

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120123\
 Data File : VN080314.D
 Acq On : 01 Dec 2023 10:51
 Operator : JC\MD
 Sample : VN1201WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 22:30:56 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	165991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	300647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144818	52.838	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.680%	
35) Dibromofluoromethane	8.165	113	114963	51.823	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.640%	
50) Toluene-d8	10.571	98	400704	50.108	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.853	95	157483	52.138	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.280%	

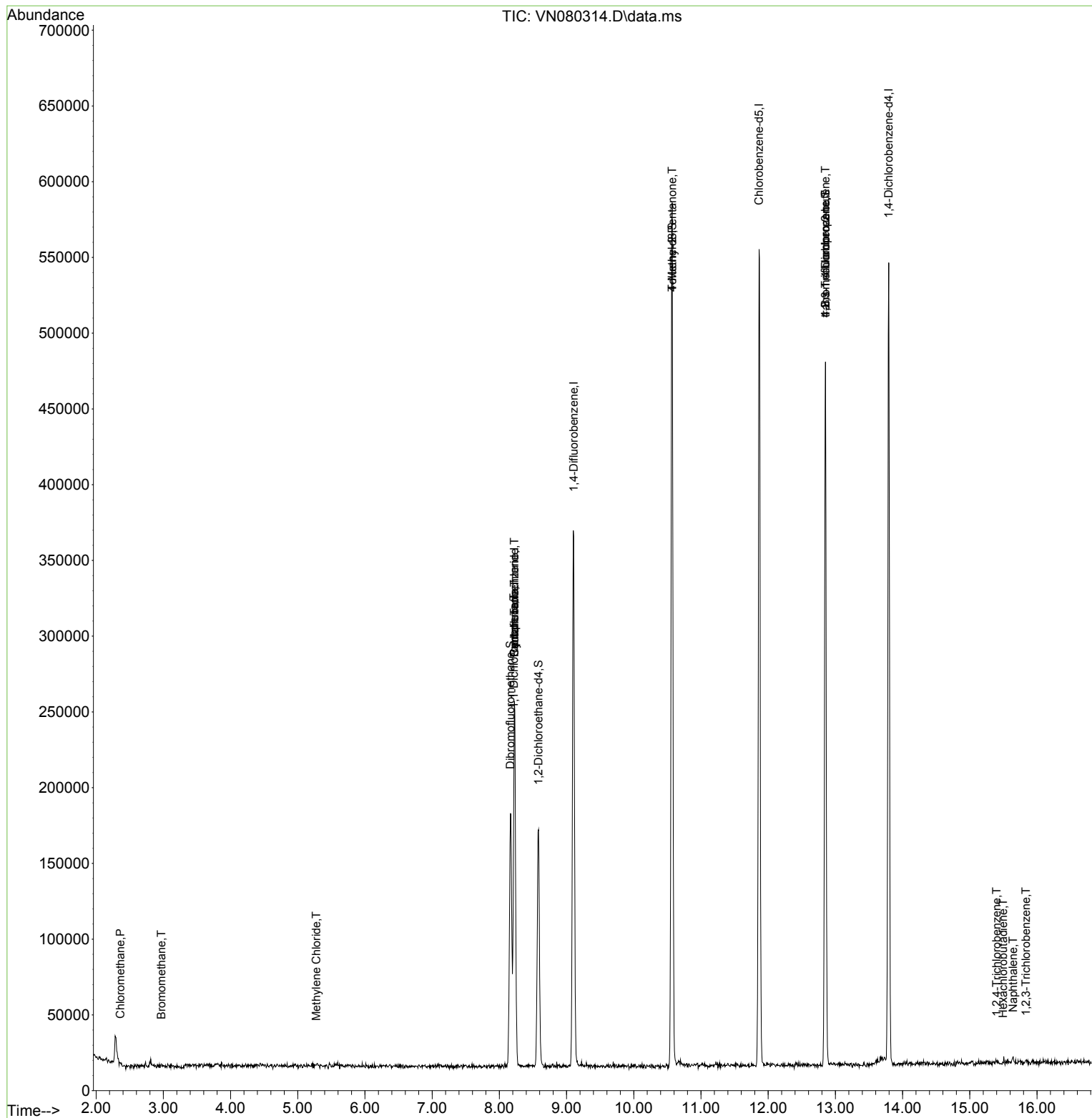
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	987	0.531	ug/l	89
5) Bromomethane	2.971	94	789	0.591	ug/l #	77
6) Chloroethane	3.118	64	596	Below Cal	#	43
20) Methylene Chloride	5.277	84	977	0.507	ug/l #	64
31) Cyclohexane	8.224	56	3450	1.157	ug/l #	30
36) 1,1-Dichloropropene	8.218	75	14454	4.500	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18429	4.522	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	1362	0.607	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	90150	26.370	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	90150	89.094	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1239	0.452	ug/l #	79
94) Hexachlorobutadiene	15.494	225	741	0.470	ug/l #	67
95) Naphthalene	15.647	128	3992	0.502	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.835	180	906	0.353	ug/l #	62

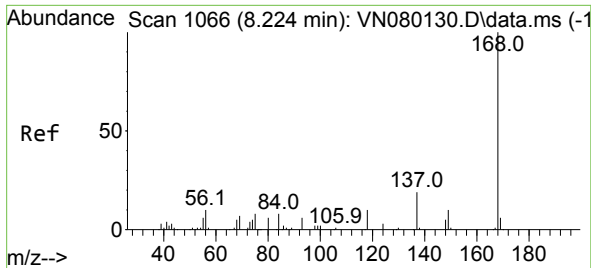
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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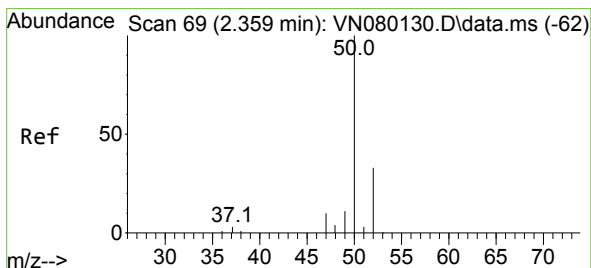
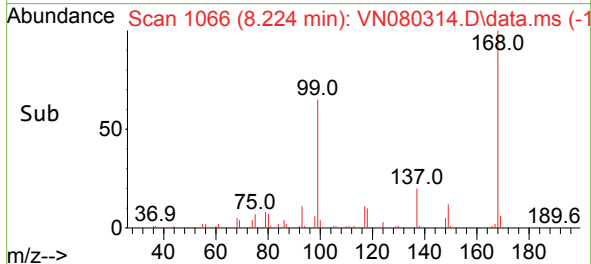
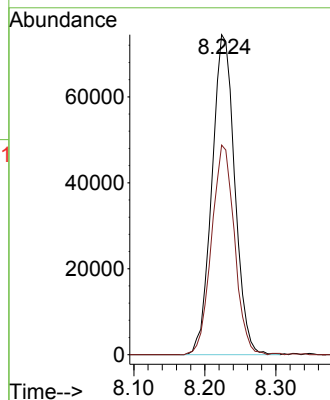
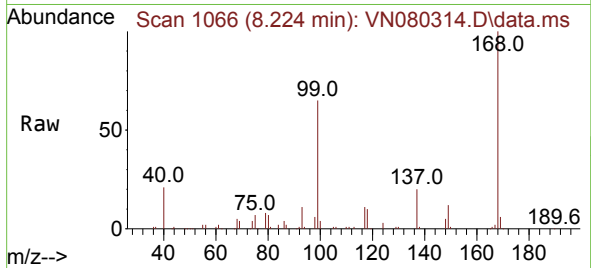




