

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041724\
 Data File : VN081772.D
 Acq On : 17 Apr 2024 14:49
 Operator : JC\MD
 Sample : P2155-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 01:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

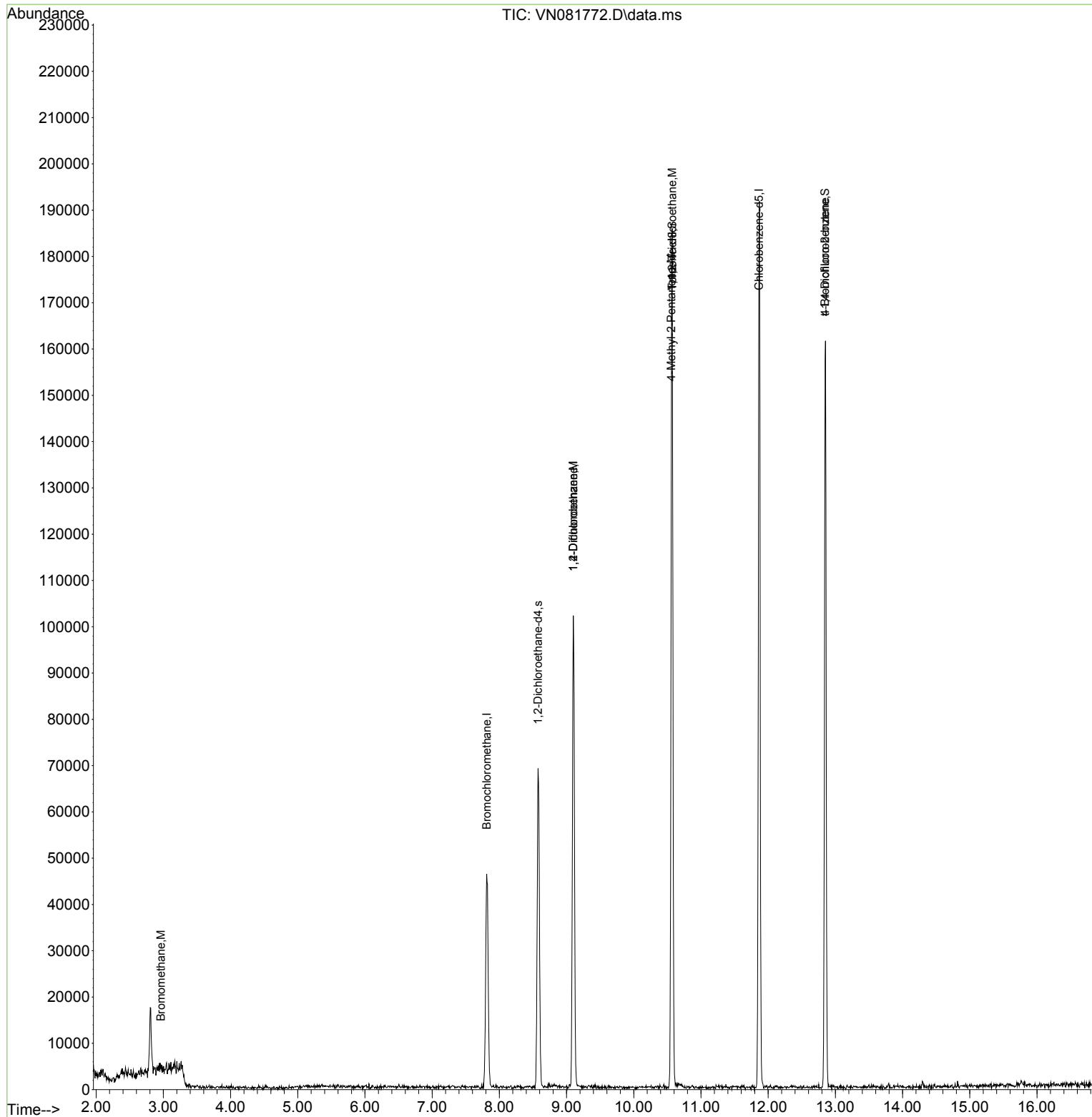
Internal Standards						
1) Bromochloromethane	7.812	128	17264	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	86345	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	112597	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	59497	28.053	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.500%
60) 4-Bromofluorobenzene	12.847	95	54063	24.422	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.400%
63) Toluene-d8	10.571	98	129140	28.593	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	389	0.213	ug/l #	44
36) 1,2-Dichloroethane	9.100	62	2209	0.921	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5404	2.970	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	511	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	28989	34.257	ug/l #	12

