

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082124.D
 Acq On : 14 May 2024 18:51
 Operator : JC\MD
 Sample : P2400-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:50:59 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)

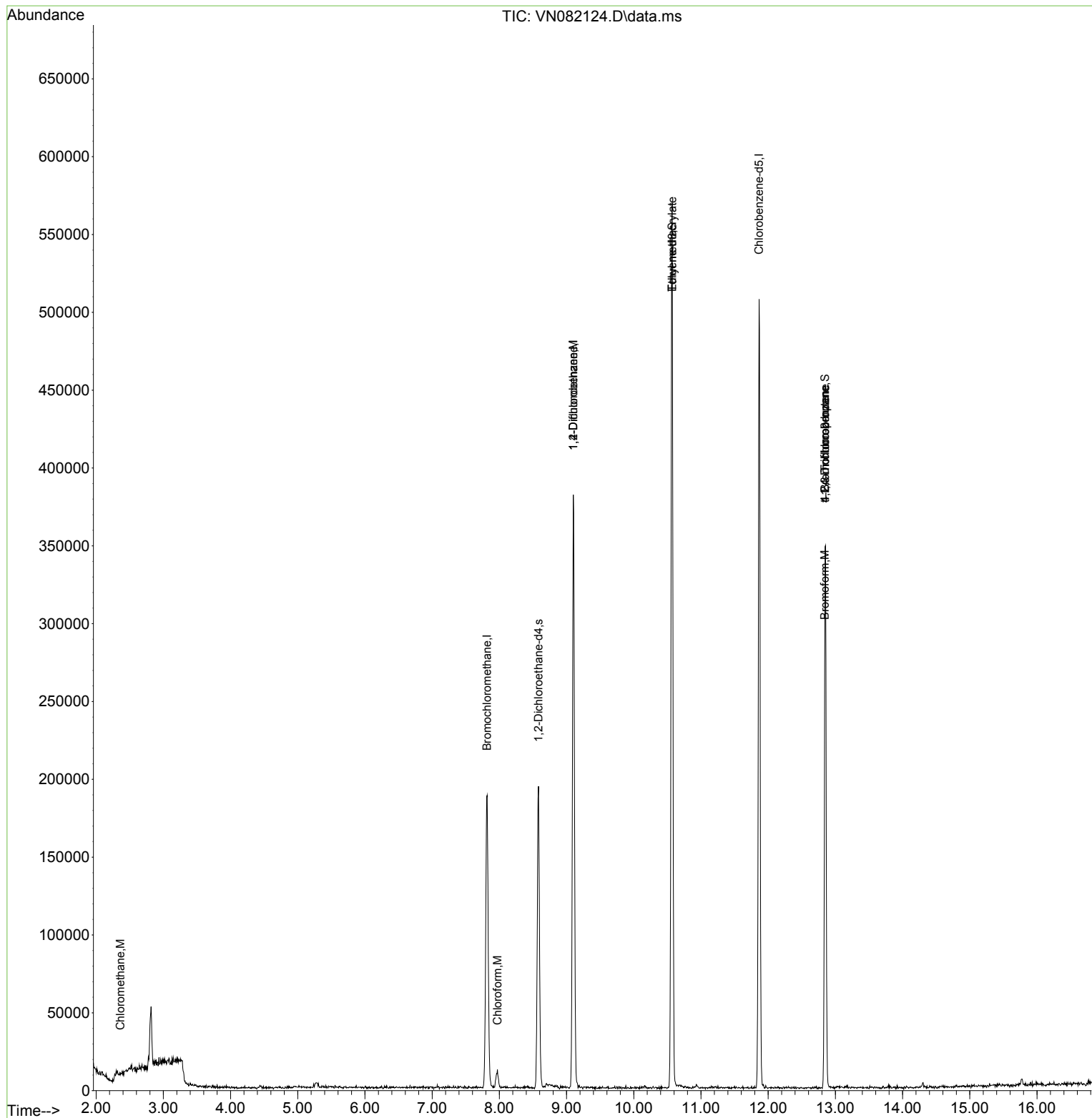
Internal Standards						
1) Bromochloromethane	7.818	128	58096	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	294264	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	268403	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	151718	31.192	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.967%	
60) 4-Bromofluorobenzene	12.847	95	111126	24.878	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 82.933%	
63) Toluene-d8	10.571	98	376736	29.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.533%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	862	0.225	ug/l	90
25) Chloroform	7.971	83	5278	0.752	ug/l	95
36) 1,2-Dichloroethane	9.100	62	12848	2.738	ug/l	# 72
51) Ethyl methacrylate	10.571	69	1471	0.249	ug/l	# 43
56) Bromoform	12.841	173	817	0.395	ug/l	# 1
72) 1,2,3-Trichloropropane	12.847	75	66616	18.344	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	66616	36.054	ug/l	# 12