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

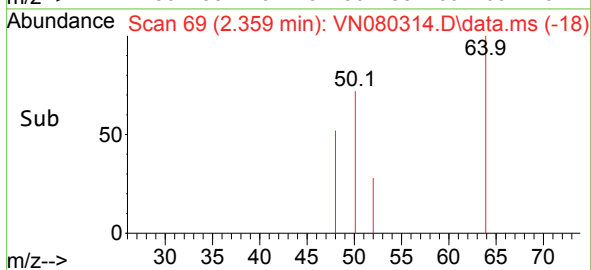
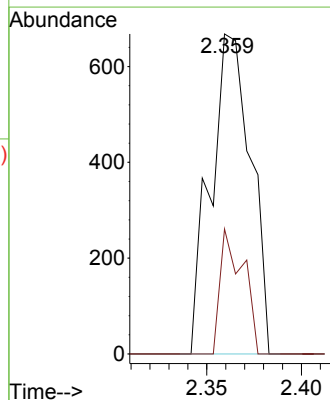
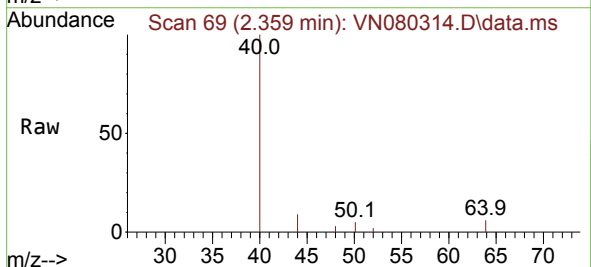
Instrument :
MSVOA_N
ClientSampleId :

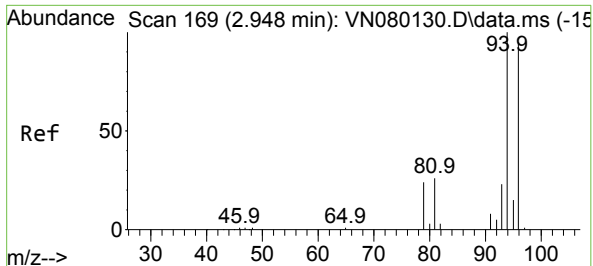
Tgt Ion:168 Resp: 165991
Ion Ratio Lower Upper
168 100
99 65.5 53.0 79.6



#3
Chloromethane
Concen: 0.531 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion: 50 Resp: 987
Ion Ratio Lower Upper
50 100
52 39.1 26.5 39.7

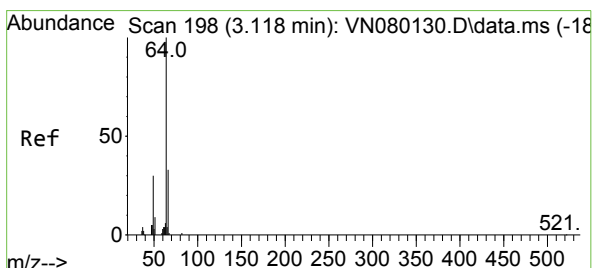
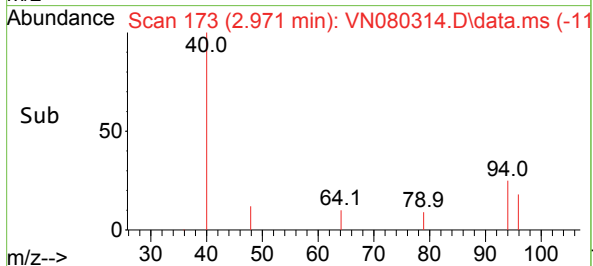
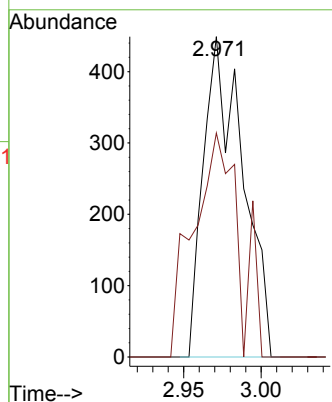
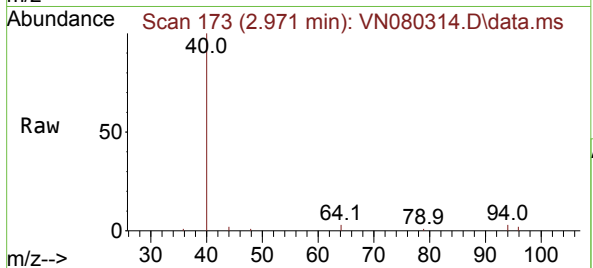




#5
Bromomethane
Concen: 0.591 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.023 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

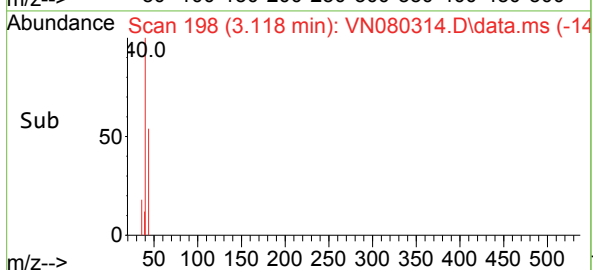
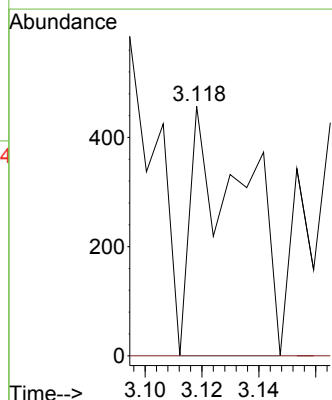
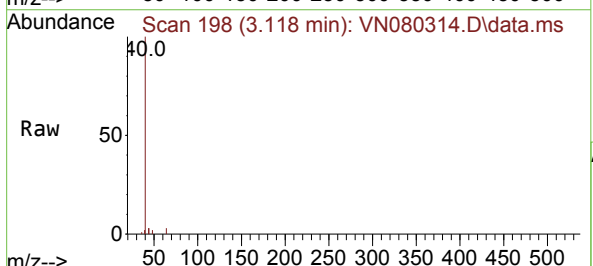
Instrument :
MSVOA_N
ClientSampleId :

