

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080703.D
 Acq On : 12 Jan 2024 20:29
 Operator : JC\MD
 Sample : P1111-09
 Misc : 2.79g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:20:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

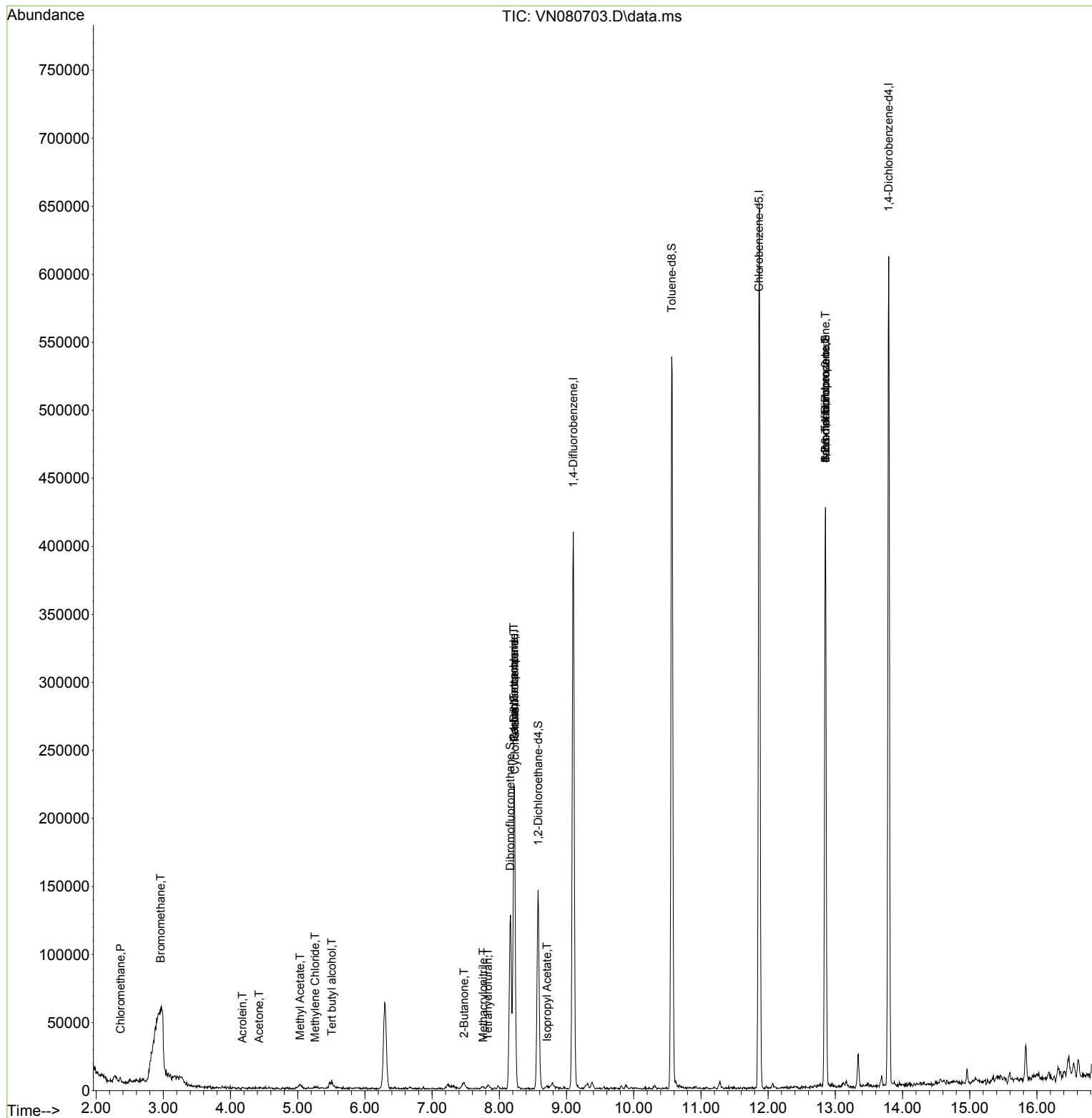
Internal Standards						
1) Pentafluorobenzene	8.224	168	147887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111128	42.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.580%
35) Dibromofluoromethane	8.165	113	89329	46.574	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.140%
50) Toluene-d8	10.565	98	372067	50.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.853	95	156343	55.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3743	0.741	ug/l #	73
5) Bromomethane	2.960	94	269	0.325	ug/l #	4
6) Chloroethane	3.148	64	68	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	2711	6.172	ug/l #	72
13) Acrolein	4.177	56	393	1.071	ug/l #	5
16) Acetone	4.424	43	486	0.570	ug/l #	40
18) Methyl Acetate	5.036	43	8045	3.169	ug/l #	59
20) Methylene Chloride	5.259	84	782	0.314	ug/l #	74
25) 2-Butanone	7.477	43	991	0.643	ug/l #	71
29) Tetrahydrofuran	7.830	42	548	0.528	ug/l #	34
31) Cyclohexane	8.230	56	5585	1.392	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15212	3.872	ug/l #	45
38) Carbon Tetrachloride	8.218	117	17009	4.822	ug/l #	16
41) Methacrylonitrile	7.759	41	1227	0.555	ug/l #	33
43) Isopropyl Acetate	8.712	43	2128	0.304	ug/l #	49
71) Bromoform	12.853	173	931	0.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82175	18.472	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82175	43.546	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.512	75	55	Below Cal	#	4

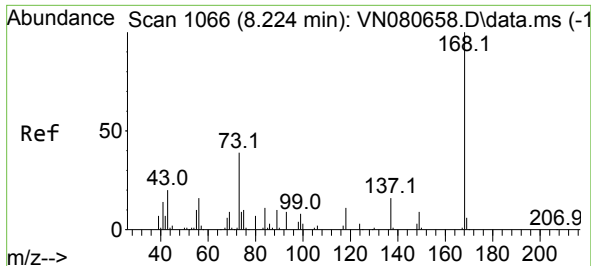
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 22:20:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration

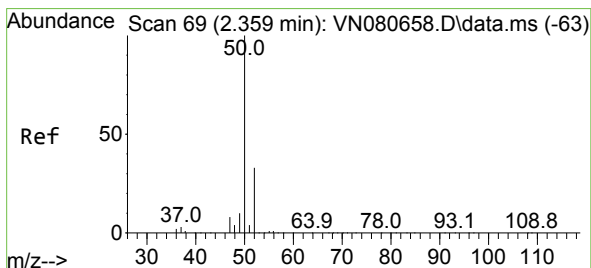
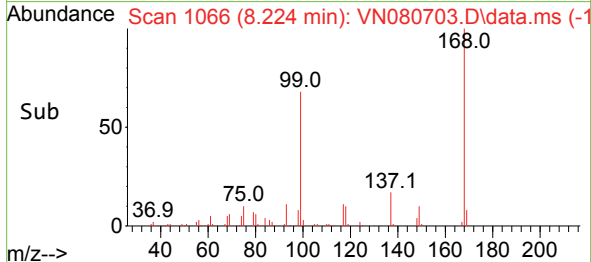
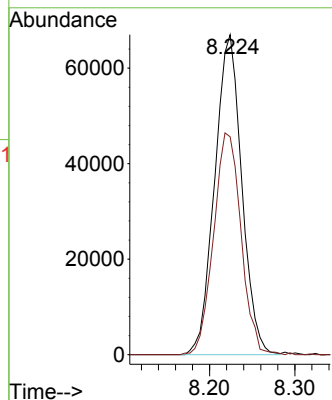
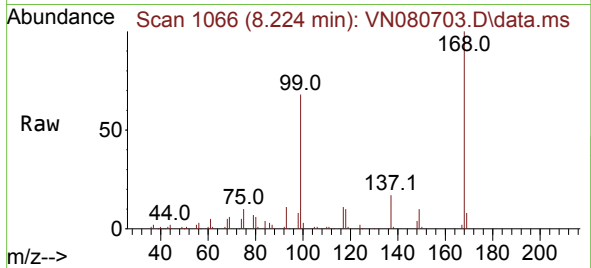




