

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021224\
 Data File : VN081014.D
 Acq On : 12 Feb 2024 19:32
 Operator : JC\MD
 Sample : PB158913TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158913TB

Quant Time: Feb 13 03:26:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

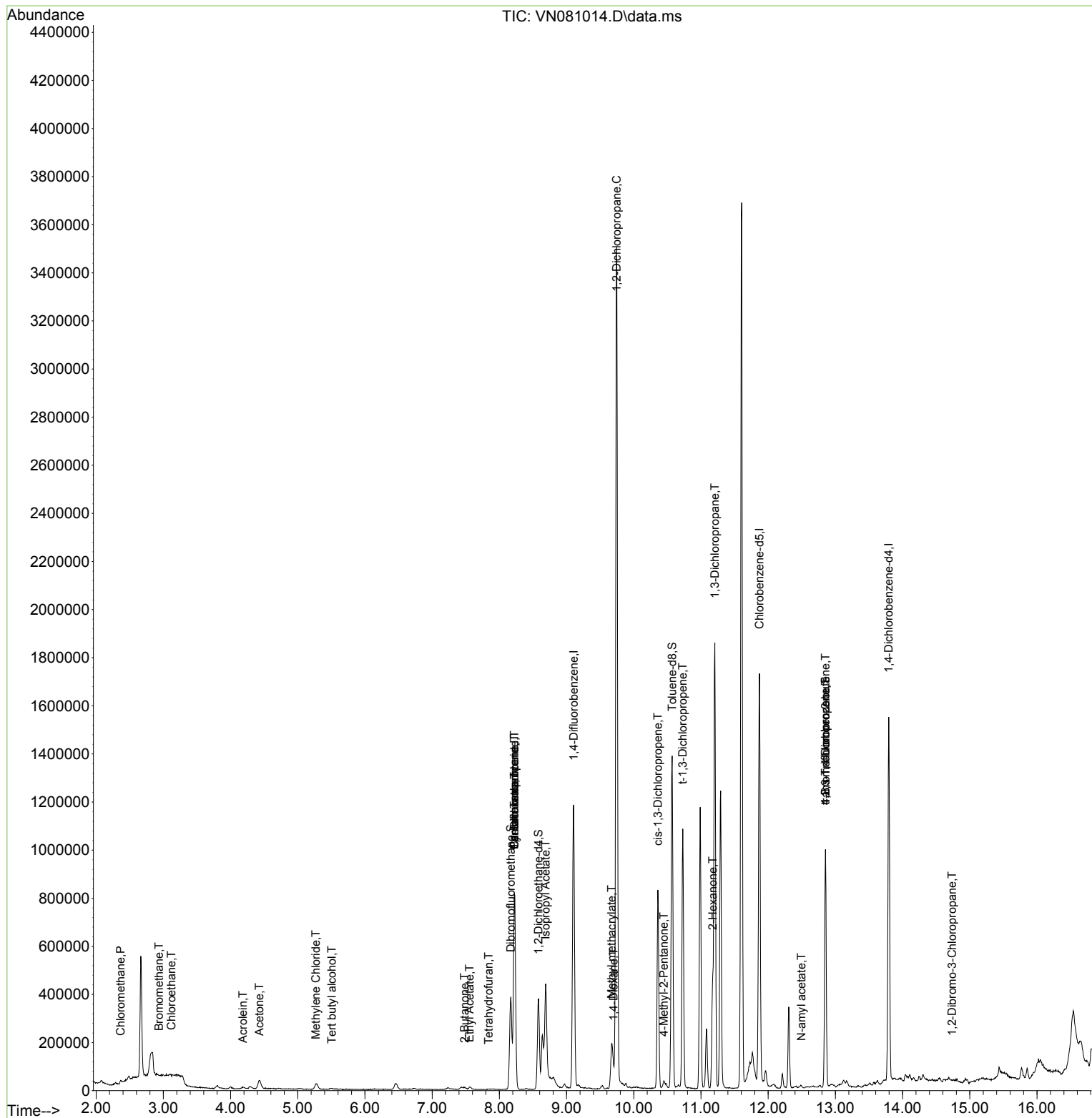
Internal Standards						
1) Pentafluorobenzene	8.224	168	643746	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	1104189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1041573	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	434887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	293032	36.084	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	72.160%	#	
35) Dibromofluoromethane	8.171	113	277453	46.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.660%		
50) Toluene-d8	10.571	98	974297	45.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.920%		
62) 4-Bromofluorobenzene	12.853	95	335132	43.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.100%		
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	14656	0.575	ug/l	99
5) Bromomethane	2.936	94	1821	0.297	ug/l	# 6
6) Chloroethane	3.118	64	2205	0.328	ug/l	# 86
11) Tert butyl alcohol	5.506	59	2291	2.048	ug/l	# 72
