

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081200.D
 Acq On : 26 Feb 2024 17:16
 Operator : JC\MD
 Sample : P1533-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20240219

Quant Time: Feb 27 00:13:45 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

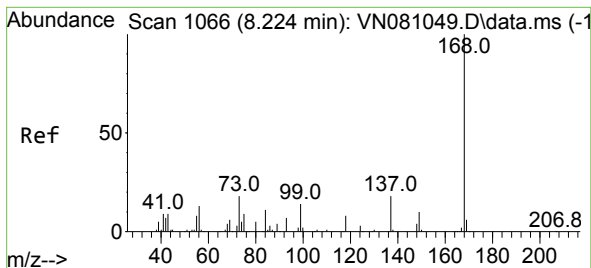
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	364094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	577273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	241990	54.224	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	8.165	113	188918	49.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.571	98	749995	54.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.740%			
62) 4-Bromofluorobenzene	12.853	95	241384	46.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1161	Below Cal		89
5) Bromomethane	2.959	94	1017	0.274 ug/l #		72
6) Chloroethane	3.124	64	151	Below Cal #		42
9) 1,1,2-Trichlorotrifluo...	4.377	101	2238	0.525 ug/l #		63
12) 1,1-Dichloroethene	4.353	96	2900	0.704 ug/l #		55
13) Acrolein	4.189	56	856	1.946 ug/l #		15
16) Acetone	4.436	43	5088	2.897 ug/l		93
20) Methylene Chloride	5.289	84	1147	Below Cal #		77
27) cis-1,2-Dichloroethene	7.488	96	3559	0.667 ug/l		75
30) Chloroform	7.965	83	2060	0.242 ug/l #		75
31) Cyclohexane	8.224	56	10485	1.361 ug/l #		1
36) 1,1-Dichloropropene	8.224	75	33474	5.077 ug/l #		51
38) Carbon Tetrachloride	8.359	117	6448	0.967 ug/l #		90
39) Methylcyclohexane	9.359	83	4345	0.565 ug/l #		1
43) Isopropyl Acetate	8.677	43	2949	0.283 ug/l #		57
44) Trichloroethene	9.359	130	365896	71.984 ug/l		97
49) 1,4-Dioxane	9.688	88	111	Below Cal #		1
52) Toluene	10.635	92	15101	1.250 ug/l		99
55) 1,1,2-Trichloroethane	11.024	97	2144	0.461 ug/l #		79
76) 1,2,3-Trichloropropane	12.853	75	133057	26.010 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	133057	66.948 ug/l #		14

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

Quant Time: Feb 27 00:13:45 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081200.D

Acq: 26 Feb 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

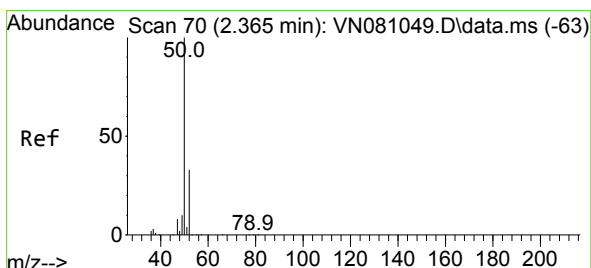
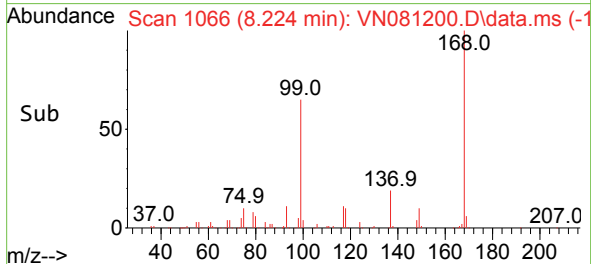
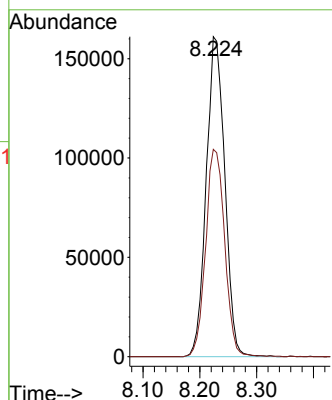
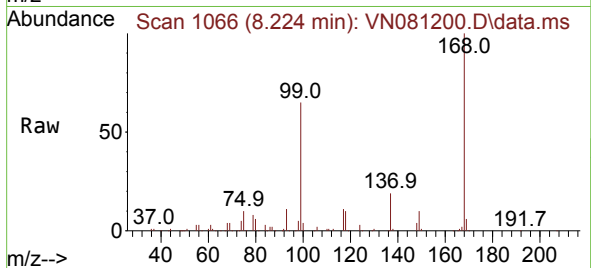
RE117D1-20240219

Tgt Ion:168 Resp: 364094

Ion Ratio Lower Upper

168 100

99 64.8 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081200.D

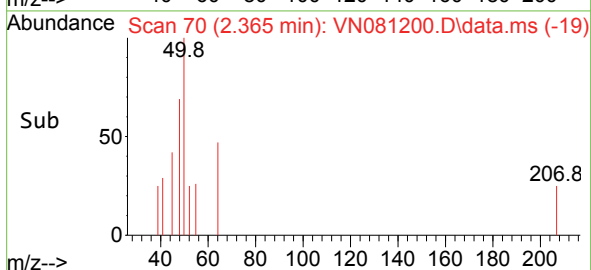
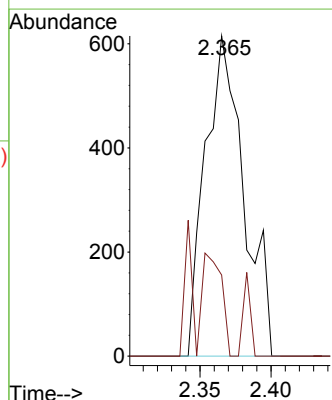
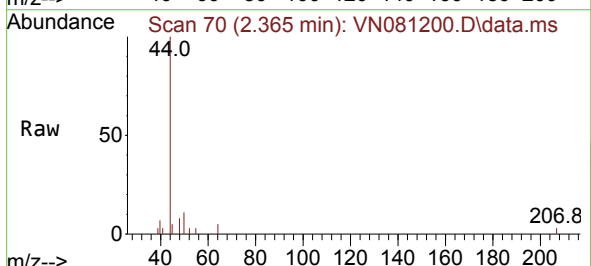
Acq: 26 Feb 2024 17:16

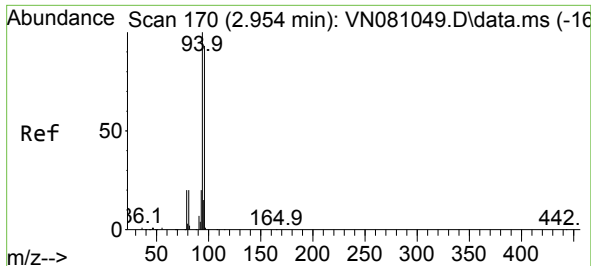
Tgt Ion: 50 Resp: 1161

Ion Ratio Lower Upper

50 100

52 25.4 25.0 37.4

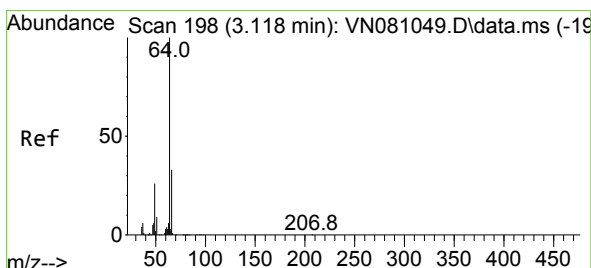
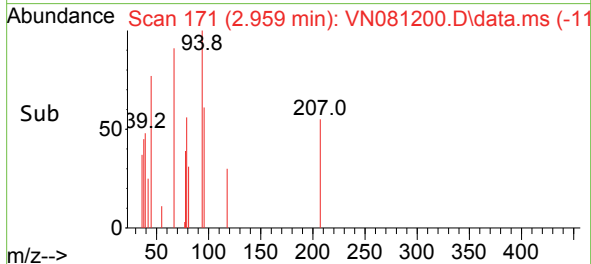
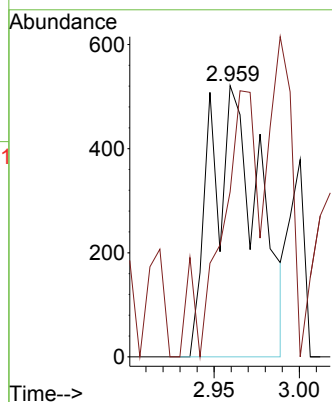
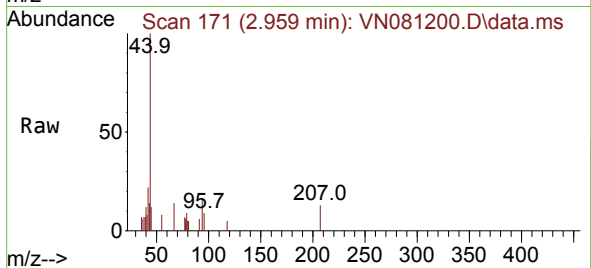