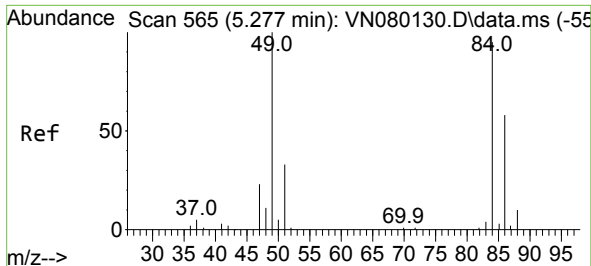
Tgt Ion: 94 Resp: 789
Ion Ratio Lower Upper
94 100
96 69.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

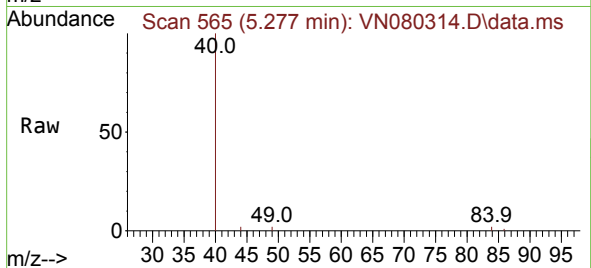
Tgt Ion: 64 Resp: 596
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





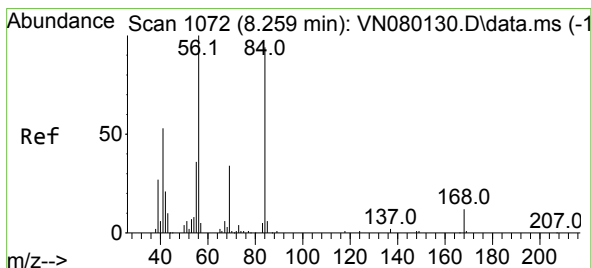
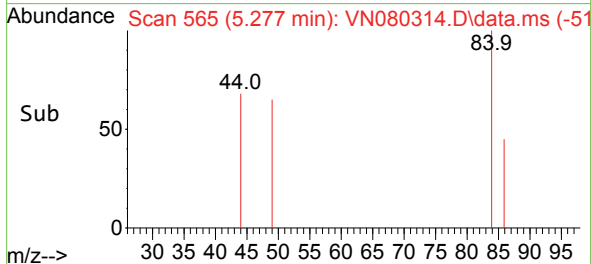
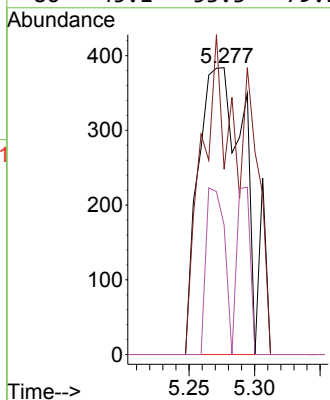
#20
Methylene Chloride
Concen: 0.507 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 977

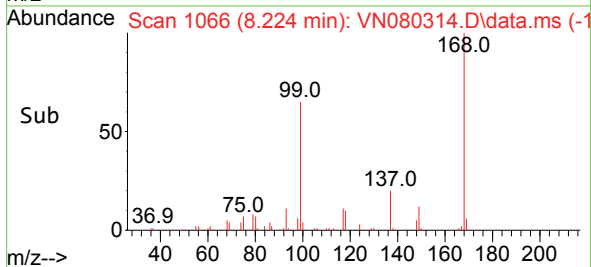
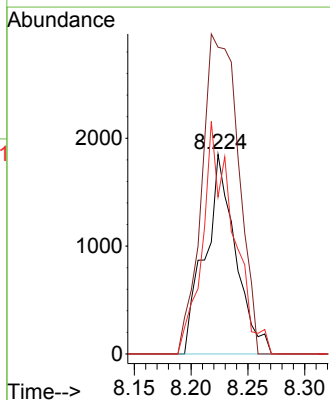
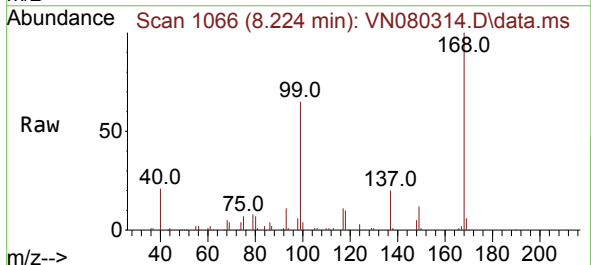
Ion	Ratio	Lower	Upper
84	100		
49	64.6	79.7	119.5#
51	0.0	25.2	37.8#
86	45.1	53.3	79.9#

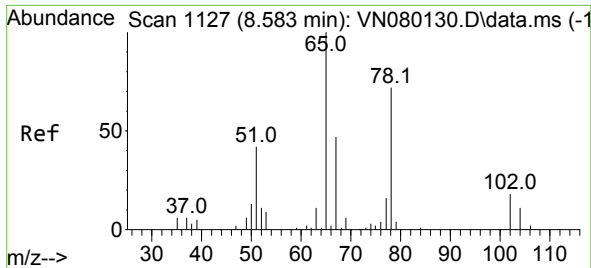


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion: 56 Resp: 3450

Ion	Ratio	Lower	Upper
56	100		
69	153.7	26.8	40.2#
84	78.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.838 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080314.D

Acq: 01 Dec 2023 10:51

Instrument :

