

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082123.D
 Acq On : 14 May 2024 18:27
 Operator : JC\MD
 Sample : P2400-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:50:39 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)

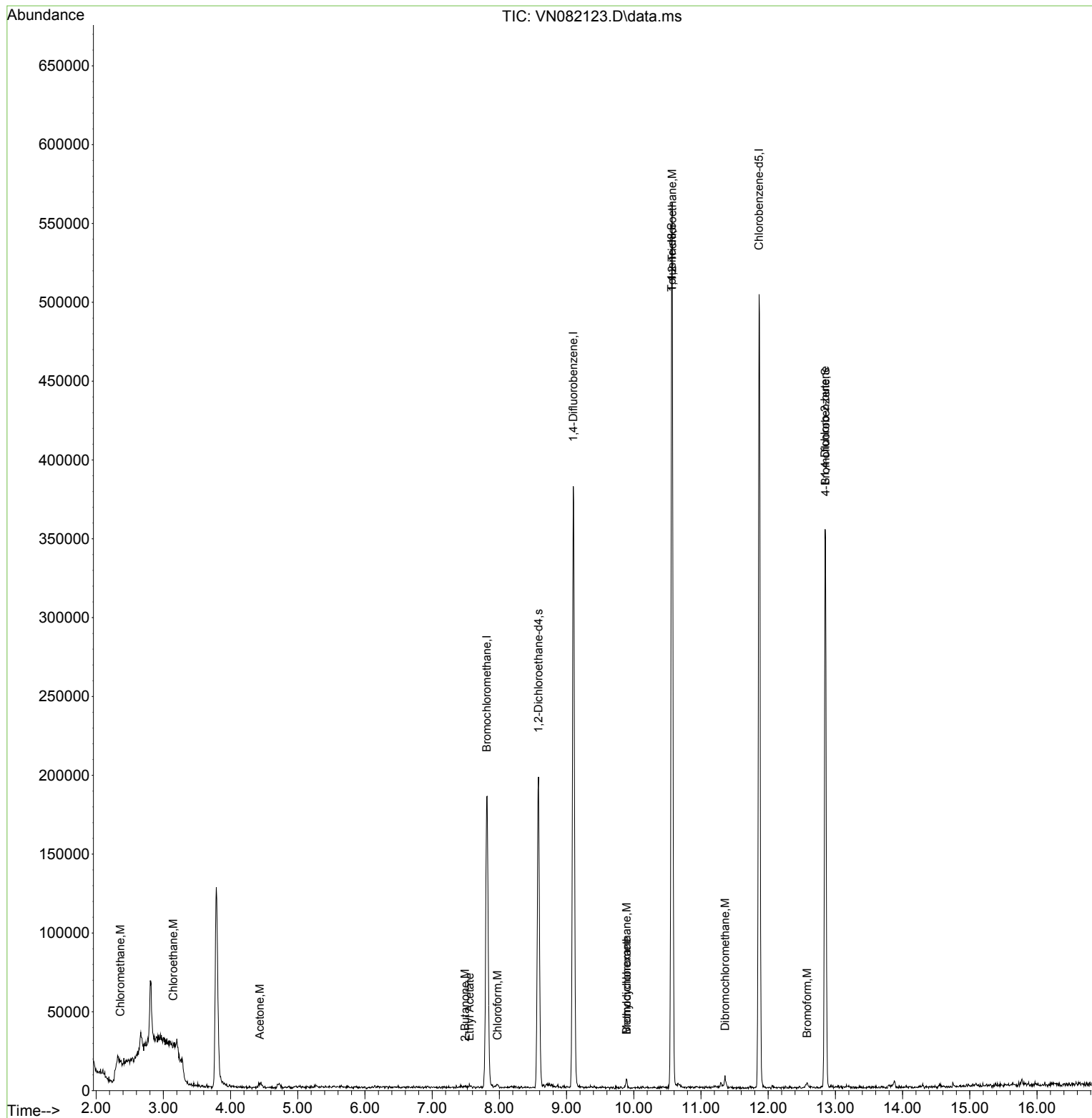
Internal Standards						
1) Bromochloromethane	7.812	128	56527	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	296335	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	259789	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	154728	32.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.967%	
60) 4-Bromofluorobenzene	12.853	95	110410	25.537	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 85.133%	
63) Toluene-d8	10.565	98	376324	30.503	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.667%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1081	0.290	ug/l	# 88
6) Chloroethane	3.148	64	1248	0.627	ug/l	# 41
15) Acetone	4.436	58	293	0.659	ug/l	# 1
25) Chloroform	7.971	83	1667	0.244	ug/l	95
30) 2-Butanone	7.489	43	1228	0.540	ug/l	# 77
38) Methylcyclohexane	9.894	83	2781	0.522	ug/l	# 19
41) Bromodichloromethane	9.894	83	2781	0.561	ug/l	97
43) Ethyl Acetate	7.559	43	1224	0.246	ug/l	# 67
50) 1,1,2-Trichloroethane	10.571	97	12630	4.013	ug/l	# 1
53) Dibromochloromethane	11.359	129	3550	1.037	ug/l	87
56) Bromoform	12.582	173	1250	0.600	ug/l	# 58
77) t-1,4-Dichloro-2-butene	12.847	75	64650	36.150	ug/l	# 12