13) Acrolein	4.183	56	7007	4.969	ug/l	# 82
16) Acetone	4.430	43	72367	27.086	ug/l	91
18) Methyl Acetate	5.036	43	7565	Below Cal		97
20) Methylene Chloride	5.271	84	20753	2.564	ug/l	# 65
25) 2-Butanone	7.483	43	13846	3.229	ug/l	100
29) Tetrahydrofuran	7.841	42	1242	0.474	ug/l	# 76
31) Cyclohexane	8.224	56	12140	1.094	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	44771	5.079	ug/l	# 52
37) Ethyl Acetate	7.559	43	13143	1.971	ug/l	# 90
38) Carbon Tetrachloride	8.224	117	63017	6.974	ug/l	# 17
43) Isopropyl Acetate	8.688	43	456535	37.224	ug/l	# 89
45) 1,2-Dichloropropane	9.747	63	4970	0.687	ug/l	# 42
48) Methyl methacrylate	9.671	41	11040	1.598	ug/l	# 42
49) 1,4-Dioxane	9.700	88	67413	528.366	ug/l	# 70
51) 4-Methyl-2-Pentanone	10.447	43	19460	2.633	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	3713	0.366	ug/l	# 66
54) cis-1,3-Dichloropropene	10.359	75	168797	14.842	ug/l	# 55
57) 1,3-Dichloropropane	11.206	76	21271	1.887	ug/l	# 43
59) 2-Hexanone	11.177	43	359909	64.247	ug/l	# 26
74) N-amyl acetate	12.494	43	2708	0.222	ug/l	# 61
76) 1,2,3-Trichloropropane	12.853	75	168742	19.030	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	168742	51.703	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	14.735	75	507	0.258	ug/l	# 19