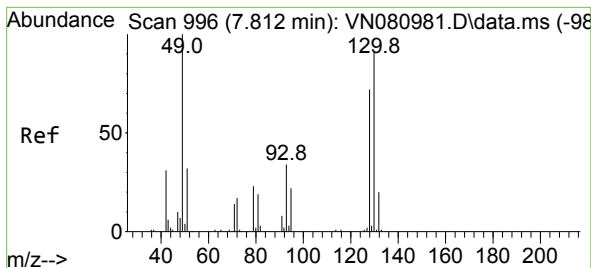
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

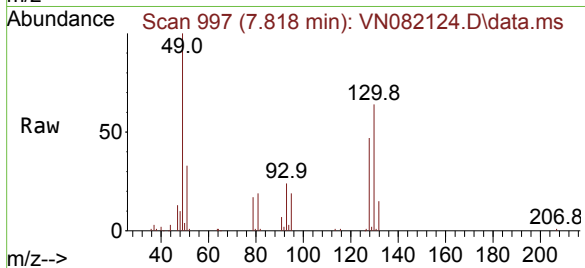
Lab File: VN082124.D

Acq: 14 May 2024 18:51

Instrument :

MSVOA_N

ClientSampleId :



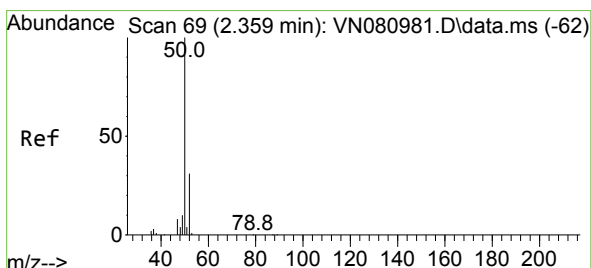
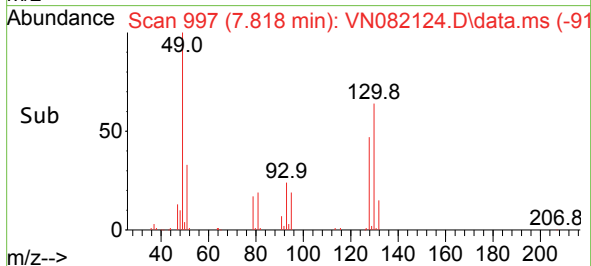
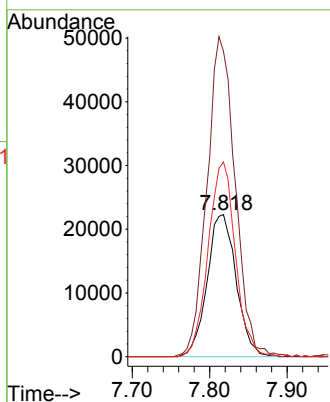
Tgt Ion:128 Resp: 58096