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

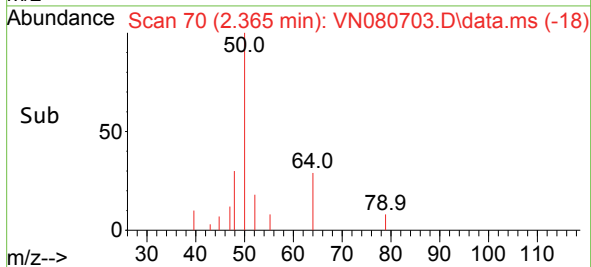
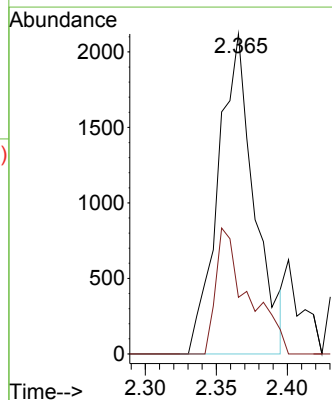
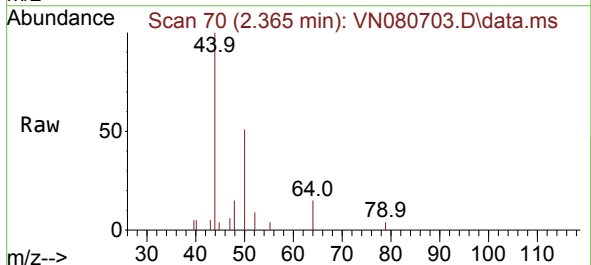
Instrument :
MSVOA_N
ClientSampleId :

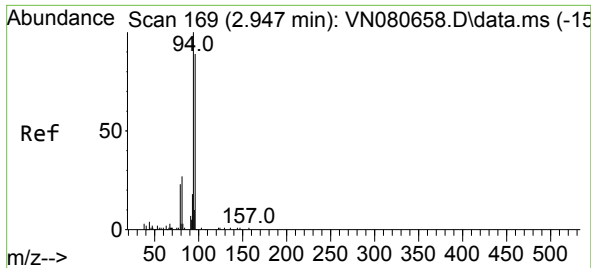
Tgt Ion:168 Resp: 147887
Ion Ratio Lower Upper
168 100
99 68.1 53.0 79.6



#3
Chloromethane
Concen: 0.741 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Tgt Ion: 50 Resp: 3743
Ion Ratio Lower Upper
50 100
52 17.7 26.5 39.7#





#5

Bromomethane

Concen: 0.325 ug/l

RT: 2.960 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

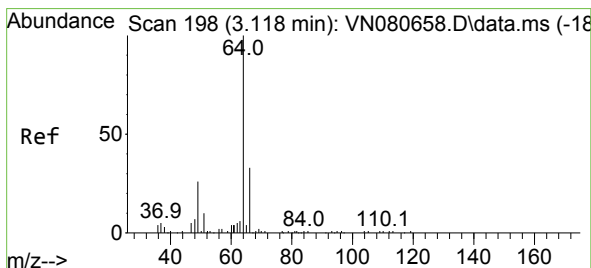
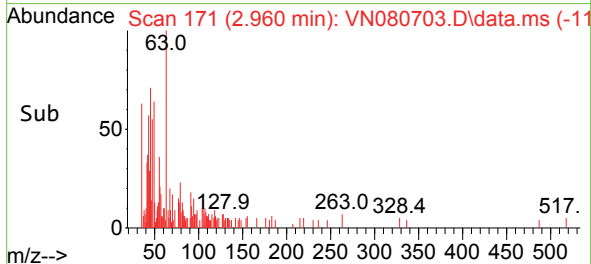
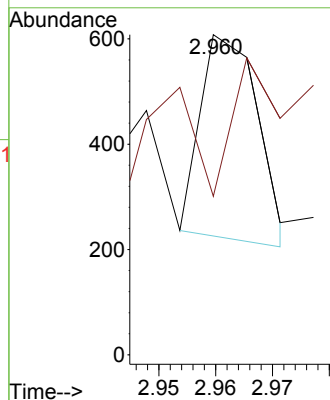
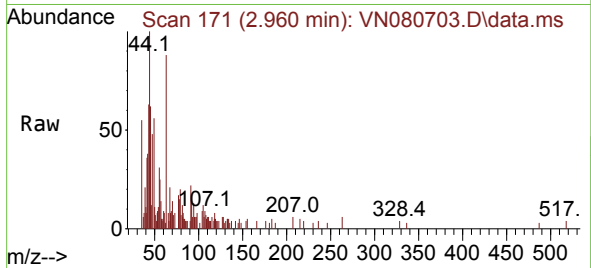
ClientSampleId :

Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.148 min Scan# 203

Delta R.T. 0.030 min

Lab File: VN080703.D

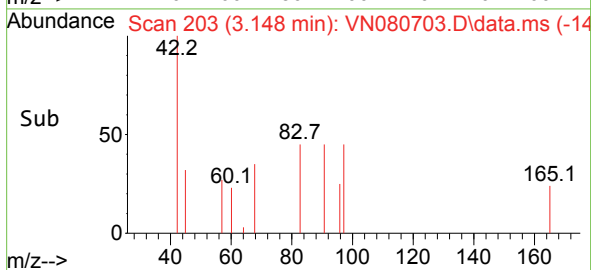
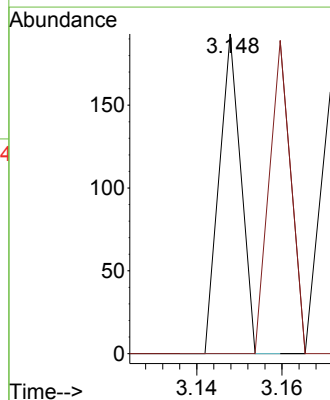
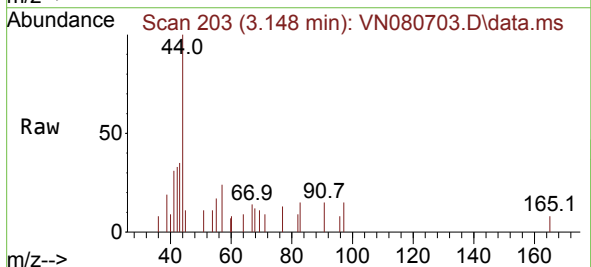
Acq: 12 Jan 2024 20:29

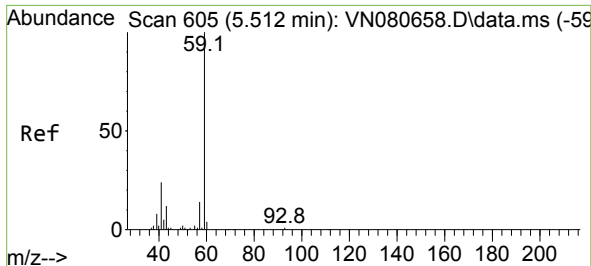
Tgt Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 6.172 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

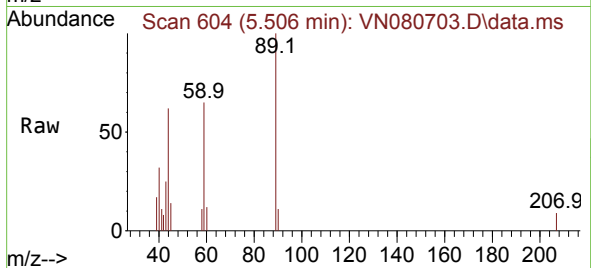
Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