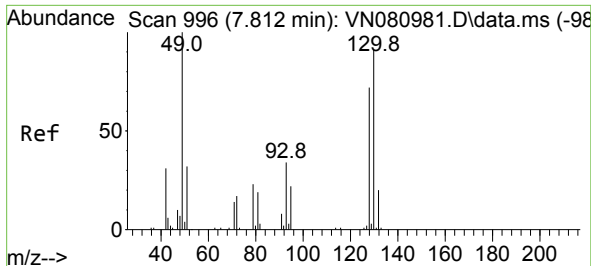
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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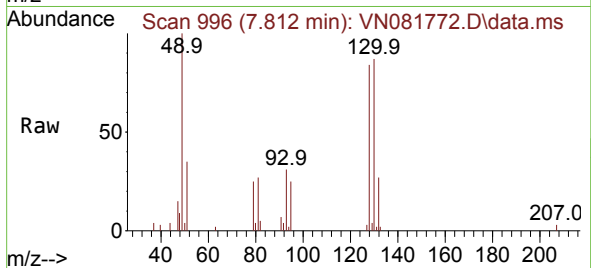
Quant Time: Apr 18 01:11:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



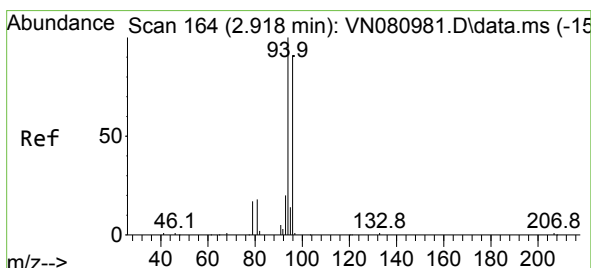
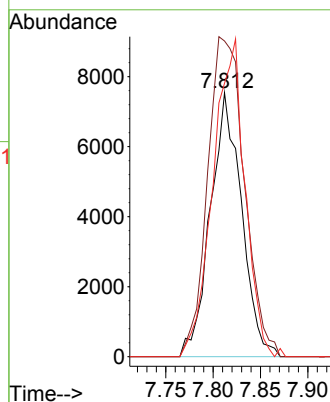
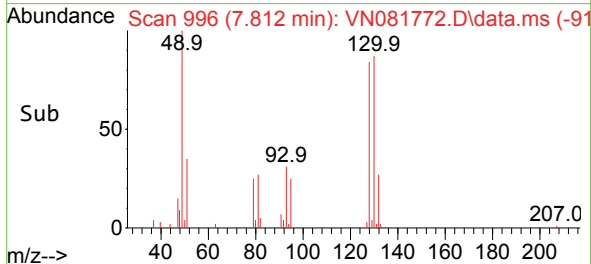


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

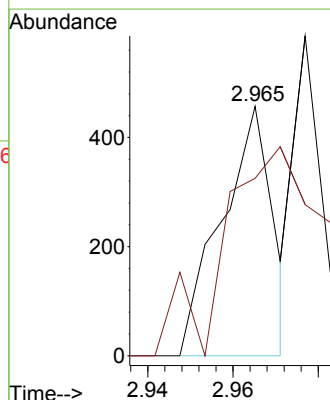
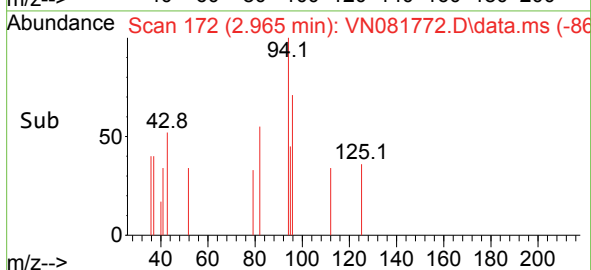
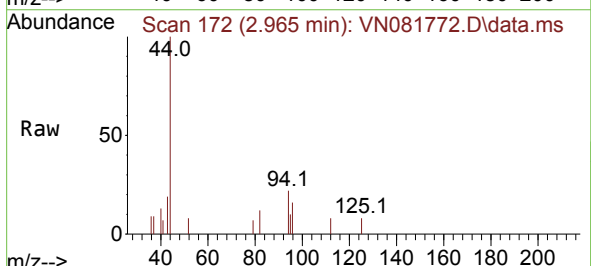


