

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120123\
 Data File : VN080320.D
 Acq On : 01 Dec 2023 14:48
 Operator : JC\MD
 Sample : 05607-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 22:34:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	172402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150425	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150162	52.751	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.500%
35) Dibromofluoromethane	8.165	113	121127	53.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.680%
50) Toluene-d8	10.571	98	411059	50.215	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.420%
62) 4-Bromofluorobenzene	12.853	95	164292	53.135	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.260%

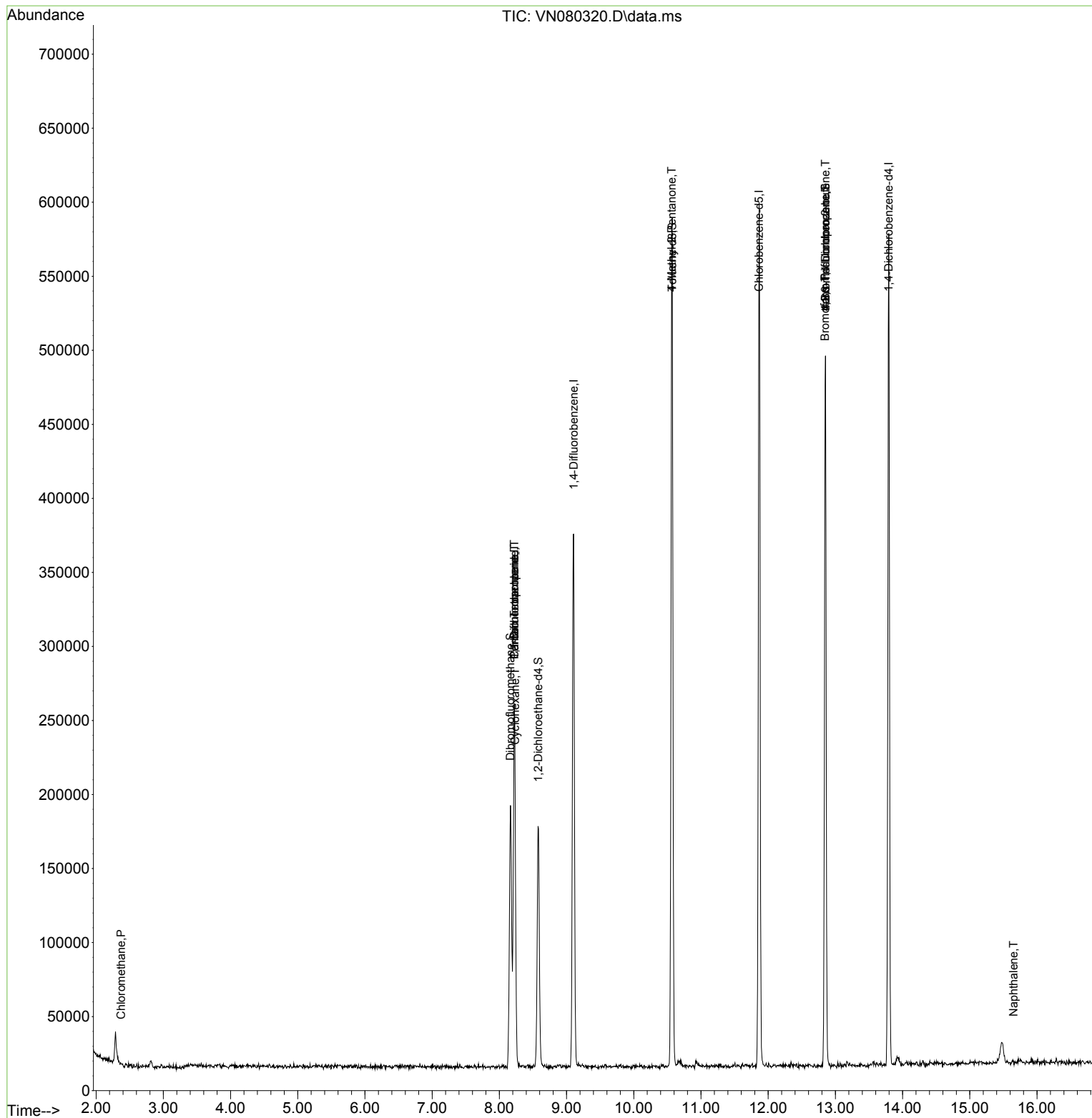
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	672	0.348	ug/l #	42
6) Chloroethane	3.136	64	287	Below Cal	#	43
31) Cyclohexane	8.235	56	3546	1.145	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	13645	4.150	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20101	4.818	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1601	0.697	ug/l #	1
71) Bromoform	12.847	173	623	0.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	93579	25.390	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93579	85.782	ug/l #	15
95) Naphthalene	15.653	128	1857	0.217	ug/l #	70

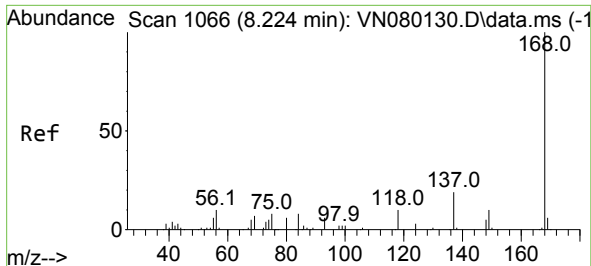
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