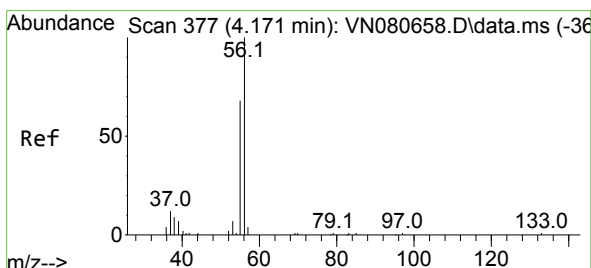
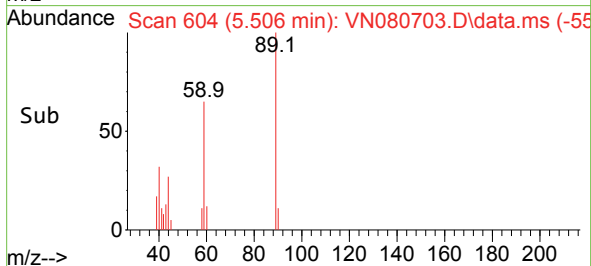
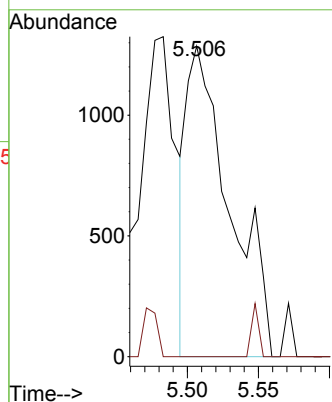


Tgt Ion: 59 Resp: 2711

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 1.071 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.006 min

Lab File: VN080703.D

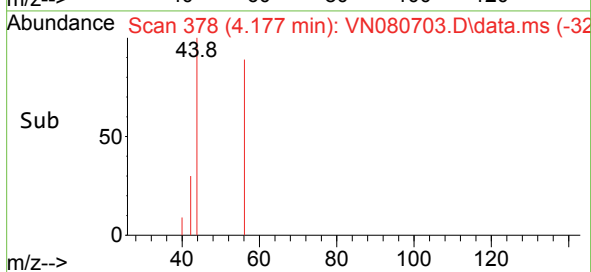
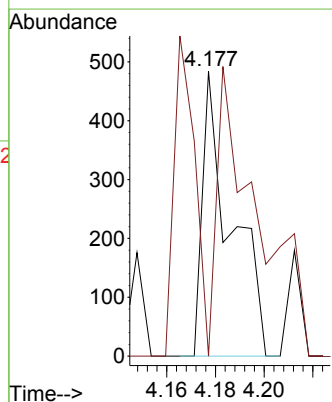
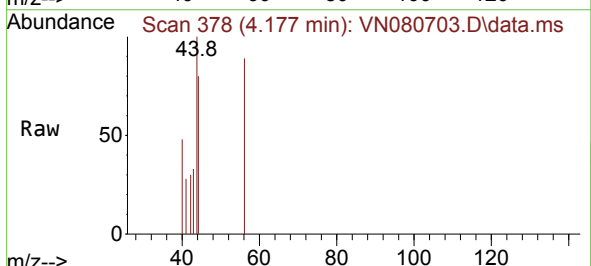
Acq: 12 Jan 2024 20:29

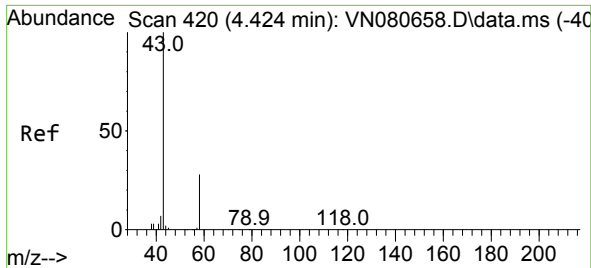
Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 145.0 54.5 81.7#

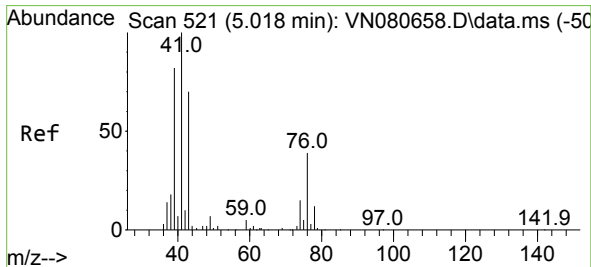
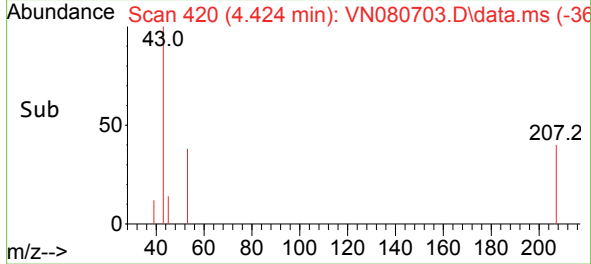
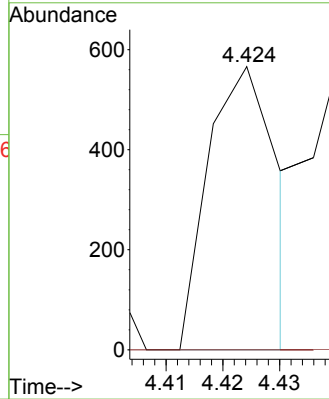
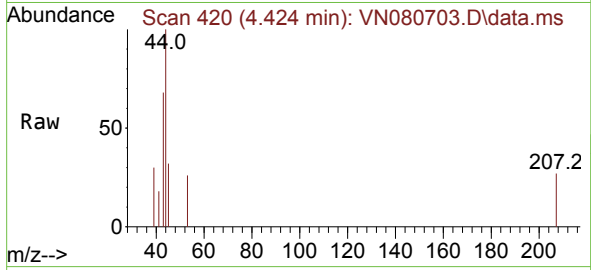




#16
Acetone
Concen: 0.570 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

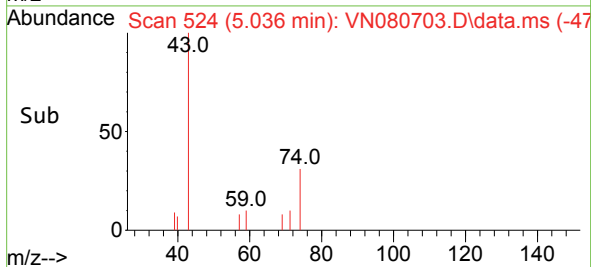
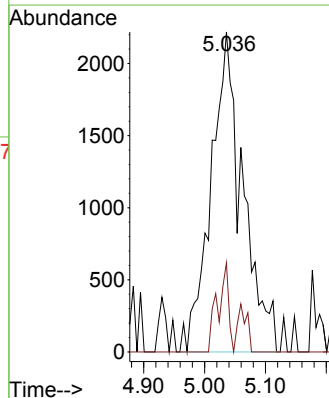
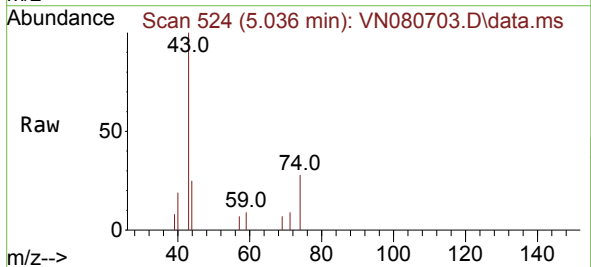
Instrument :
MSVOA_N
ClientSampleId :

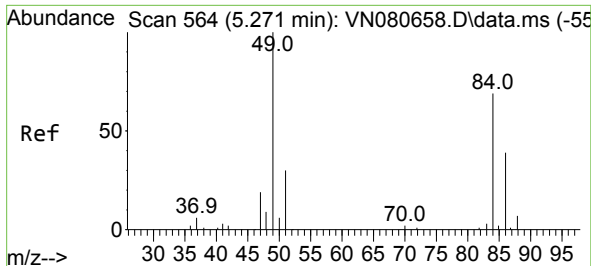
Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 3.169 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

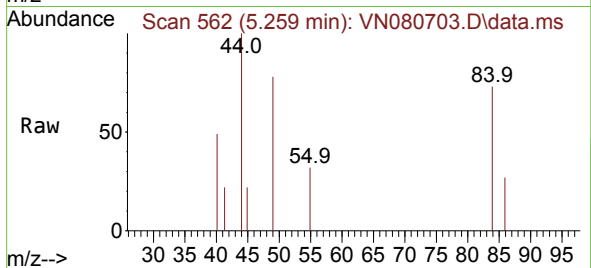
Tgt Ion: 43 Resp: 8045
Ion Ratio Lower Upper
43 100
74 9.5 26.2 39.4#



