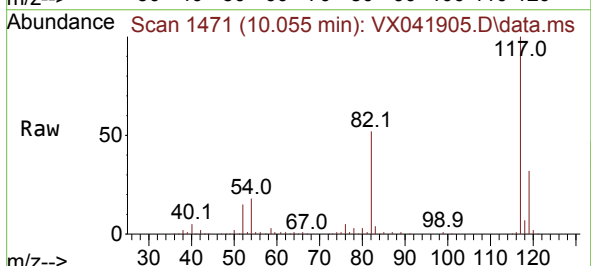
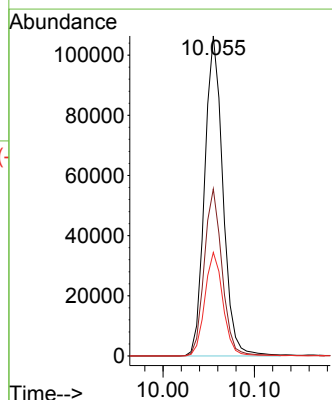
Tgt Ion:117 Resp: 147005

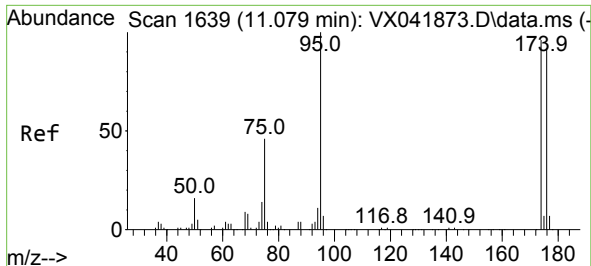
Ion Ratio Lower Upper

117 100

82 51.3 41.1 61.7

119 32.3 26.1 39.1

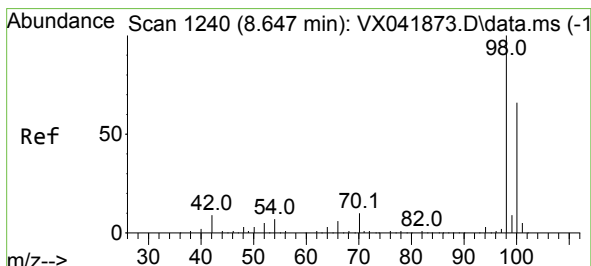
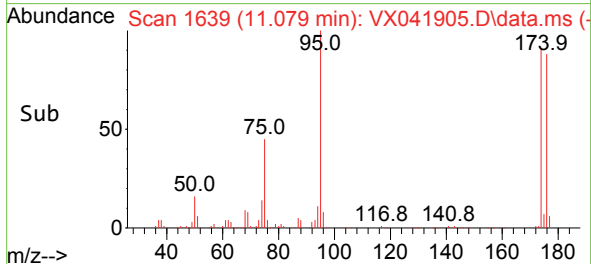
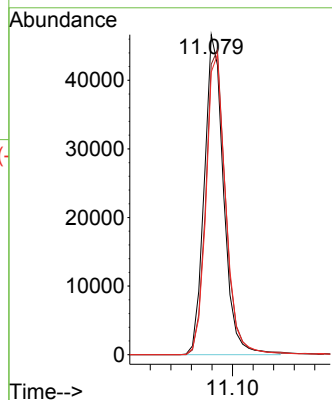
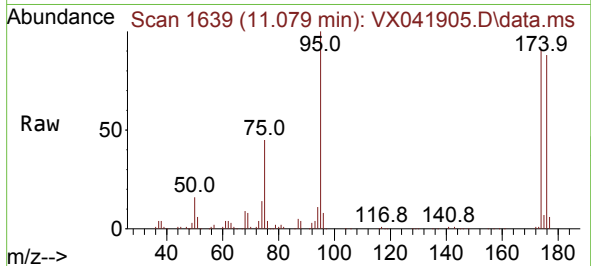




#60
4-Bromofluorobenzene
Concen: 26.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