#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

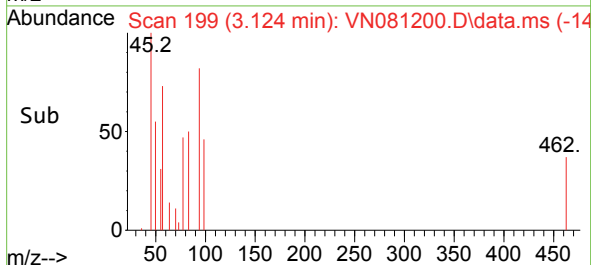
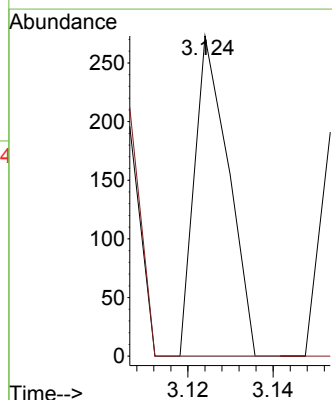
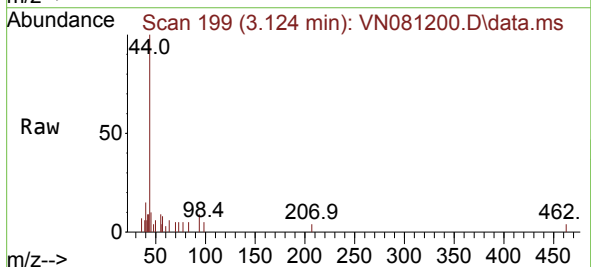
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

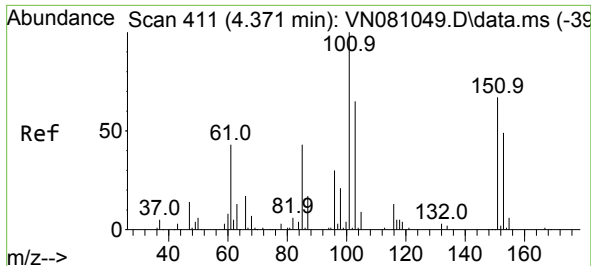
Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 60.8 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

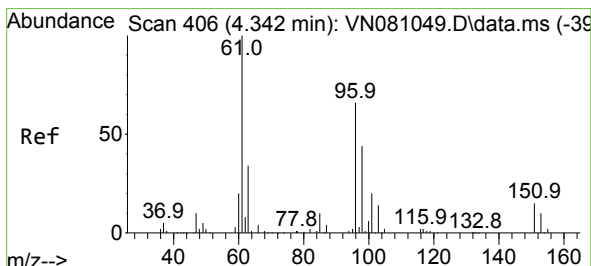
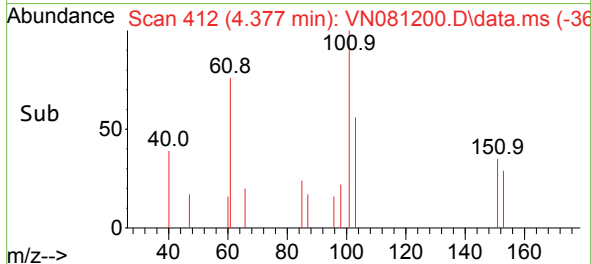
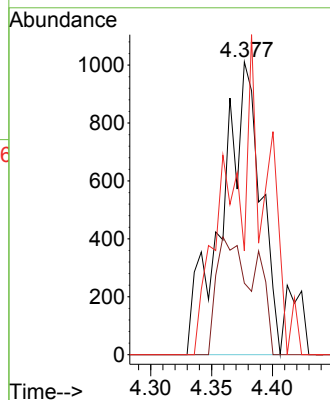
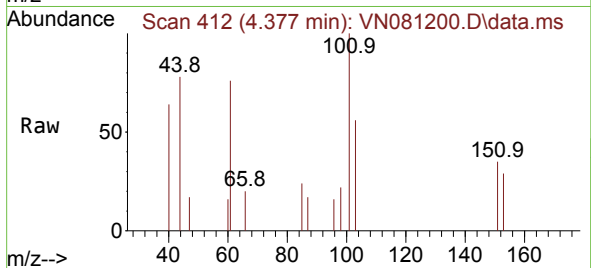




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.525 ug/l
 RT: 4.377 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: VN081200.D
 Acq: 26 Feb 2024 17:16

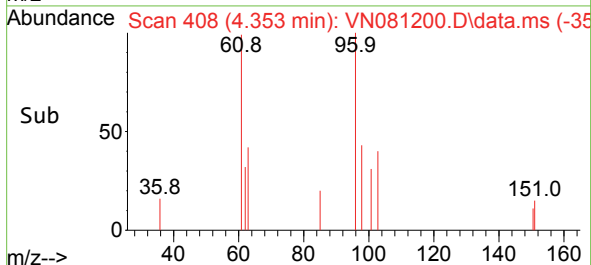
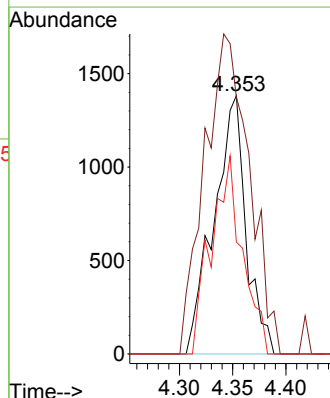
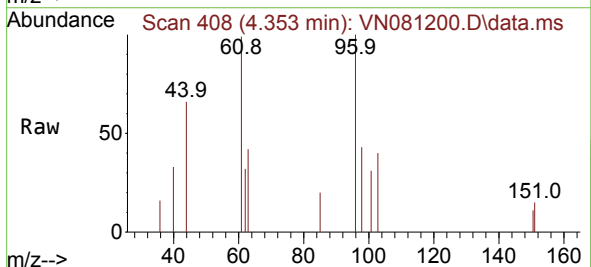
Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20240219

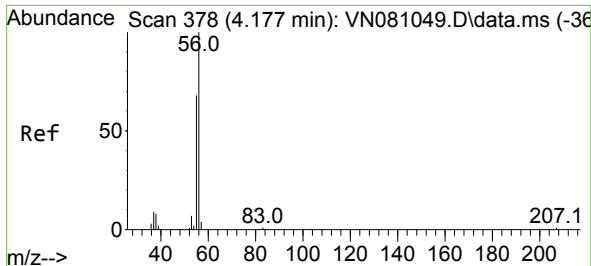
Tgt Ion:101 Resp: 2238
 Ion Ratio Lower Upper
 101 100
 85 0.0 38.1 57.1#
 151 53.7 49.1 73.7



#12
 1,1-Dichloroethene
 Concen: 0.704 ug/l
 RT: 4.353 min Scan# 408
 Delta R.T. 0.011 min
 Lab File: VN081200.D
 Acq: 26 Feb 2024 17:16

Tgt Ion: 96 Resp: 2900
 Ion Ratio Lower Upper
 96 100
 61 99.5 138.2 207.4#
 98 43.3 49.2 73.8#