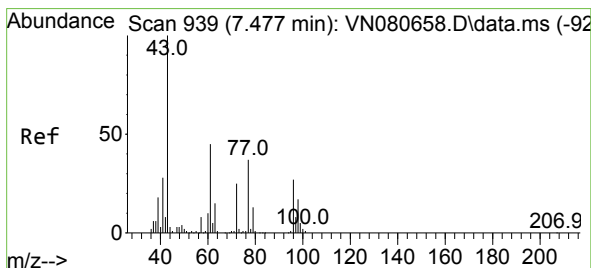
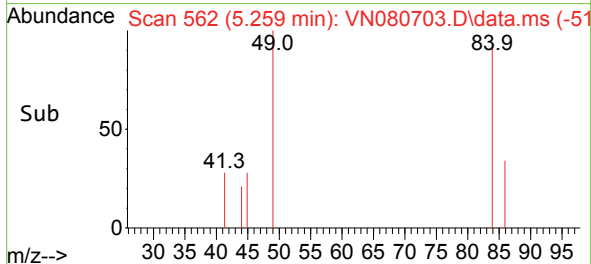
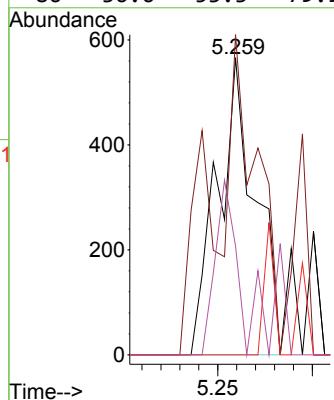


#20
Methylene Chloride
Concen: 0.314 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

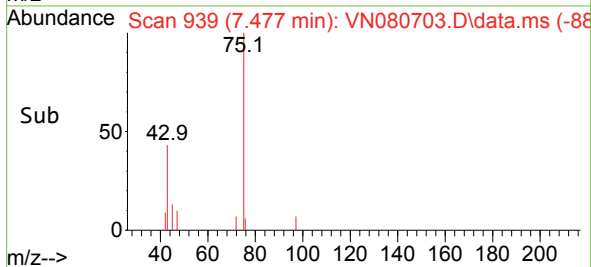
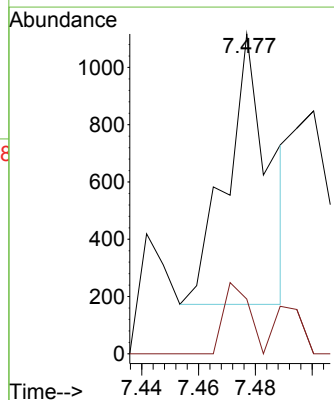
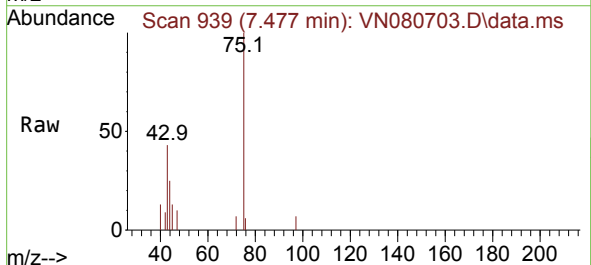


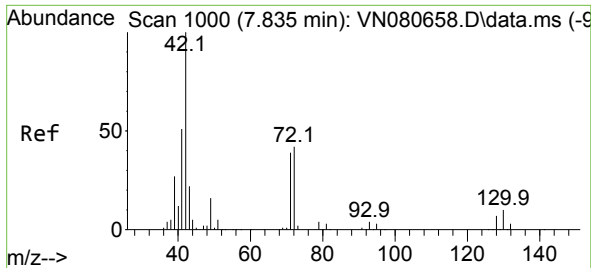
Tgt Ion:	84	Resp:	782
Ion	Ratio	Lower	Upper
84	100		
49	107.8	79.7	119.5
51	0.0	25.2	37.8#
86	36.6	53.3	79.9#



#25
2-Butanone
Concen: 0.643 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

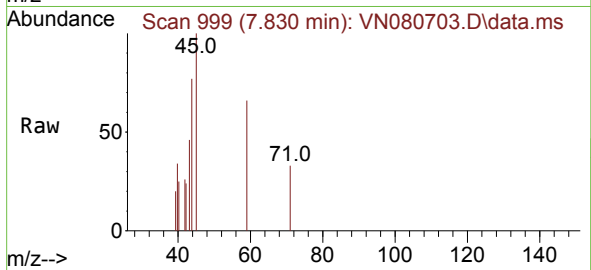
Tgt Ion:	43	Resp:	991
Ion	Ratio	Lower	Upper
43	100		
72	20.2	30.2	45.2#



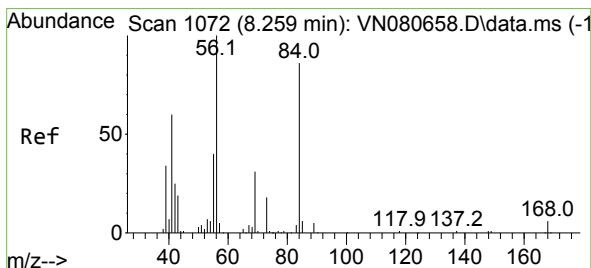
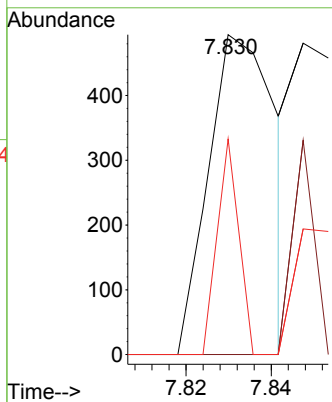
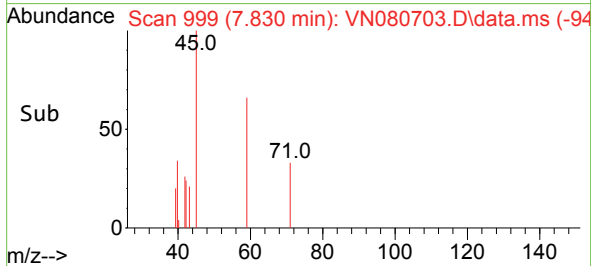


#29
Tetrahydrofuran
Concen: 0.528 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Instrument :
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ClientSampleId :

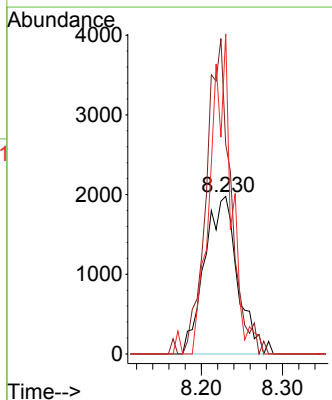
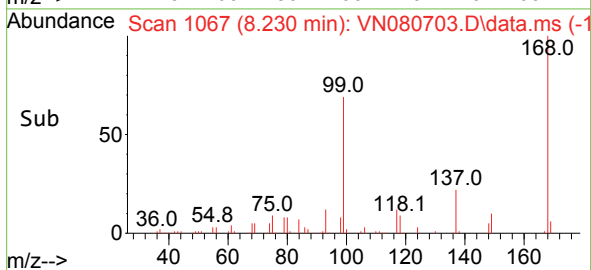
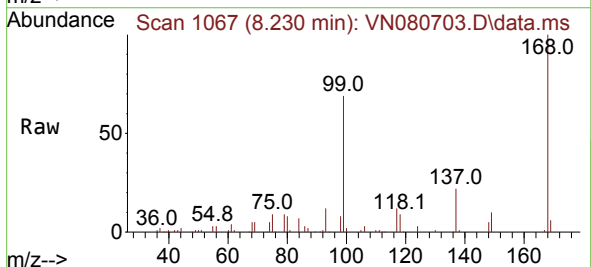


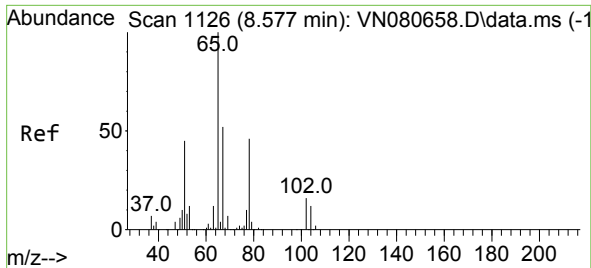
Tgt Ion: 42 Resp: 548
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 21.5 47.4 71.2#