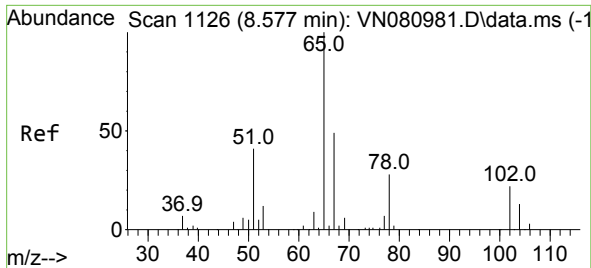
Tgt Ion:128 Resp: 17264
Ion Ratio Lower Upper
128 100
49 143.0 0.0 403.7
130 123.2 0.0 323.3



#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49

Tgt Ion: 94 Resp: 389
Ion Ratio Lower Upper
94 100
96 37.6 72.8 109.2#





#27

1,2-Dichloroethane-d4

Concen: 28.053 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN081772.D

Acq: 17 Apr 2024 14:49

Instrument :

MSVOA_N

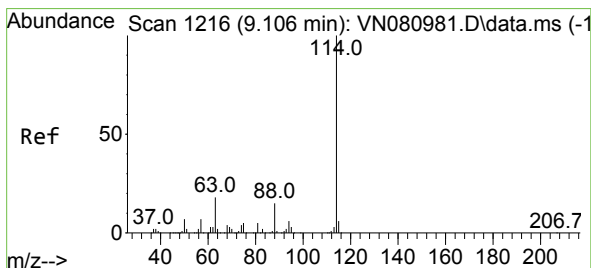
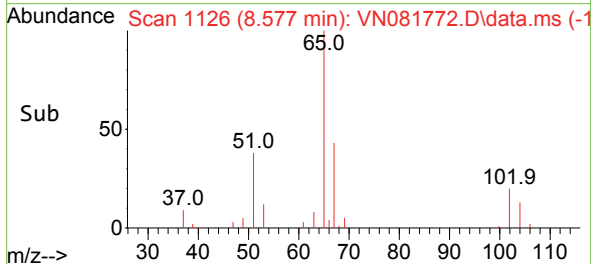
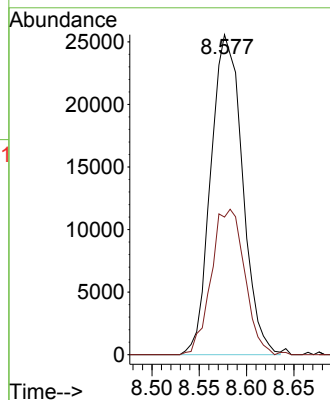
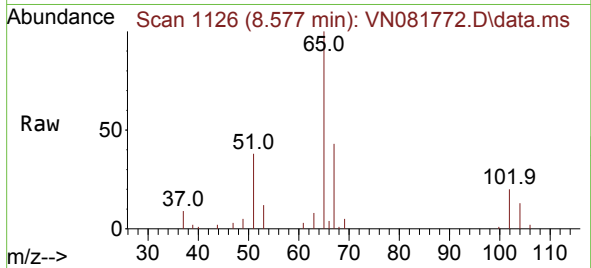
ClientSampleId :

