

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081089.D
 Acq On : 20 Feb 2024 11:23
 Operator : JC\MD
 Sample : VN0220WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBL01

Quant Time: Feb 21 00:18:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

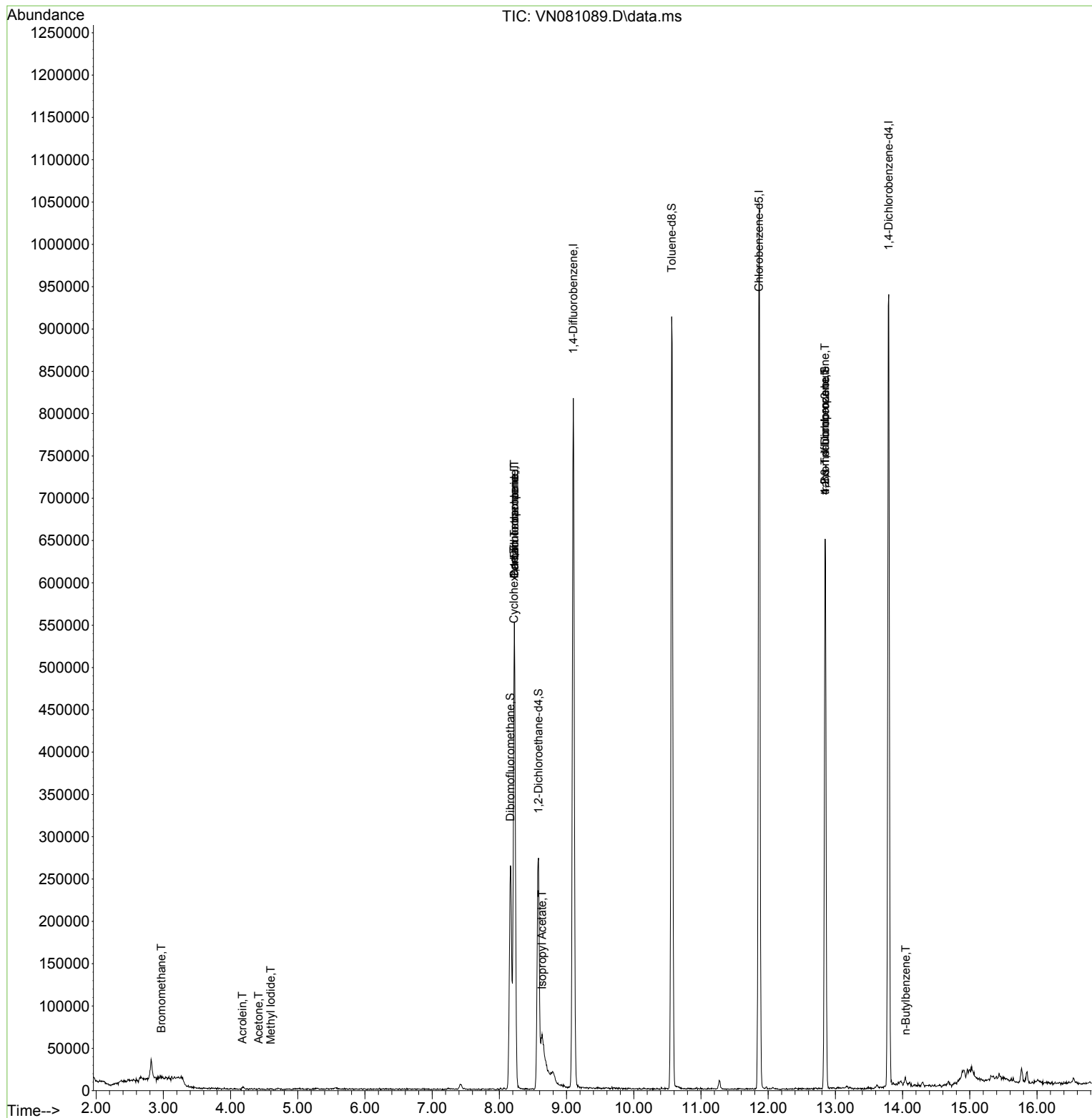
Internal Standards						
1) Pentafluorobenzene	8.224	168	377795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	715049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	597803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	225548	48.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	8.165	113	189519	46.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.740%		
50) Toluene-d8	10.565	98	640083	44.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.847	95	235091	43.566	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.140%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	2027	Below Cal		94
5) Bromomethane	2.971	94	989	0.257 ug/l #		23
6) Chloroethane	3.112	64	311	Below Cal #		1
10) Methyl Iodide	4.600	142	1514	0.307 ug/l #		39
13) Acrolein	4.177	56	1239	2.714 ug/l #		53
16) Acetone	4.418	43	1292	0.709 ug/l #		44
20) Methylene Chloride	5.283	84	656	Below Cal #		72
31) Cyclohexane	8.218	56	9257	1.158 ug/l #		1
36) 1,1-Dichloropropene	8.224	75	32976	4.760 ug/l #		52
38) Carbon Tetrachloride	8.224	117	42068	6.002 ug/l #		17
43) Isopropyl Acetate	8.635	43	95884	8.769 ug/l #		57
49) 1,4-Dioxane	9.688	88	95	Below Cal #		73
76) 1,2,3-Trichloropropane	12.847	75	121718	21.270 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	121718	54.747 ug/l #		14
89) n-Butylbenzene	14.047	91	3321	0.214 ug/l #		36

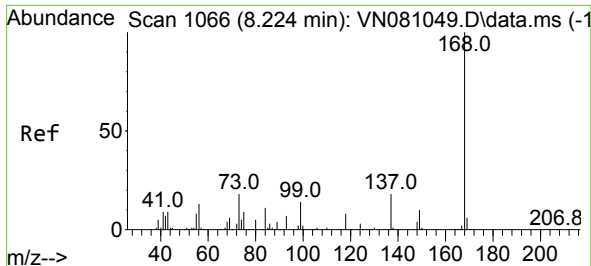
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