#31
Cyclohexane
Concen: 1.392 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Tgt Ion: 56 Resp: 5585
Ion Ratio Lower Upper
56 100
69 133.0 26.8 40.2#
84 203.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 42.790 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

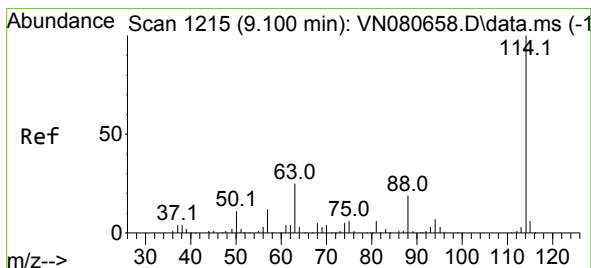
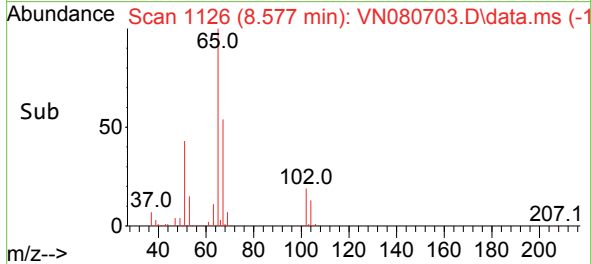
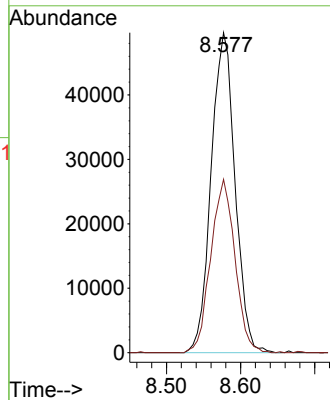
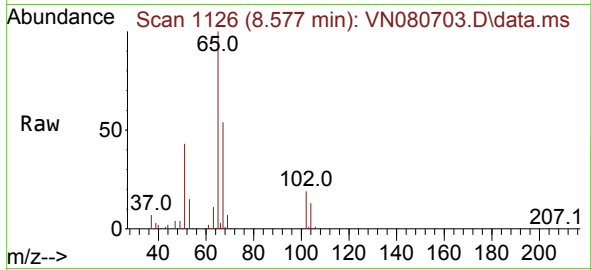
ClientSampleId :

Tgt Ion: 65 Resp: 111128

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

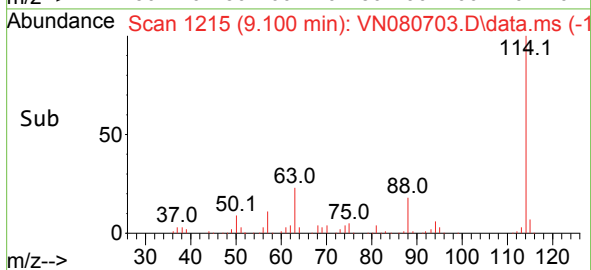
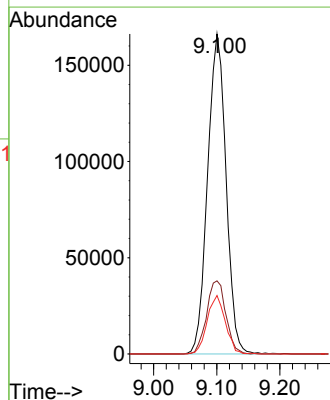
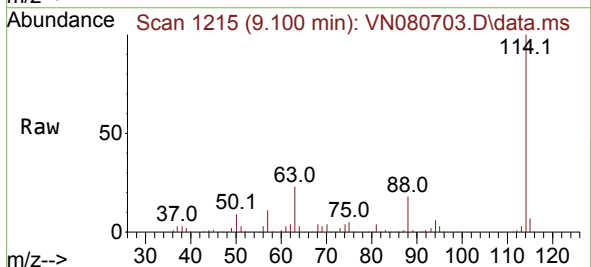
Tgt Ion: 114 Resp: 337572

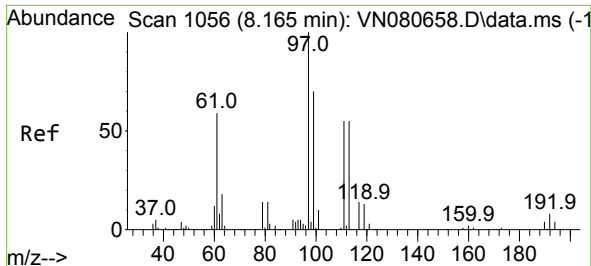
Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.4

88 18.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.574 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

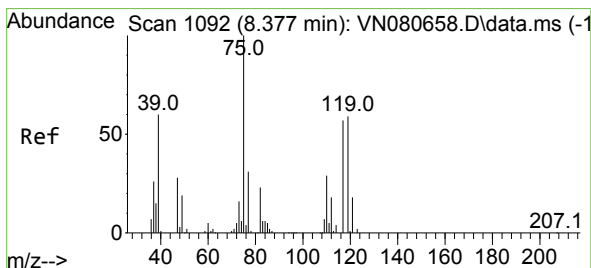
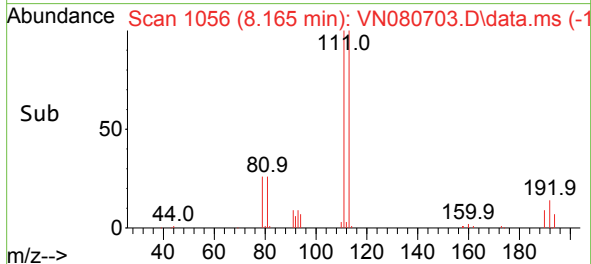
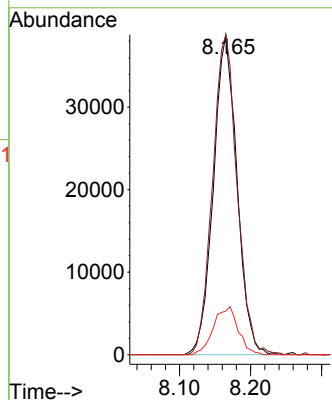
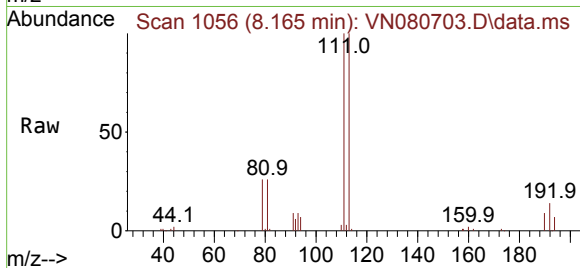
Tgt Ion:113 Resp: 89329

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 15.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.872 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.158 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

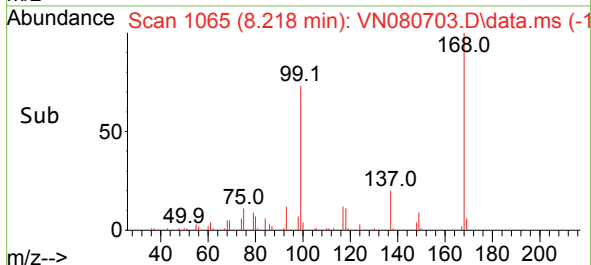
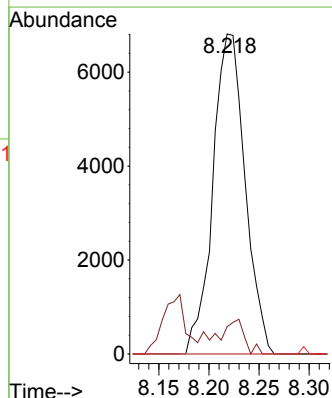
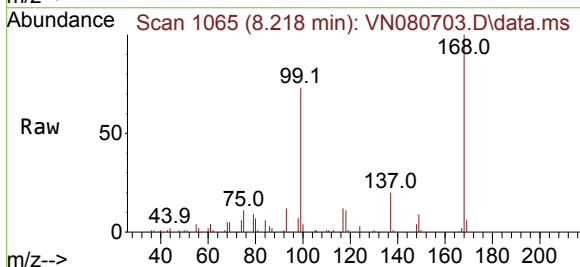
Tgt Ion: 75 Resp: 15212