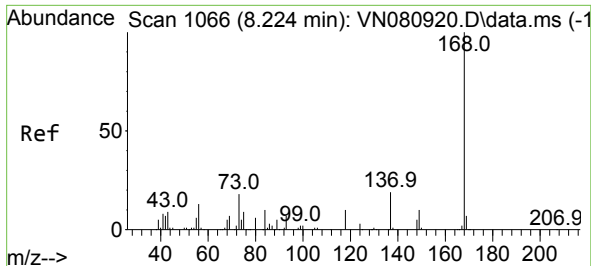
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021224\
Data File : VN081014.D
Acq On : 12 Feb 2024 19:32
Operator : JC\MD
Sample : PB158913TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

Quant Time: Feb 13 03:26:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
Response via : Initial Calibration

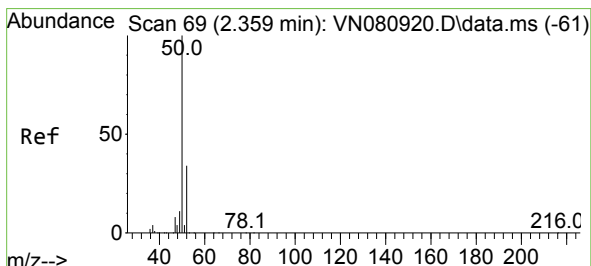
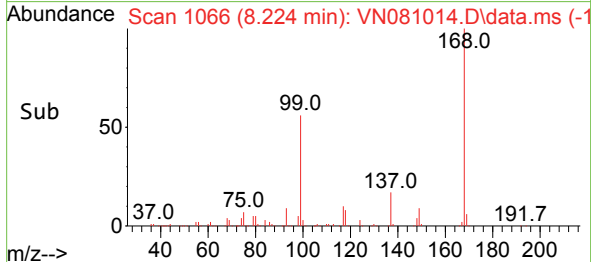
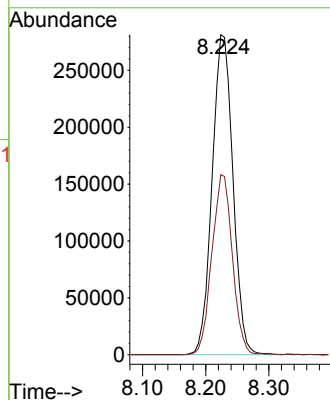
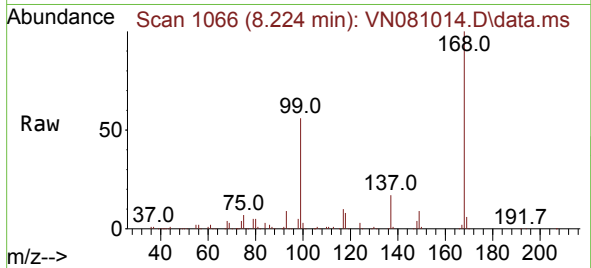




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

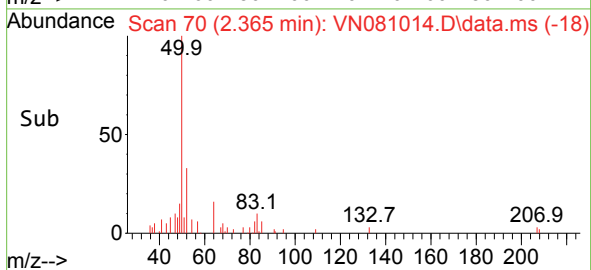
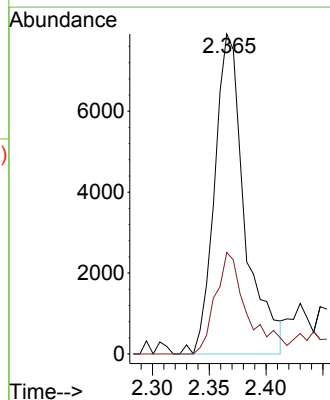
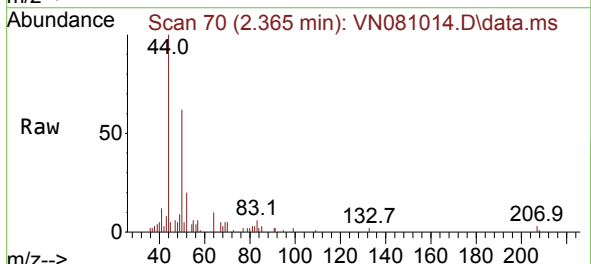
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

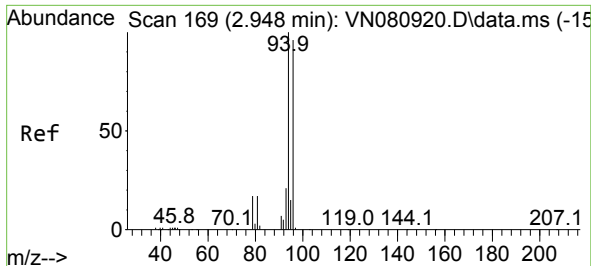
Tgt Ion:168 Resp: 643746
Ion Ratio Lower Upper
168 100
99 56.2 59.9 89.9#



#3
Chloromethane
Concen: 0.575 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 50 Resp: 14656
Ion Ratio Lower Upper
50 100
52 31.7 25.0 37.4