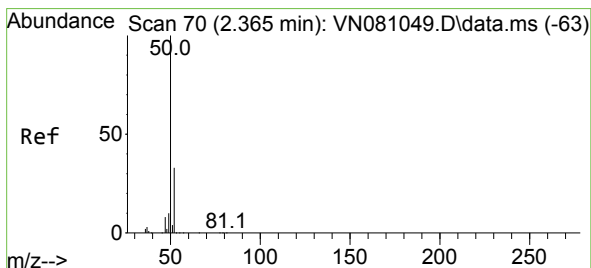
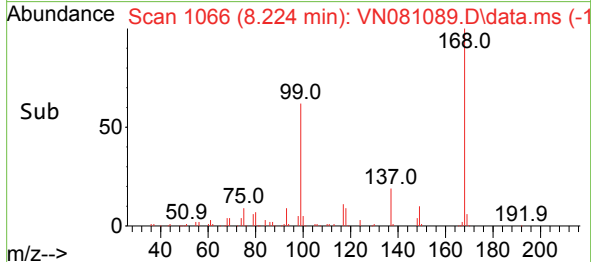
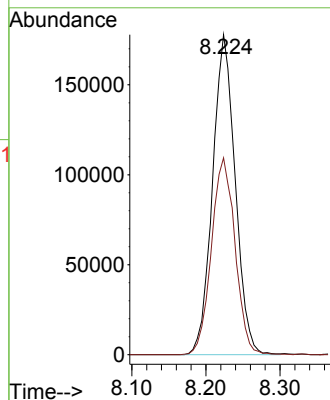
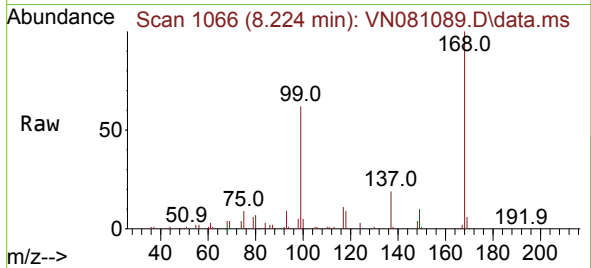




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

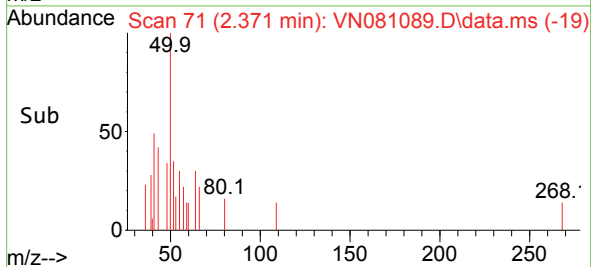
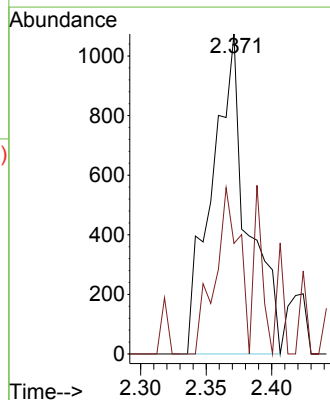
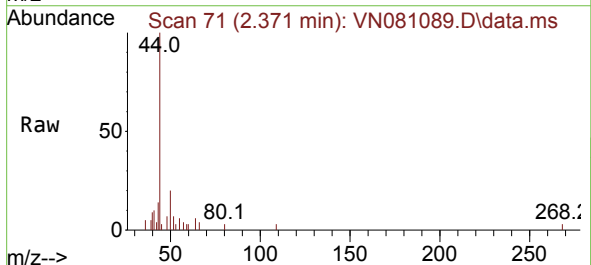
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

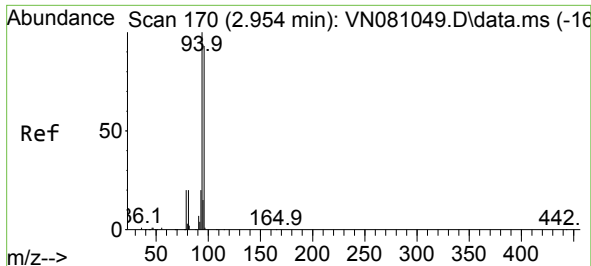
Tgt Ion:168 Resp: 377795
Ion Ratio Lower Upper
168 100
99 61.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 50 Resp: 2027
Ion Ratio Lower Upper
50 100
52 34.5 25.0 37.4

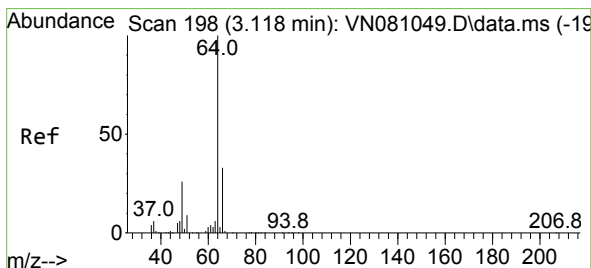
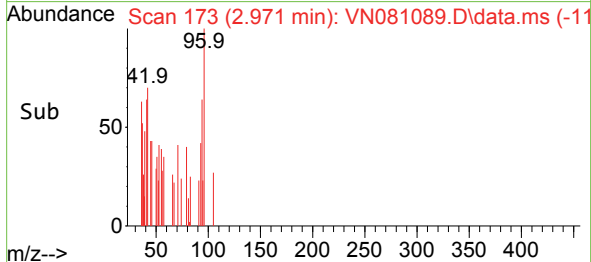
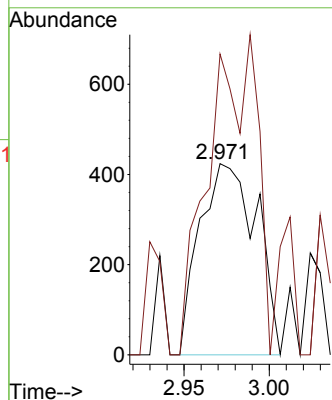
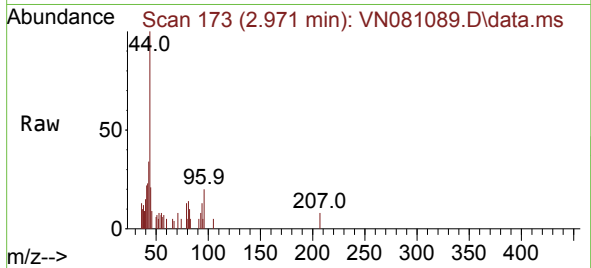




#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

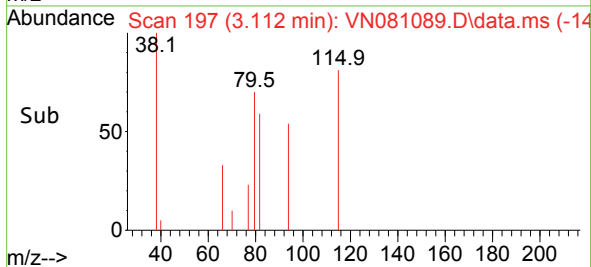
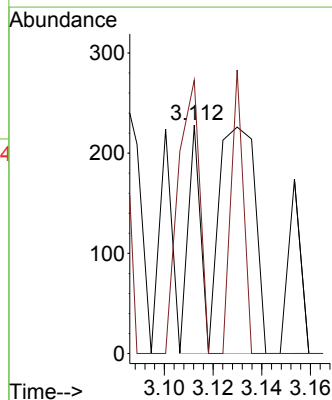
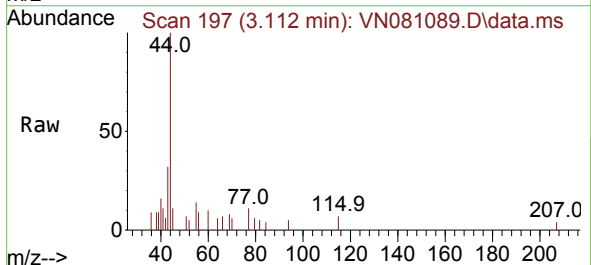
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