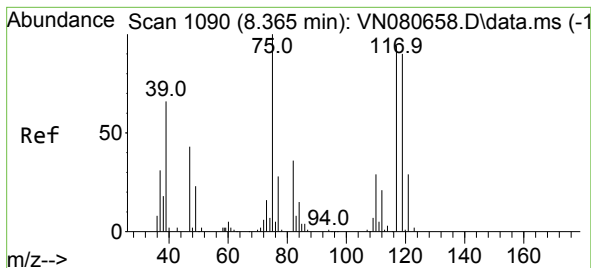
Ion Ratio Lower Upper

75 100

110 5.9 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.822 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

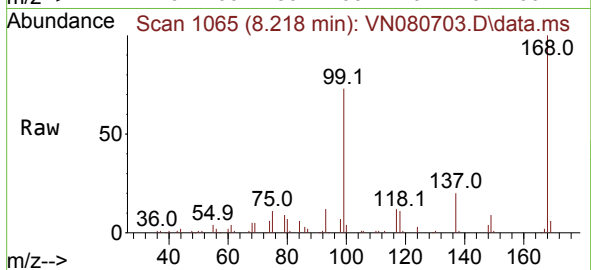
Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :



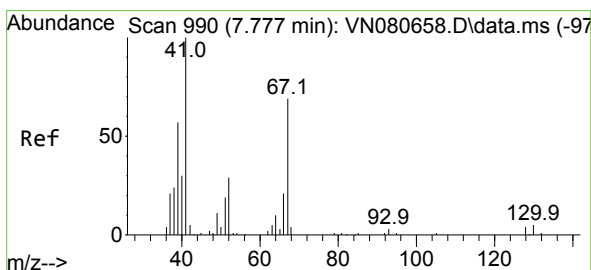
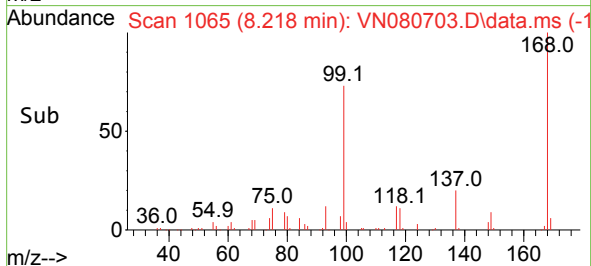
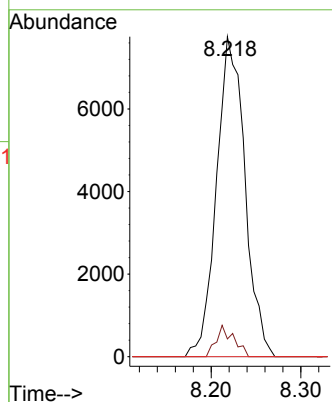
Tgt Ion:117 Resp: 17009

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#41

Methacrylonitrile

Concen: 0.555 ug/l

RT: 7.759 min Scan# 987

Delta R.T. -0.017 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Tgt Ion: 41 Resp: 1227

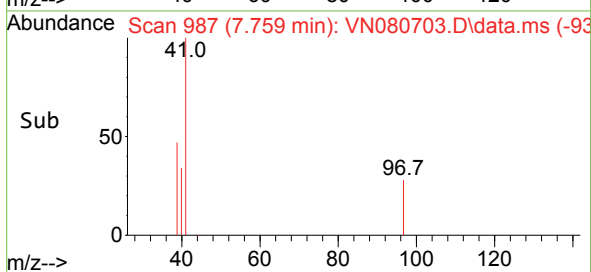
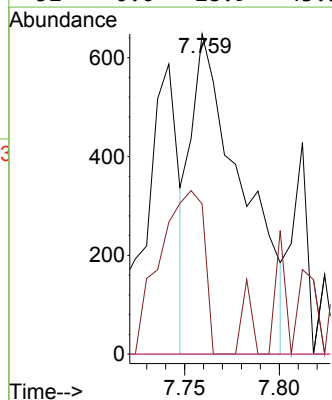
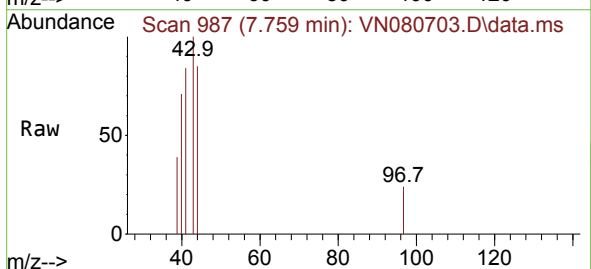
Ion Ratio Lower Upper

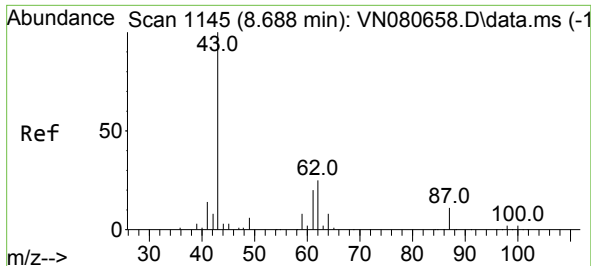
41 100

39 44.0 42.6 64.0

67 0.0 77.5 116.3#

52 0.0 28.9 43.3#

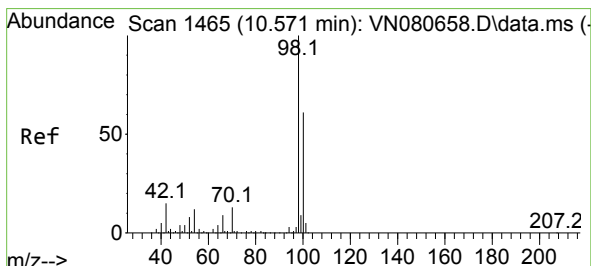
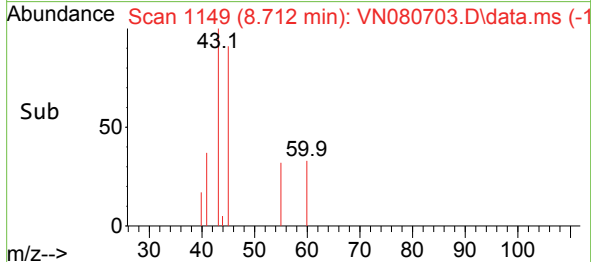
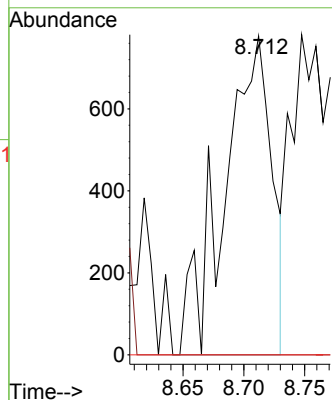
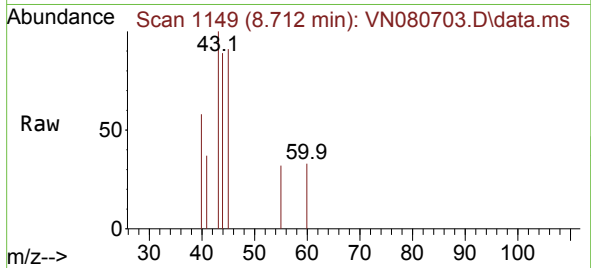




#43
Isopropyl Acetate
Concen: 0.304 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