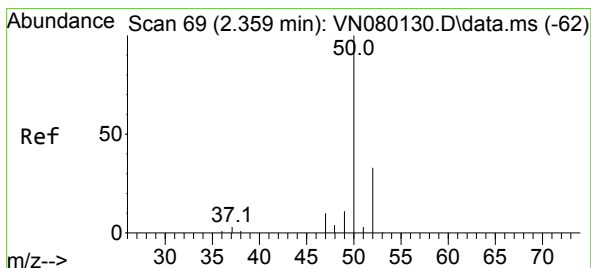
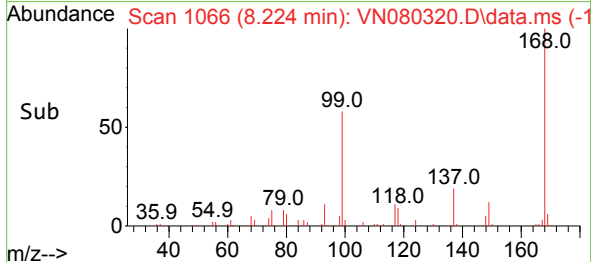
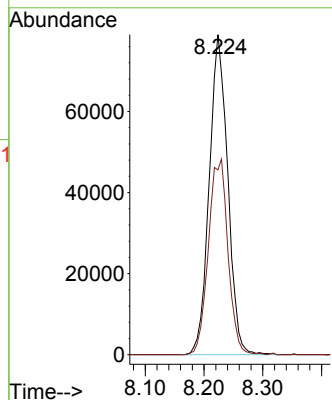
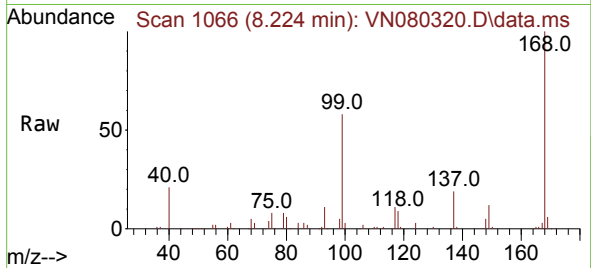




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

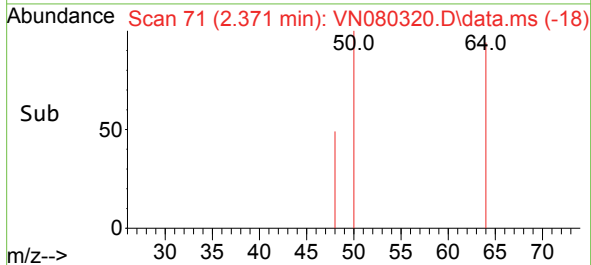
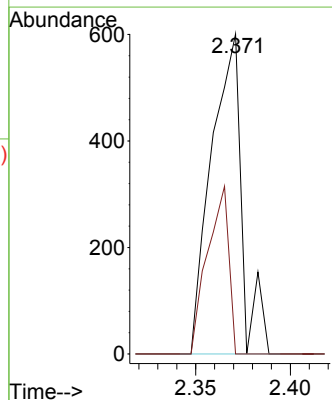
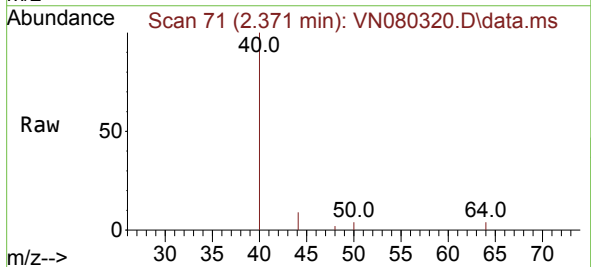
Instrument :
MSVOA_N
ClientSampleId :

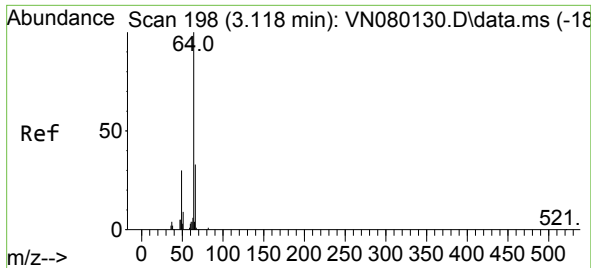
Tgt Ion:168 Resp: 172402
Ion Ratio Lower Upper
168 100
99 57.8 53.0 79.6



#3
Chloromethane
Concen: 0.348 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

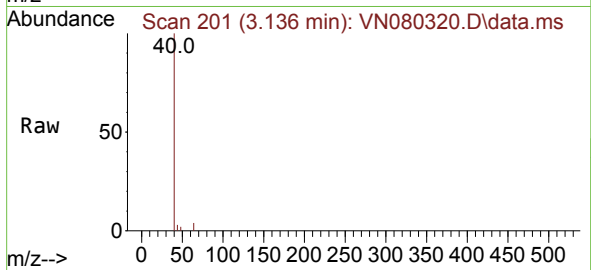
Tgt Ion: 50 Resp: 672
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