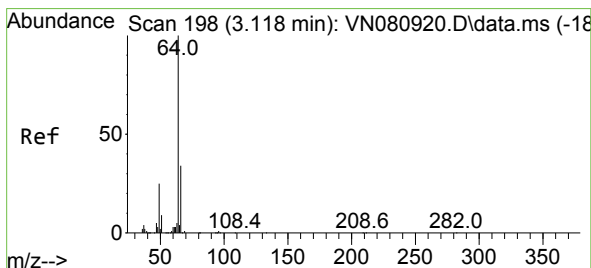
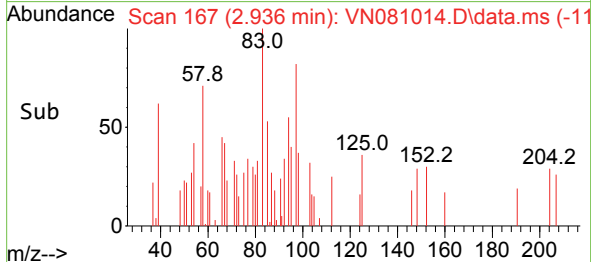
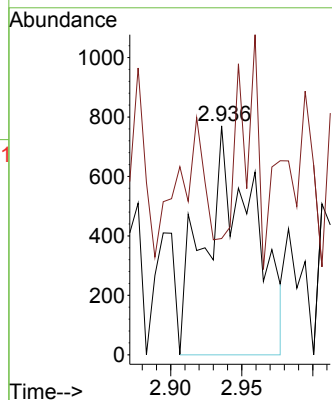
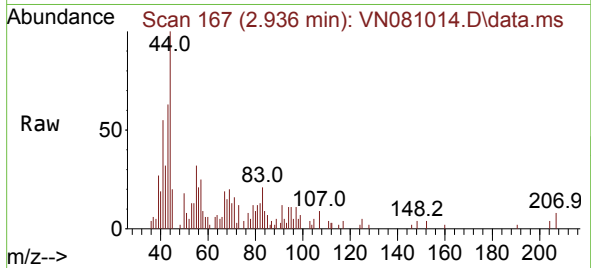




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

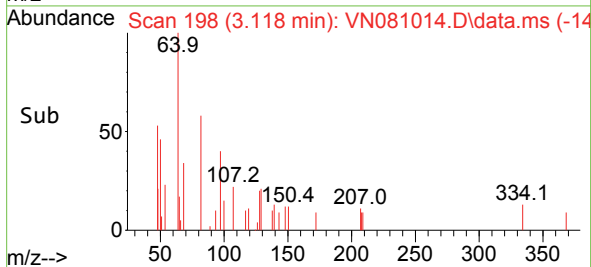
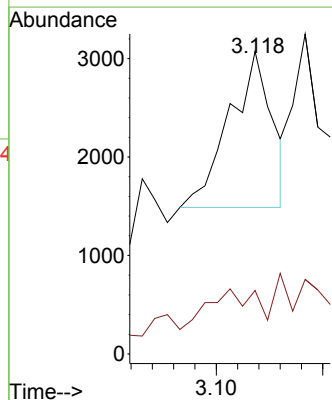
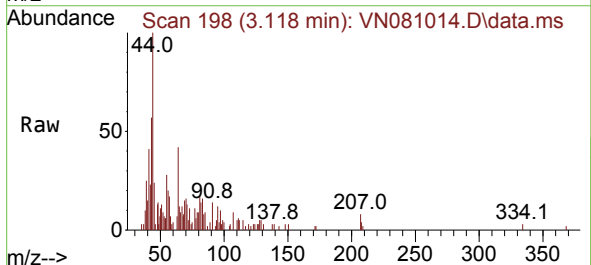
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