Tgt Ion: 65 Resp: 59497

Ion Ratio Lower Upper

65 100

67 22.8 43.2 64.8#



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081772.D

Acq: 17 Apr 2024 14:49

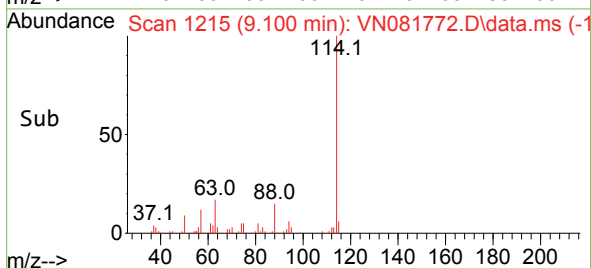
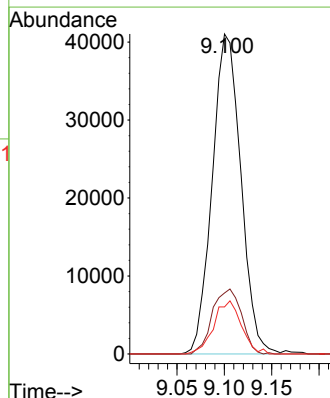
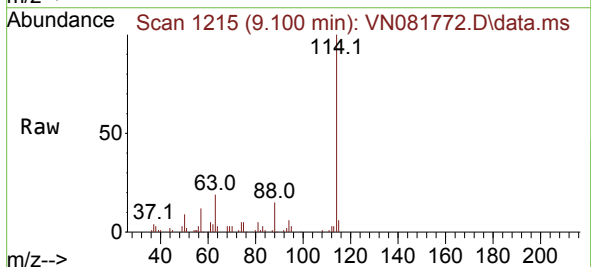
Tgt Ion: 114 Resp: 86345

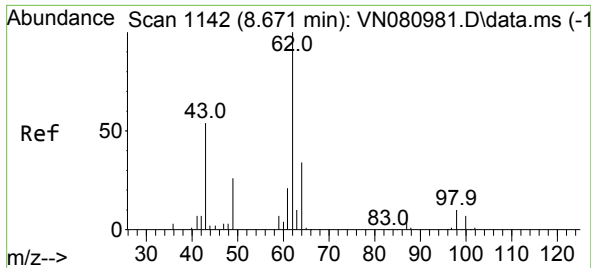
Ion Ratio Lower Upper

114 100

63 20.6 15.9 23.9

88 16.0 12.7 19.1

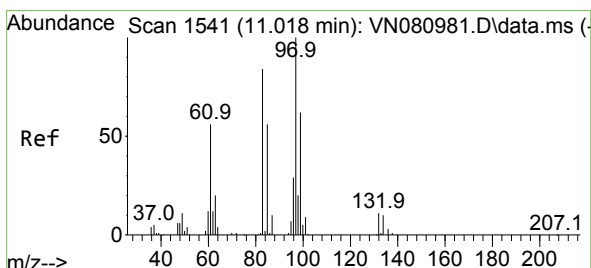
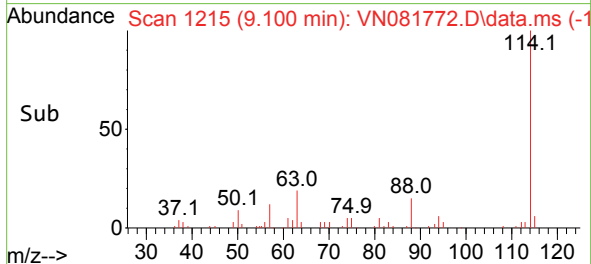
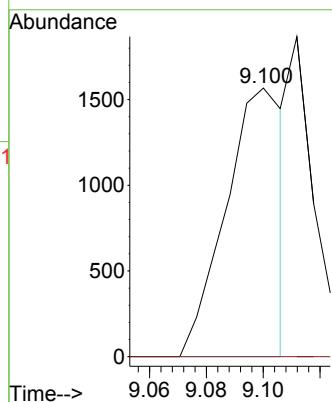
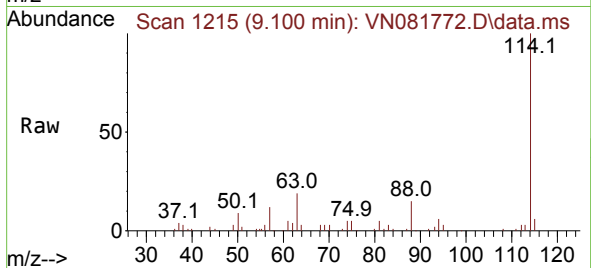