Ion Ratio Lower Upper

128 100

49 216.7 0.0 403.7

130 128.4 0.0 323.3



#3

Chloromethane

Concen: 0.225 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082124.D

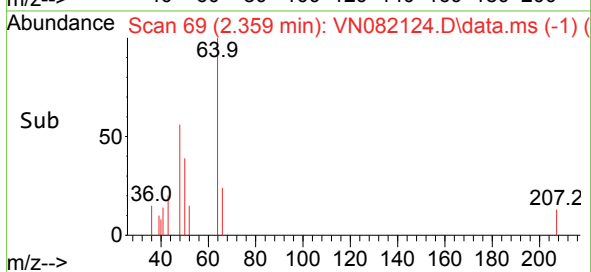
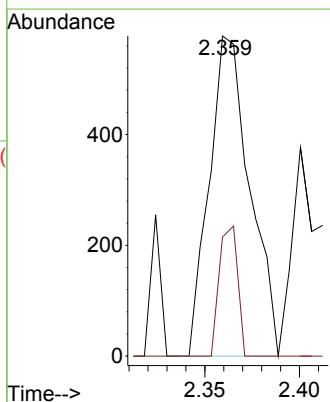
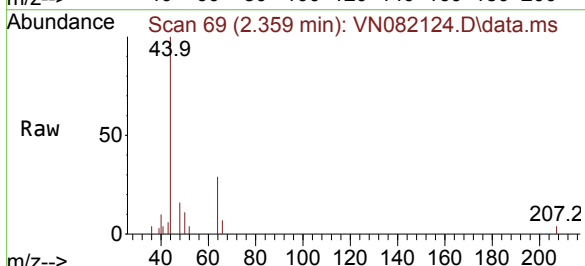
Acq: 14 May 2024 18:51

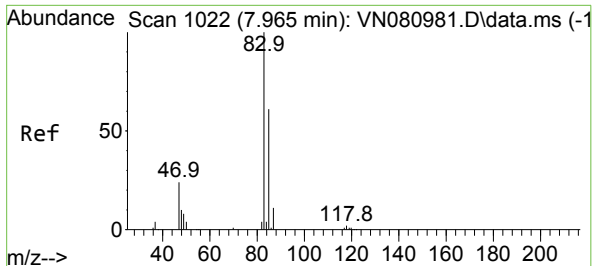
Tgt Ion: 50 Resp: 862

Ion Ratio Lower Upper

50 100

52 37.2 25.4 38.0





#25

Chloroform

Concen: 0.752 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN082124.D

Acq: 14 May 2024 18:51

Instrument :

MSVOA_N

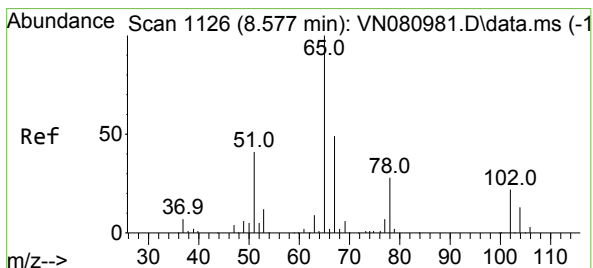
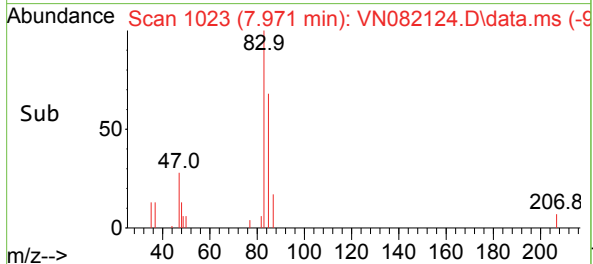
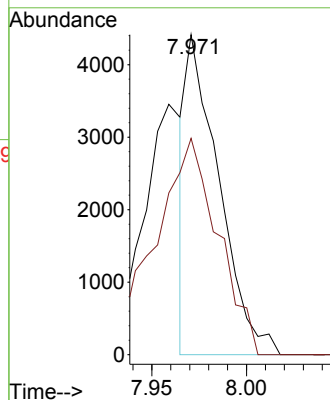
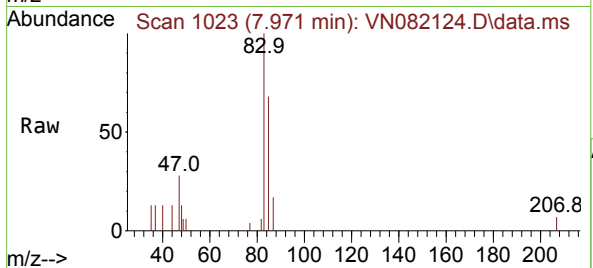
ClientSampleId :

Tgt Ion: 83 Resp: 5278

Ion Ratio Lower Upper

83 100

85 67.6 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 31.192 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082124.D