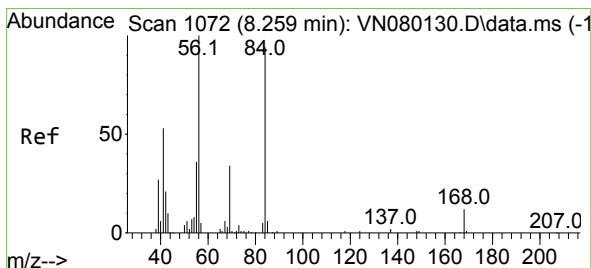
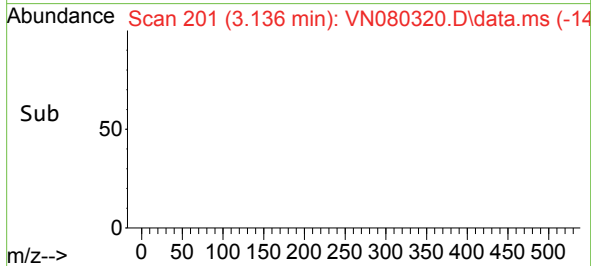
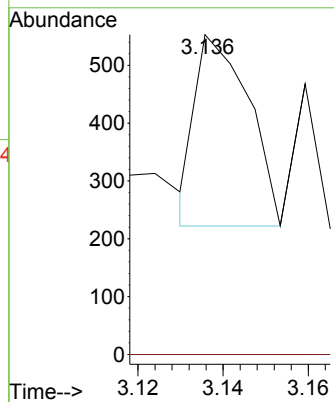


#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

Instrument :
MSVOA_N
ClientSampleId :

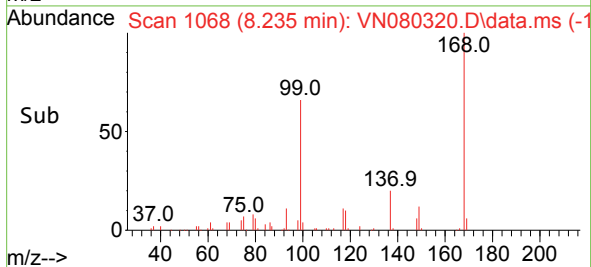
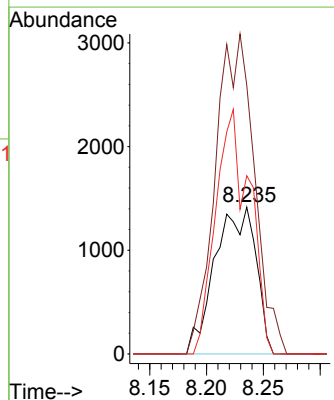
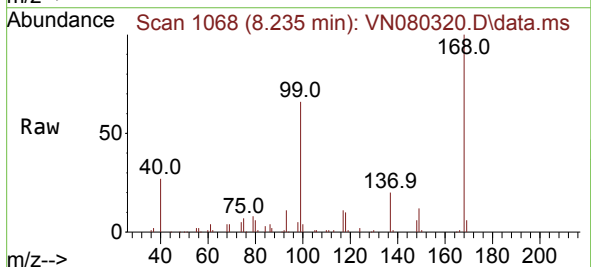


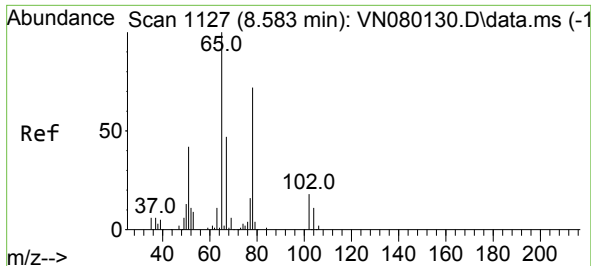
Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

Tgt Ion: 56 Resp: 3546
Ion Ratio Lower Upper
56 100
69 182.9 26.8 40.2#
84 121.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.751 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

Instrument :

MSVOA_N

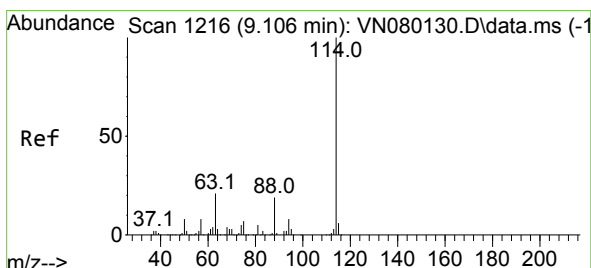
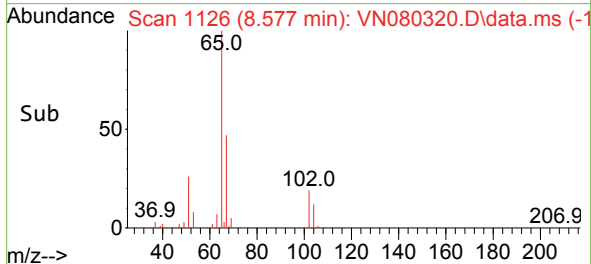
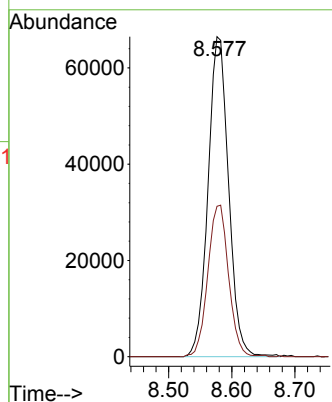
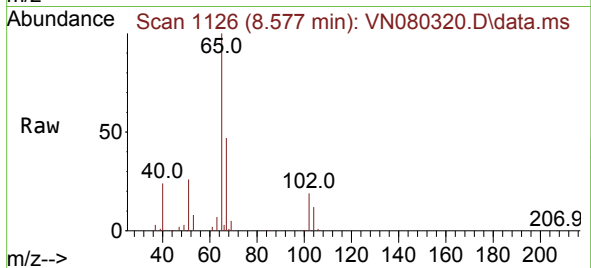
ClientSampleId :