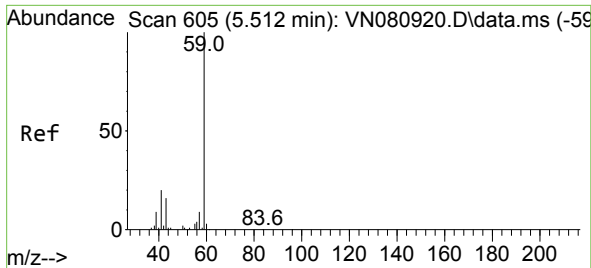
Tgt Ion: 94 Resp: 1821
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 0.328 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 64 Resp: 2205
Ion Ratio Lower Upper
64 100
66 24.9 26.4 39.6#

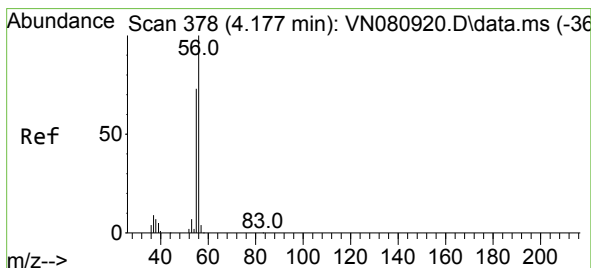
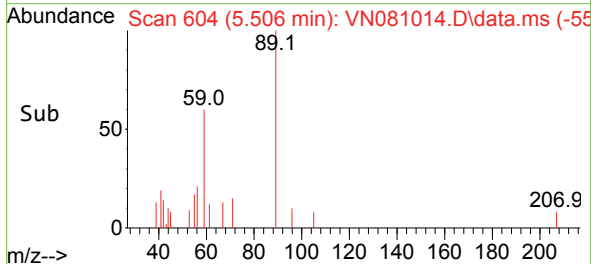
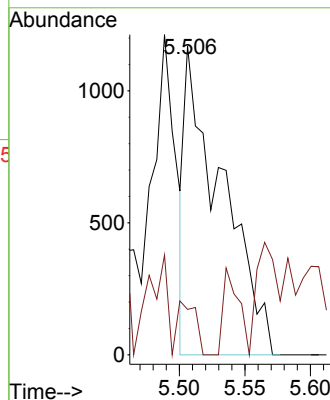
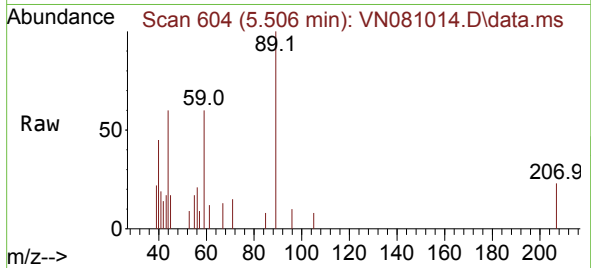




#11
Tert butyl alcohol
Concen: 2.048 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

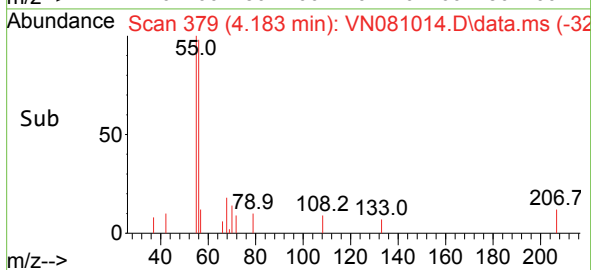
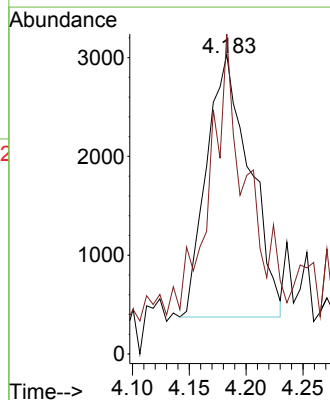
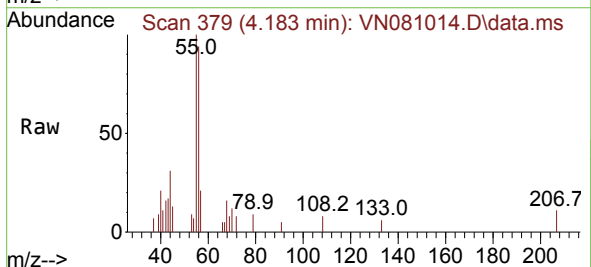
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