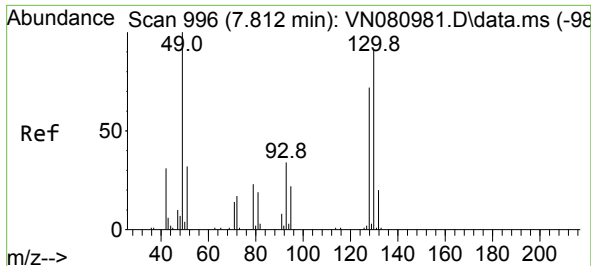
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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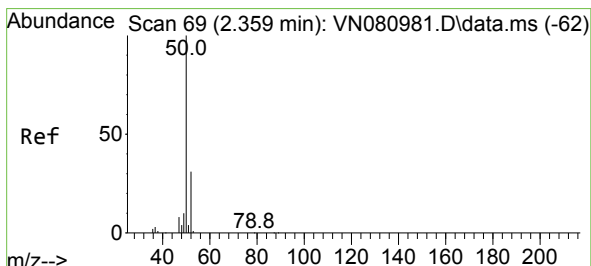
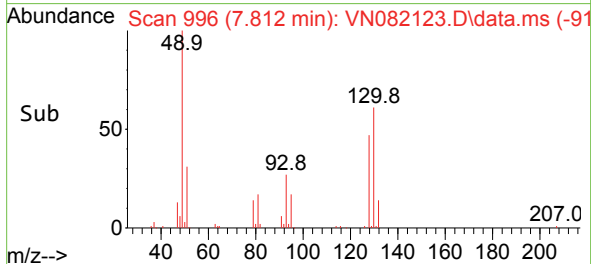
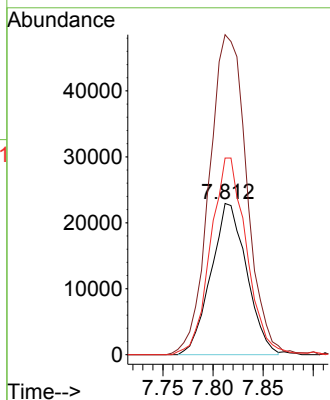
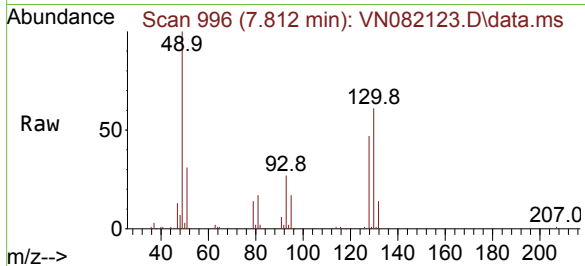




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

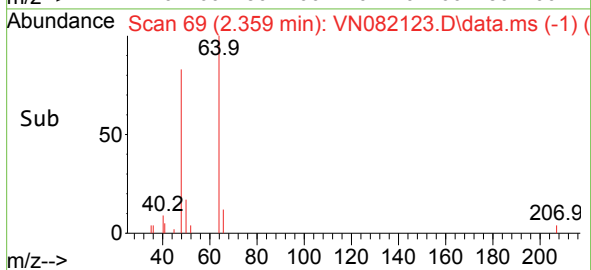
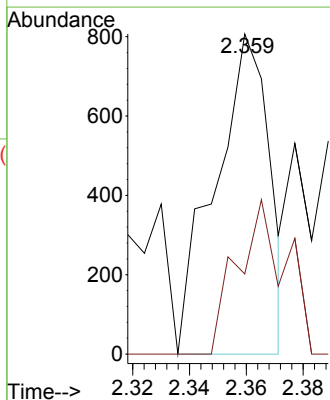
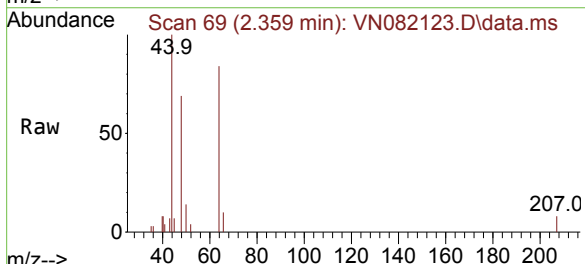
Instrument :
MSVOA_N
ClientSampleId :

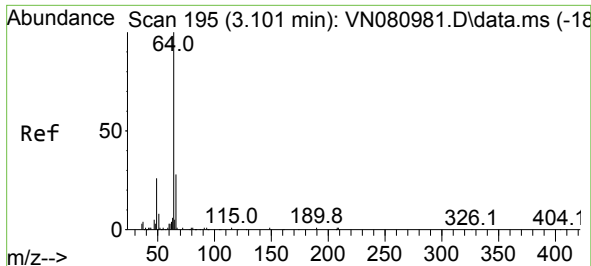
Tgt Ion:128 Resp: 56527
Ion Ratio Lower Upper
128 100
49 223.3 0.0 403.7
130 131.2 0.0 323.3