#36
1,2-Dichloroethane
Concen: 0.921 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49

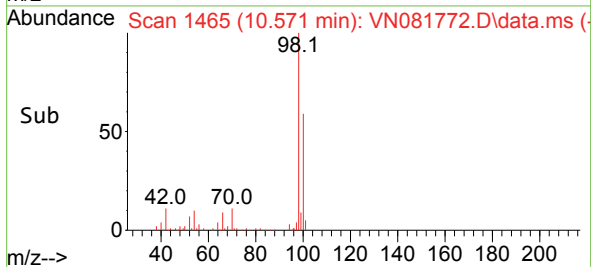
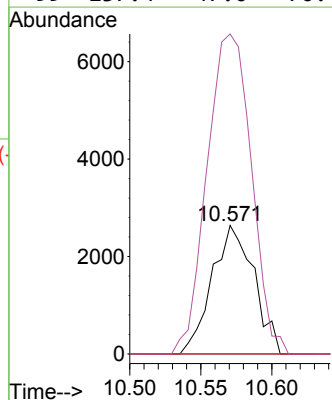
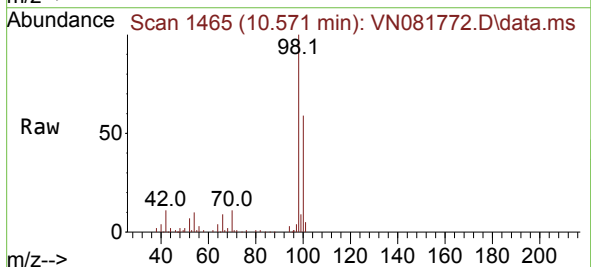
Instrument :
MSVOA_N
ClientSampleId :

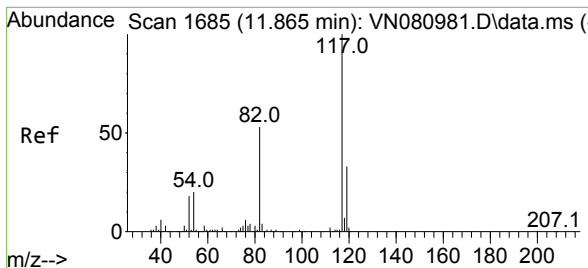
Tgt Ion: 62 Resp: 2209
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#50
1,1,2-Trichloroethane
Concen: 2.970 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49

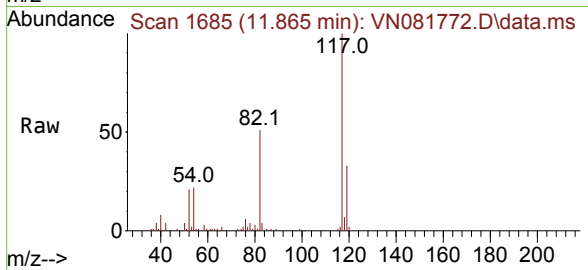
Tgt Ion: 97 Resp: 5404
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 237.4 47.0 70.4#



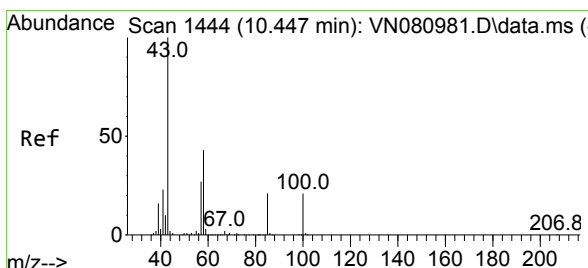
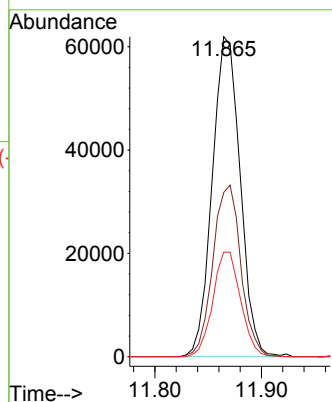
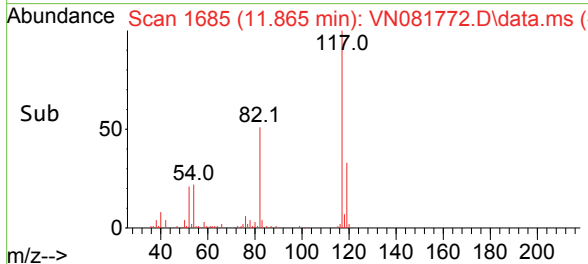