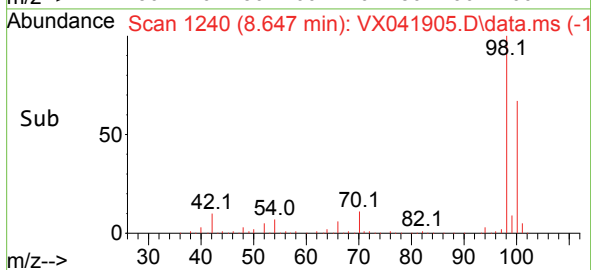
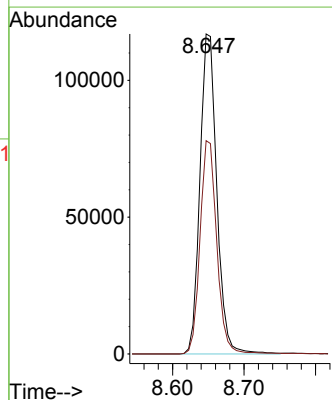
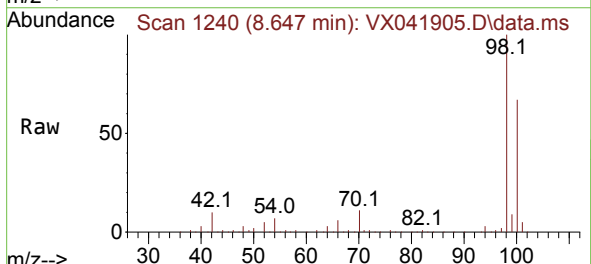
Instrument :
MSVOA_X
ClientSampleId :

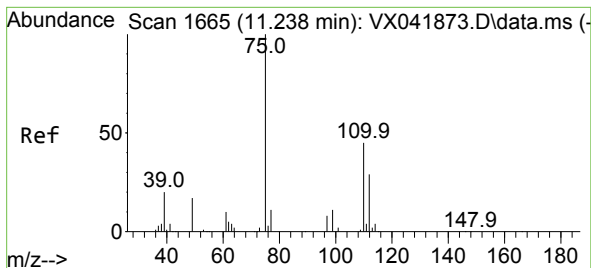
Tgt Ion: 95 Resp: 60867
Ion Ratio Lower Upper
95 100
174 96.8 78.9 118.3
176 95.8 77.1 115.7



#63
Toluene-d8
Concen: 30.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041905.D
Acq: 17 Jun 2024 13:24

Tgt Ion: 98 Resp: 191167
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1





#72

1,2,3-Trichloropropane

Concen: 12.039 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

Instrument :

MSVOA_X

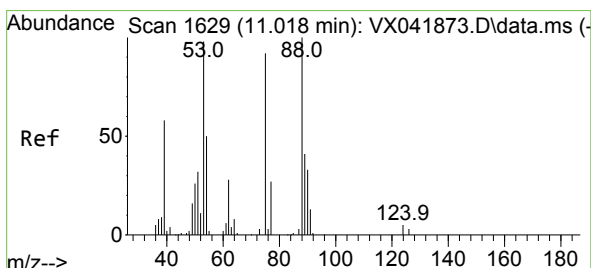
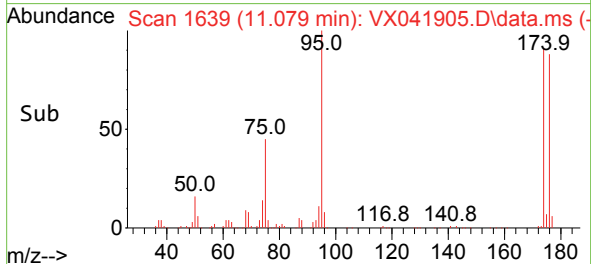
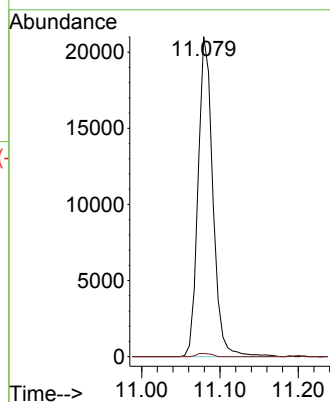
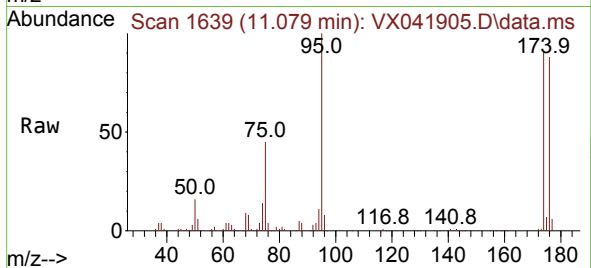
ClientSampleId :