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

Tgt Ion: 50 Resp: 1081
Ion Ratio Lower Upper
50 100
52 25.0 25.4 38.0#

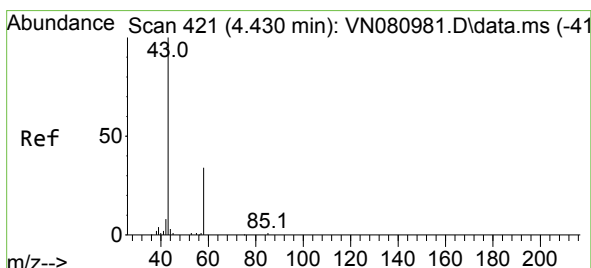
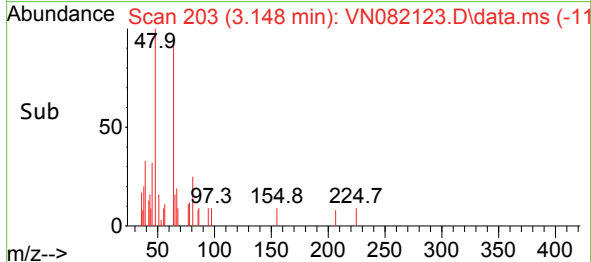
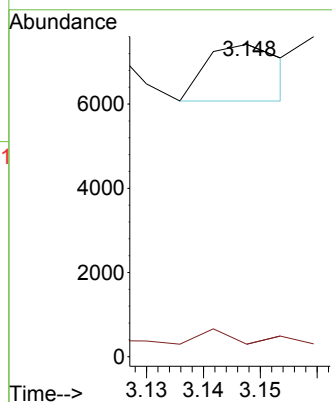
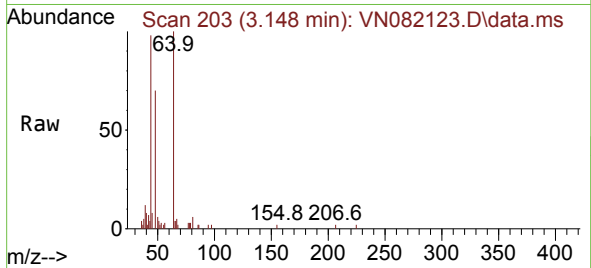




#6
Chloroethane
Concen: 0.627 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.047 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

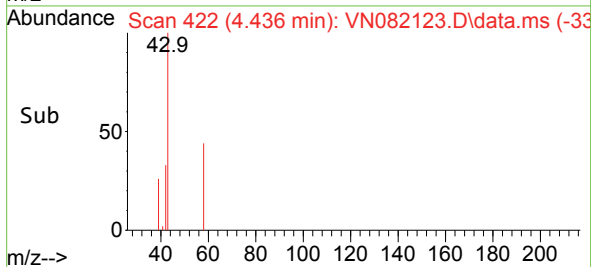
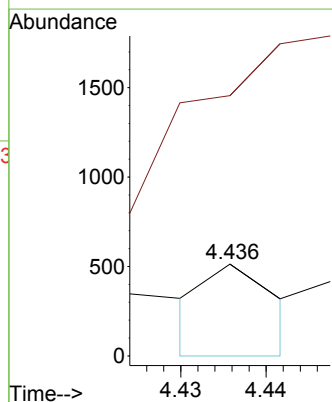
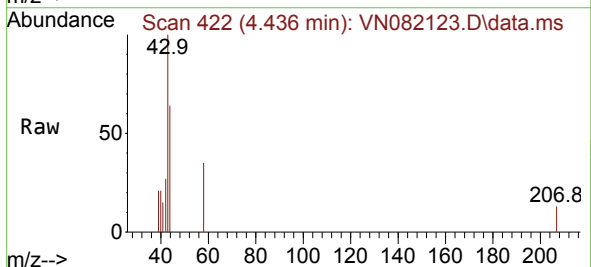
Instrument :
MSVOA_N
ClientSampleId :

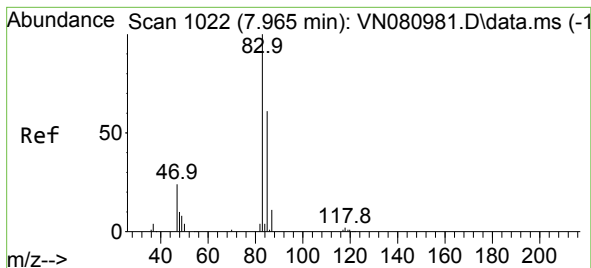
Tgt Ion: 64 Resp: 1248
Ion Ratio Lower Upper
64 100
66 0.1 26.7 40.1#



#15
Acetone
Concen: 0.659 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

Tgt Ion: 58 Resp: 293
Ion Ratio Lower Upper
58 100
43 20.6 223.1 334.7#





#25

Chloroform

Concen: 0.244 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

Instrument :

MSVOA_N

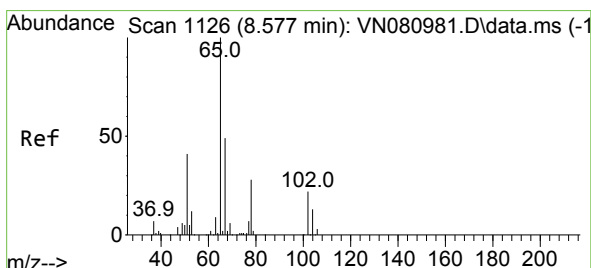
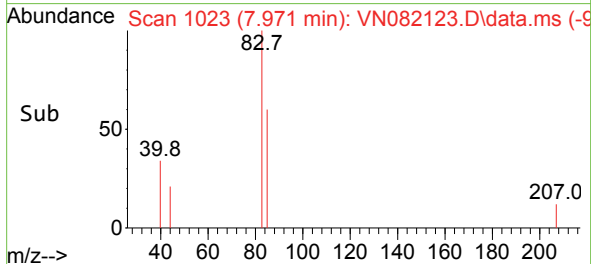
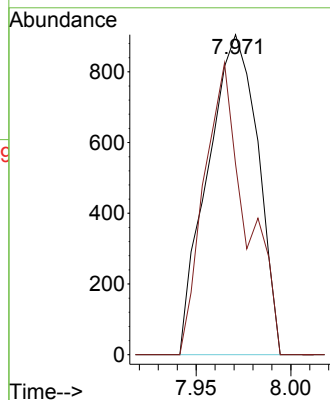
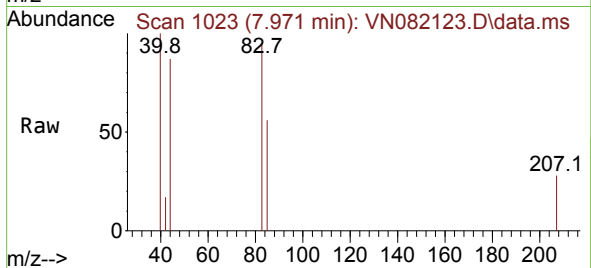
ClientSampleId :