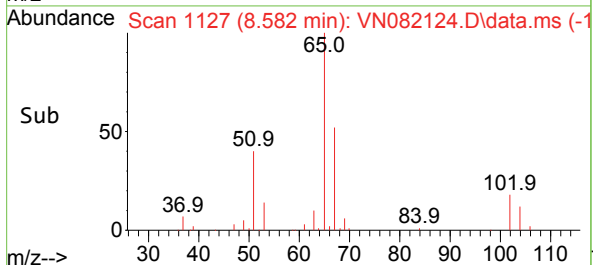
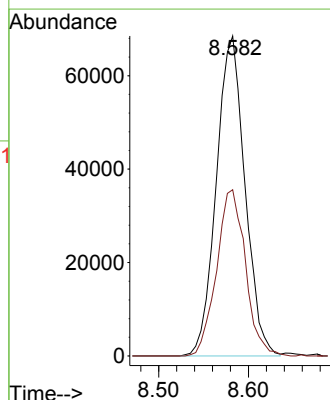
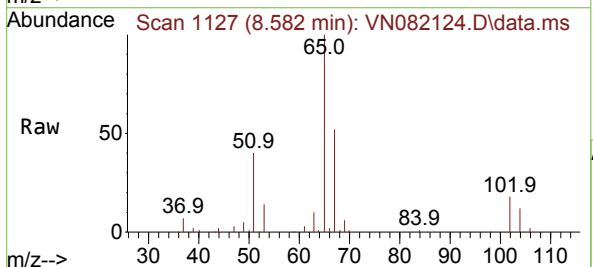
Acq: 14 May 2024 18:51

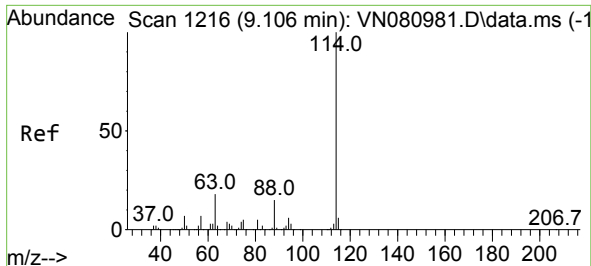
Tgt Ion: 65 Resp: 151718

Ion Ratio Lower Upper

65 100

67 52.3 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

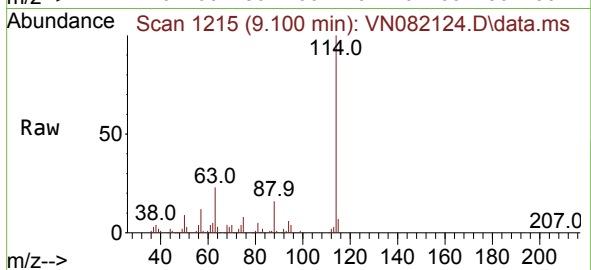
Lab File: VN082124.D

Acq: 14 May 2024 18:51

Instrument :

MSVOA_N

ClientSampleId :



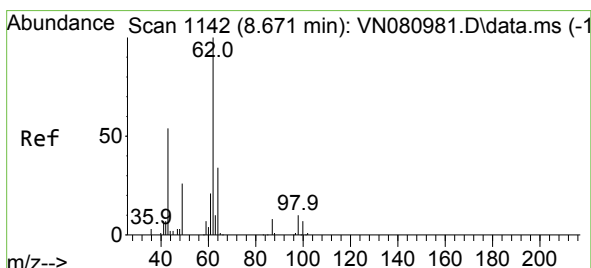
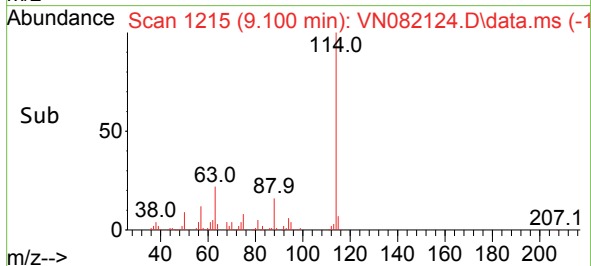
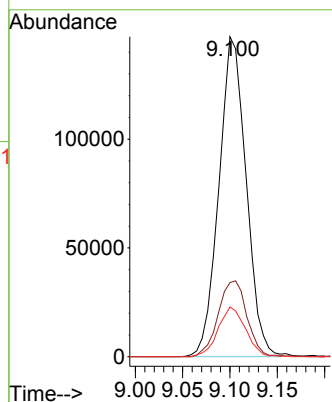
Tgt Ion:114 Resp: 294264