MSVOA_N

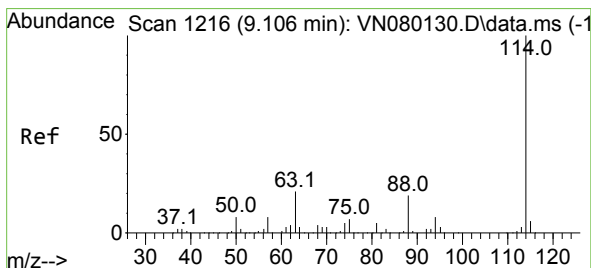
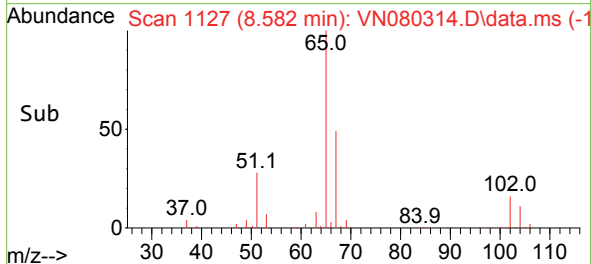
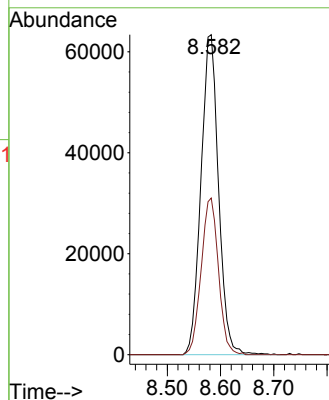
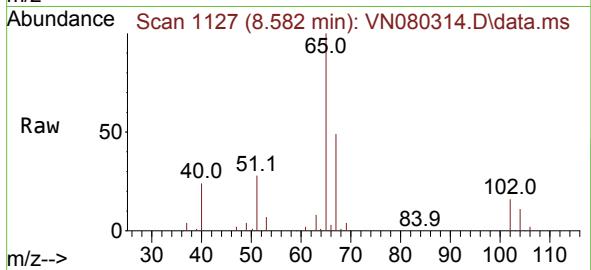
ClientSampleId :

Tgt Ion: 65 Resp: 144818

Ion Ratio Lower Upper

65 100

67 48.1 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: VN080314.D

Acq: 01 Dec 2023 10:51

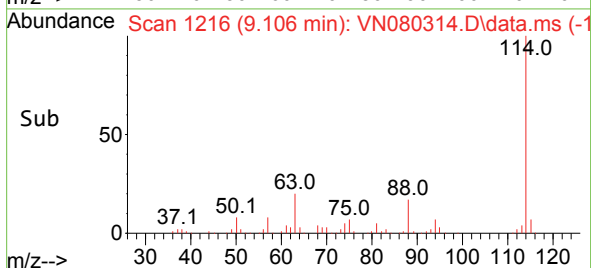
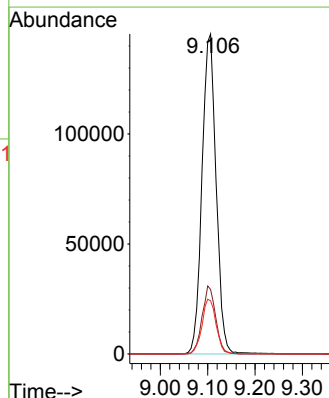
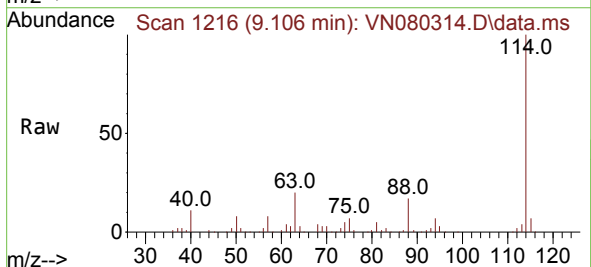
Tgt Ion: 114 Resp: 300647

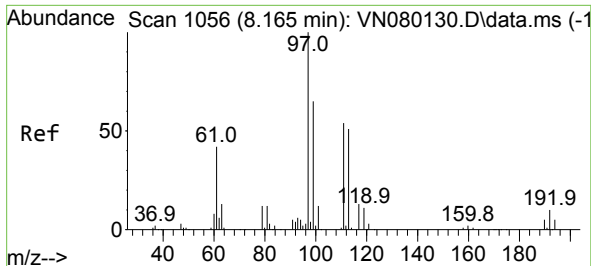
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

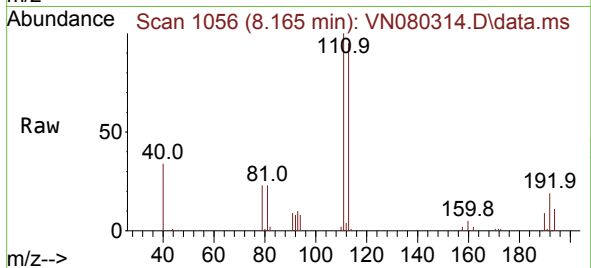
88 16.6 0.0 30.6



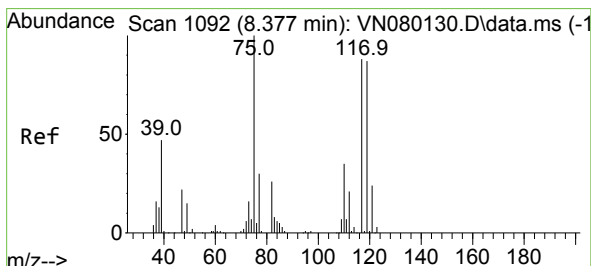
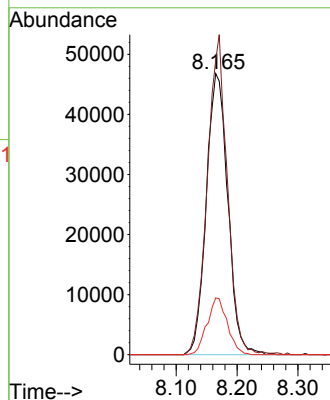
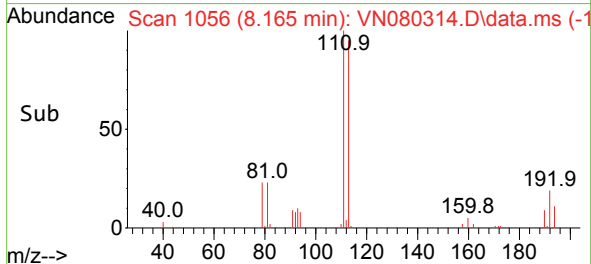


#35
Dibromofluoromethane
Concen: 51.823 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Instrument :
MSVOA_N
ClientSampleId :