Tgt Ion: 83 Resp: 1667

Ion Ratio Lower Upper

83 100

85 59.6 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 32.693 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082123.D

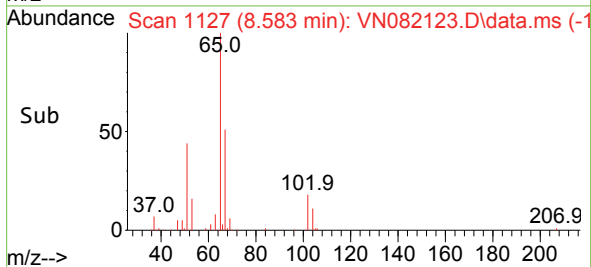
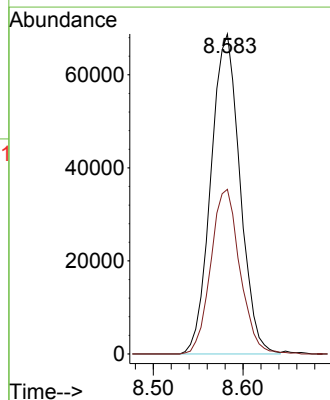
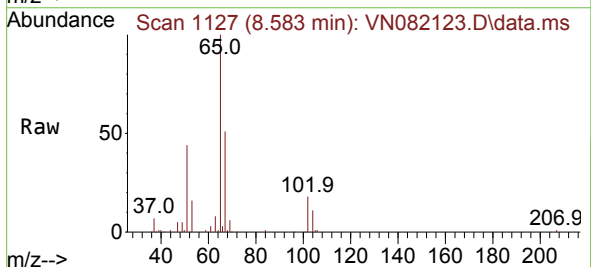
Acq: 14 May 2024 18:27

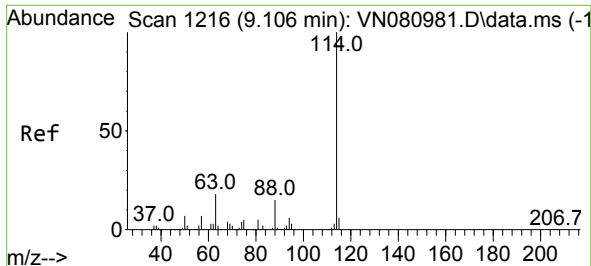
Tgt Ion: 65 Resp: 154728

Ion Ratio Lower Upper

65 100

67 51.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

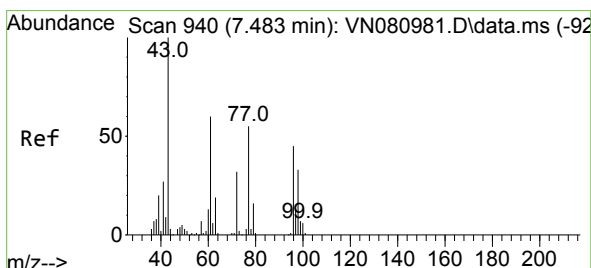
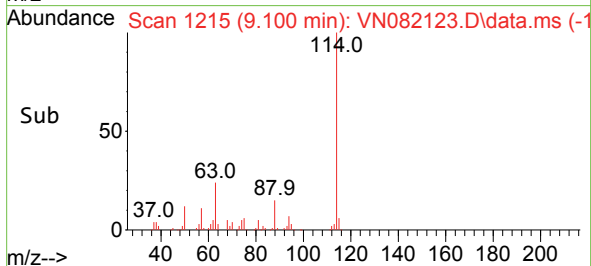
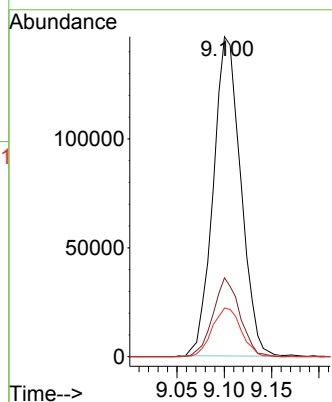
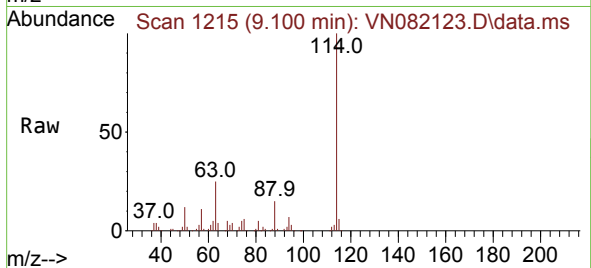
Tgt Ion:114 Resp: 296335