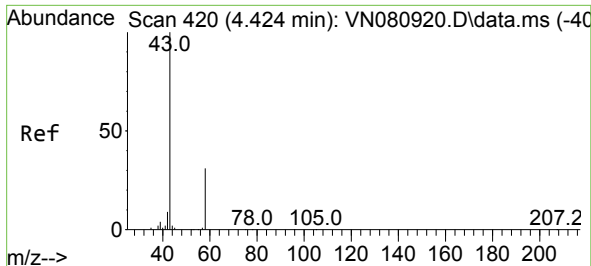
Tgt Ion: 59 Resp: 2291
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 4.969 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 56 Resp: 7007
Ion Ratio Lower Upper
56 100
55 83.4 55.3 82.9#

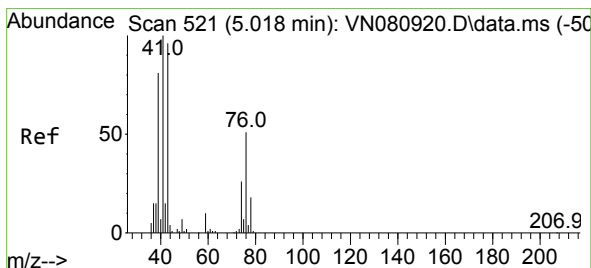
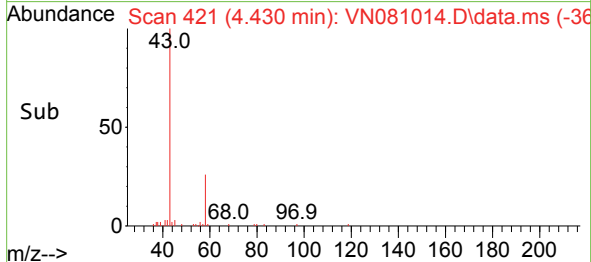
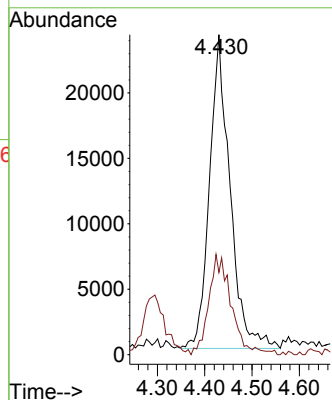
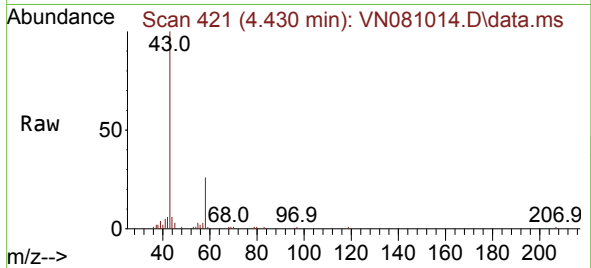