Tgt Ion: 65 Resp: 150162

Ion Ratio Lower Upper

65 100

67 47.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

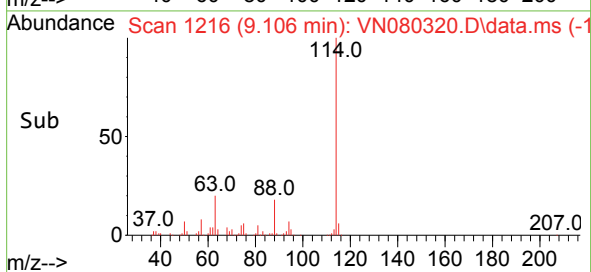
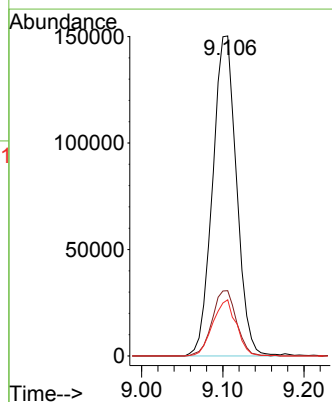
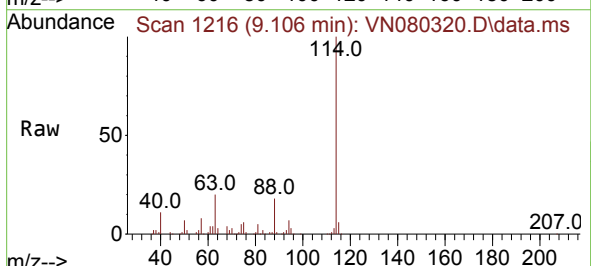
Tgt Ion: 114 Resp: 307759

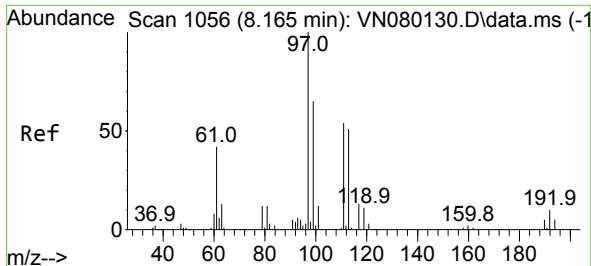
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

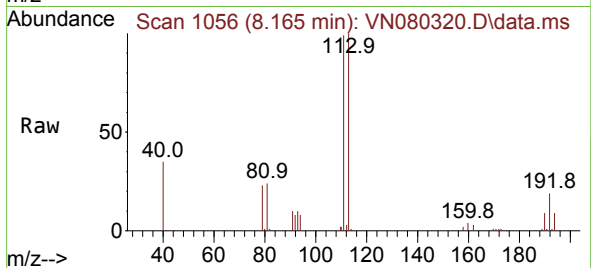
88 17.5 0.0 30.6



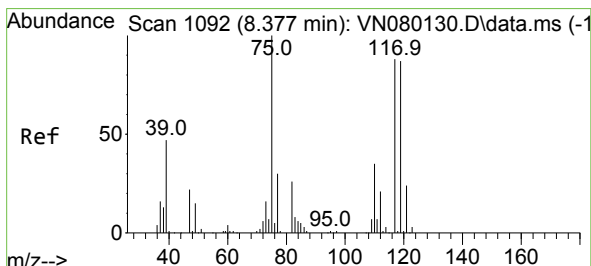
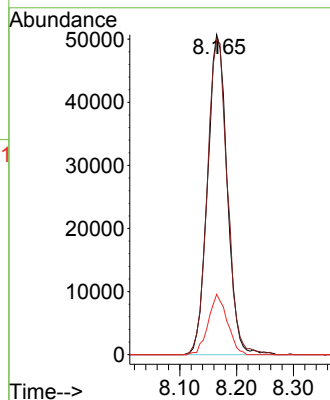
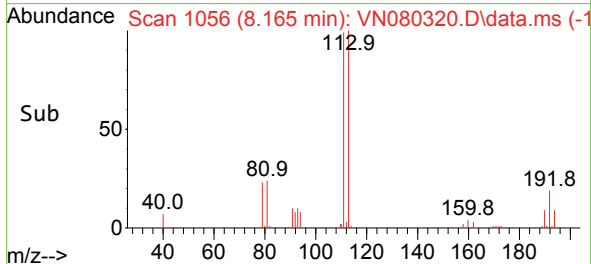


#35
Dibromofluoromethane
Concen: 53.340 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

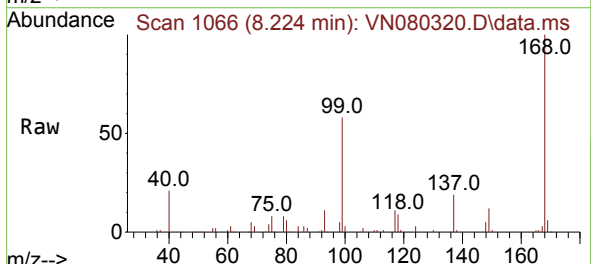
Instrument :
MSVOA_N
ClientSampleId :