Tgt Ion: 75 Resp: 27675

Ion Ratio Lower Upper

75 100

77 1.0 0.0 79.6



#77

t-1,4-Dichloro-2-butene

Concen: 32.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

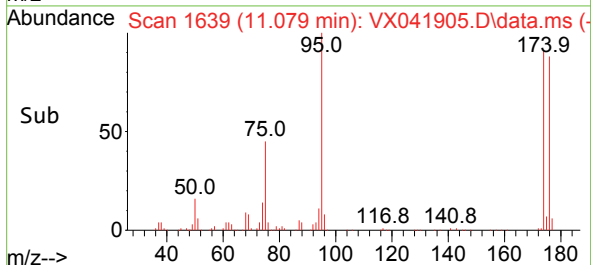
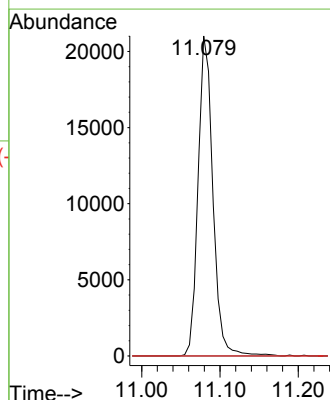
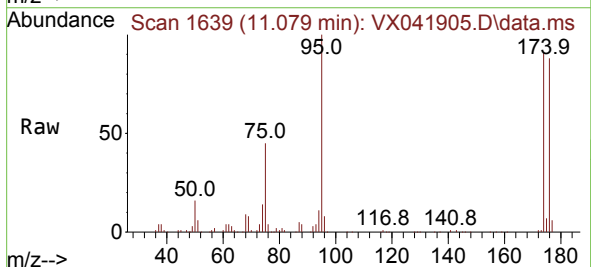
Tgt Ion: 75 Resp: 27675

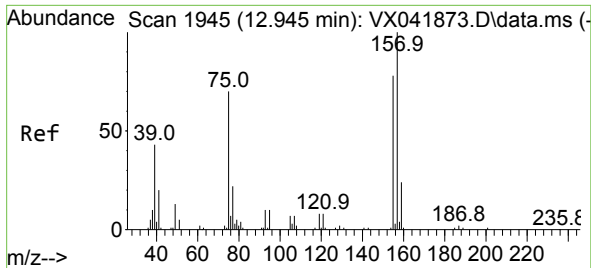
Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.254 ug/l

RT: 13.250 min Scan# 1995

Delta R.T. 0.305 min

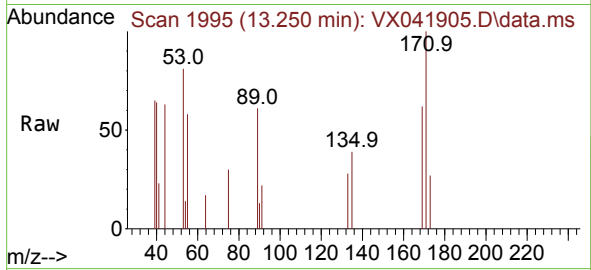
Lab File: VX041905.D

Acq: 17 Jun 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 149

Ion Ratio Lower Upper

75 100

155 0.0 88.6 133.0#

157 0.0 112.8 169.2#