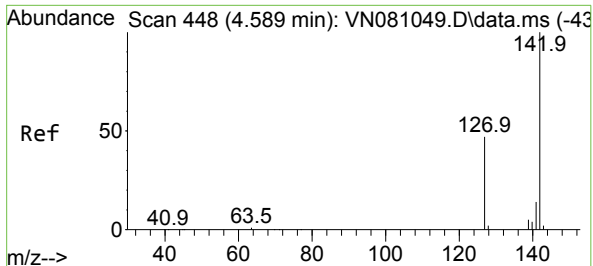
Tgt Ion: 94 Resp: 989
Ion Ratio Lower Upper
94 100
96 157.3 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

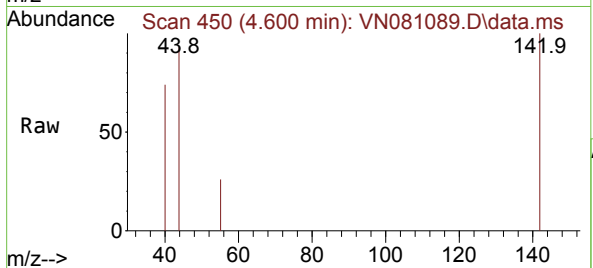
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 119.7 26.4 39.6#



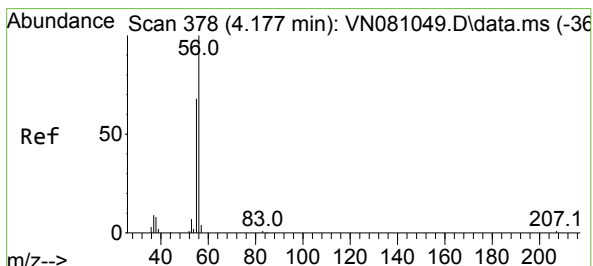
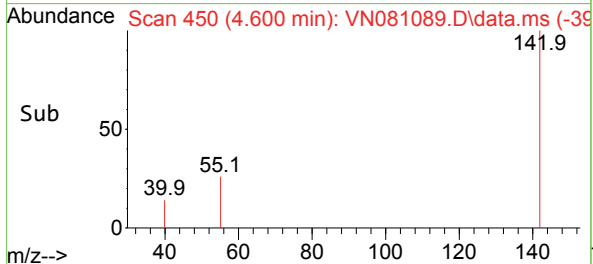
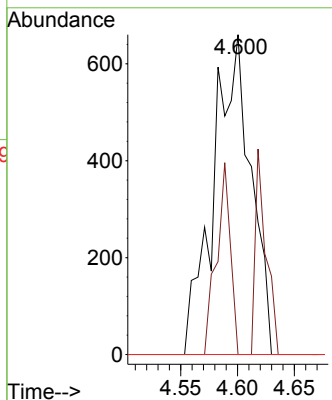


#10
Methyl Iodide
Concen: 0.307 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

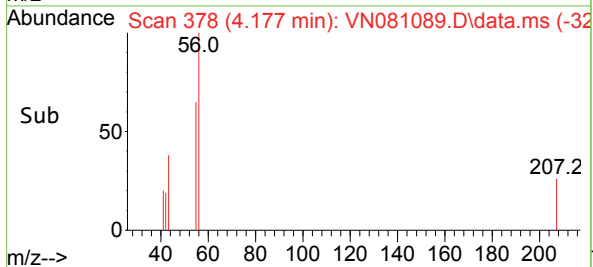
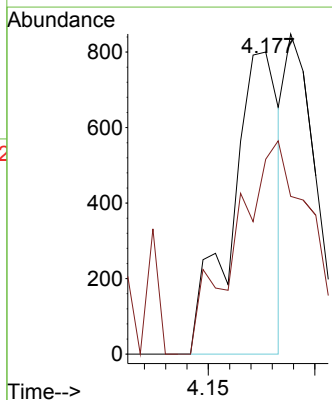
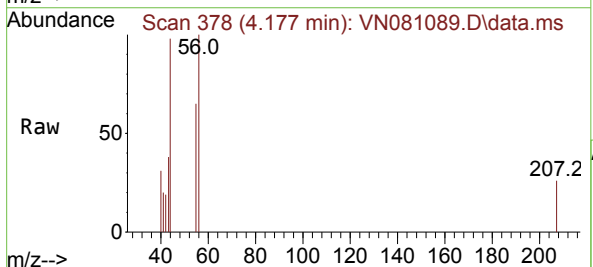


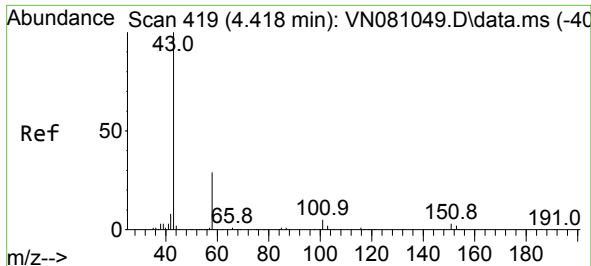
Tgt Ion:142 Resp: 1514
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 2.714 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 56 Resp: 1239
Ion Ratio Lower Upper
56 100
55 107.5 55.3 82.9#

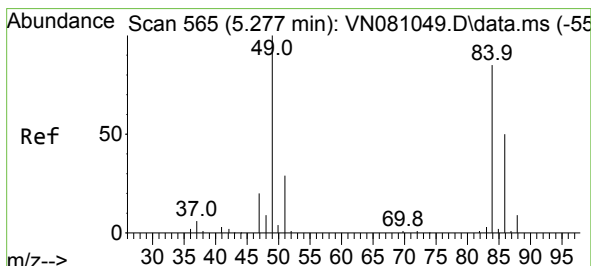
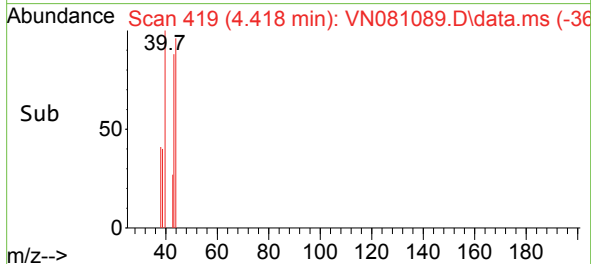
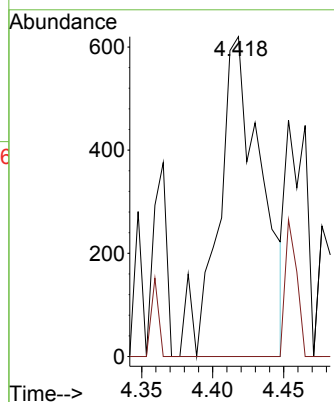
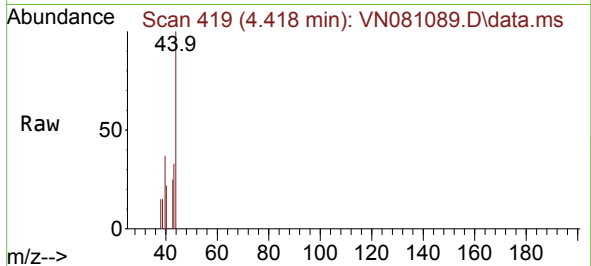