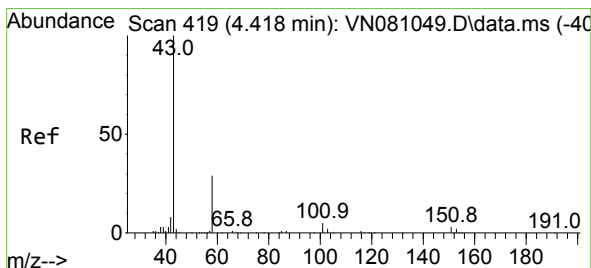
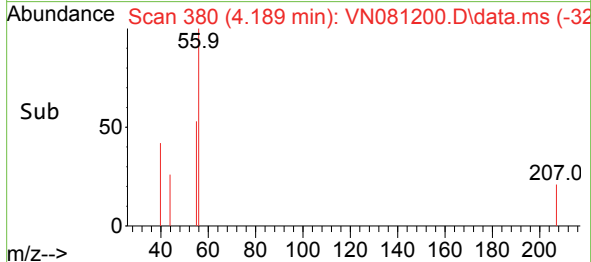
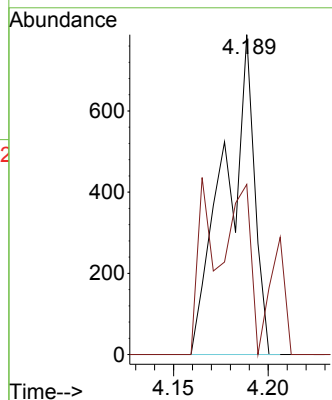
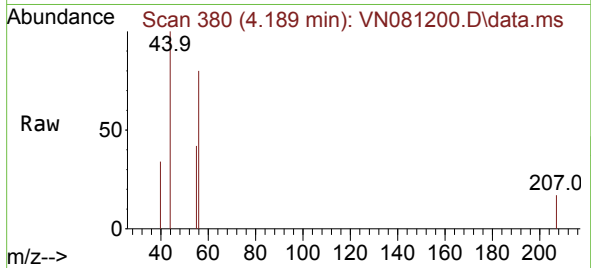




#13
Acrolein
Concen: 1.946 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

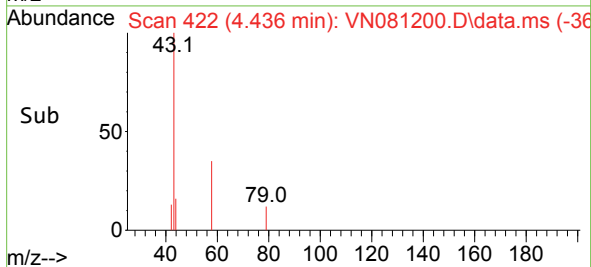
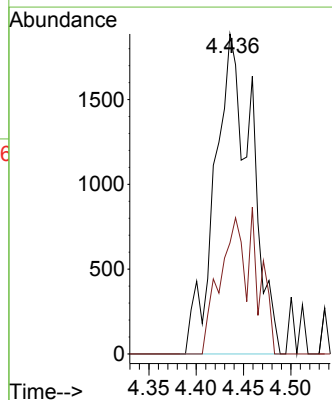
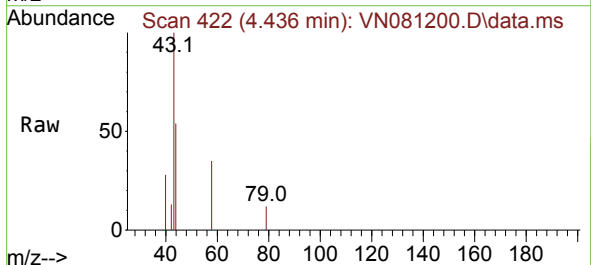
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

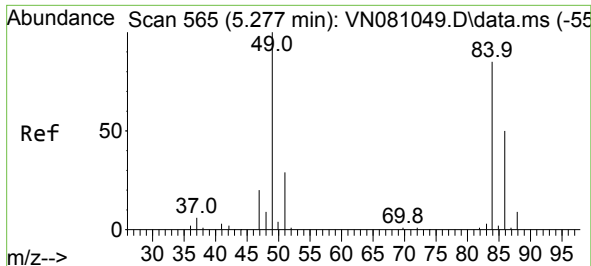
Tgt Ion: 56 Resp: 856
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 2.897 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

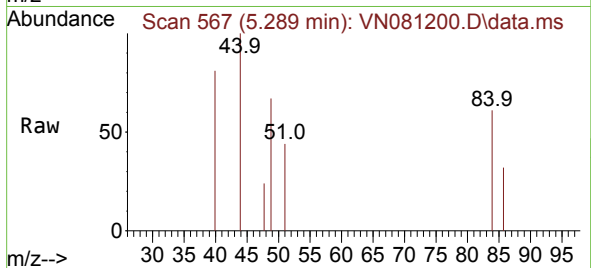
Tgt Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
58 34.7 24.8 37.2





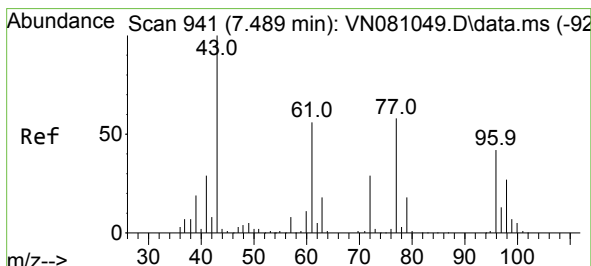
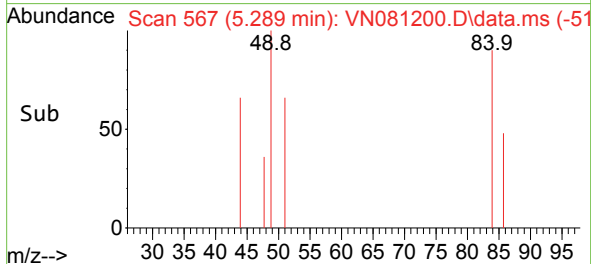
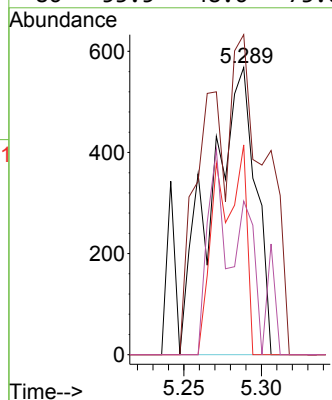
#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion: 84 Resp: 1147

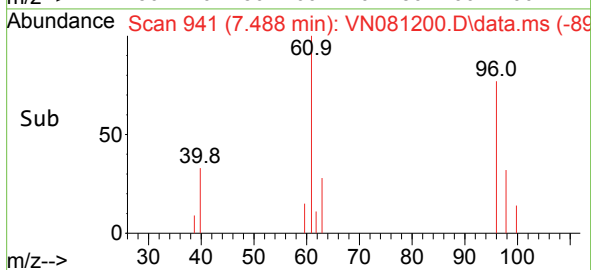
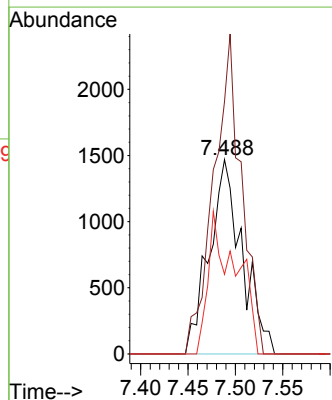
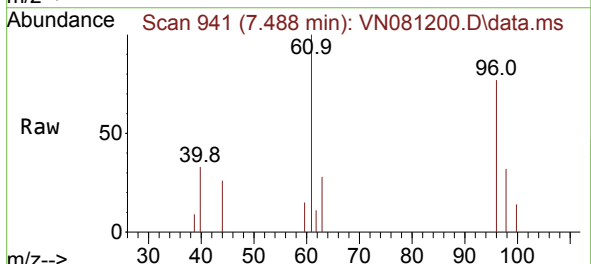
Ion	Ratio	Lower	Upper
84	100		
49	111.4	108.1	162.1
51	73.1	32.9	49.3#
86	53.5	48.6	73.0