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49

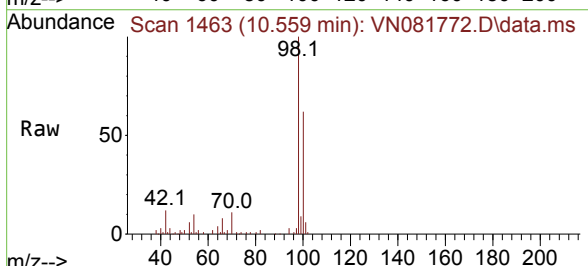
Instrument :
MSVOA_N
ClientSampleId :



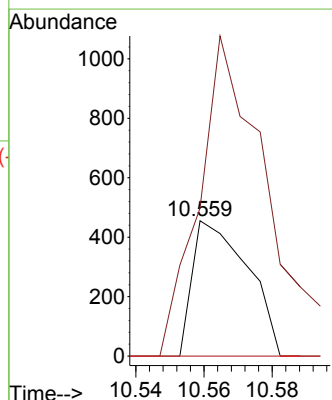
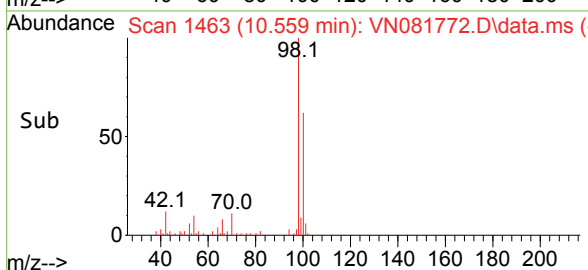
Tgt Ion:117 Resp: 112597
Ion Ratio Lower Upper
117 100
82 53.8 46.6 69.8
119 32.5 25.4 38.2

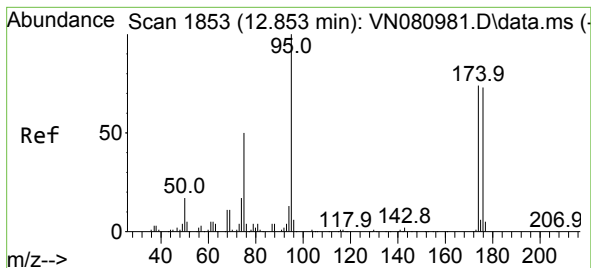


#58
4-Methyl-2-Pentanone
Concen: 0.264 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081772.D
Acq: 17 Apr 2024 14:49



Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
58 286.7 36.5 54.7#
85 0.0 19.5 29.3#





#60

4-Bromofluorobenzene

Concen: 24.422 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.000 min

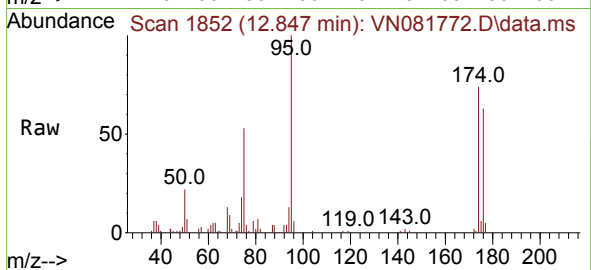
Lab File: VN081772.D

Acq: 17 Apr 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :



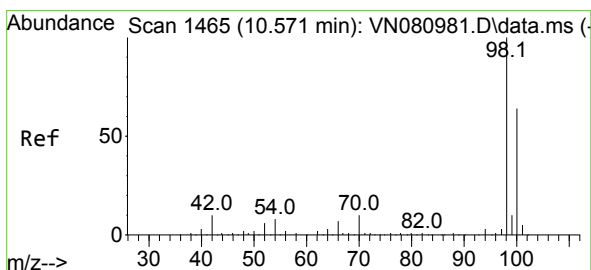
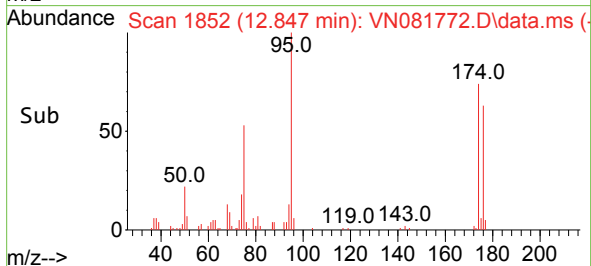
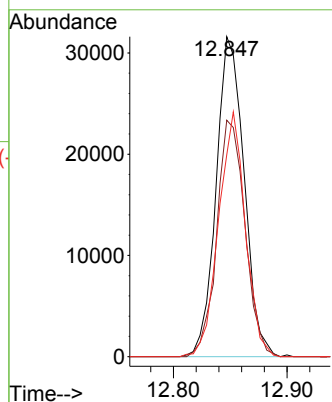
Tgt Ion: 95 Resp: 54063

Ion Ratio Lower Upper

95 100

174 74.5 60.5 90.7

176 73.1 57.8 86.6



#63

Toluene-d8

Concen: 28.593 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081772.D

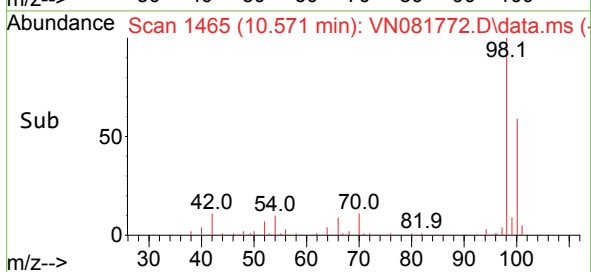
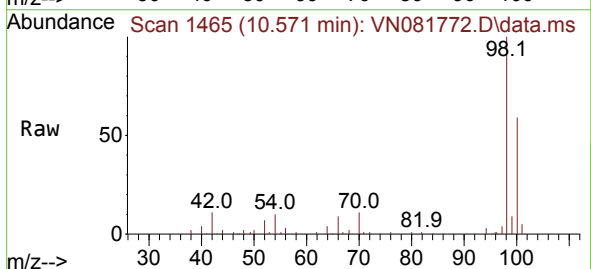
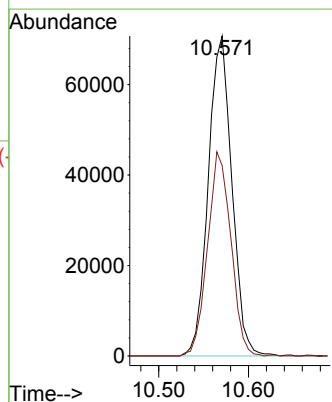
Acq: 17 Apr 2024 14:49

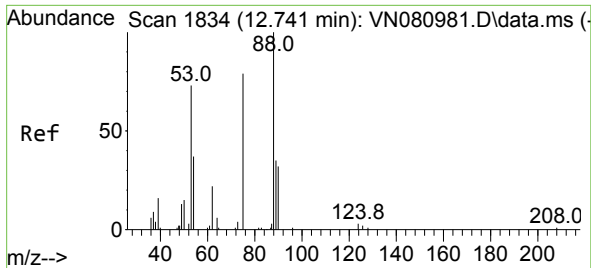
Tgt Ion: 98 Resp: 129140

Ion Ratio Lower Upper

98 100

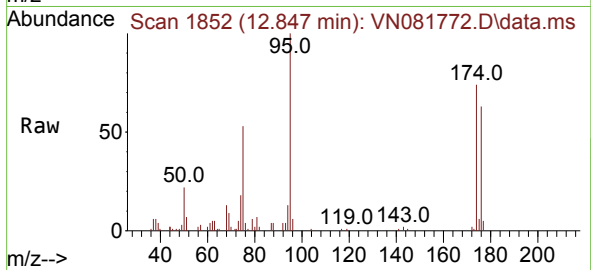
100 63.0 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.257 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081772.D
 Acq: 17 Apr 2024 14:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