#16
Acetone
Concen: 0.709 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

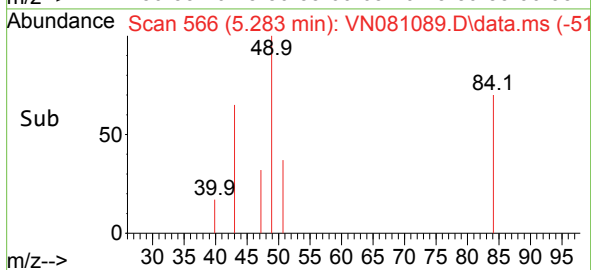
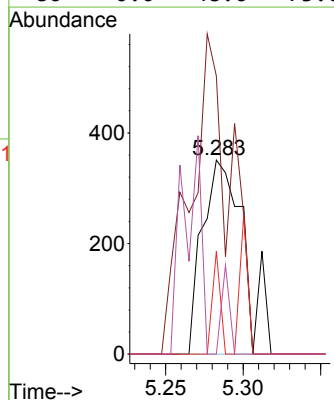
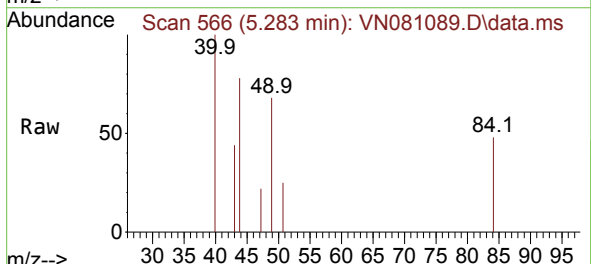
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

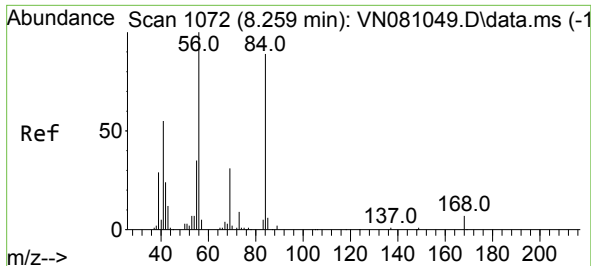
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 84 Resp: 656
Ion Ratio Lower Upper
84 100
49 143.3 108.1 162.1
51 53.0 32.9 49.3#
86 0.0 48.6 73.0#

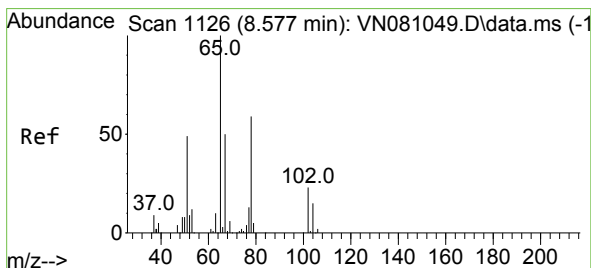
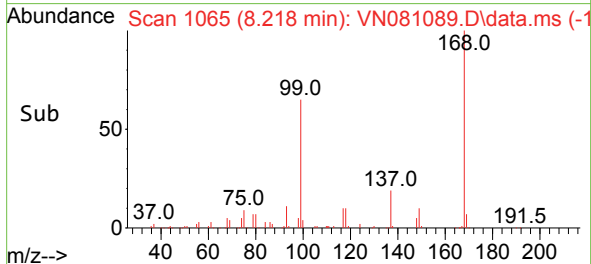
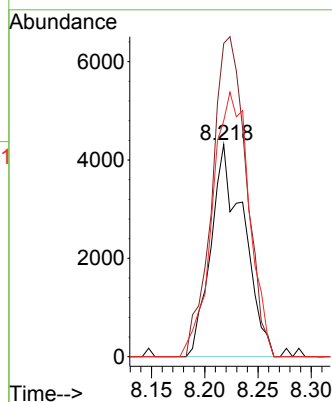
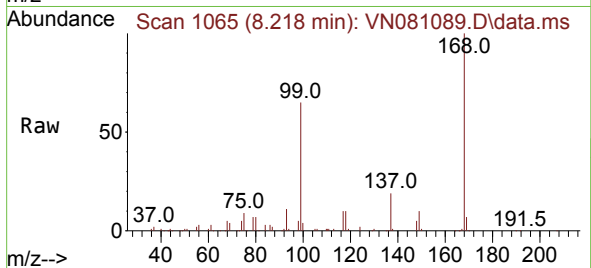




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

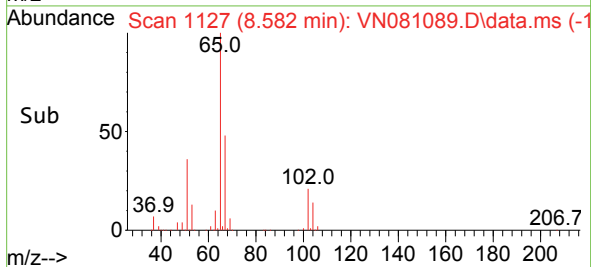
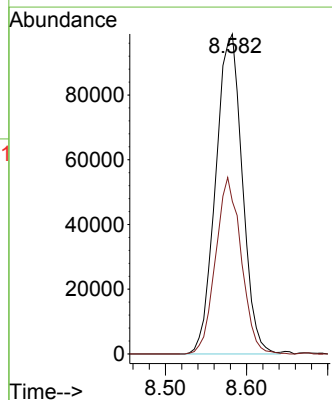
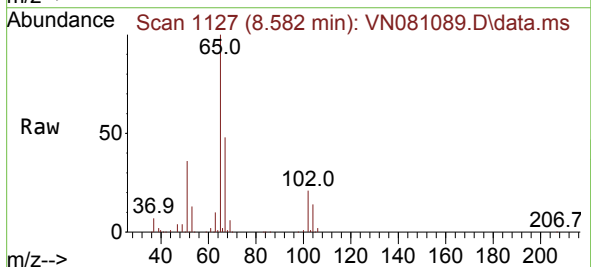
Instrument :
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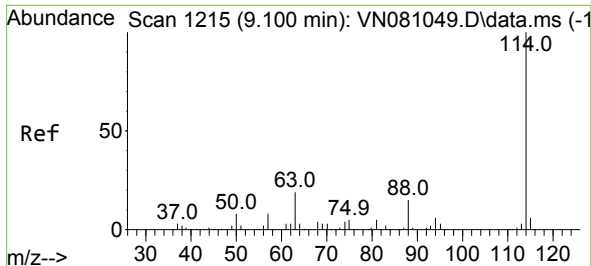
Tgt Ion: 56 Resp: 9257
Ion Ratio Lower Upper
56 100
69 147.7 20.1 30.1#
84 111.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.707 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 65 Resp: 225548
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.4