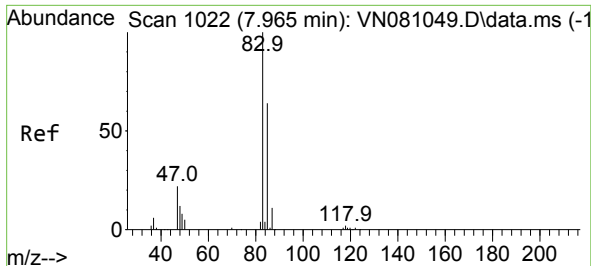


#27
cis-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion: 96 Resp: 3559

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	325.4
98	31.6	0.0	130.4

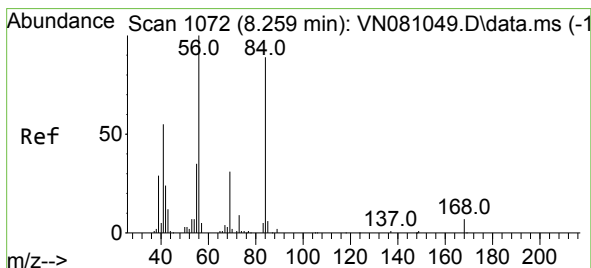
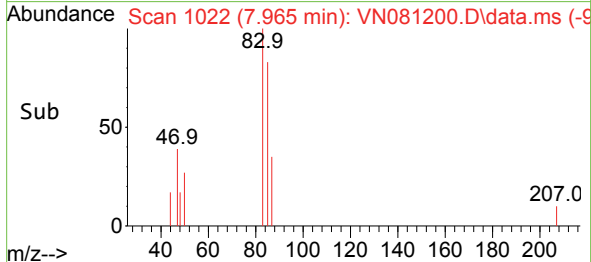
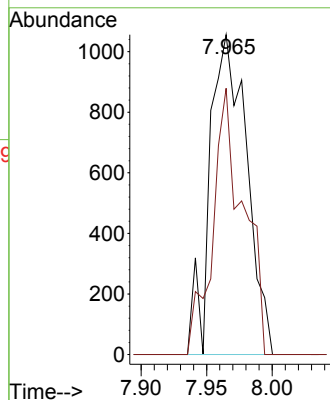
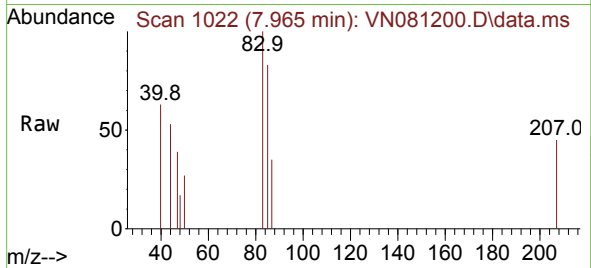




#30
Chloroform
Concen: 0.242 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

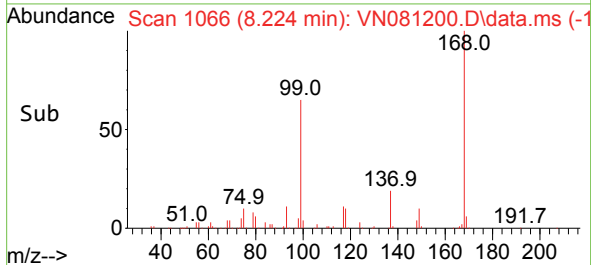
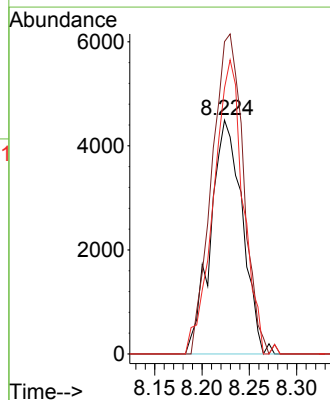
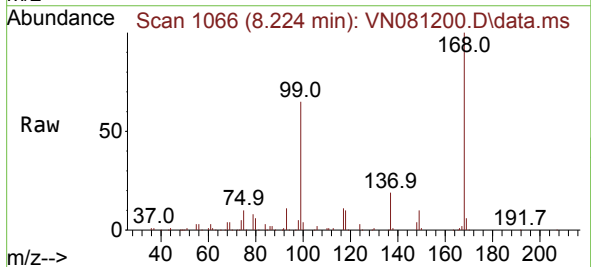
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

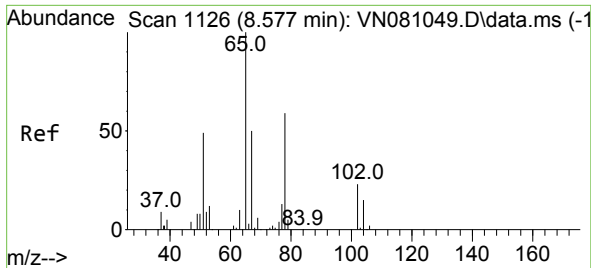
Tgt Ion: 83 Resp: 2060
Ion Ratio Lower Upper
83 100
85 83.2 51.0 76.6#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion: 56 Resp: 10485
Ion Ratio Lower Upper
56 100
69 133.6 20.1 30.1#
84 119.0 56.9 85.3#

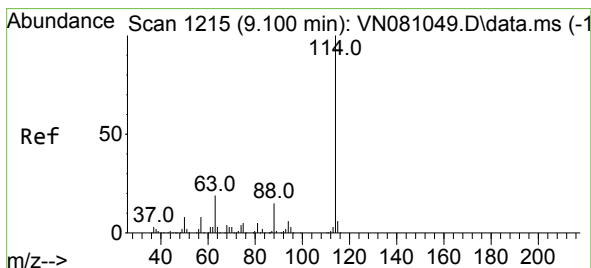
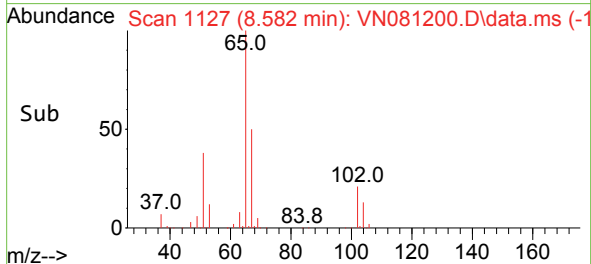
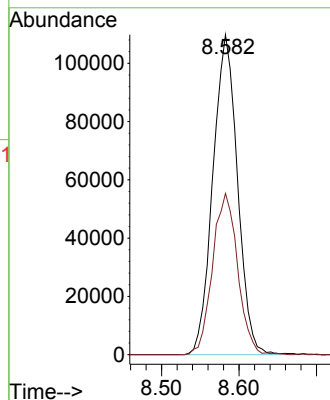
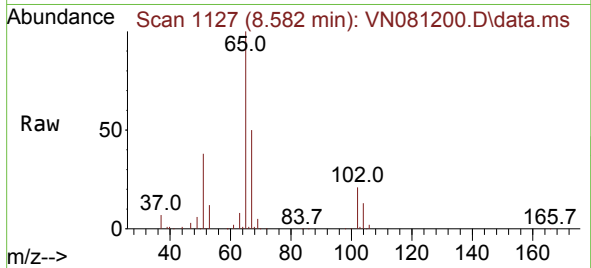




#33
1,2-Dichloroethane-d4
Concen: 54.224 ug/l
RT: 8.582 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

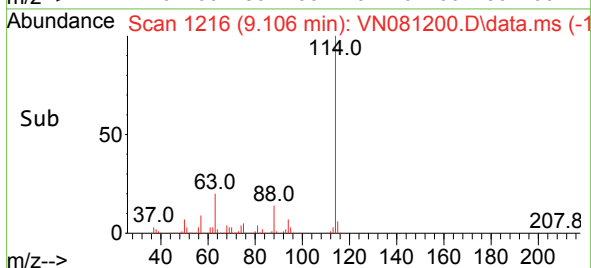
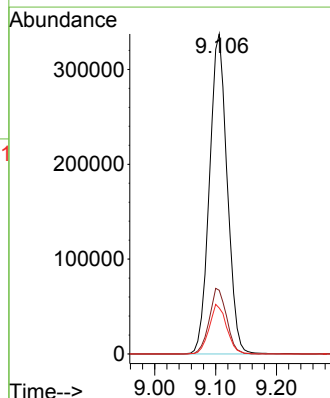
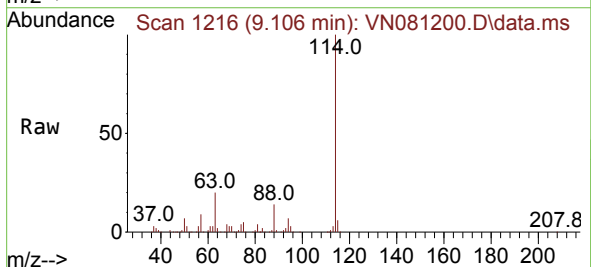
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