Ion Ratio Lower Upper

114 100

63 24.1 15.9 23.9#

88 16.0 12.7 19.1



#30

2-Butanone

Concen: 0.540 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

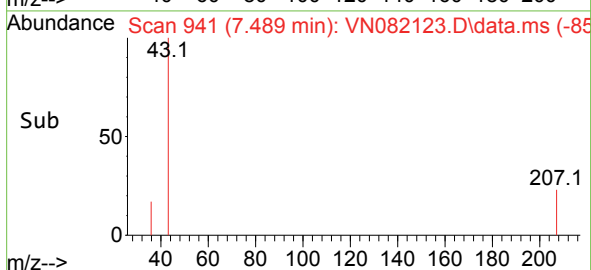
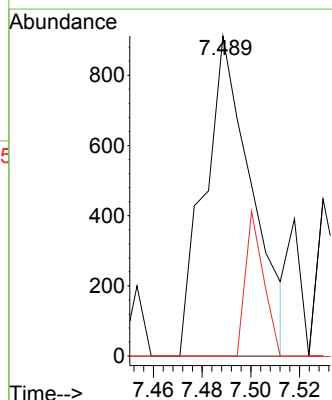
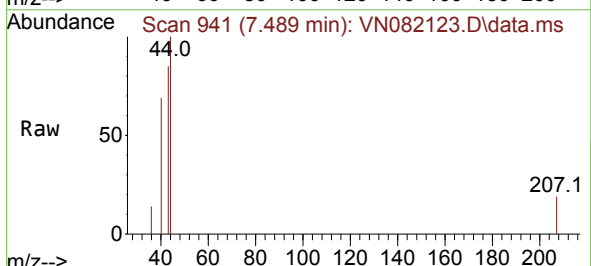
Tgt Ion: 43 Resp: 1228

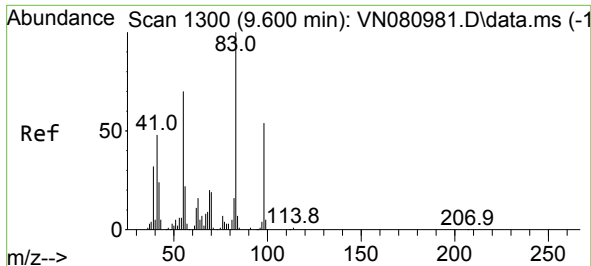
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 17.3 24.0 36.0#





#38

Methylcyclohexane

Concen: 0.522 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.294 min

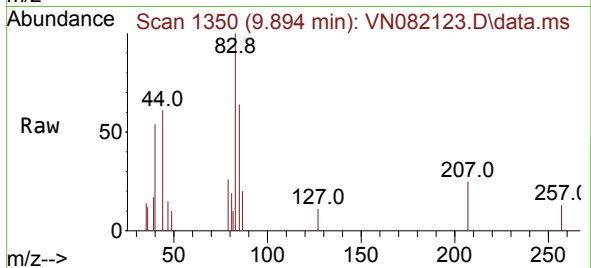
Lab File: VN082123.D

Acq: 14 May 2024 18:27

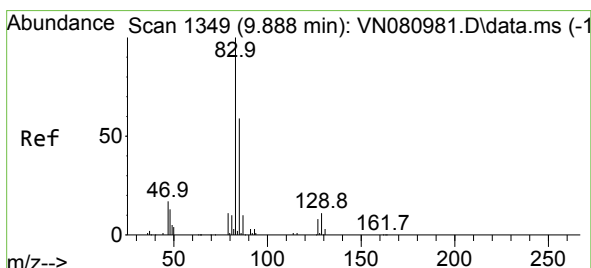
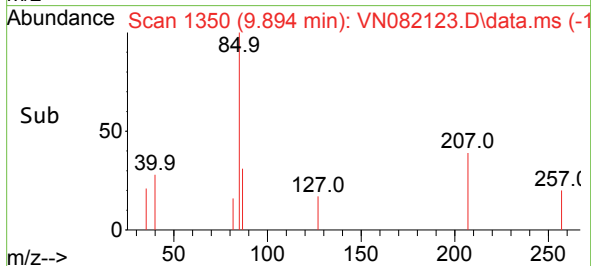
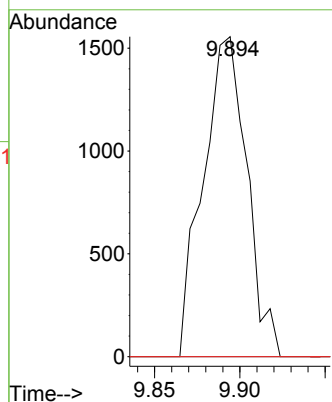
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	2781
Ion	Ratio	Lower	Upper
83	100		
55	0.0	36.6	109.9#
98	0.0	23.8	71.5#



#41

Bromodichloromethane

Concen: 0.561 ug/l

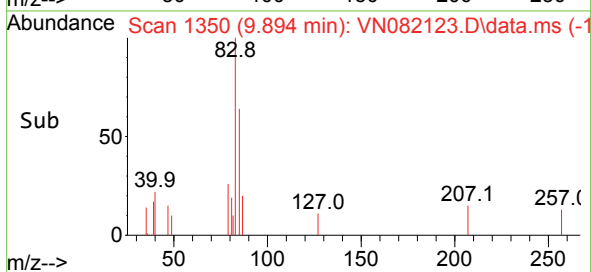
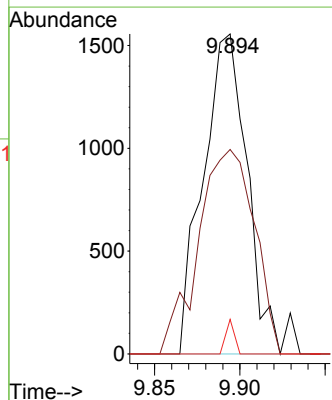
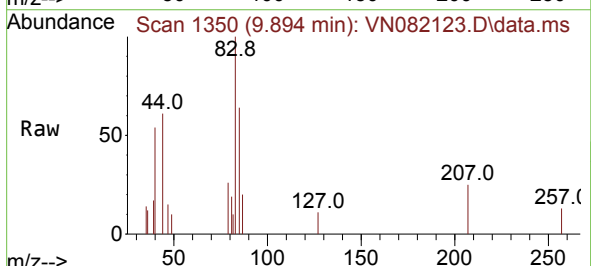
RT: 9.894 min Scan# 1350

