

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082119.D
 Acq On : 14 May 2024 16:51
 Operator : JC\MD
 Sample : P2461-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:48:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

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

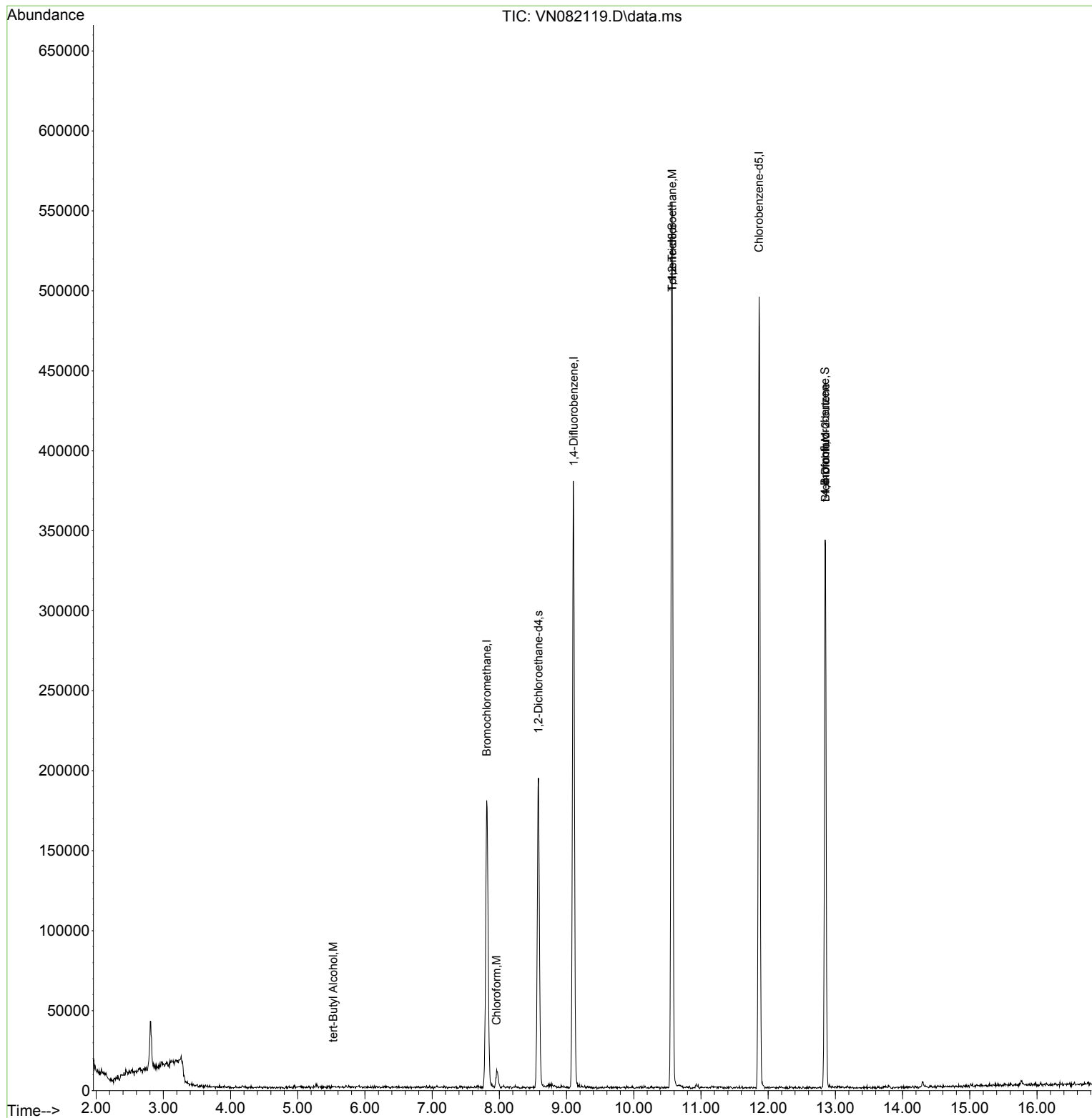
Internal Standards						
1) Bromochloromethane	7.812	128	56140	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	293230	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	261734	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	152628	32.472	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.233%
60) 4-Bromofluorobenzene	12.847	95	107682	24.721	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.400%
63) Toluene-d8	10.571	98	366835	29.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.530	59	197	0.244	ug/l #	100
25) Chloroform	7.959	83	7300	1.077	ug/l #	65
50) 1,1,2-Trichloroethane	10.571	97	13000	4.174	ug/l #	1
56) Bromoform	12.853	173	1236	0.599	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	64199	35.631	ug/l #	12