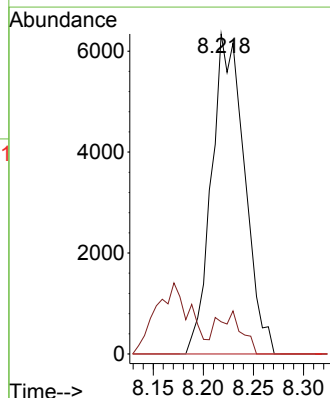
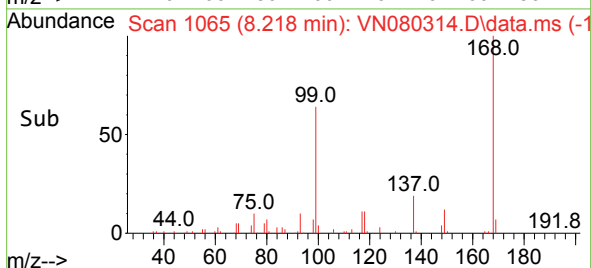
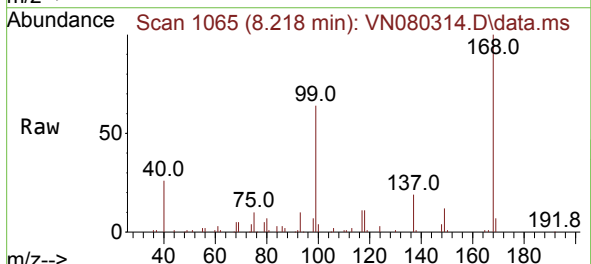


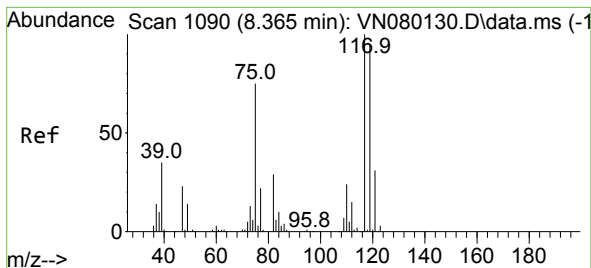
Tgt Ion:113 Resp: 114963
Ion Ratio Lower Upper
113 100
111 105.7 82.6 123.8
192 19.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.500 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion: 75 Resp: 14454
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.522 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

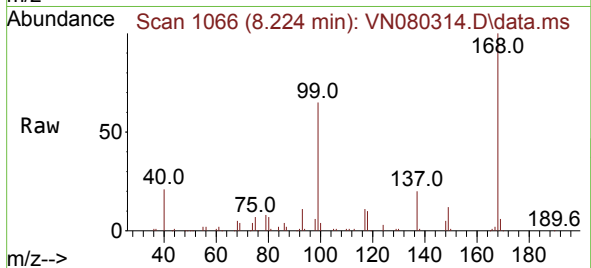
Lab File: VN080314.D

Acq: 01 Dec 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :



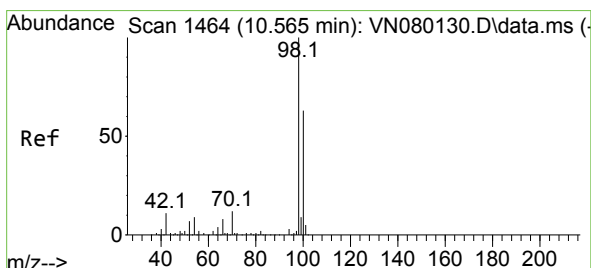
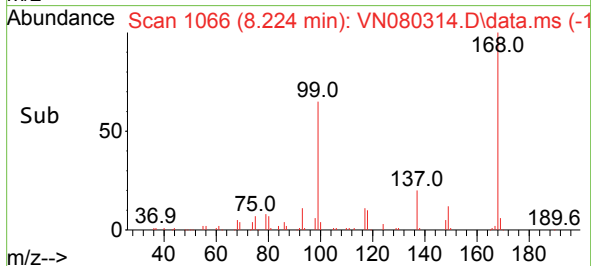
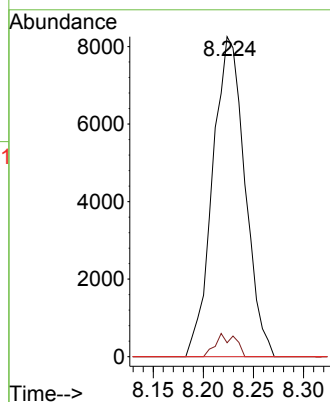
Tgt Ion:117 Resp: 18429

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.108 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080314.D

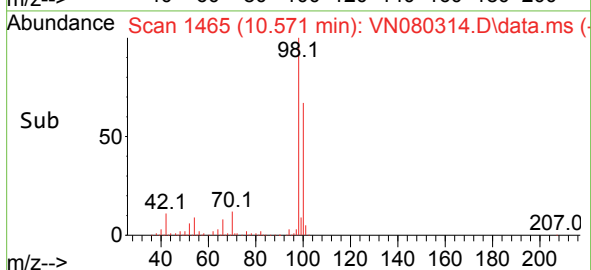
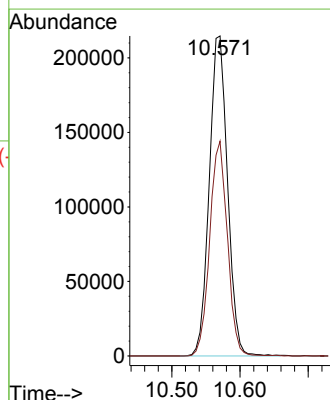
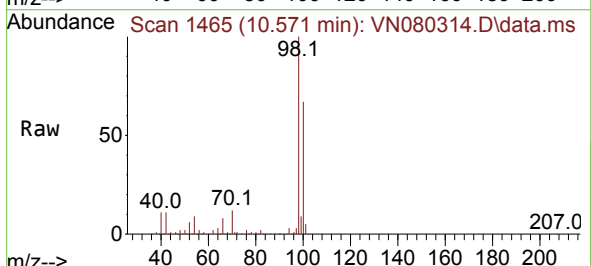
Acq: 01 Dec 2023 10:51