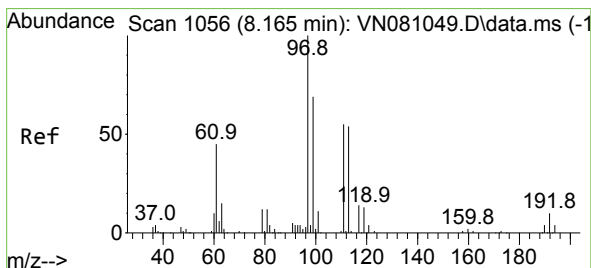
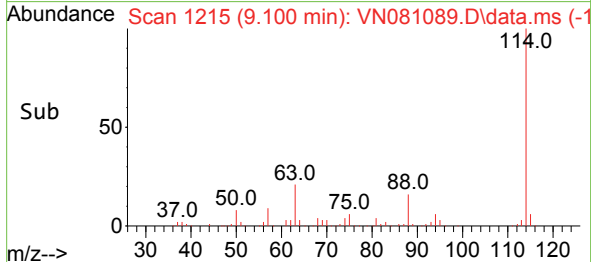
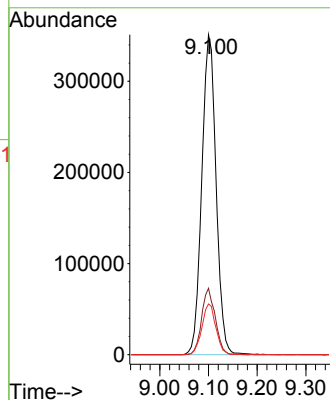
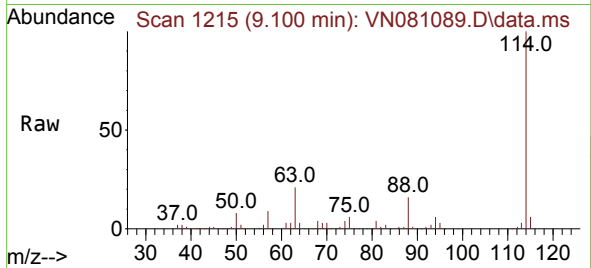




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

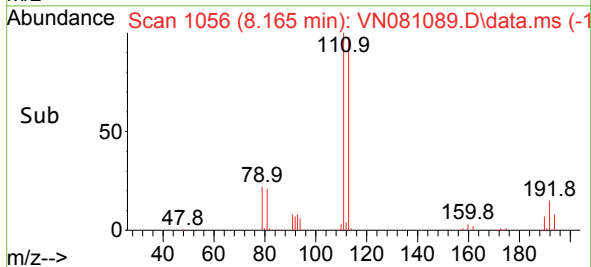
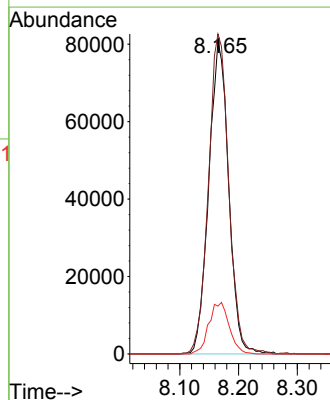
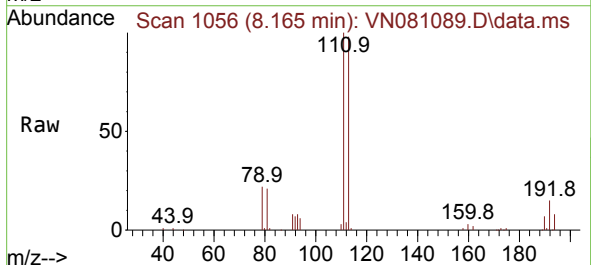
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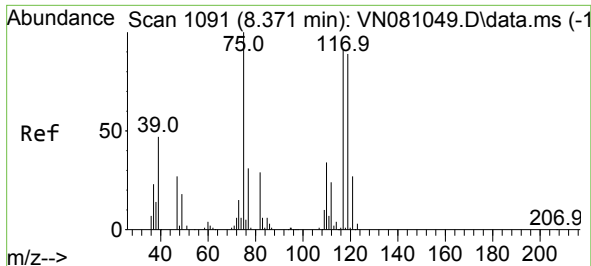
Tgt Ion:114 Resp: 715049
Ion Ratio Lower Upper
114 100
63 20.8 0.0 48.0
88 15.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 46.871 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion:113 Resp: 189519
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 16.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081089.D

Acq: 20 Feb 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBL01

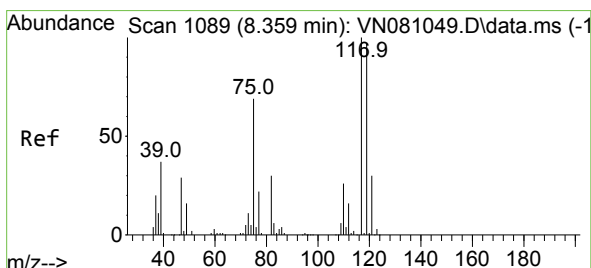
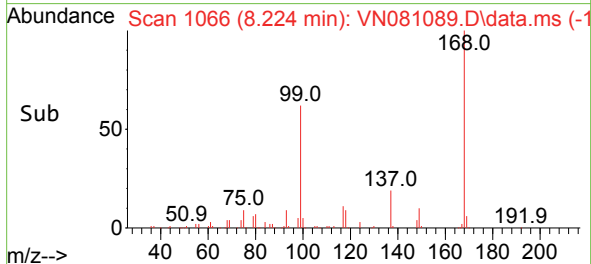
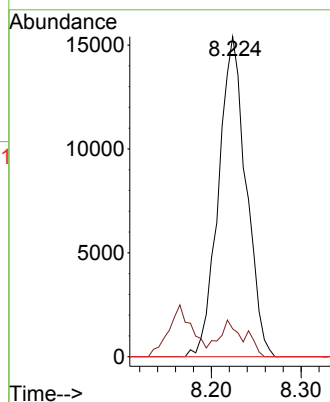
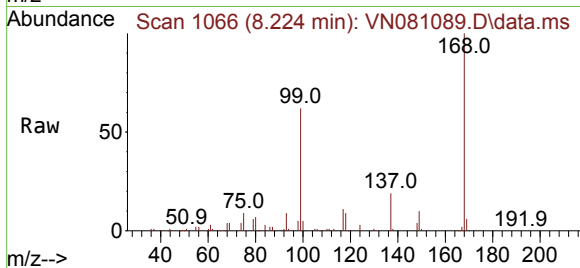
Tgt Ion: 75 Resp: 32976