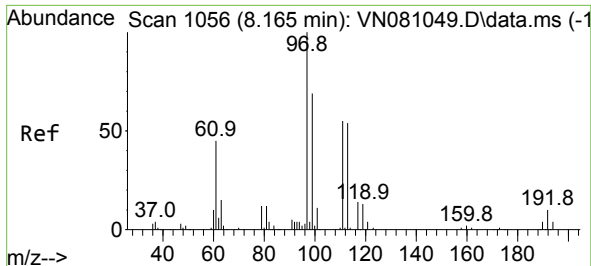
Tgt Ion: 65 Resp: 241990
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion:114 Resp: 680591
Ion Ratio Lower Upper
114 100
63 19.9 0.0 48.0
88 14.4 0.0 34.8

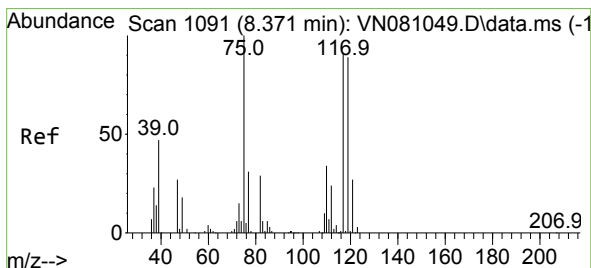
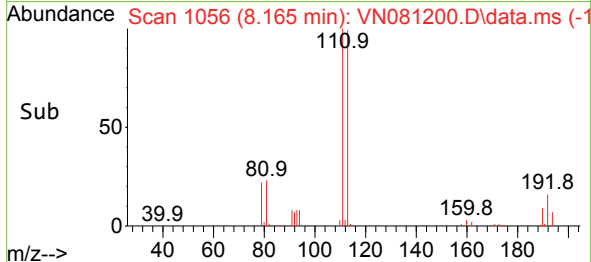
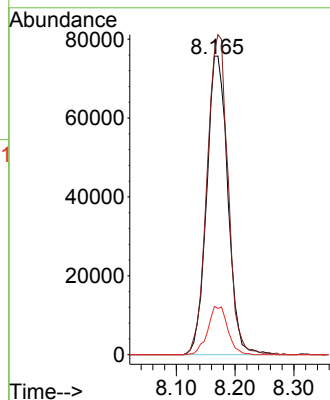
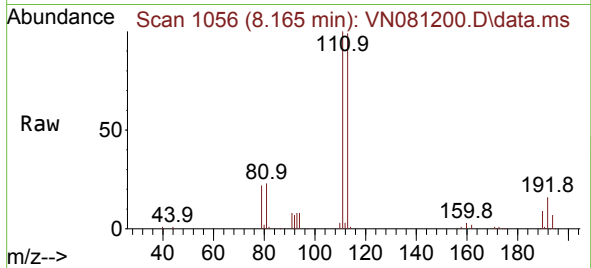




#35
Dibromofluoromethane
Concen: 49.088 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

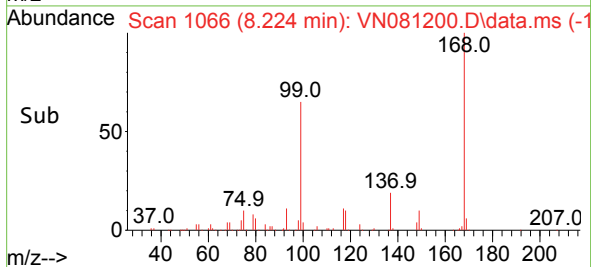
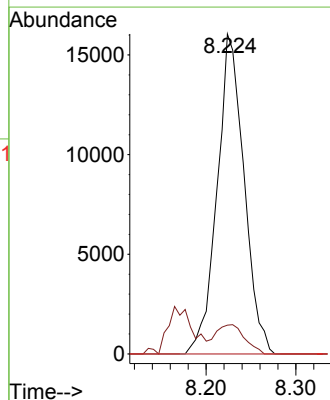
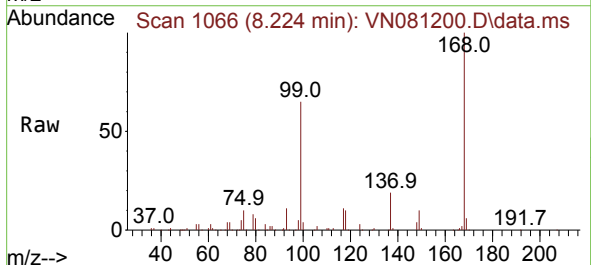
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

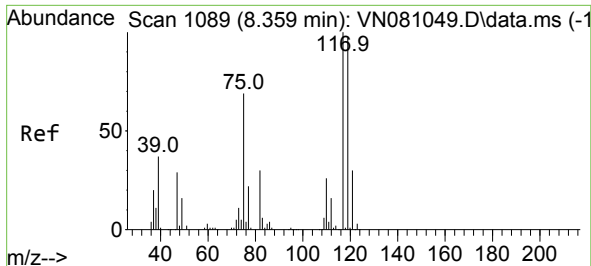
Tgt Ion:113 Resp: 188918
Ion Ratio Lower Upper
113 100
111 106.2 82.2 123.4
192 15.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion: 75 Resp: 33474
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#

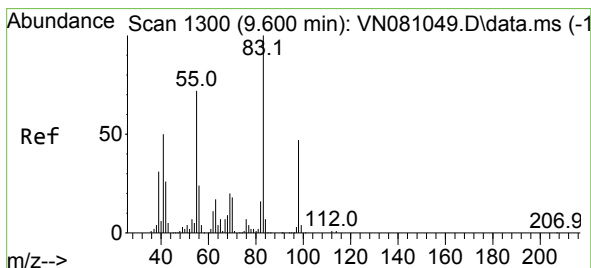
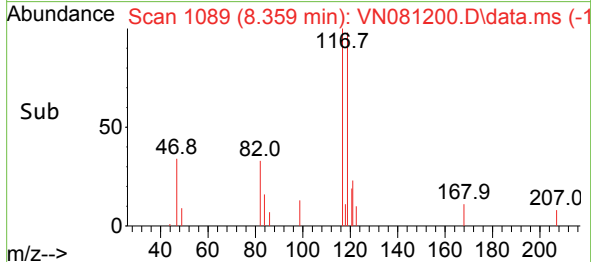
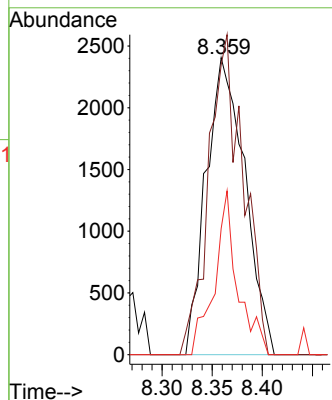
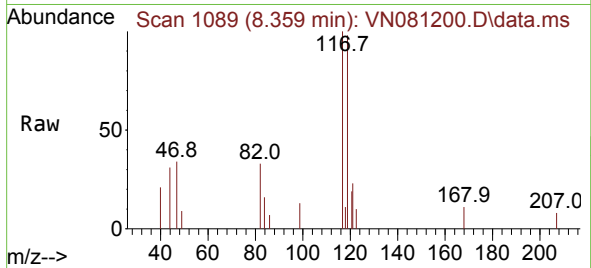




#38
Carbon Tetrachloride
Concen: 0.967 ug/l
RT: 8.359 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

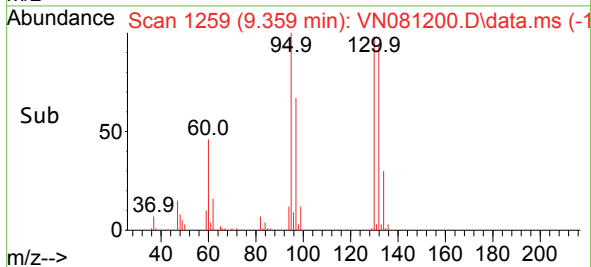
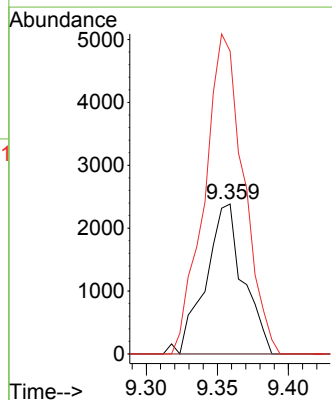
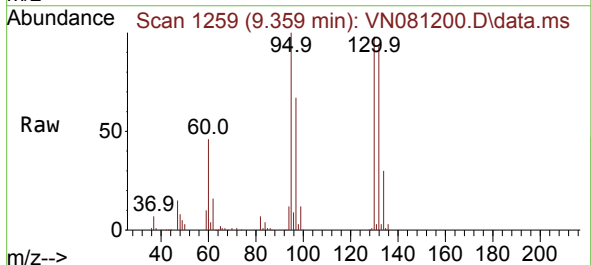
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