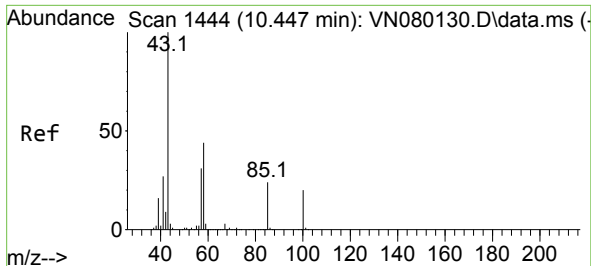
Tgt Ion: 98 Resp: 400704

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

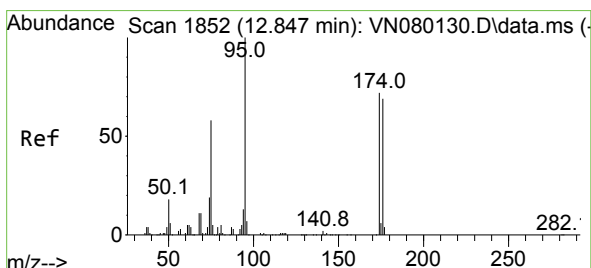
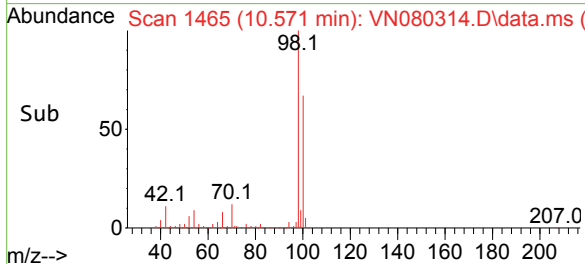
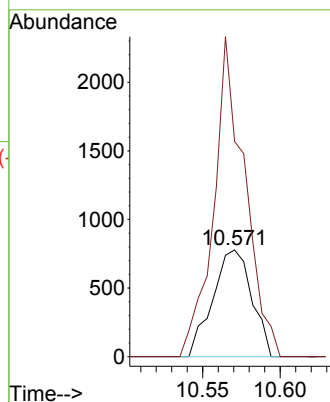
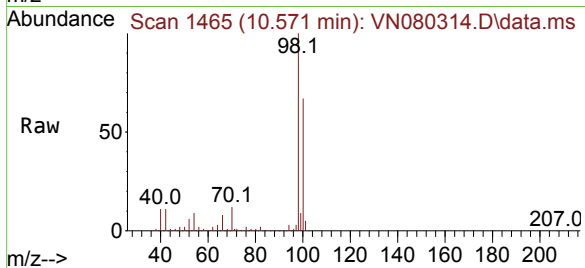




#51
4-Methyl-2-Pentanone
Concen: 0.607 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

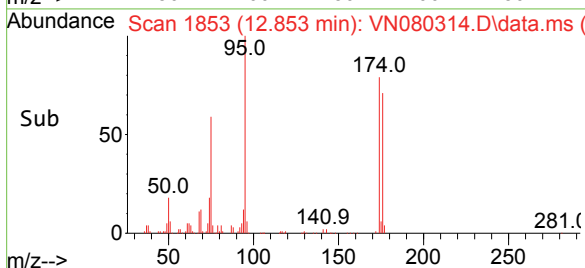
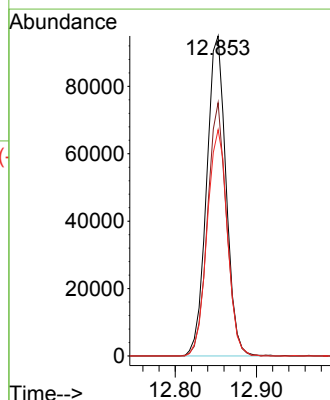
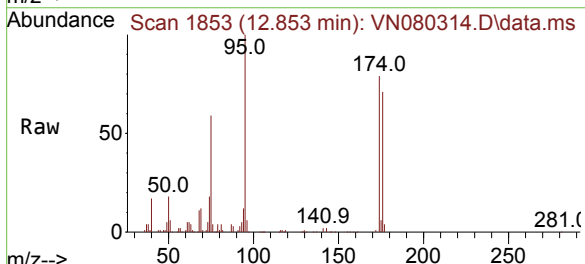
Instrument :
MSVOA_N
ClientSampleId :

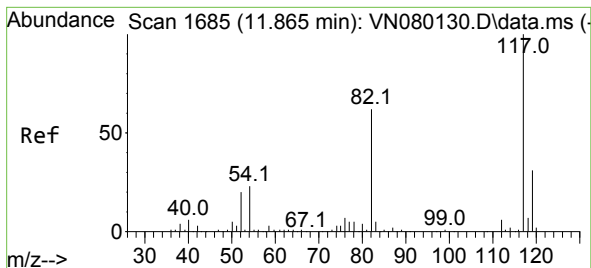
Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 238.3 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 52.138 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion: 95 Resp: 157483
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 73.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080314.D

Acq: 01 Dec 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

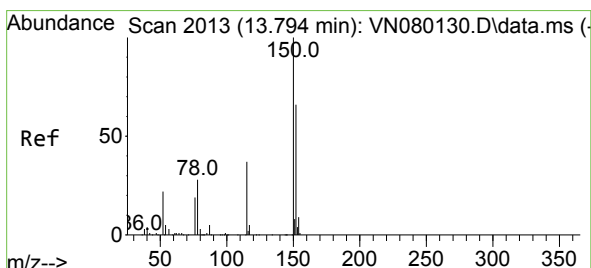
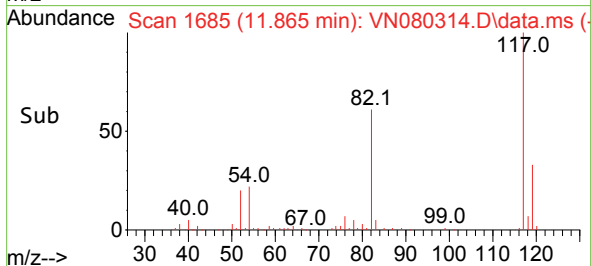
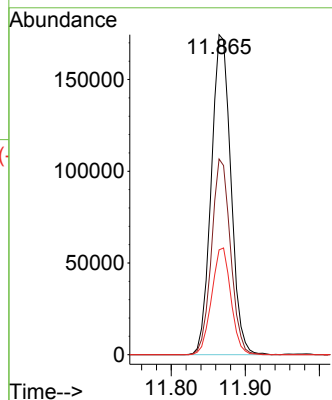
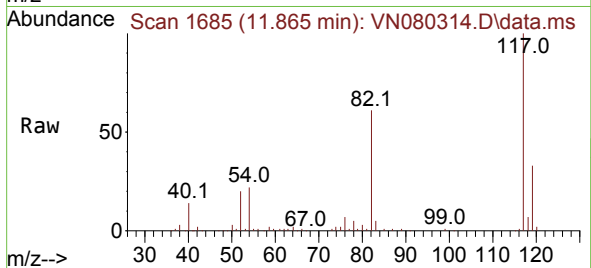
Tgt Ion:117 Resp: 320166