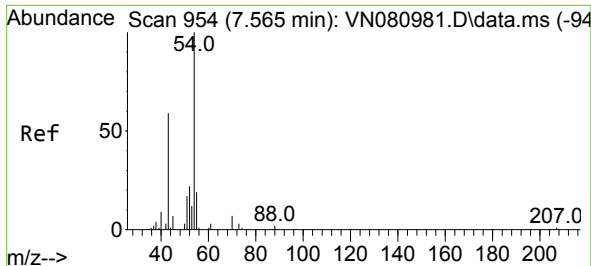
Delta R.T. 0.006 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

Tgt Ion:	83	Resp:	2781
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.4	74.2
127	10.8	7.3	10.9

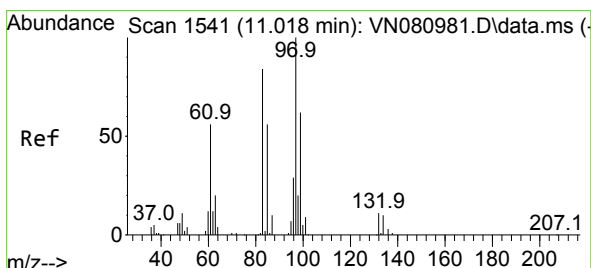
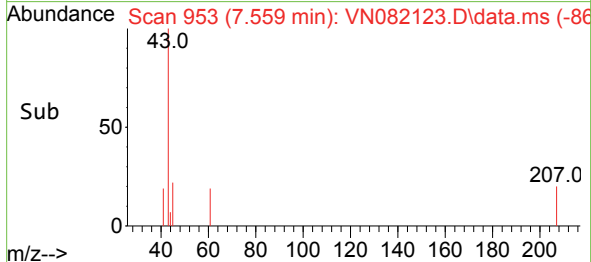
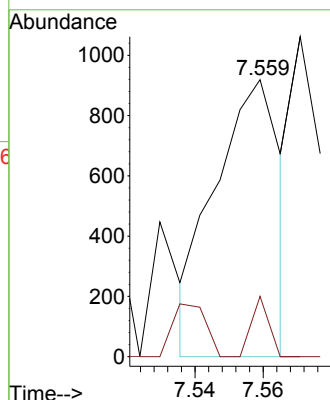
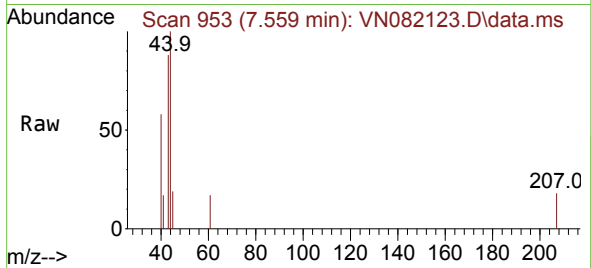




#43
Ethyl Acetate
Concen: 0.246 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

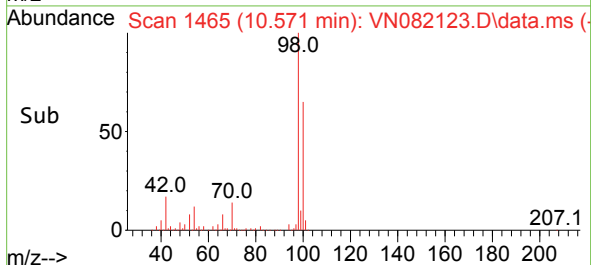
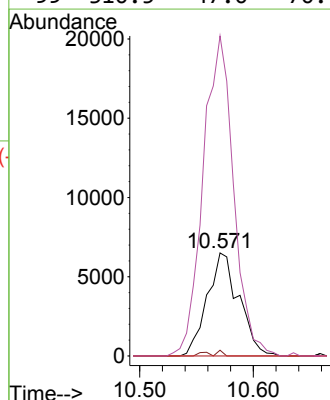
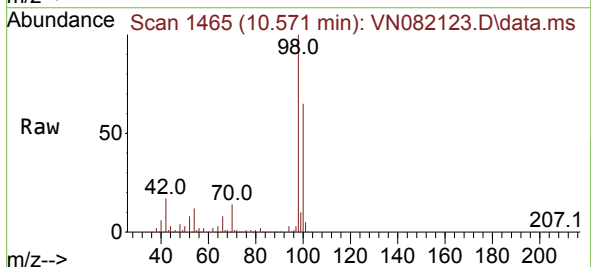
Instrument :
MSVOA_N
ClientSampleId :

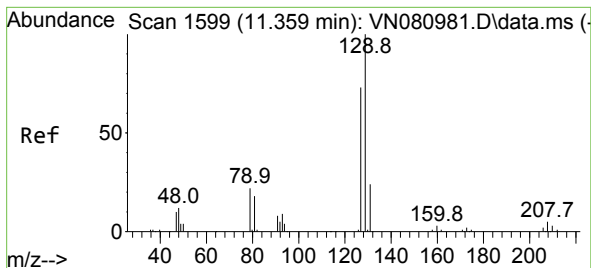
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
45 0.0 10.6 15.8#



#50
1,1,2-Trichloroethane
Concen: 4.013 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

Tgt Ion: 97 Resp: 12630
Ion Ratio Lower Upper
97 100
83 5.6 68.1 102.1#
85 0.0 41.8 62.6#
99 310.5 47.0 70.4#