Ion Ratio Lower Upper

114 100

63 24.9 15.9 23.9#

88 15.7 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.738 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082124.D

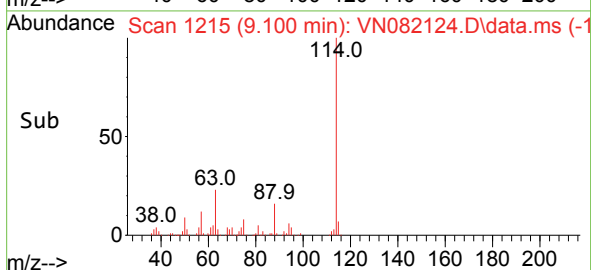
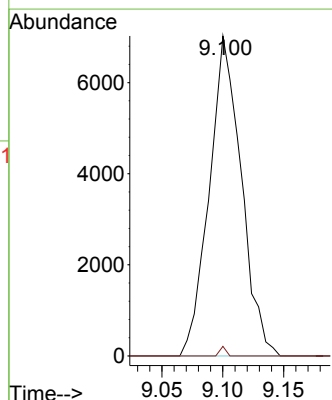
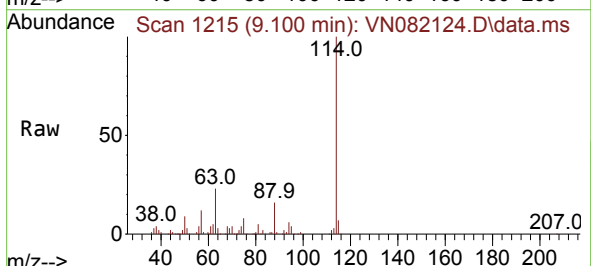
Acq: 14 May 2024 18:51

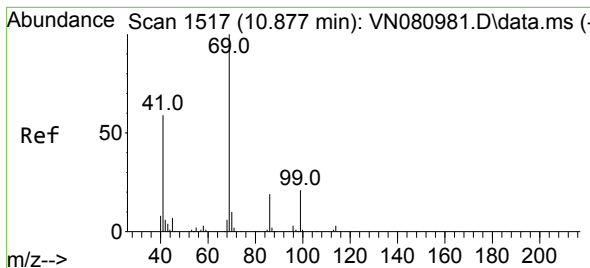
Tgt Ion: 62 Resp: 12848

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#51

Ethyl methacrylate

Concen: 0.249 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN082124.D

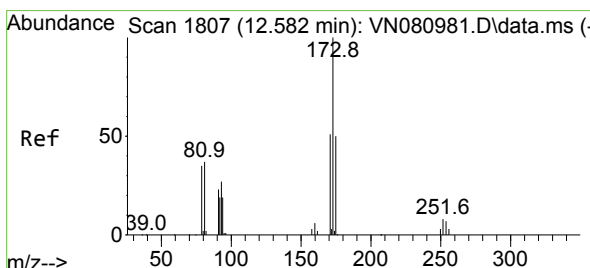
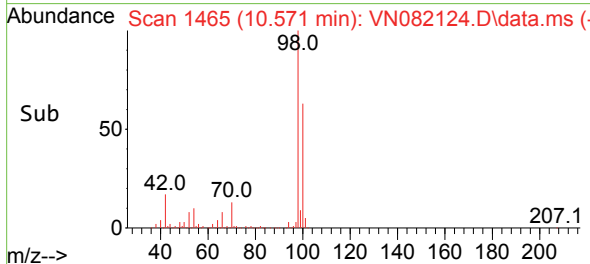
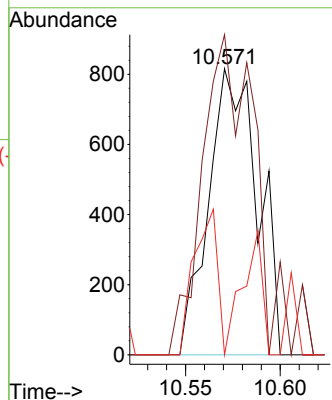
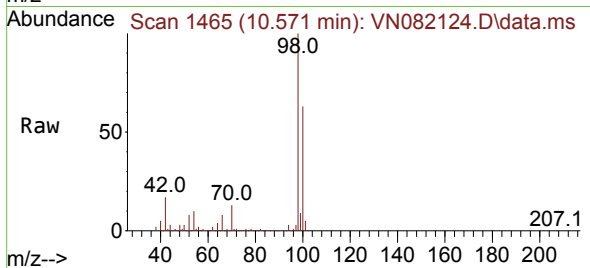
Acq: 14 May 2024 18:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 69	Resp: 1471
Ion Ratio	Lower Upper
69	100
41	90.9 25.5 76.5#
39	0.0 16.0 47.9#