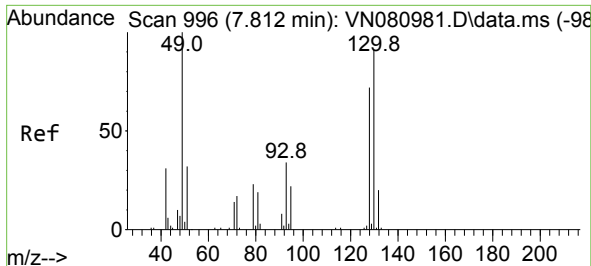
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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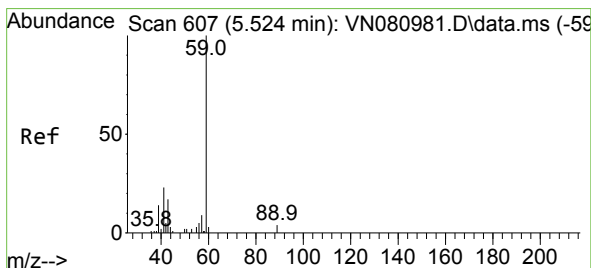
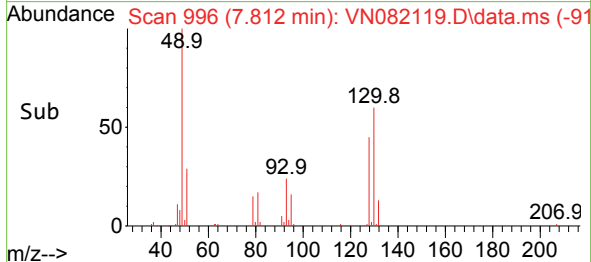
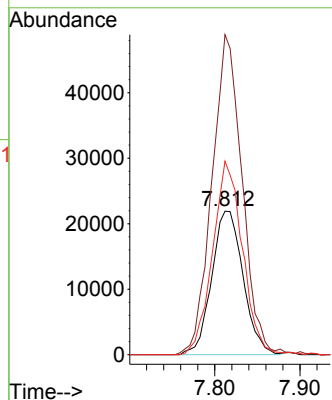
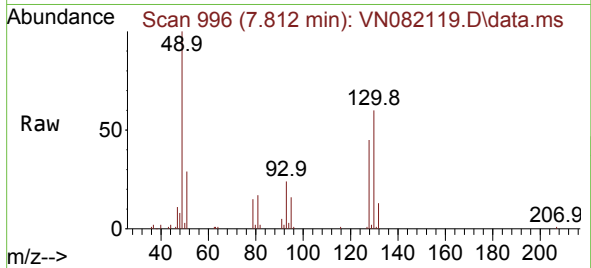




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082119.D
Acq: 14 May 2024 16:51

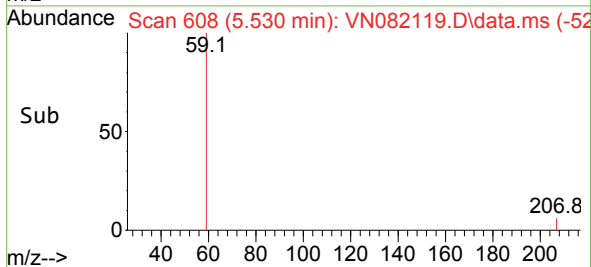
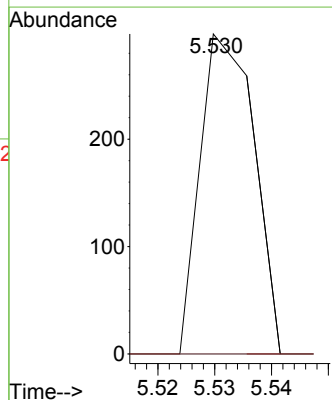
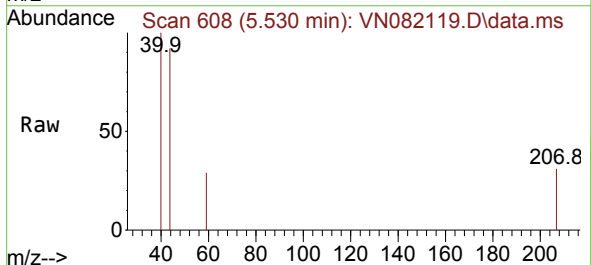
Instrument :
MSVOA_N
ClientSampleId :