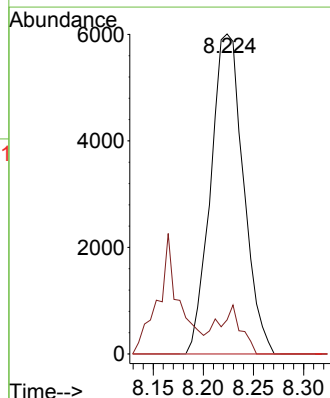
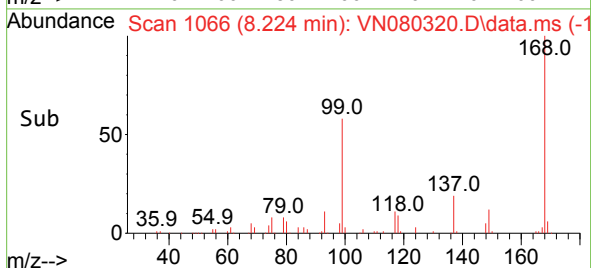
Tgt Ion:113 Resp: 121127
Ion Ratio Lower Upper
113 100
111 100.7 82.6 123.8
192 18.4 12.7 19.1

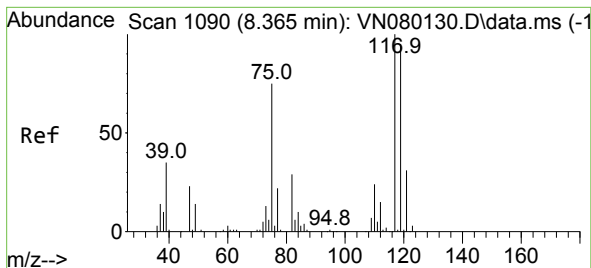


#36
1,1-Dichloropropene
Concen: 4.150 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48



Tgt Ion: 75 Resp: 13645
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.818 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

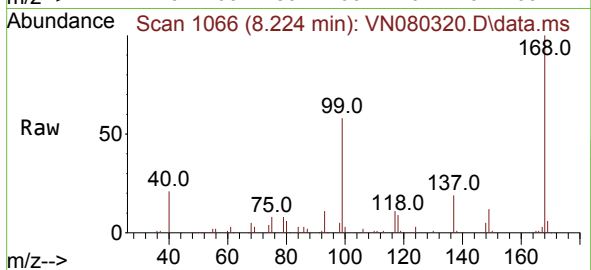
Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :



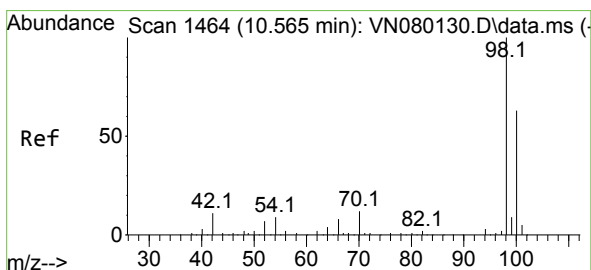
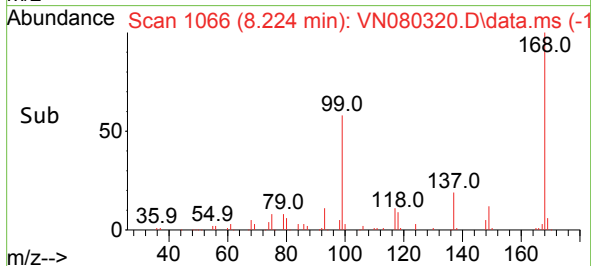
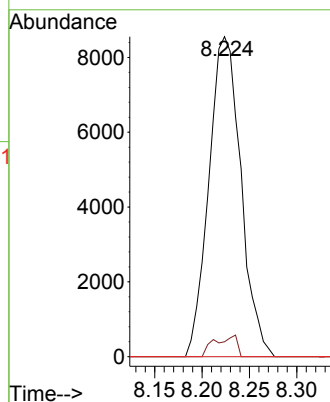
Tgt Ion:117 Resp: 20101

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.215 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080320.D

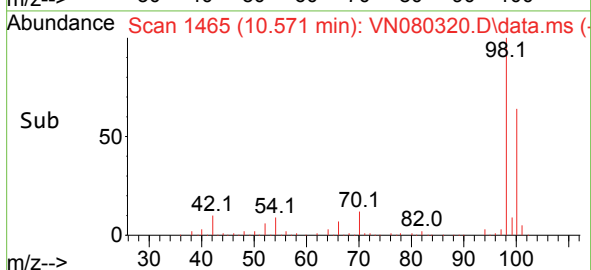
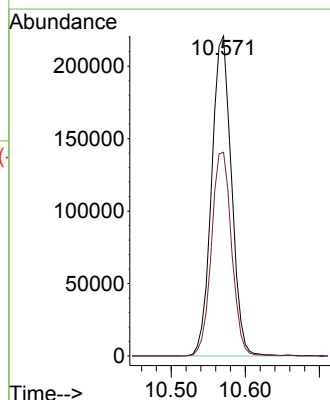
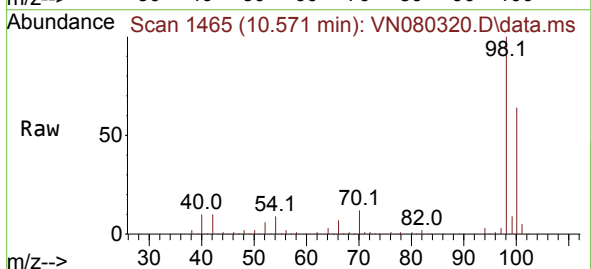
Acq: 01 Dec 2023 14:48