Ion Ratio Lower Upper

117 100

82 61.2 44.0 66.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080314.D

Acq: 01 Dec 2023 10:51

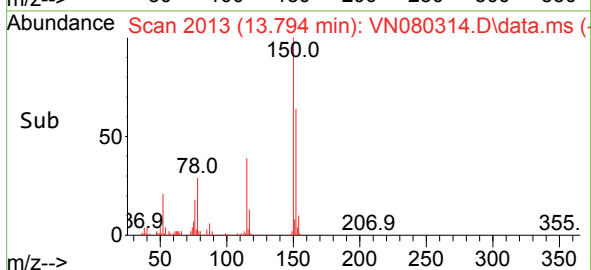
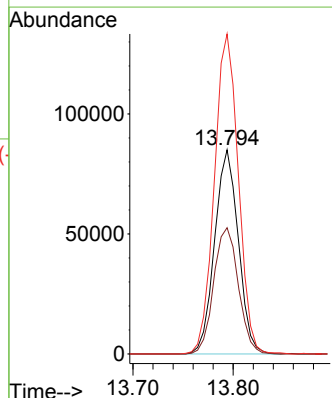
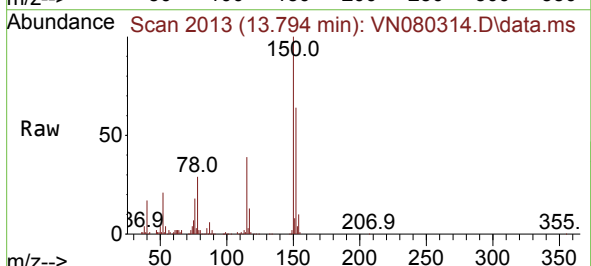
Tgt Ion:152 Resp: 139526

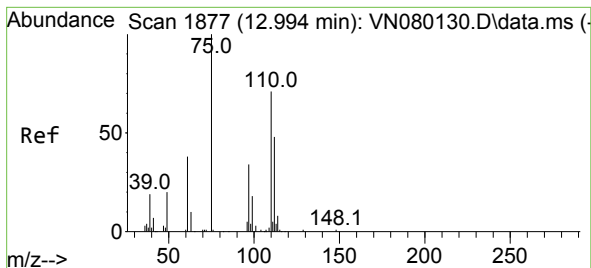
Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 158.5 0.0 355.8

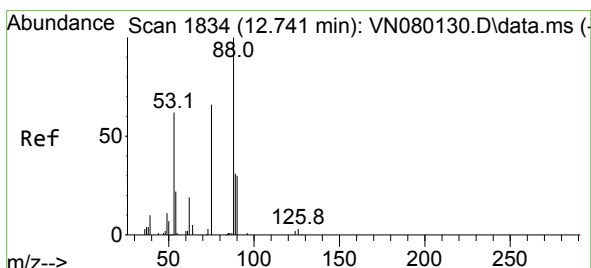
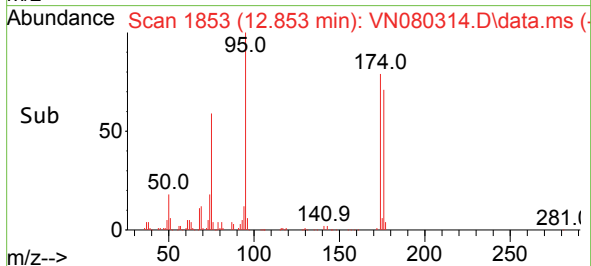
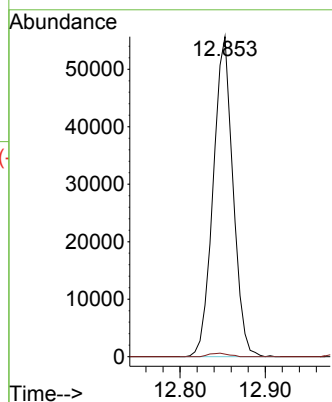
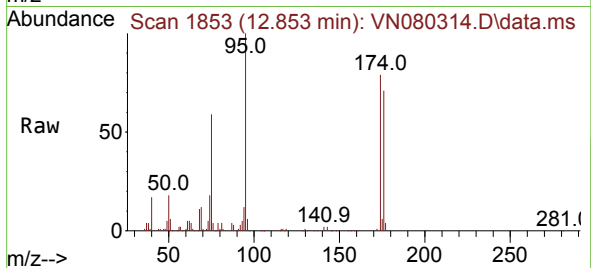




#76
1,2,3-Trichloropropane
Concen: 26.370 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

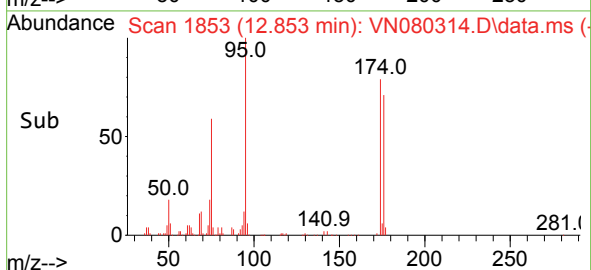
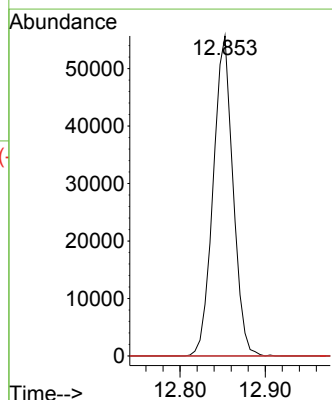
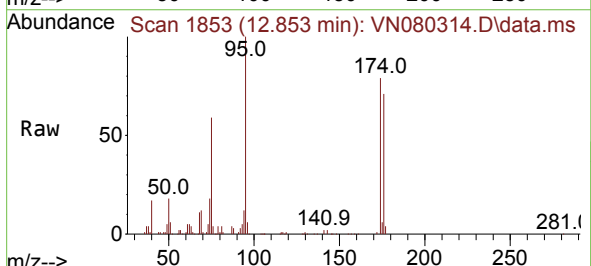
Instrument :
MSVOA_N
ClientSampleId :

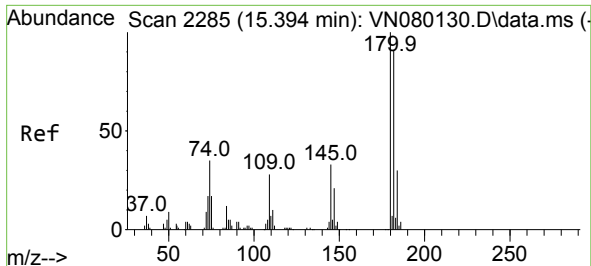
Tgt Ion: 75 Resp: 90150
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.094 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion: 75 Resp: 90150
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