#56

Bromoform

Concen: 0.395 ug/l

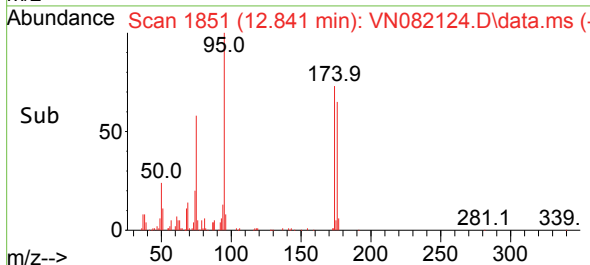
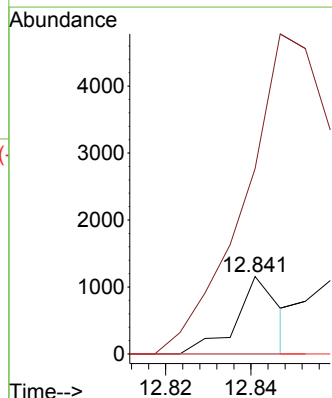
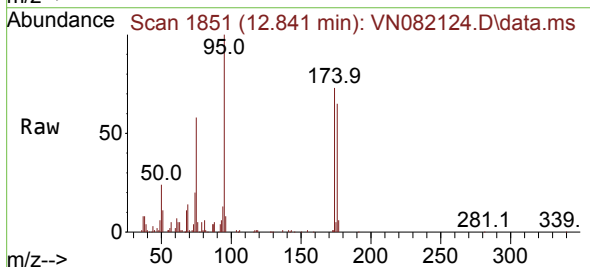
RT: 12.841 min Scan# 1851

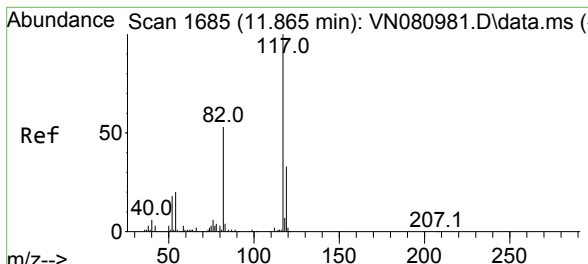
Delta R.T. 0.259 min

Lab File: VN082124.D

Acq: 14 May 2024 18:51

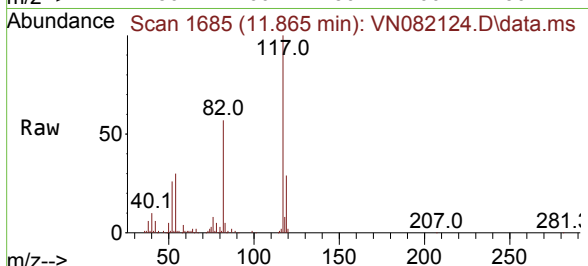
Tgt Ion: 173	Resp: 817
Ion Ratio	Lower Upper
173	100
175	966.2 40.0 60.0#
254	0.0 8.3 12.5#