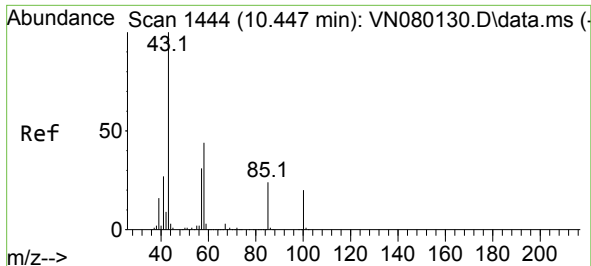
Tgt Ion: 98 Resp: 411059

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.697 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.117 min

Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

Instrument :

MSVOA_N

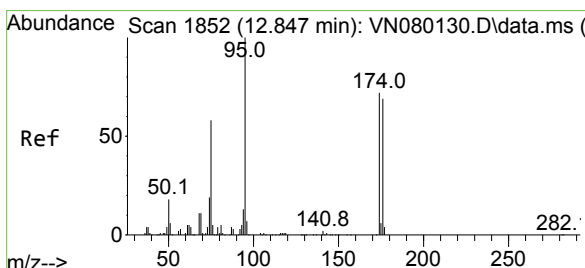
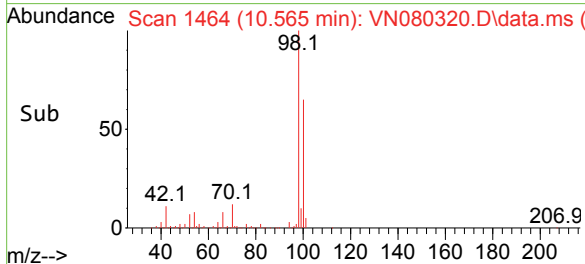
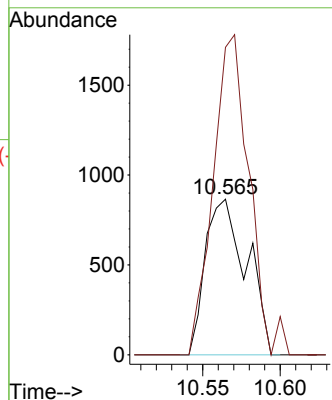
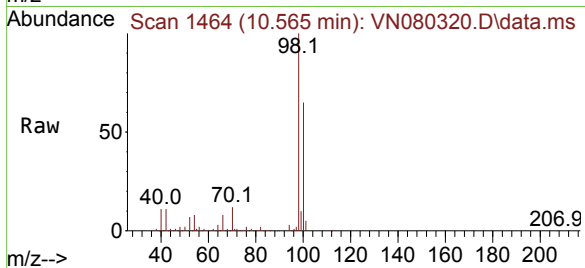
ClientSampleId :

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 179.8 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 53.135 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

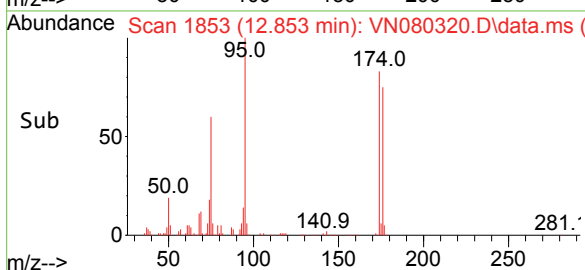
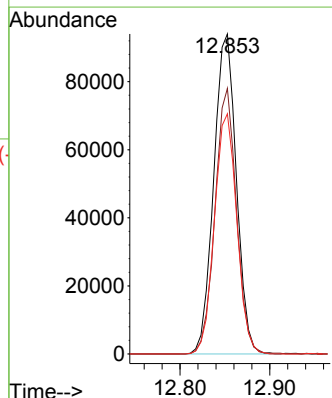
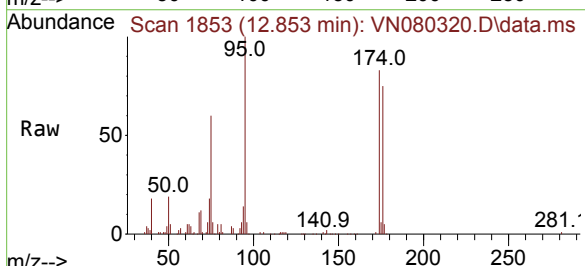
Tgt Ion: 95 Resp: 164292