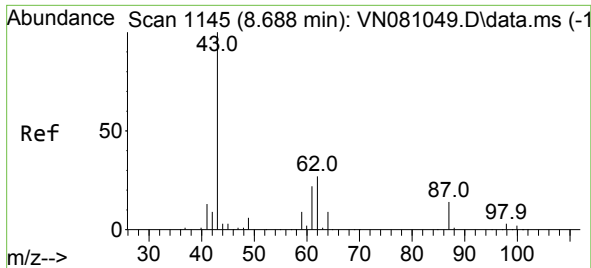
Tgt Ion:117 Resp: 6448
Ion Ratio Lower Upper
117 100
119 97.5 73.4 110.2
121 42.4 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.565 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.241 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion: 83 Resp: 4345
Ion Ratio Lower Upper
83 100
55 0.0 65.7 98.5#
98 180.7 33.8 50.6#

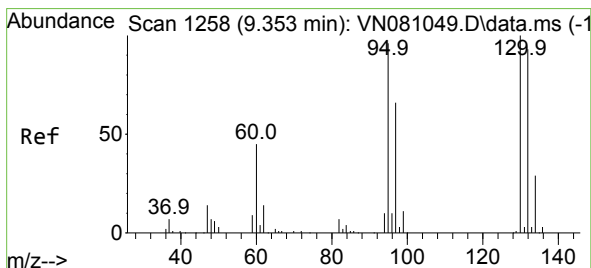
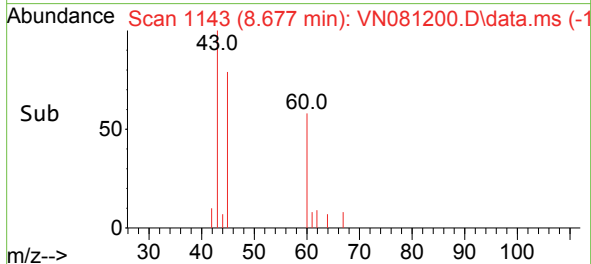
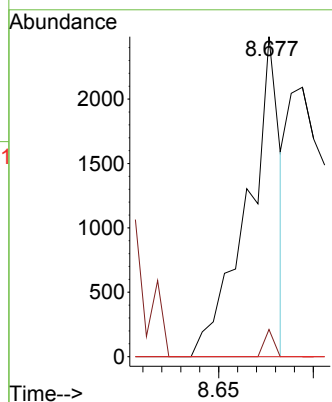
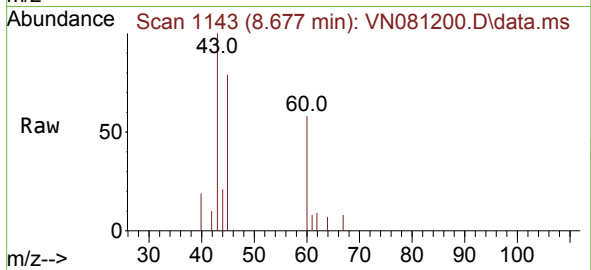




#43
Isopropyl Acetate
Concen: 0.283 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

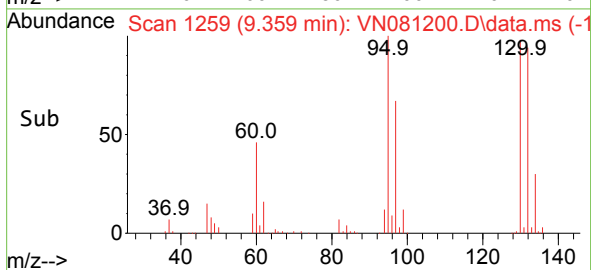
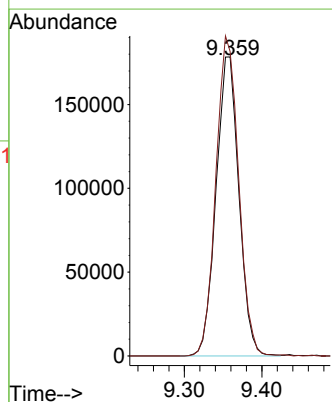
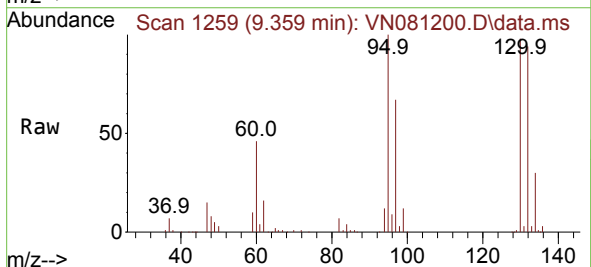
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

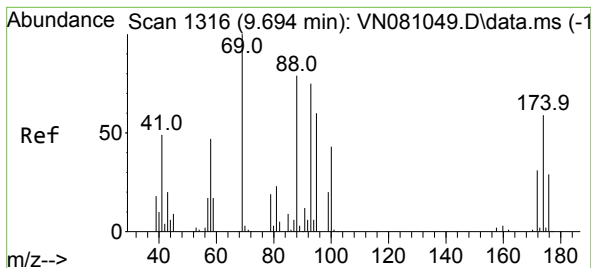
Tgt Ion: 43 Resp: 2949
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#44
Trichloroethene
Concen: 71.984 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion:130 Resp: 365896
Ion Ratio Lower Upper
130 100
95 101.8 0.0 210.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081200.D

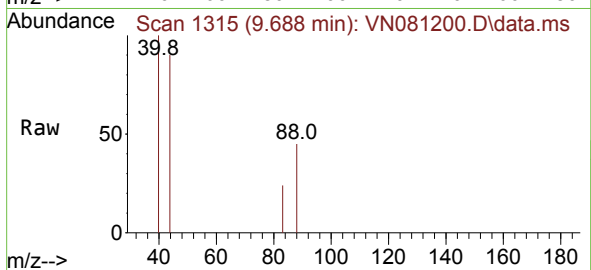
Acq: 26 Feb 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20240219



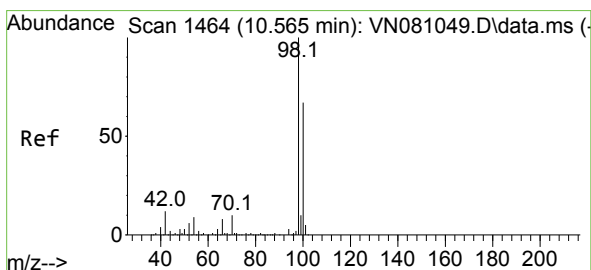
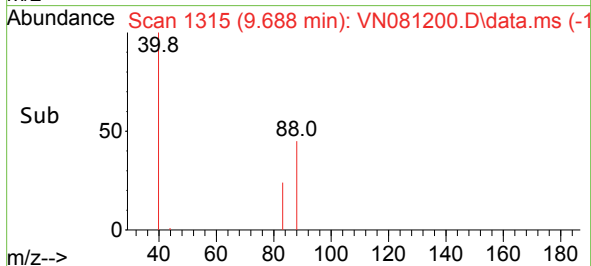
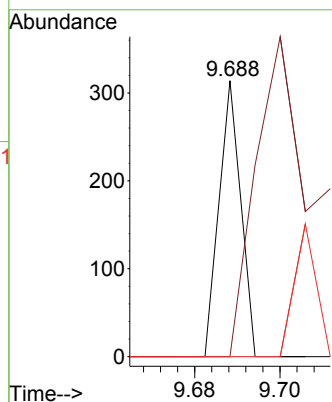
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