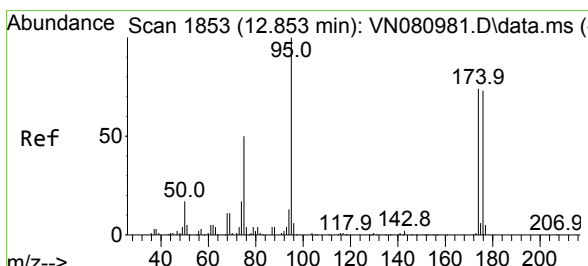
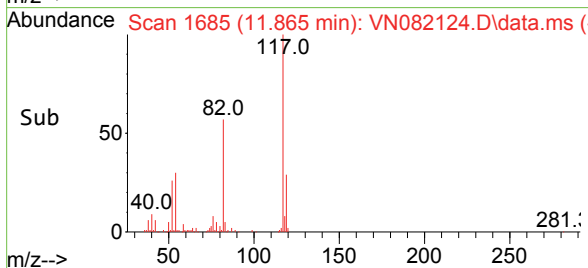
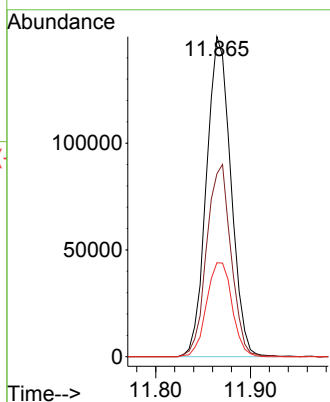


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082124.D
Acq: 14 May 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

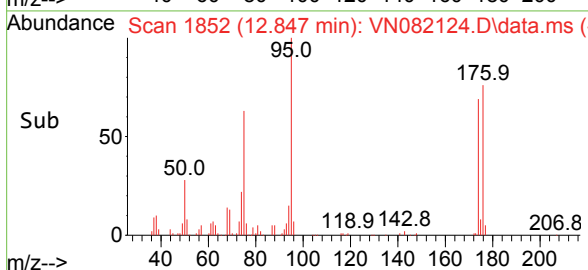
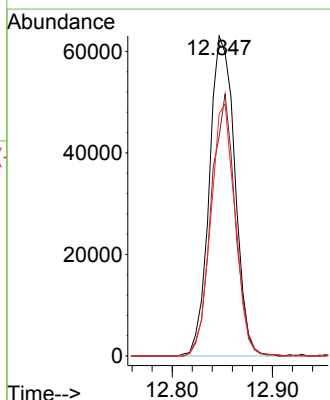
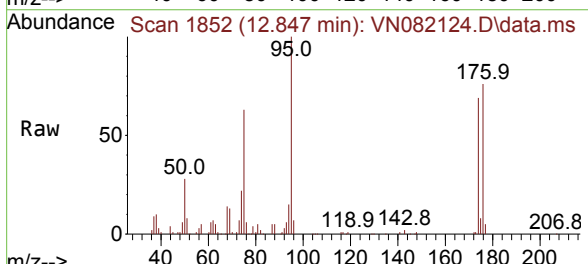


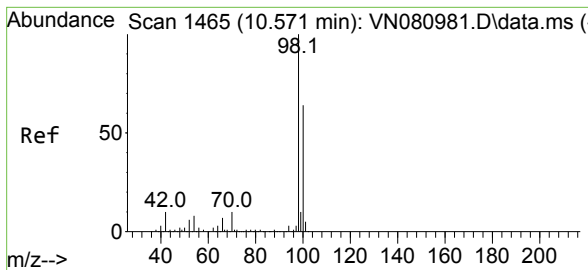
Tgt Ion:	117	Resp:	268403
Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.6	69.8
119	30.7	25.4	38.2



#60
4-Bromofluorobenzene
Concen: 24.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082124.D
Acq: 14 May 2024 18:51

Tgt Ion:	95	Resp:	111126
Ion	Ratio	Lower	Upper
95	100		
174	76.9	60.5	90.7
176	75.4	57.8	86.6