#53

Dibromochloromethane

Concen: 1.037 ug/l

RT: 11.359 min Scan# 11

Delta R.T. 0.000 min

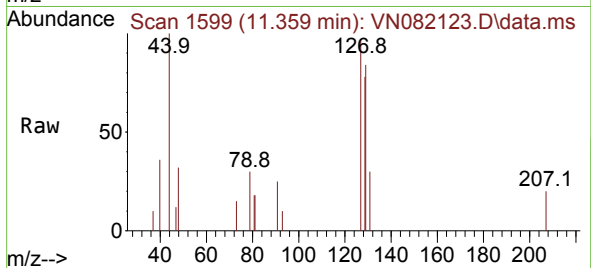
Lab File: VN082123.D

Acq: 14 May 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

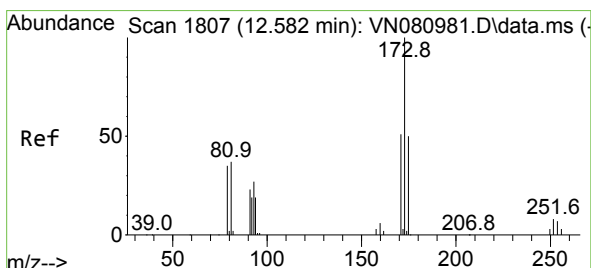
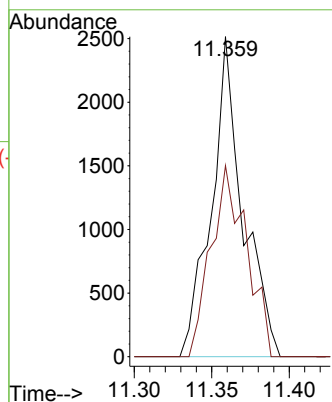
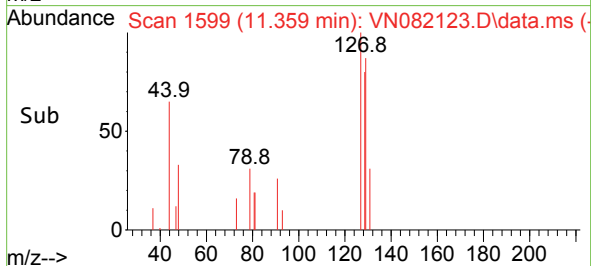


Tgt Ion:129 Resp: 3550

Ion Ratio Lower Upper

129 100

127 67.4 39.4 118.1



#56

Bromoform

Concen: 0.600 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

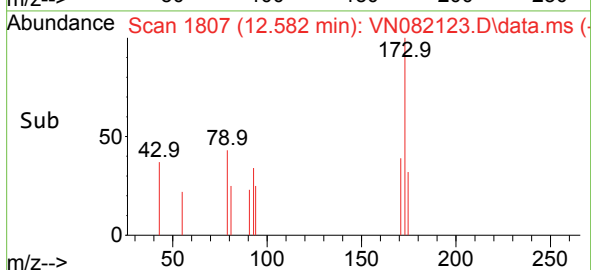
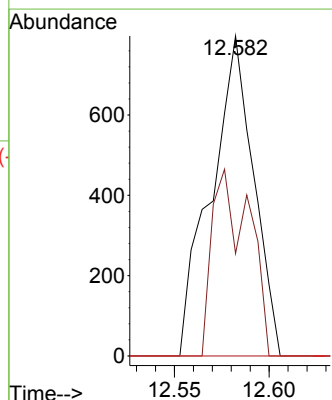
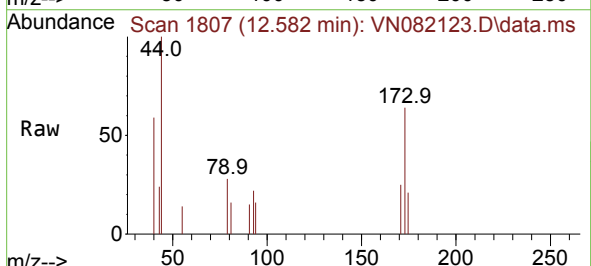
Tgt Ion:173 Resp: 1250

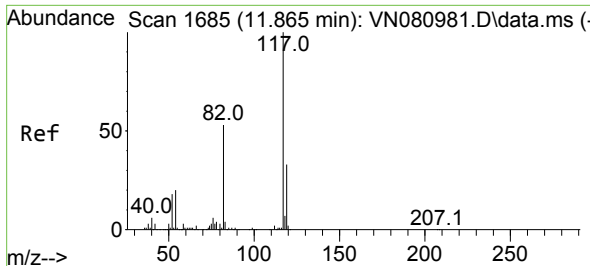
Ion Ratio Lower Upper

173 100

175 19.4 40.0 60.0#

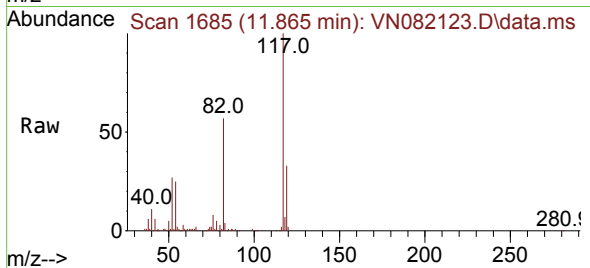
254 0.0 8.3 12.5#



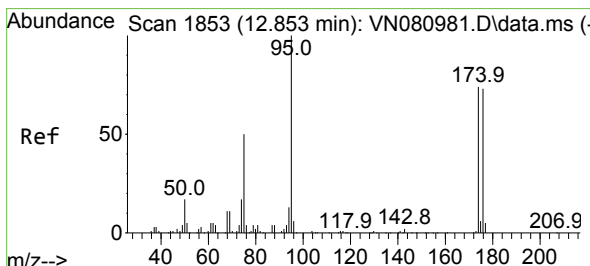
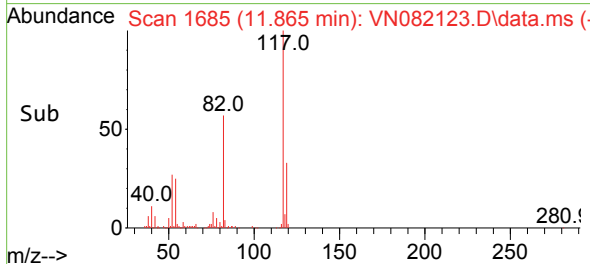
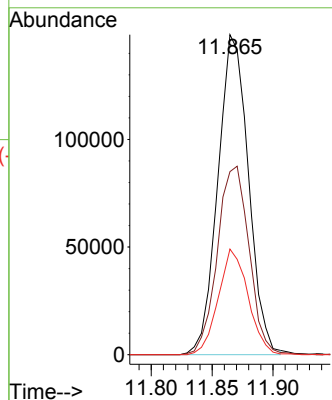