43 299.1 30.1 45.1#

58 47.7 63.9 95.9#



#50

Toluene-d8

Concen: 54.868 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081200.D

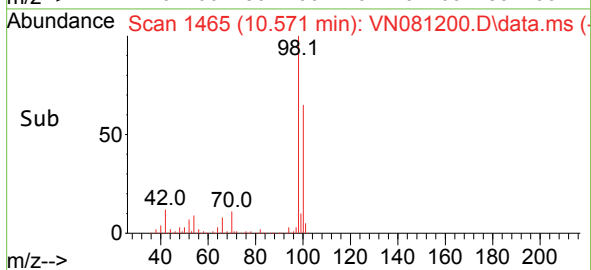
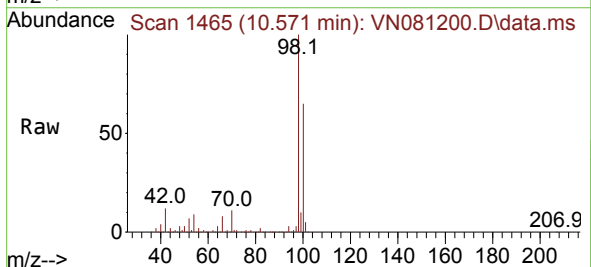
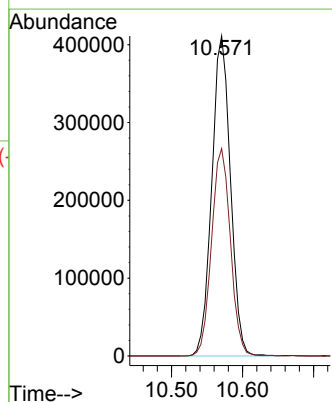
Acq: 26 Feb 2024 17:16

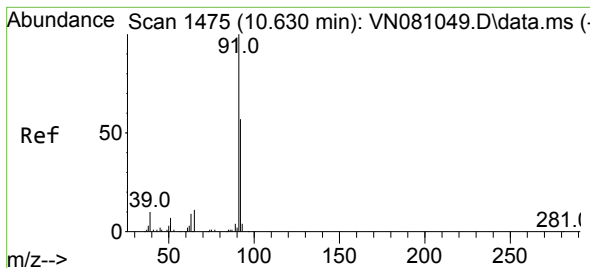
Tgt Ion: 98 Resp: 749995

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0





#52

Toluene

Concen: 1.250 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081200.D

Acq: 26 Feb 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

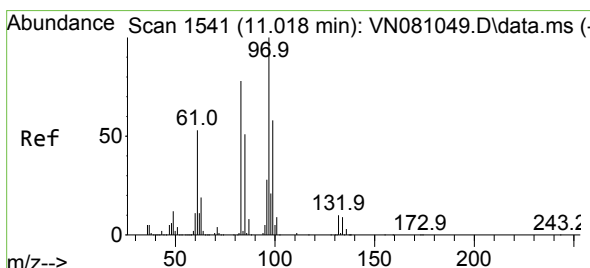
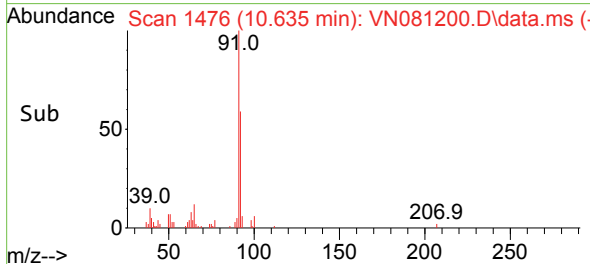
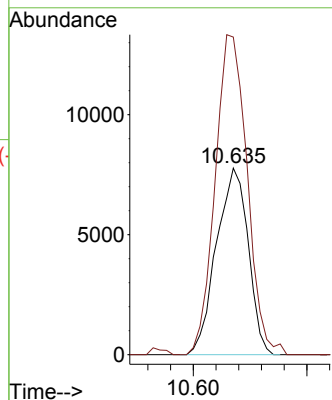
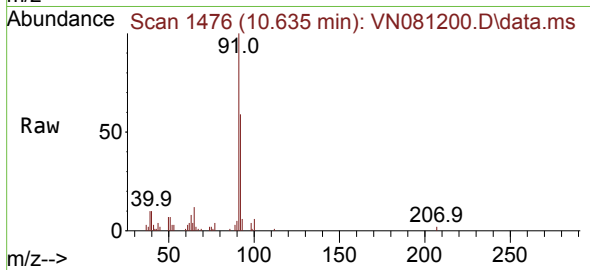
RE117D1-20240219

Tgt Ion: 92 Resp: 15101

Ion Ratio Lower Upper

92 100

91 172.6 139.4 209.0



#55

1,1,2-Trichloroethane

Concen: 0.461 ug/l

RT: 11.024 min Scan# 1542

Delta R.T. 0.006 min

Lab File: VN081200.D

Acq: 26 Feb 2024 17:16

Tgt Ion: 97 Resp: 2144

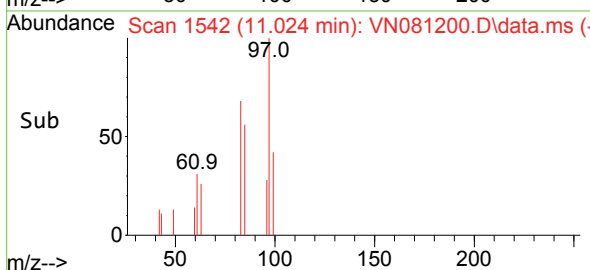
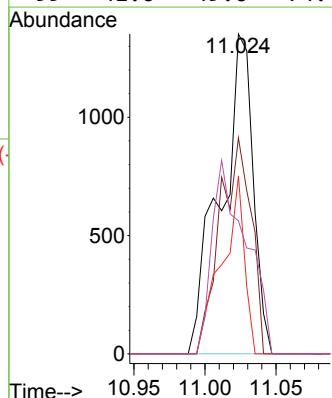
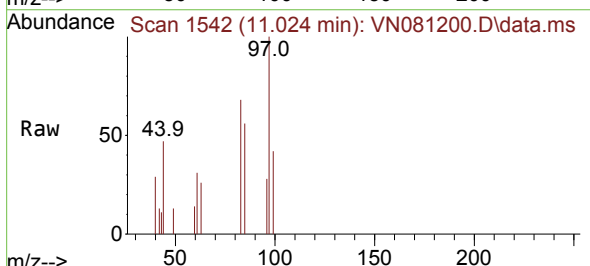
Ion Ratio Lower Upper

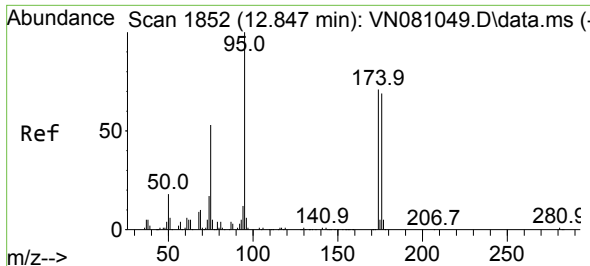
97 100

83 67.5 72.9 109.3#

85 55.6 50.2 75.2

99 41.6 49.6 74.4#

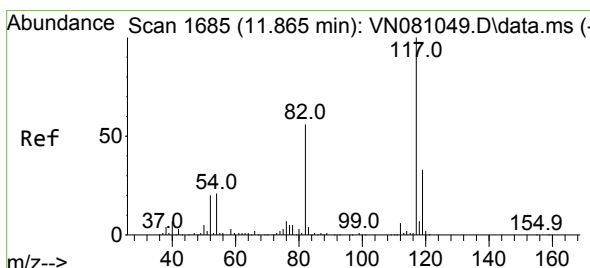
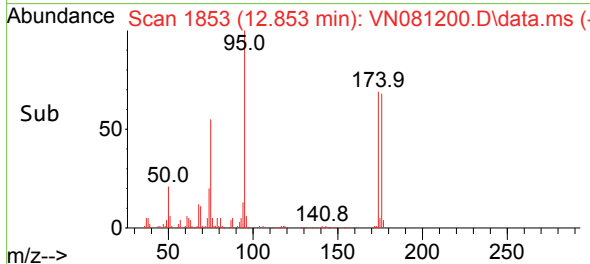
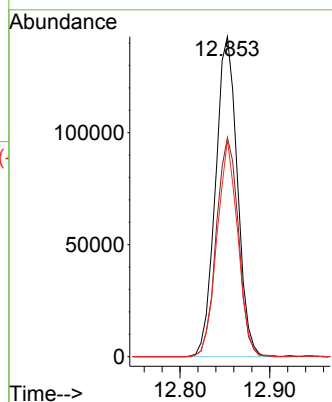
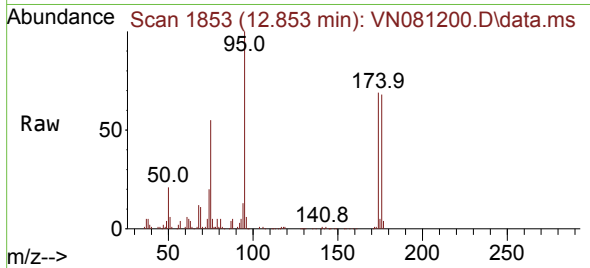