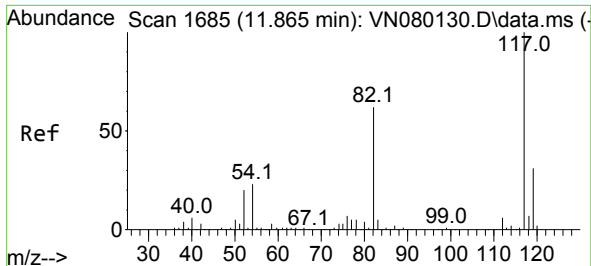
Ion Ratio Lower Upper

95 100

174 78.9 0.0 143.8

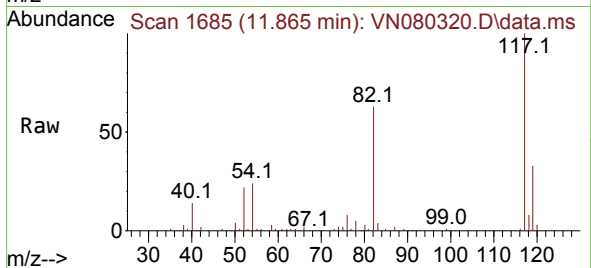
176 74.4 0.0 135.8



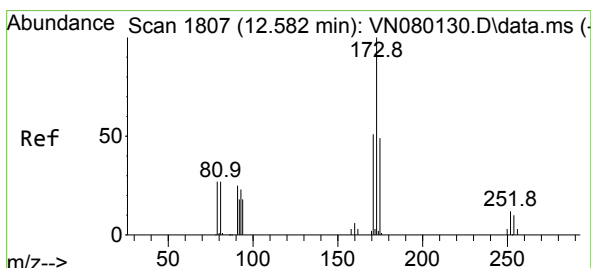
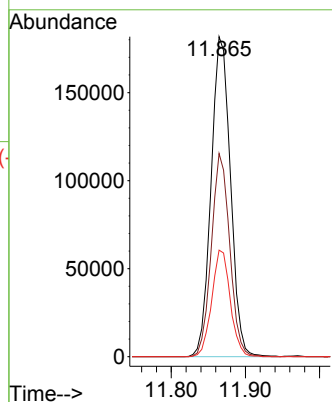
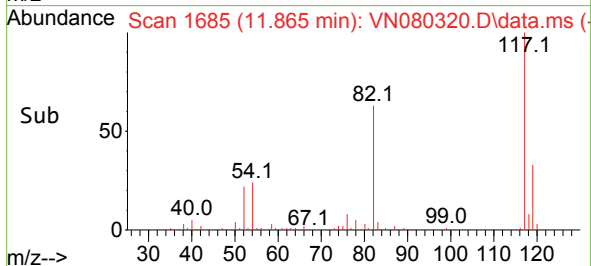


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

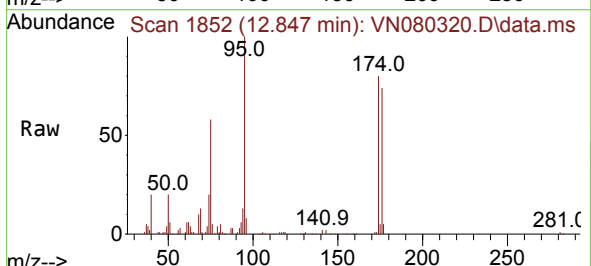
Instrument :
MSVOA_N
ClientSampleId :



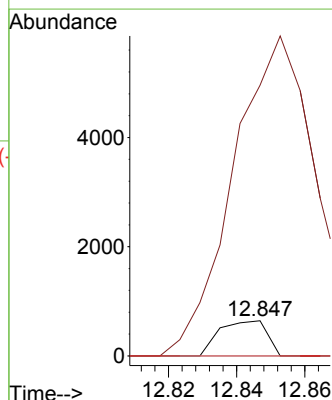
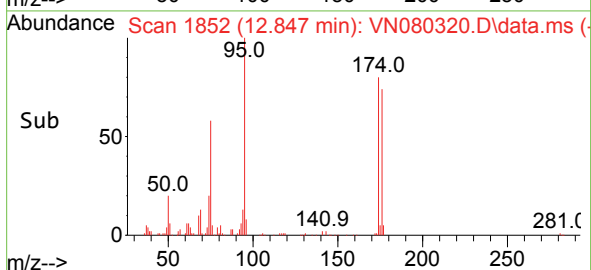
Tgt Ion:117 Resp: 329855
Ion Ratio Lower Upper
117 100
82 63.5 44.0 66.0
119 33.3 25.6 38.4

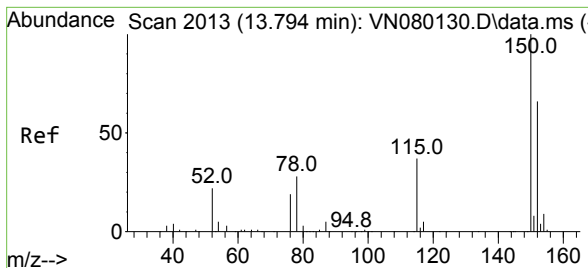


#71
Bromoform
Concen: 0.290 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48



Tgt Ion:173 Resp: 623
Ion Ratio Lower Upper
173 100
175 1316.5 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# 20

Delta R.T. -0.000 min

Lab File: VN080320.D

Acq: 01 Dec 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :

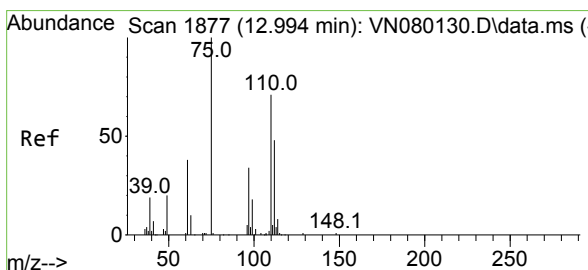
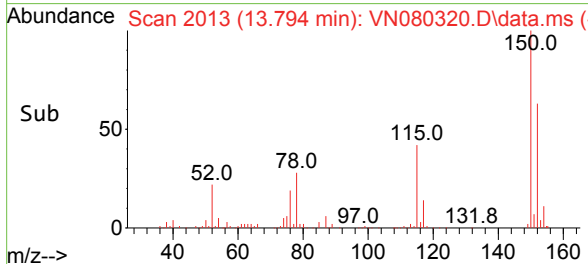
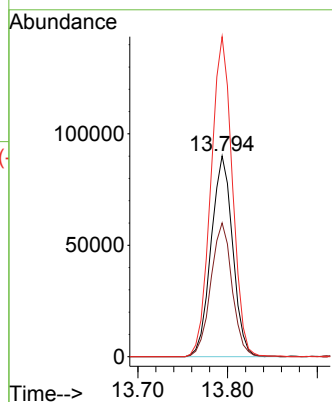
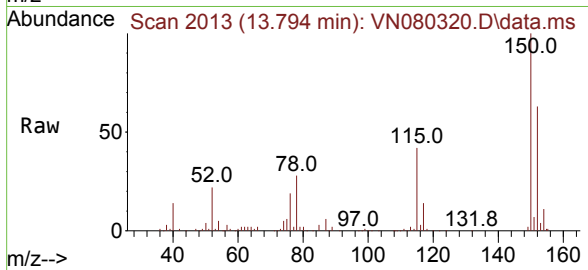
Tgt Ion:152 Resp: 150425

Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 158.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.390 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080320.D

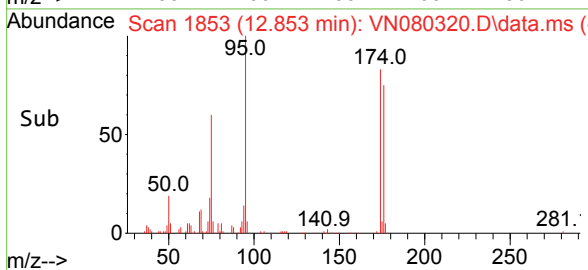
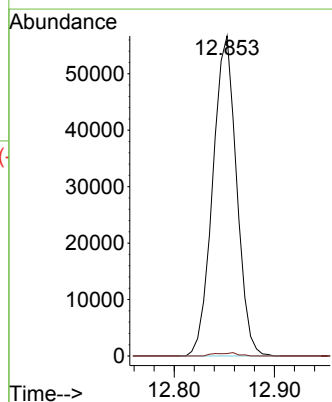
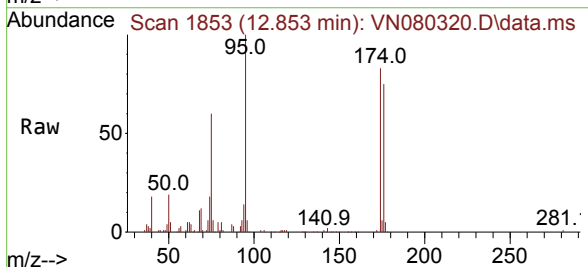
Acq: 01 Dec 2023 14:48

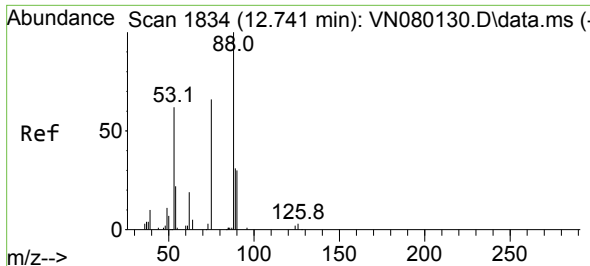
Tgt Ion: 75 Resp: 93579

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#

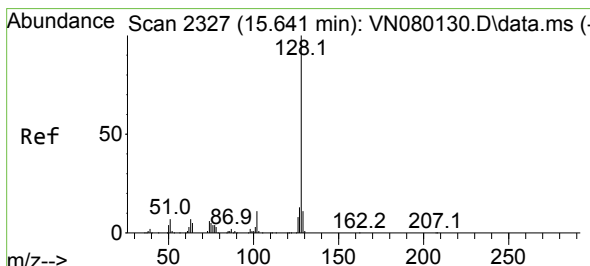
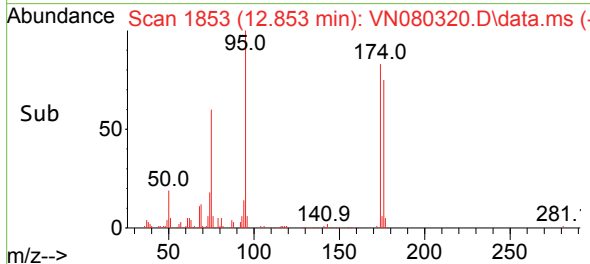
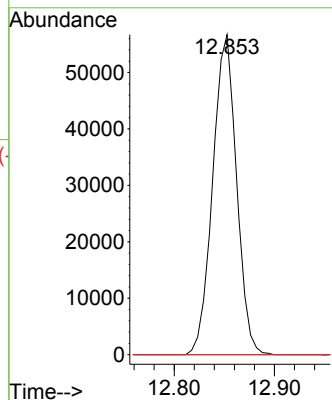
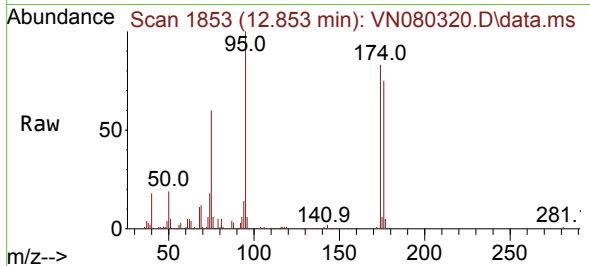




#81
trans-1,4-Dichloro-2-butene
Concen: 85.782 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 93579
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.012 min
Lab File: VN080320.D
Acq: 01 Dec 2023 14:48

Tgt Ion:128 Resp: 1857
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