Ion Ratio Lower Upper

75 100

110 10.5 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081089.D

Acq: 20 Feb 2024 11:23

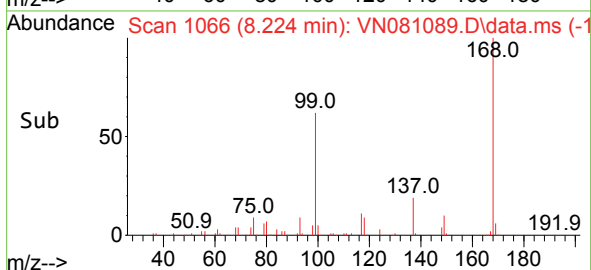
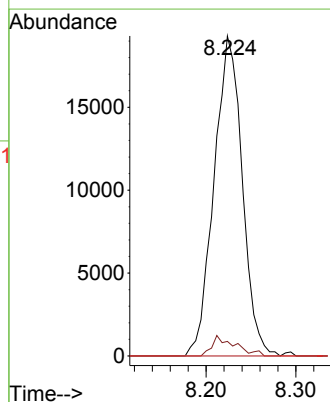
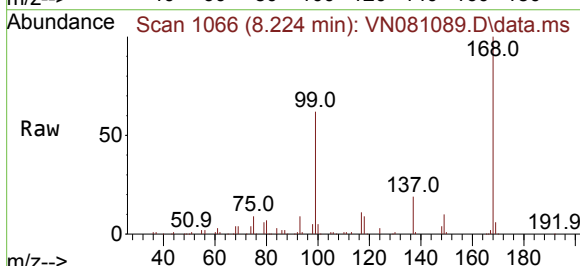
Tgt Ion: 117 Resp: 42068

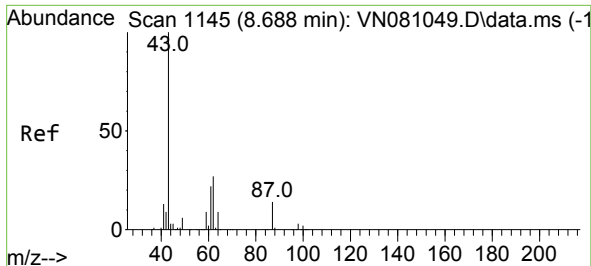
Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

121 0.0 24.4 36.6#

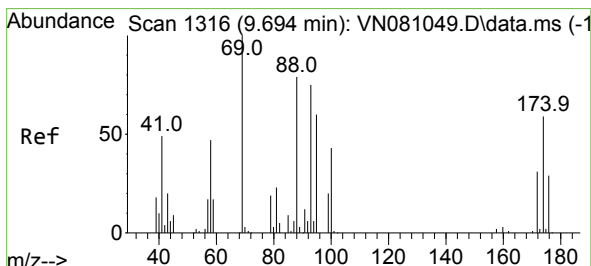
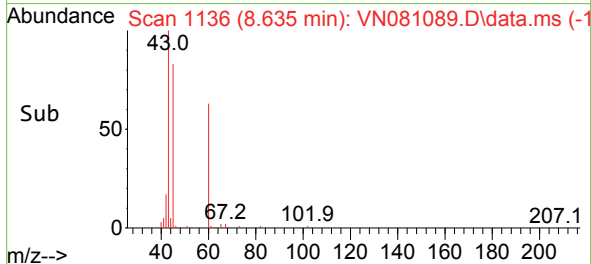
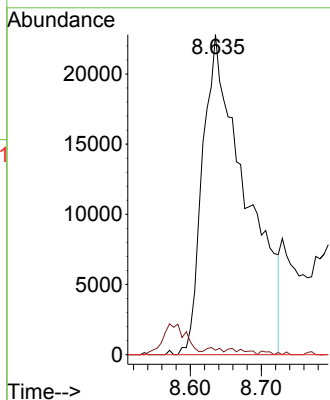
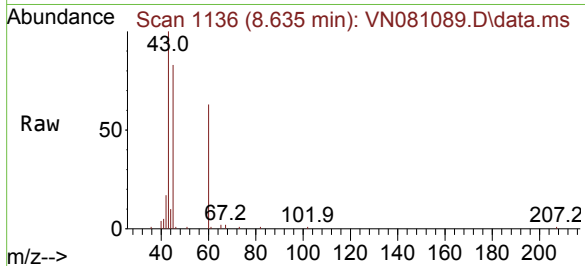




#43
Isopropyl Acetate
Concen: 8.769 ug/l
RT: 8.635 min Scan# 1136
Delta R.T. -0.053 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

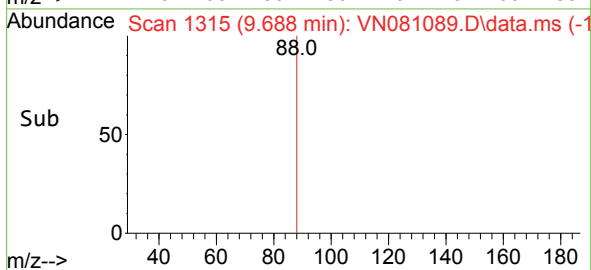
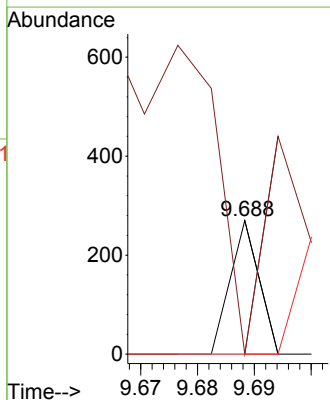
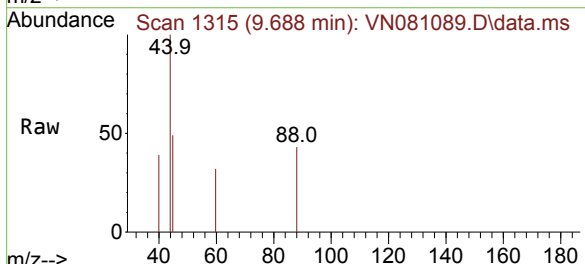
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

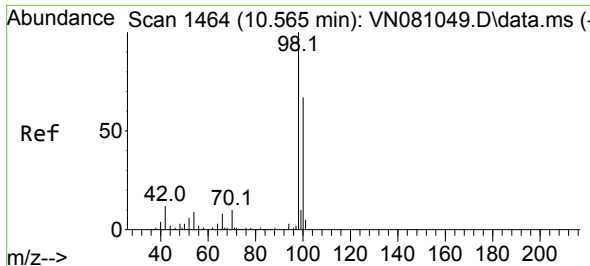
Tgt Ion: 43 Resp: 95884
Ion Ratio Lower Upper
43 100
61 0.4 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 88.4 63.9 95.9