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

Instrument :
MSVOA_N
ClientSampleId :

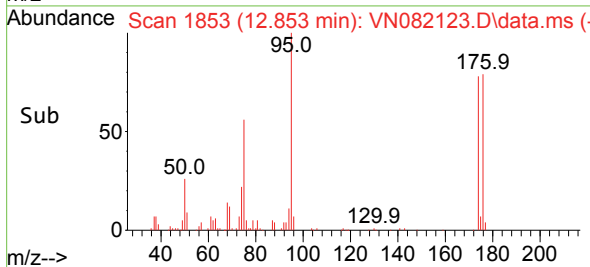
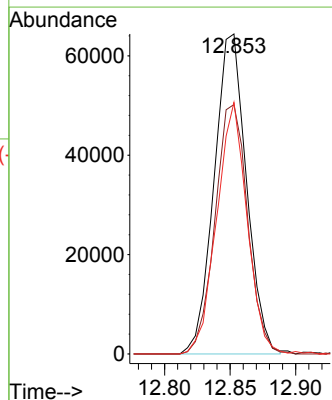
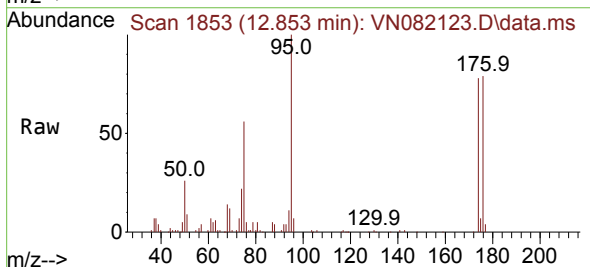


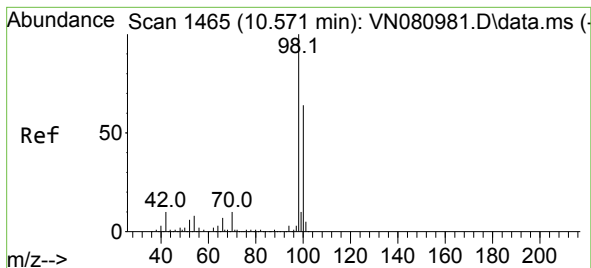
Tgt Ion:117 Resp: 259789
Ion Ratio Lower Upper
117 100
82 61.3 46.6 69.8
119 32.1 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.537 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN082123.D
Acq: 14 May 2024 18:27

Tgt Ion: 95 Resp: 110410
Ion Ratio Lower Upper
95 100
174 78.5 60.5 90.7
176 73.6 57.8 86.6





#63

Toluene-d8

Concen: 30.503 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

Instrument :

MSVOA_N

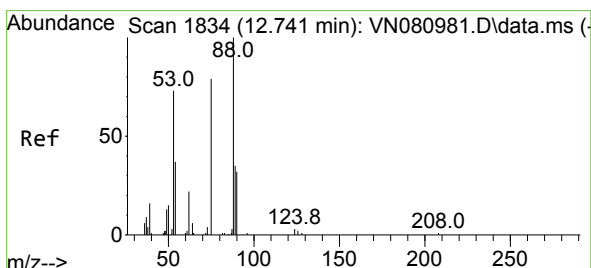
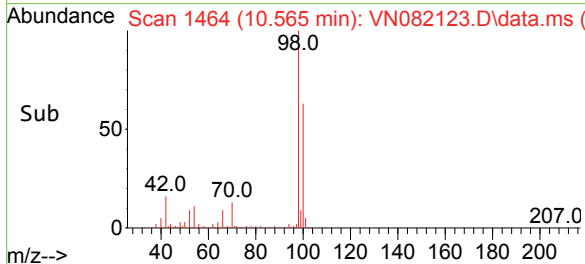
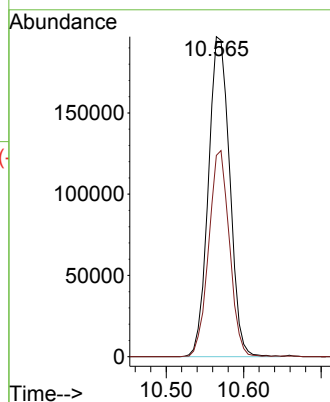
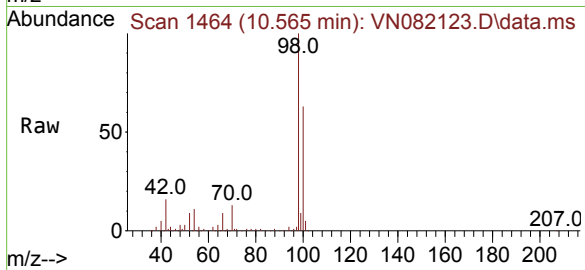
ClientSampleId :

Tgt Ion: 98 Resp: 376324

Ion Ratio Lower Upper

98 100

100 62.5 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 36.150 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082123.D

Acq: 14 May 2024 18:27

Tgt Ion: 75 Resp: 64650

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