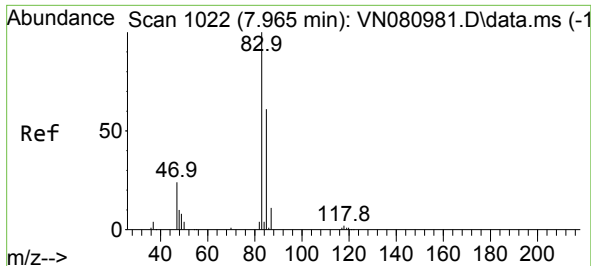
Tgt Ion:128 Resp: 56140
Ion Ratio Lower Upper
128 100
49 213.0 0.0 403.7
130 128.5 0.0 323.3



#23
tert-Butyl Alcohol
Concen: 0.244 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN082119.D
Acq: 14 May 2024 16:51

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 1.077 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN082119.D

Acq: 14 May 2024 16:51

Instrument :

MSVOA_N

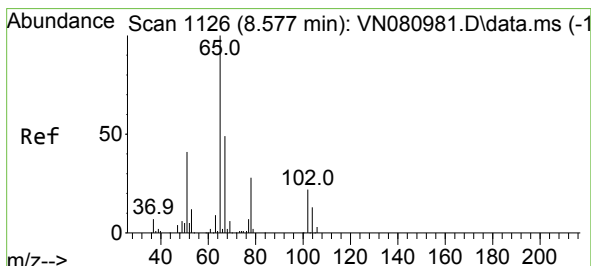
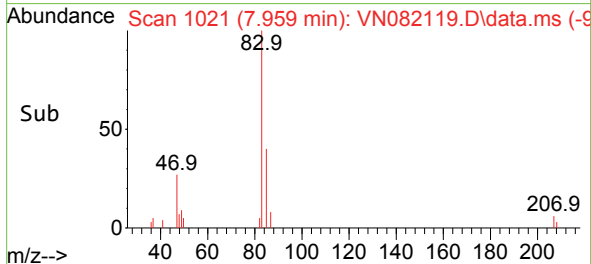
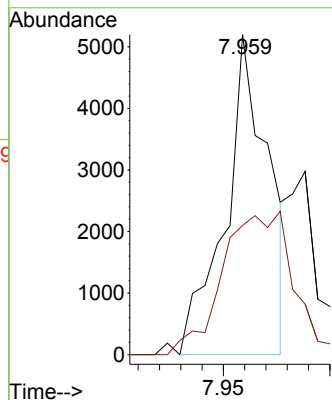
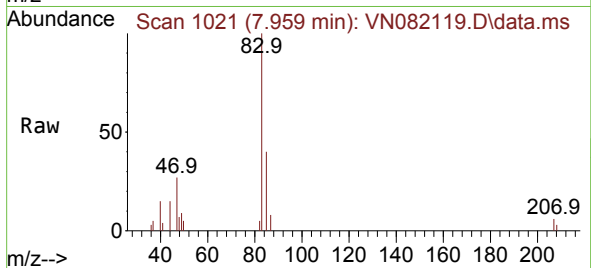
ClientSampleId :