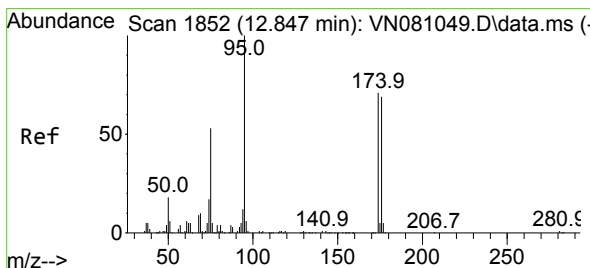
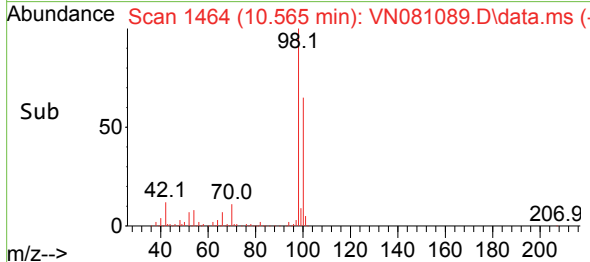
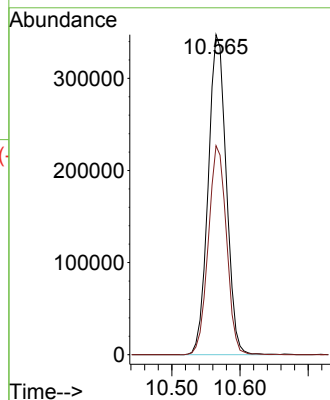
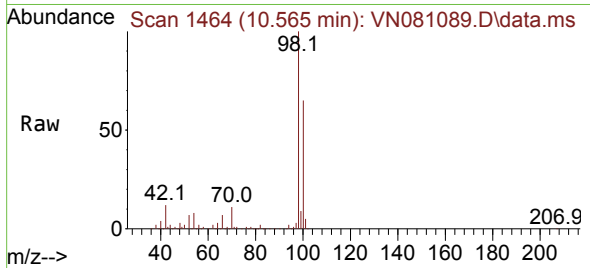




#50
Toluene-d8
Concen: 44.571 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

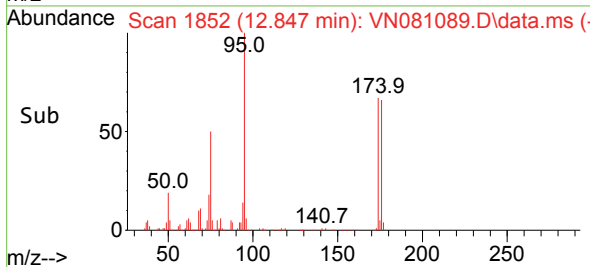
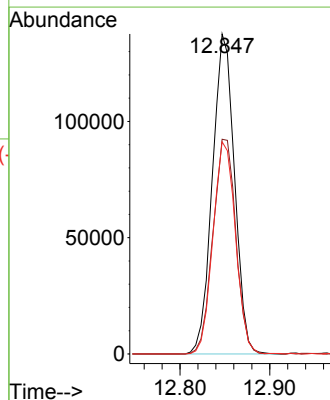
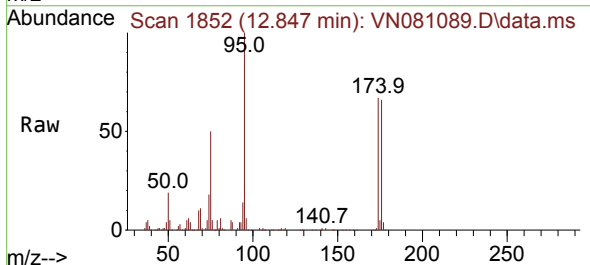
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

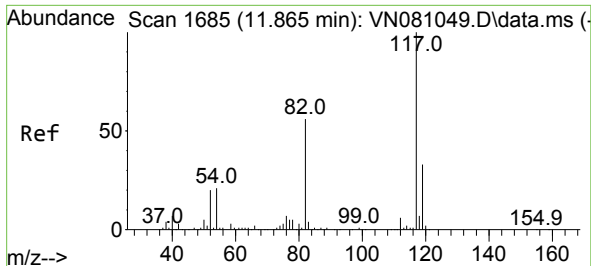
Tgt Ion: 98 Resp: 640083
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion: 95 Resp: 235091
Ion Ratio Lower Upper
95 100
174 69.6 0.0 120.4
176 67.6 0.0 121.0

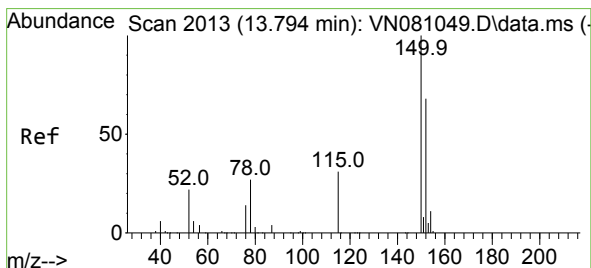
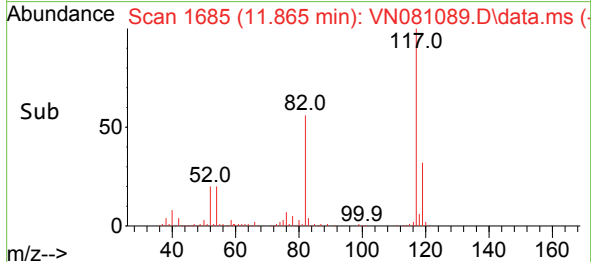
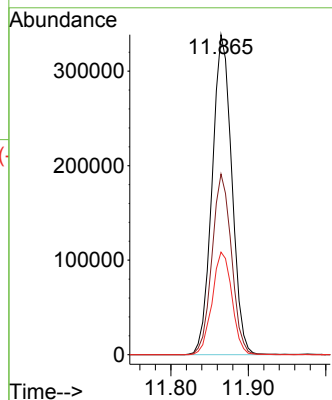
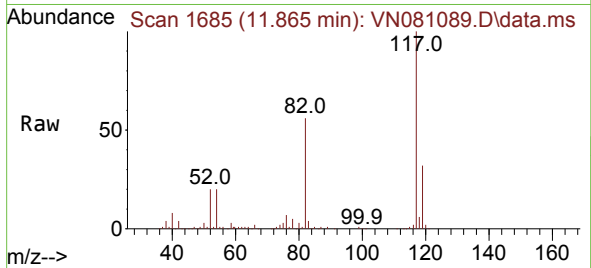