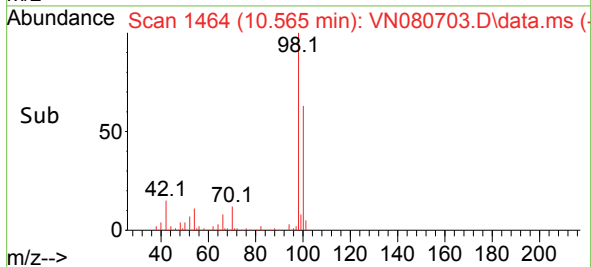
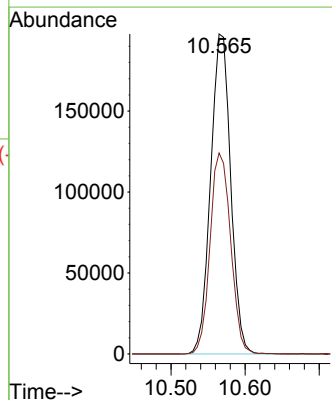
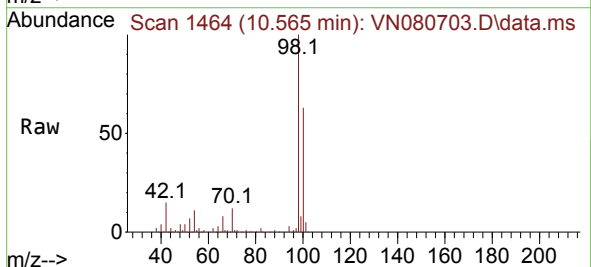
Instrument :
MSVOA_N
ClientSampleId :

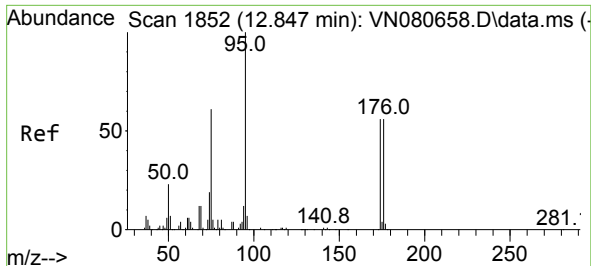
Tgt Ion: 43 Resp: 2128
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.874 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Tgt Ion: 98 Resp: 372067
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

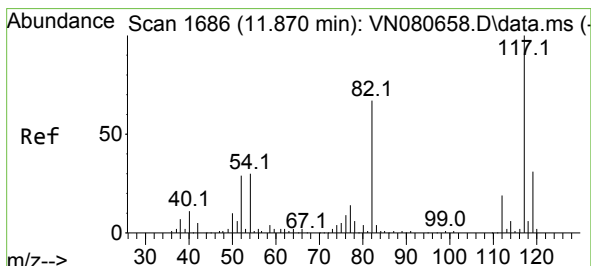
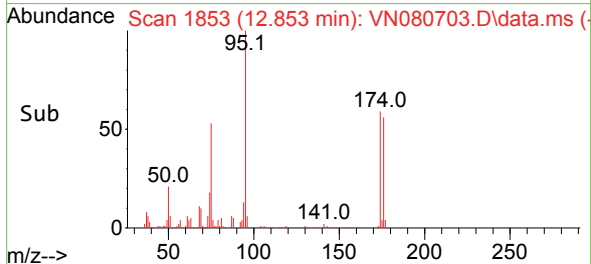
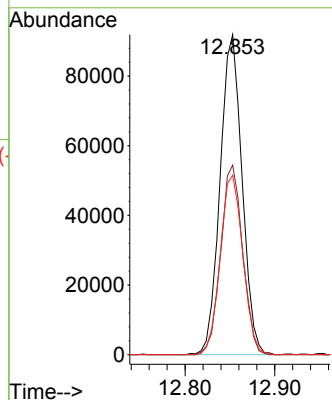
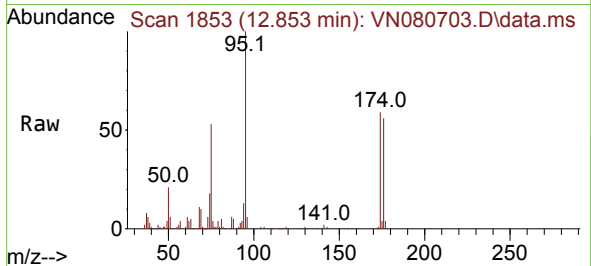




#62
4-Bromofluorobenzene
Concen: 55.746 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

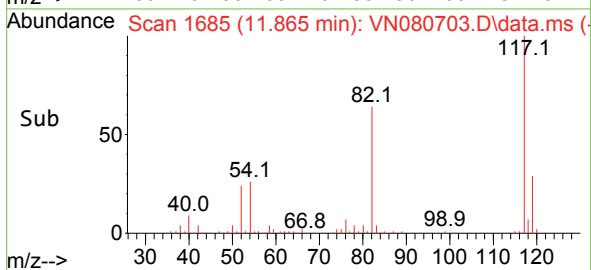
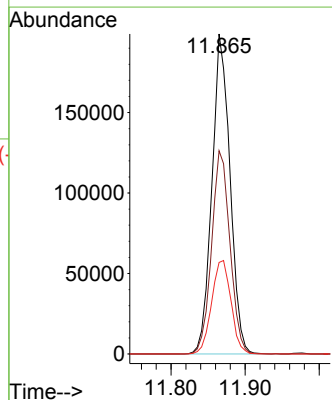
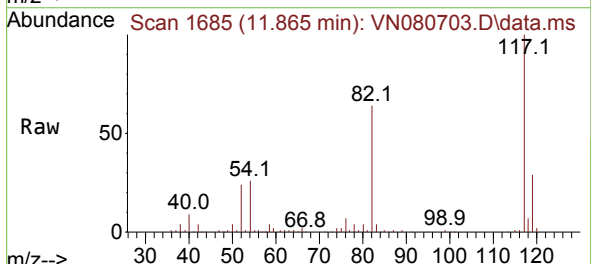
Instrument :
MSVOA_N
ClientSampleId :

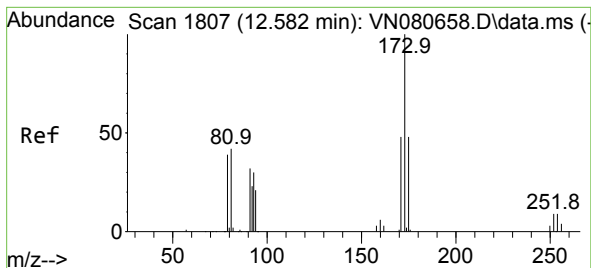
Tgt Ion: 95 Resp: 156343
Ion Ratio Lower Upper
95 100
174 58.8 0.0 143.8
176 57.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

Tgt Ion: 117 Resp: 336168
Ion Ratio Lower Upper
117 100
82 63.5 44.0 66.0
119 28.6 25.6 38.4





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080703.D

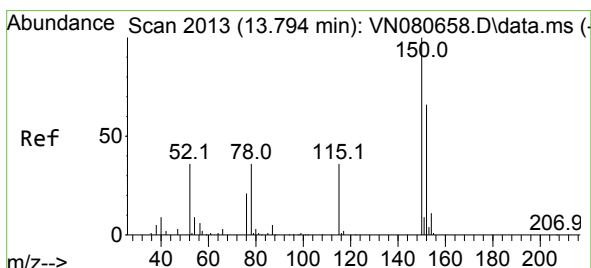
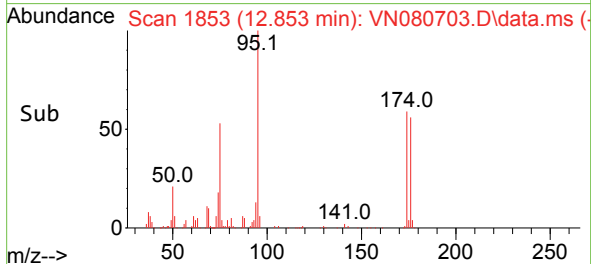
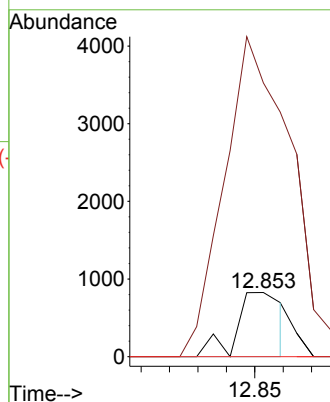
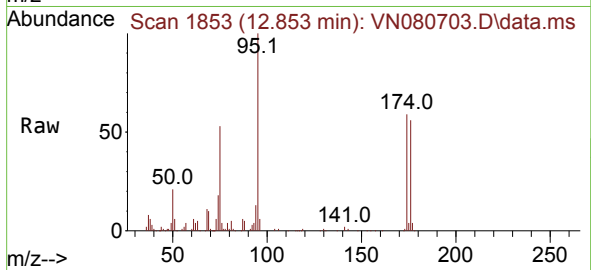
Acq: 12 Jan 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	931
Ion Ratio	Lower	Upper
173	100	
175	583.5	24.3 73.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