Tgt Ion: 83 Resp: 7300

Ion Ratio Lower Upper

83 100

85 35.9 50.9 76.3#



#27

1,2-Dichloroethane-d4

Concen: 32.472 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082119.D

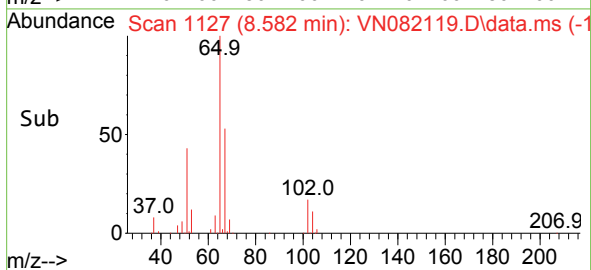
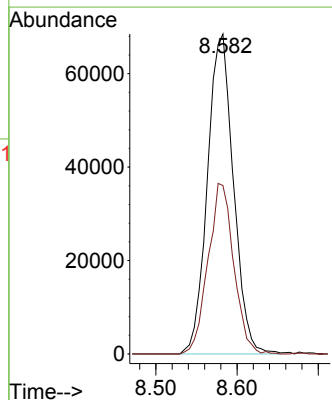
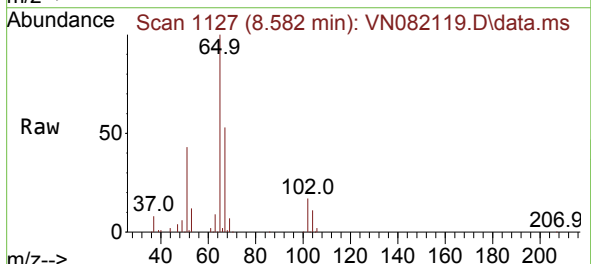
Acq: 14 May 2024 16:51

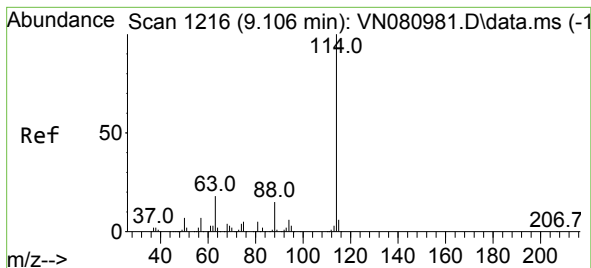
Tgt Ion: 65 Resp: 152628

Ion Ratio Lower Upper

65 100

67 52.4 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

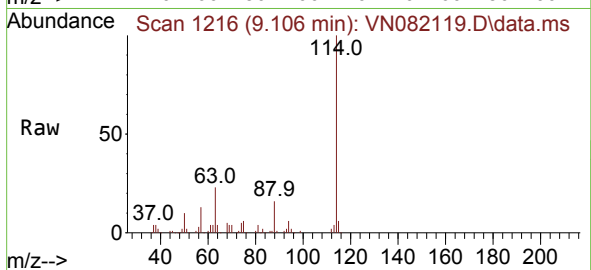
Lab File: VN082119.D

Acq: 14 May 2024 16:51

Instrument :

MSVOA_N

ClientSampleId :



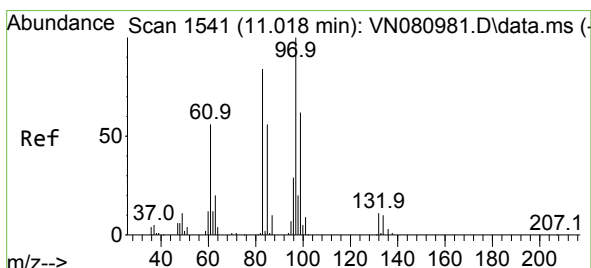
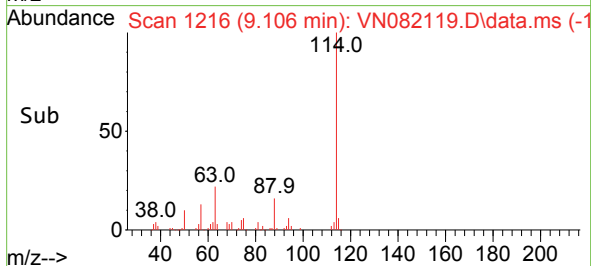
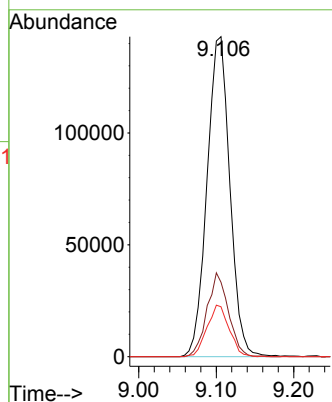
Tgt Ion:114 Resp: 293230