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

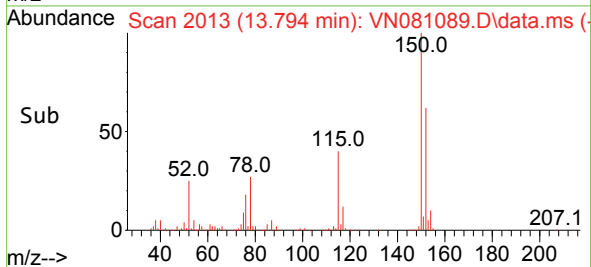
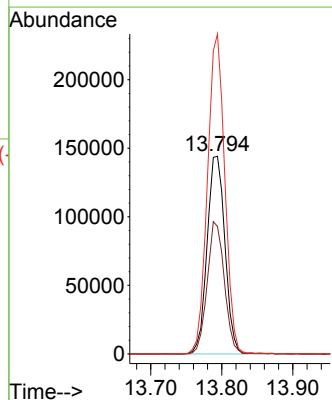
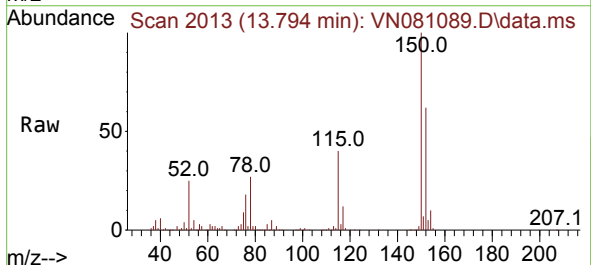
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

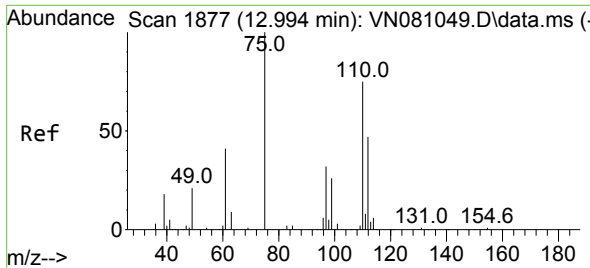
Tgt Ion:117 Resp: 597803
Ion Ratio Lower Upper
117 100
82 56.5 52.7 79.1
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

Tgt Ion:152 Resp: 251865
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 157.4 0.0 339.8

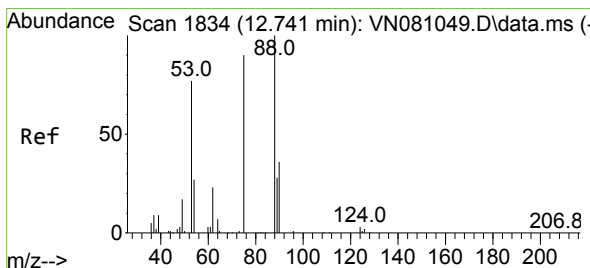
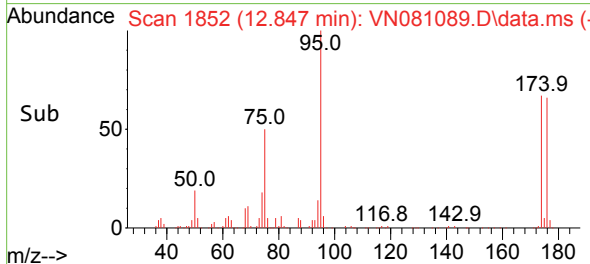
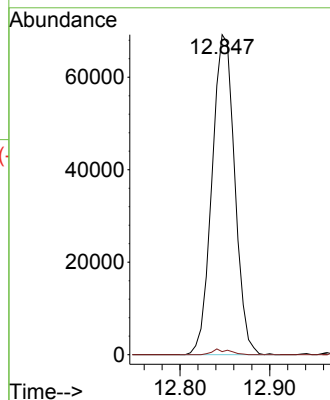
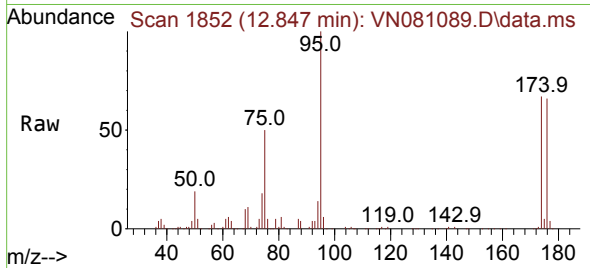




#76
1,2,3-Trichloropropane
Concen: 21.270 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

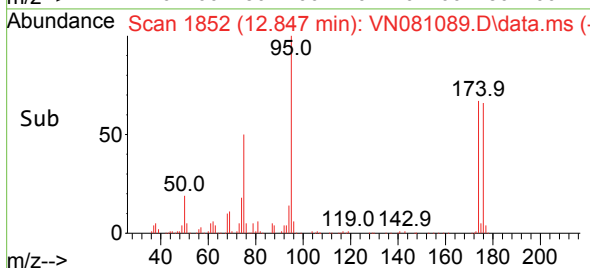
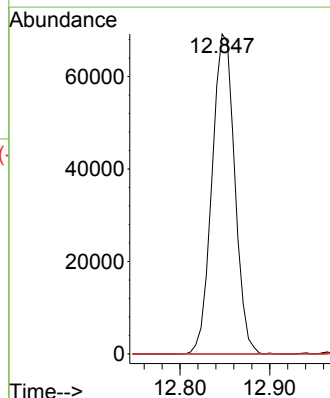
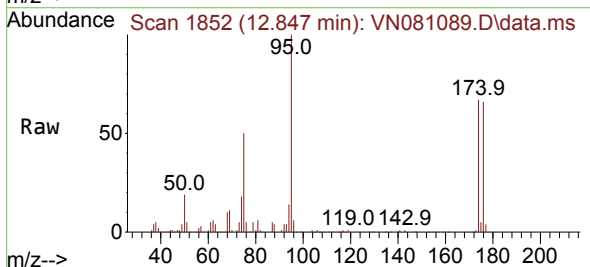
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

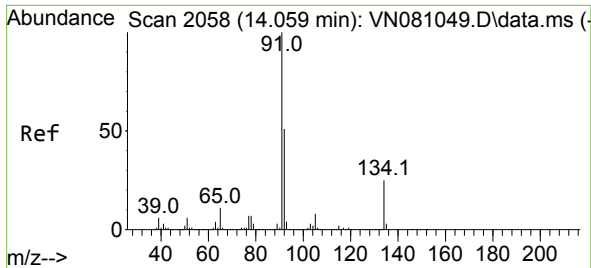
Tgt Ion: 75 Resp: 121718
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081089.D
Acq: 20 Feb 2024 11:23

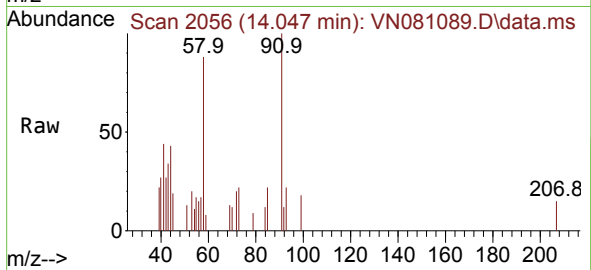
Tgt Ion: 75 Resp: 121718
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#89
 n-Butylbenzene
 Concen: 0.214 ug/l
 RT: 14.047 min Scan# 2056
 Delta R.T. -0.012 min
 Lab File: VN081089.D
 Acq: 20 Feb 2024 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBL01



Tgt Ion: 91	Resp:	3321
Ion	Ratio	Lower Upper
91	100	
92	2.5	26.7 80.1#
134	0.0	10.8 32.4#