#62
4-Bromofluorobenzene
Concen: 46.997 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

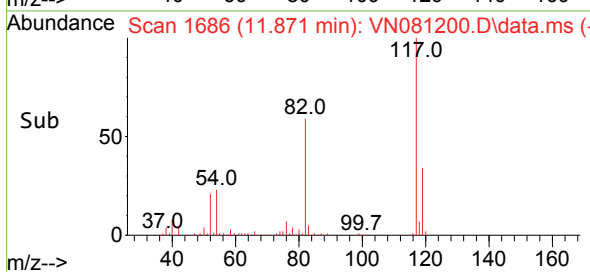
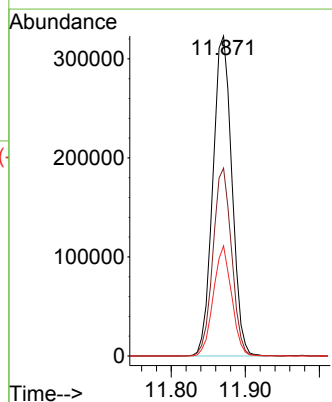
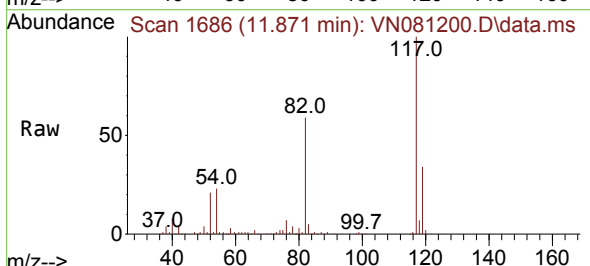
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240219

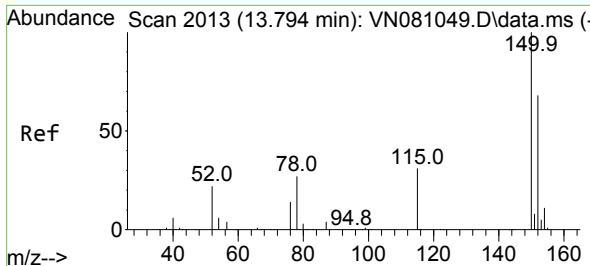
Tgt Ion:	95	Resp:	241384
Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	120.4
176	64.4	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081200.D
Acq: 26 Feb 2024 17:16

Tgt Ion:	117	Resp:	577273
Ion	Ratio	Lower	Upper
117	100		
82	58.7	52.7	79.1
119	34.4	25.3	37.9

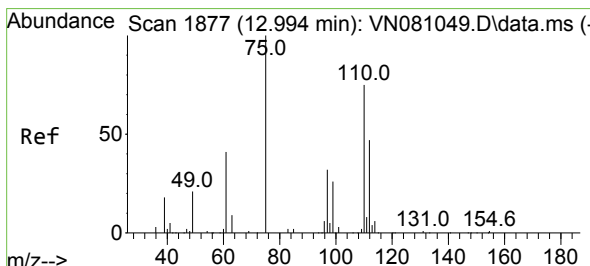
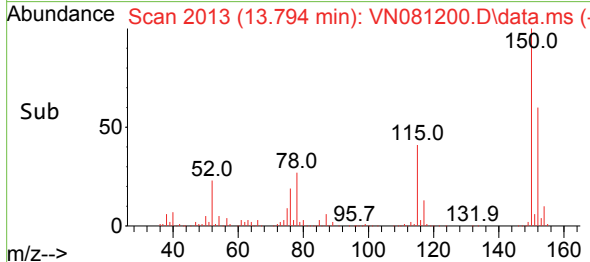
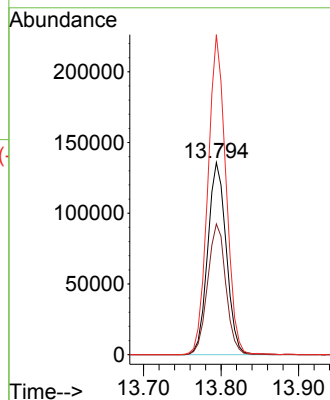
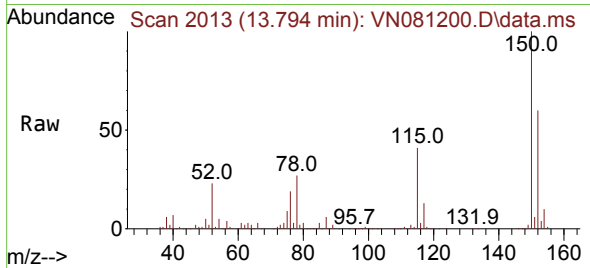




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081200.D
 Acq: 26 Feb 2024 17:16

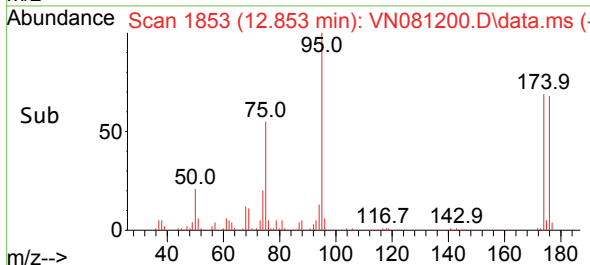
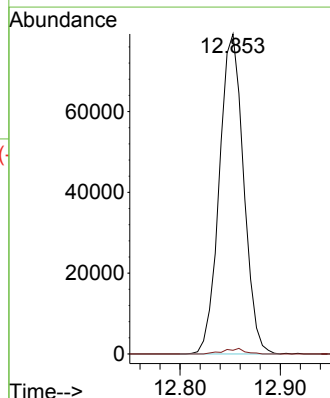
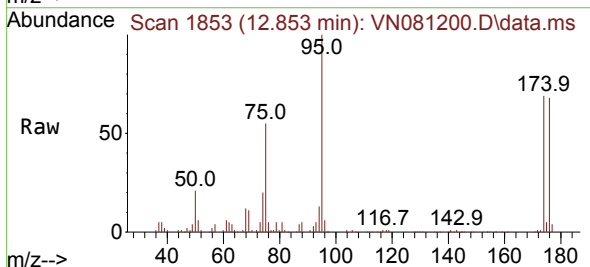
Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20240219

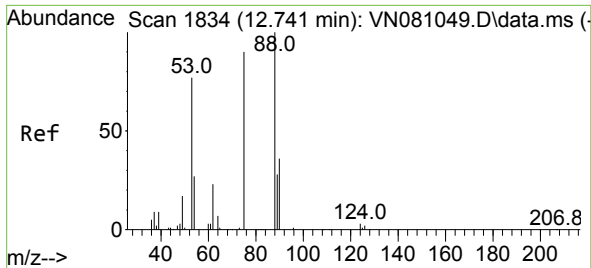
Tgt Ion:152 Resp: 225152
 Ion Ratio Lower Upper
 152 100
 115 67.1 32.3 96.8
 150 162.2 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 26.010 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081200.D
 Acq: 26 Feb 2024 17:16

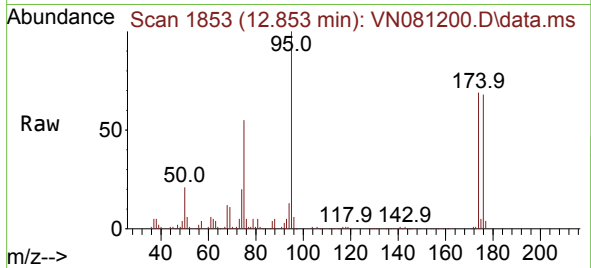
Tgt Ion: 75 Resp: 133057
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.948 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081200.D
 Acq: 26 Feb 2024 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20240219



Tgt Ion: 75 Resp: 133057
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