Ion Ratio Lower Upper

114 100

63 24.6 15.9 23.9#

88 15.6 12.7 19.1



#50

1,1,2-Trichloroethane

Concen: 4.174 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN082119.D

Acq: 14 May 2024 16:51

Tgt Ion: 97 Resp: 13000

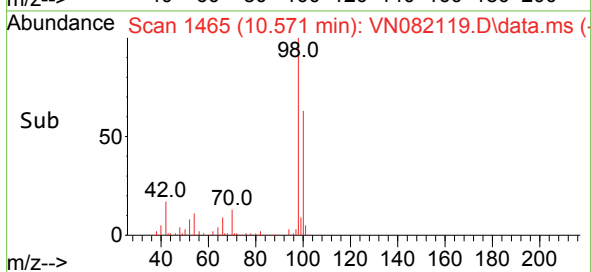
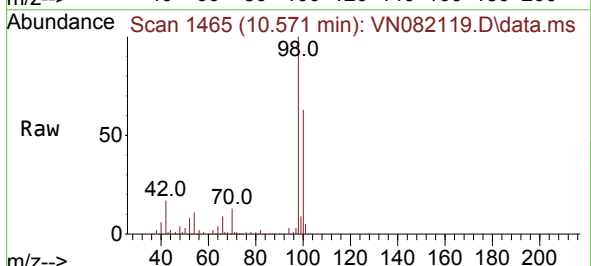
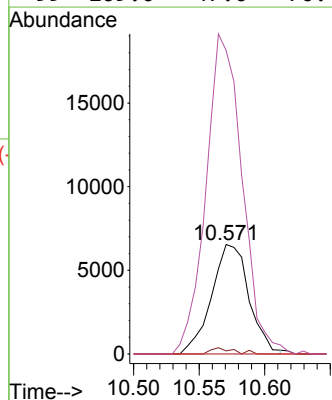
Ion Ratio Lower Upper

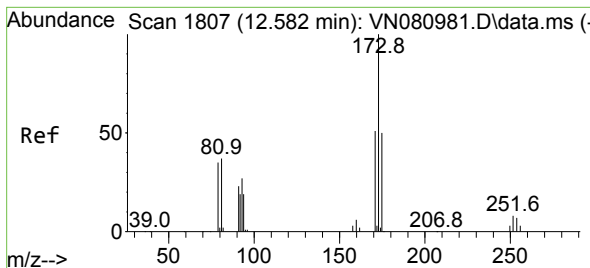
97 100

83 2.8 68.1 102.1#

85 0.0 41.8 62.6#

99 269.0 47.0 70.4#





#56

Bromoform

Concen: 0.599 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN082119.D

Acq: 14 May 2024 16:51

Instrument :

MSVOA_N

ClientSampleId :

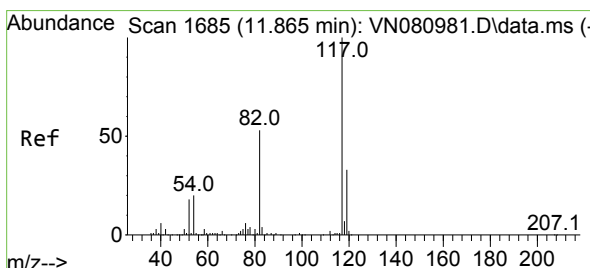
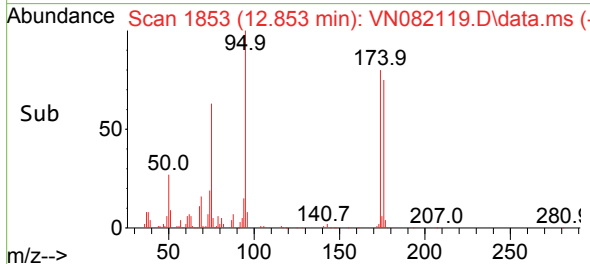
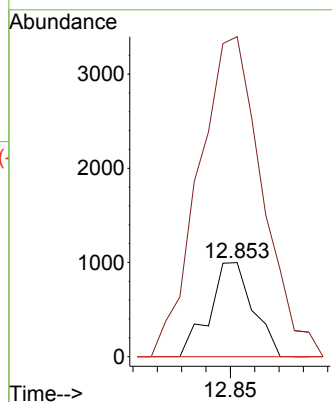
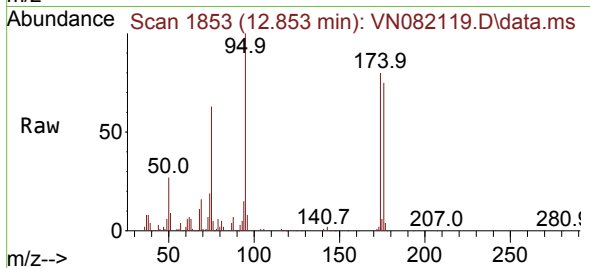
Tgt Ion:173 Resp: 1236