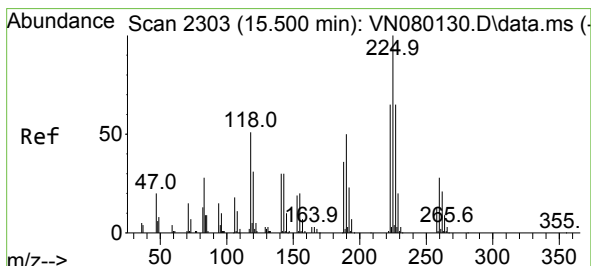
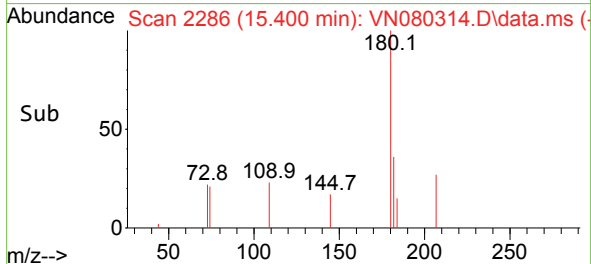
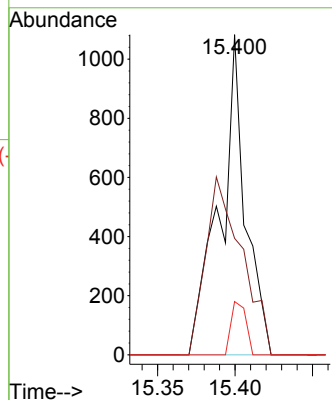
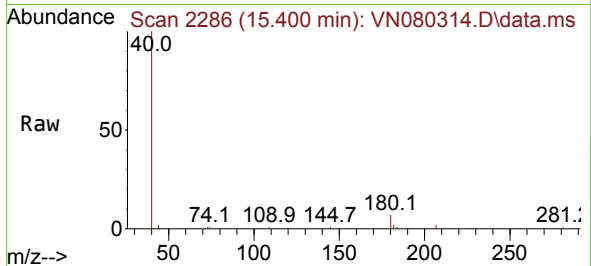




#93
1,2,4-Trichlorobenzene
Concen: 0.452 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

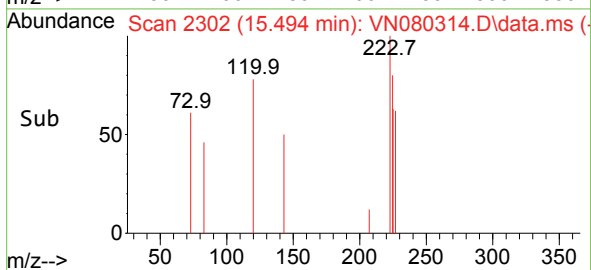
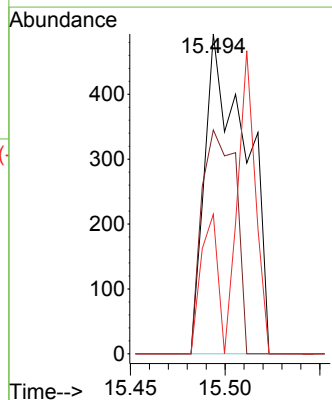
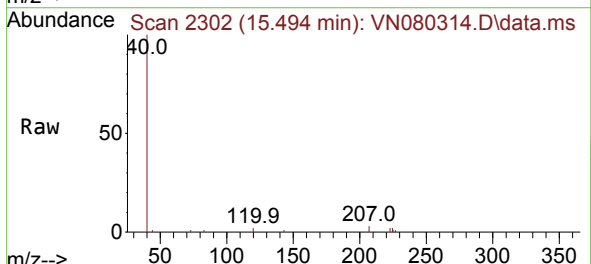
Instrument :
MSVOA_N
ClientSampleId :

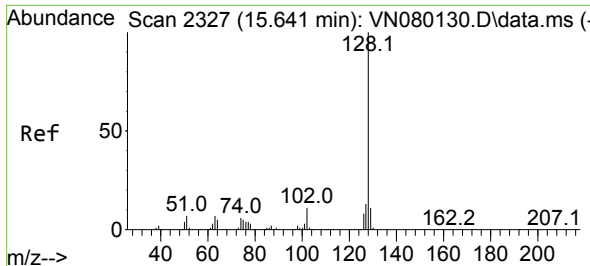
Tgt Ion:180 Resp: 1239
Ion Ratio Lower Upper
180 100
182 78.6 46.1 138.2
145 9.6 16.6 49.8#



#94
Hexachlorobutadiene
Concen: 0.470 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

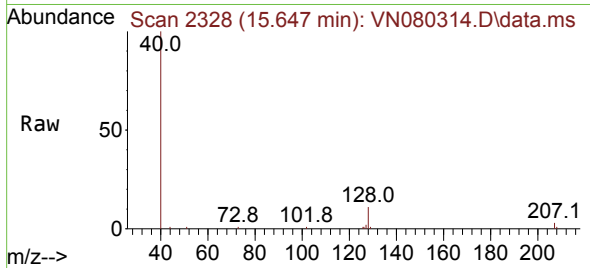
Tgt Ion:225 Resp: 741
Ion Ratio Lower Upper
225 100
223 58.0 31.3 93.8
227 17.9 31.9 95.9#



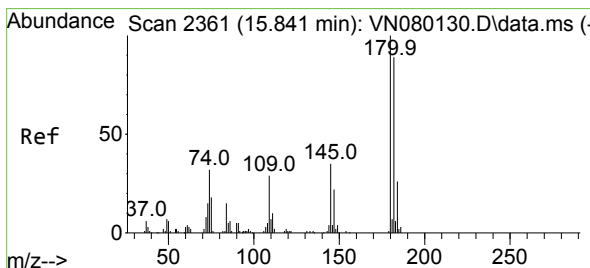
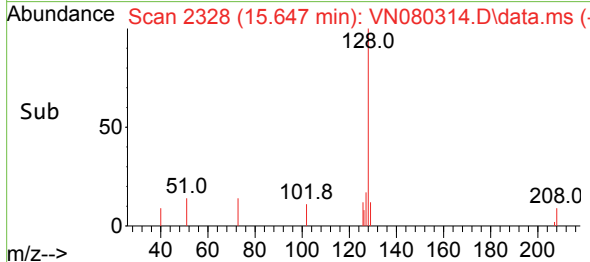
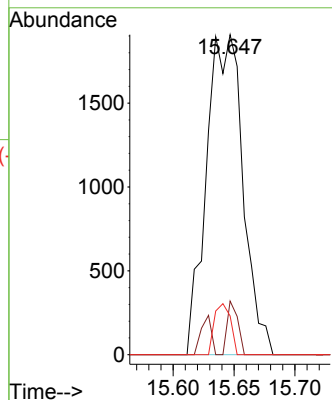


#95
Naphthalene
Concen: 0.502 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3992
Ion Ratio Lower Upper
128 100
127 4.8 10.0 15.0#
129 7.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.353 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN080314.D
Acq: 01 Dec 2023 10:51

Tgt Ion:180 Resp: 906
Ion Ratio Lower Upper
180 100
182 126.7 46.2 138.6
145 8.7 17.5 52.6#