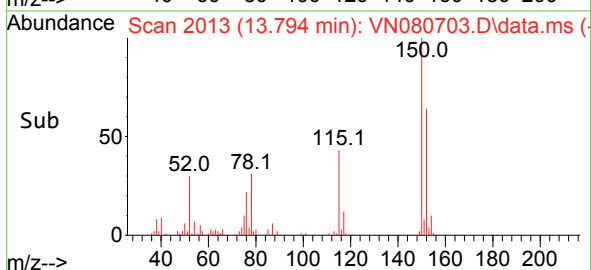
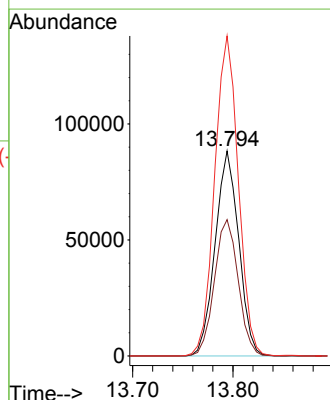
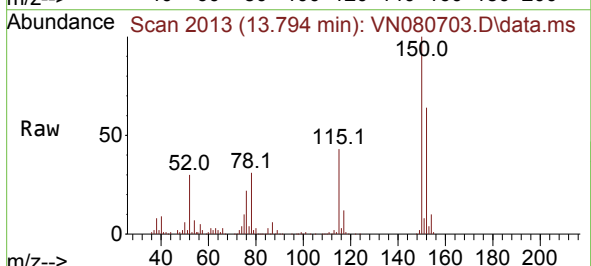
RT: 13.794 min Scan# 2013

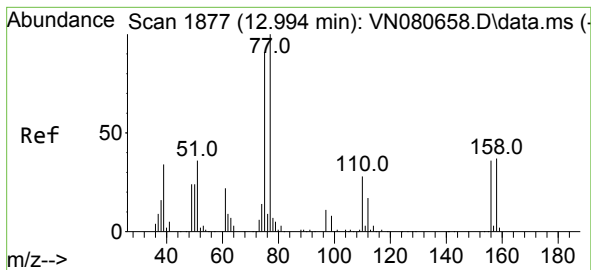
Delta R.T. 0.000 min

Lab File: VN080703.D

Acq: 12 Jan 2024 20:29

Tgt Ion:152	Resp:	144268
Ion Ratio	Lower	Upper
152	100	
115	67.2	32.3 96.8
150	156.5	0.0 355.8

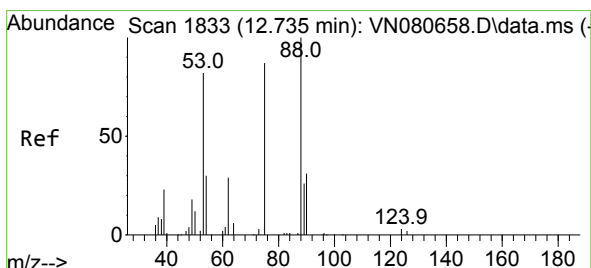
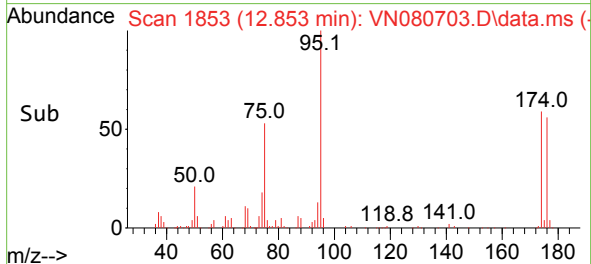
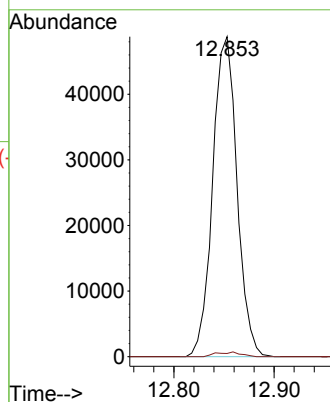
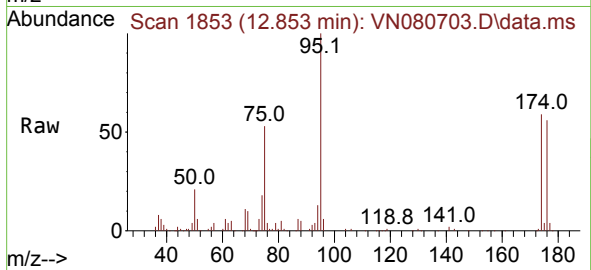




#76
1,2,3-Trichloropropane
Concen: 18.472 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

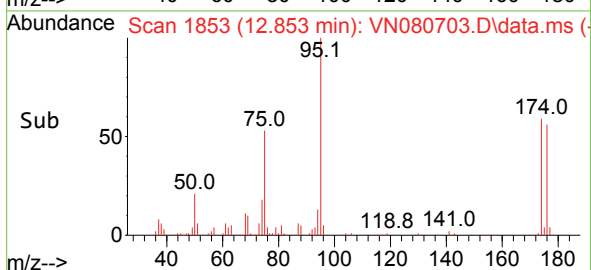
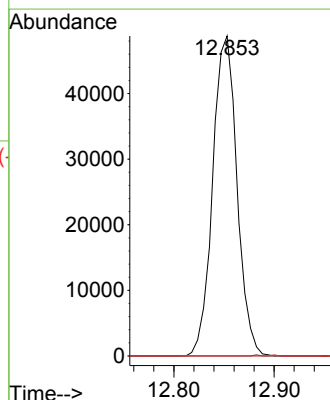
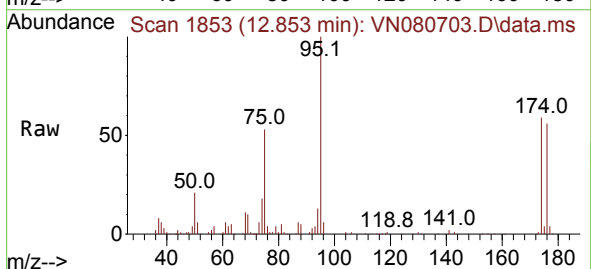
Instrument :
MSVOA_N
ClientSampleId :

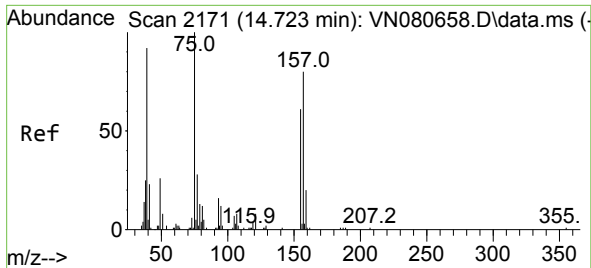
Tgt Ion: 75 Resp: 82175
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.546 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080703.D
Acq: 12 Jan 2024 20:29

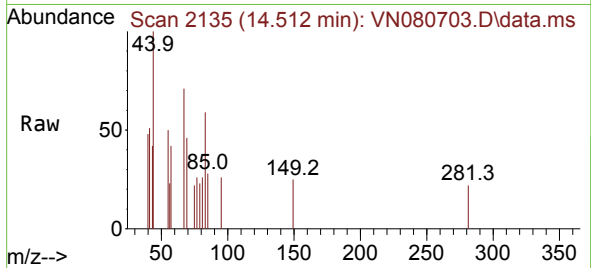
Tgt Ion: 75 Resp: 82175
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.512 min Scan# 21
 Delta R.T. -0.211 min
 Lab File: VN080703.D
 Acq: 12 Jan 2024 20:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