Ion Ratio Lower Upper

173 100

175 499.1 40.0 60.0#

254 0.0 8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN082119.D

Acq: 14 May 2024 16:51

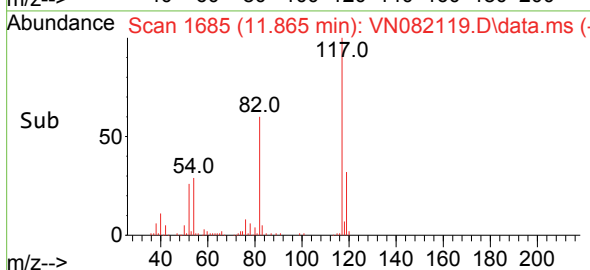
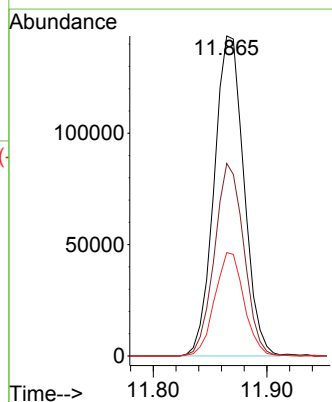
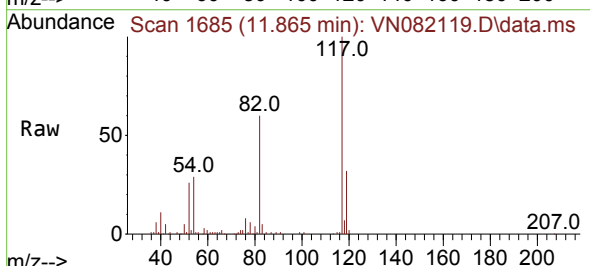
Tgt Ion:117 Resp: 261734