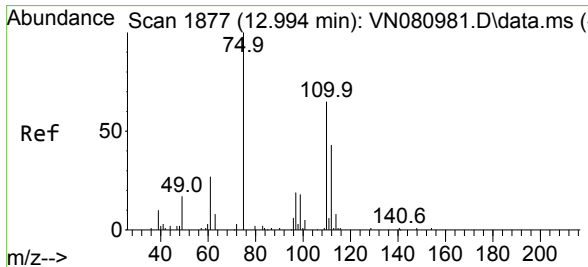
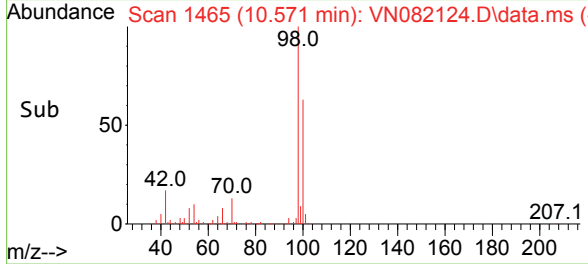
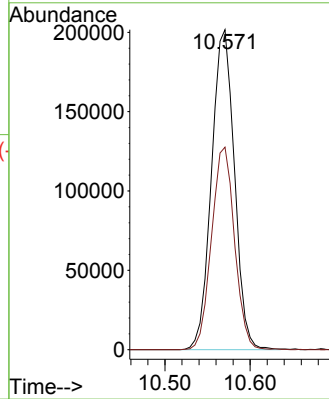
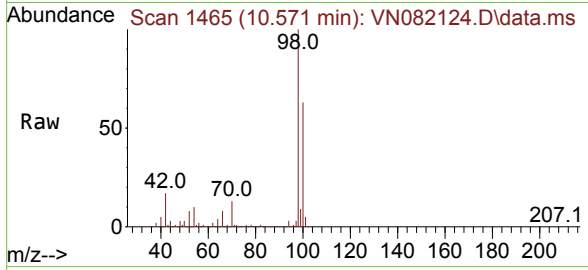




#63
Toluene-d8
Concen: 29.556 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082124.D
Acq: 14 May 2024 18:51

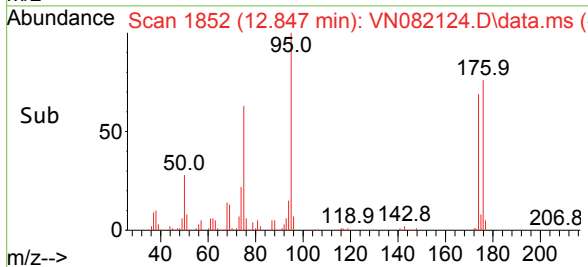
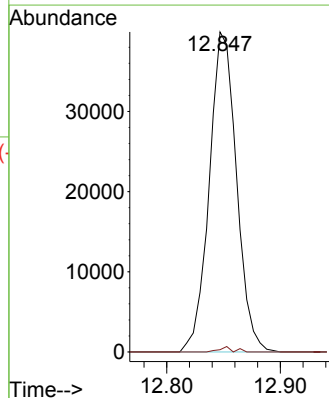
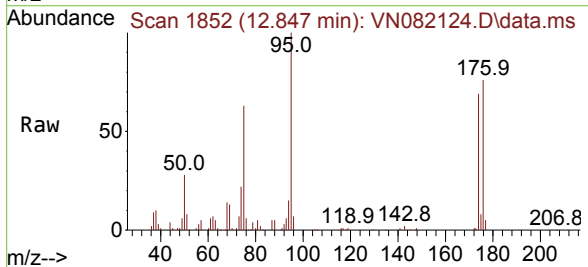
Instrument :
MSVOA_N
ClientSampleId :

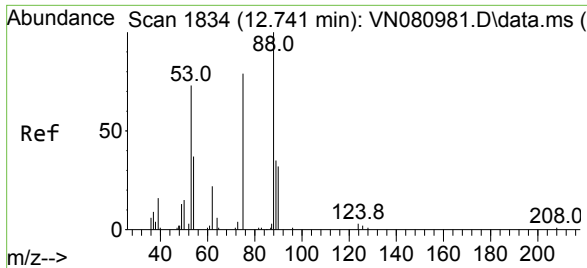
Tgt Ion: 98 Resp: 376736
Ion Ratio Lower Upper
98 100
100 63.5 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 18.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082124.D
Acq: 14 May 2024 18:51

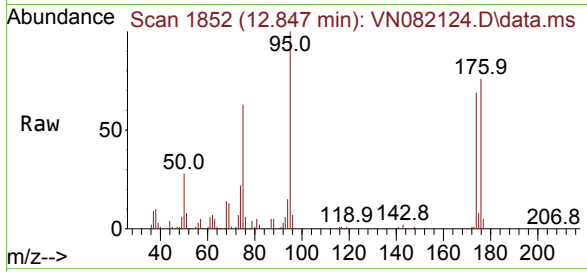
Tgt Ion: 75 Resp: 66616
Ion Ratio Lower Upper
75 100
77 0.6 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.054 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082124.D
Acq: 14 May 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 66616

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