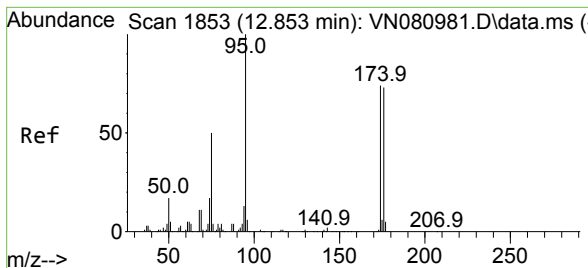
Ion Ratio Lower Upper

117 100

82 59.3 46.6 69.8

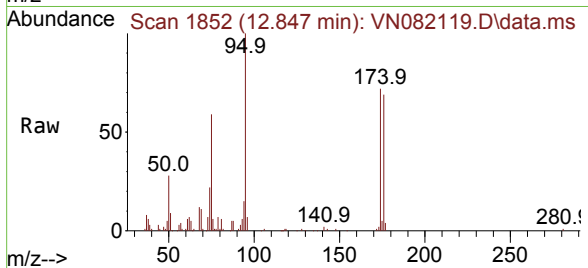
119 31.7 25.4 38.2



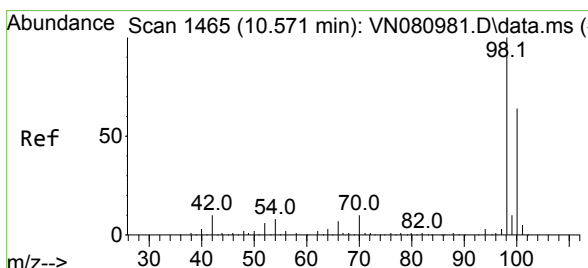
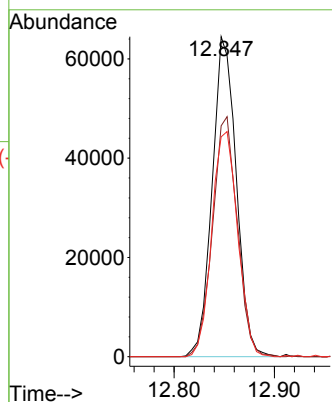
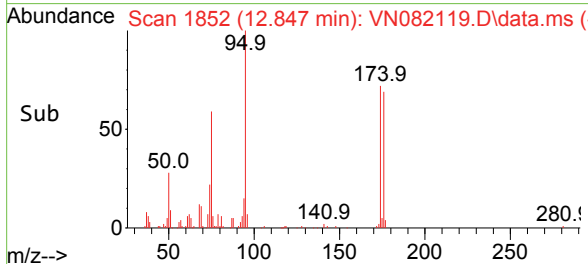


#60
4-Bromofluorobenzene
Concen: 24.721 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082119.D
Acq: 14 May 2024 16:51

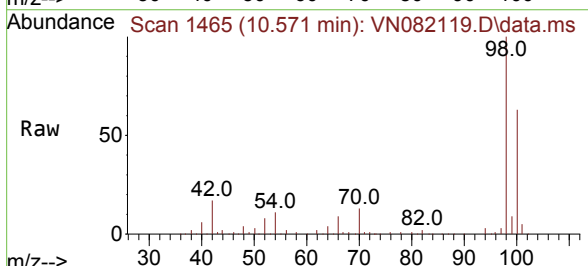
Instrument :
MSVOA_N
ClientSampleId :



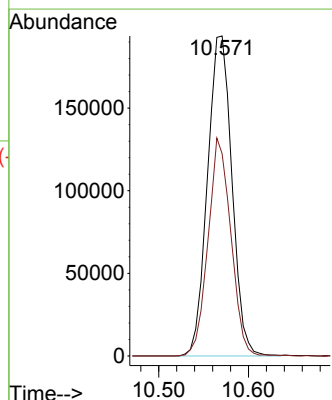
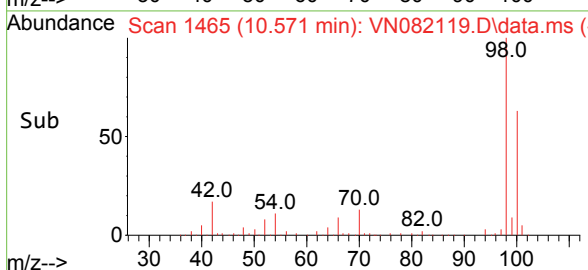
Tgt Ion: 95 Resp: 107682
Ion Ratio Lower Upper
95 100
174 77.0 60.5 90.7
176 75.6 57.8 86.6

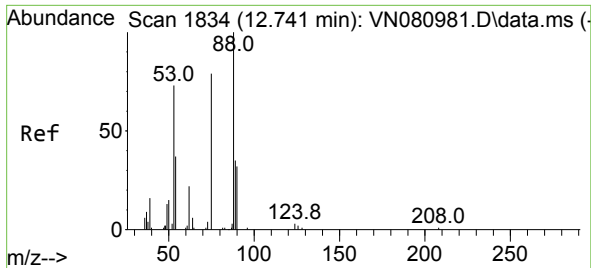


#63
Toluene-d8
Concen: 29.512 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082119.D
Acq: 14 May 2024 16:51



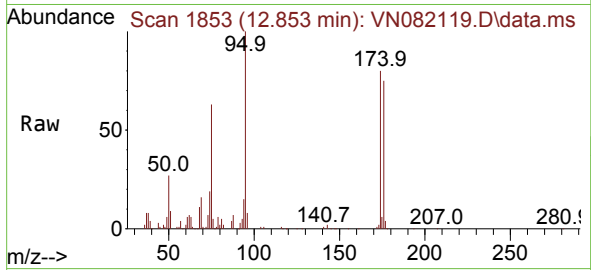
Tgt Ion: 98 Resp: 366835
Ion Ratio Lower Upper
98 100
100 63.5 52.7 79.1





#77
t-1,4-Dichloro-2-butene
Concen: 35.631 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082119.D
Acq: 14 May 2024 16:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 64199
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