#16
Acetone
Concen: 27.086 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

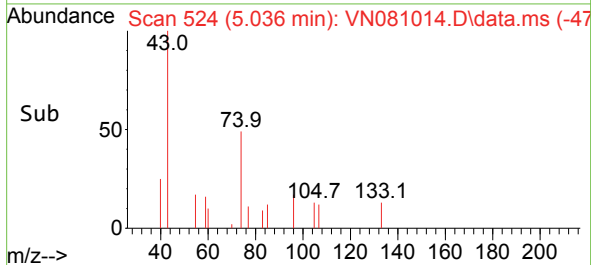
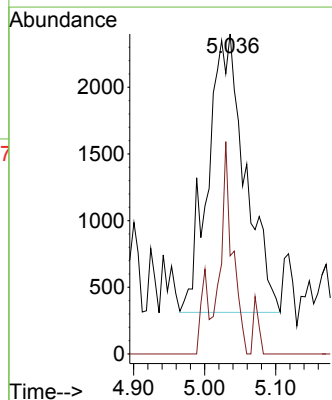
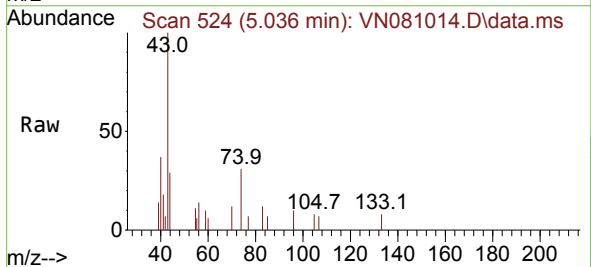
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

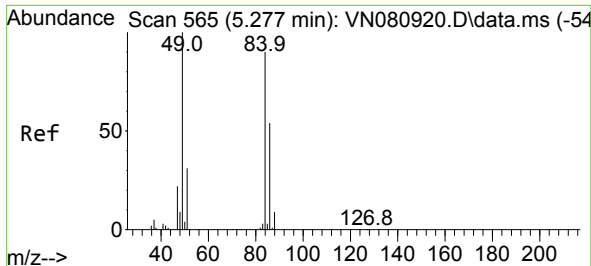
Tgt Ion: 43 Resp: 72367
Ion Ratio Lower Upper
43 100
58 26.2 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 43 Resp: 7565
Ion Ratio Lower Upper
43 100
74 23.0 17.3 25.9

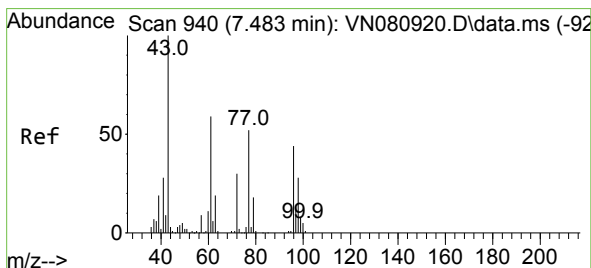
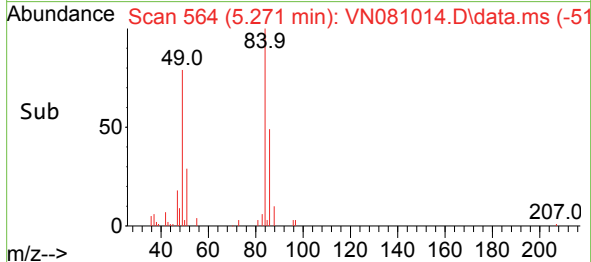
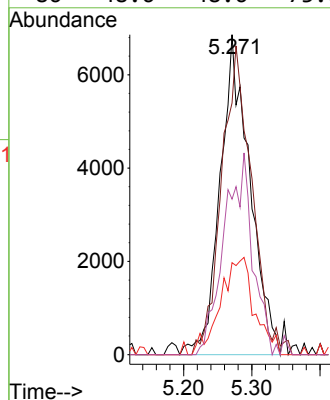
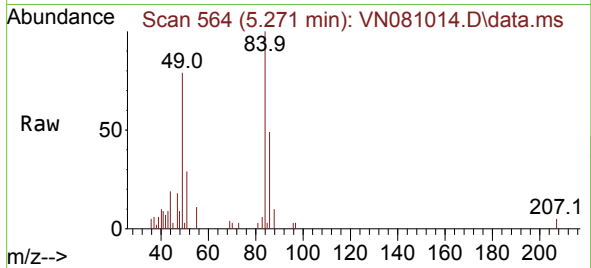




#20
Methylene Chloride
Concen: 2.564 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

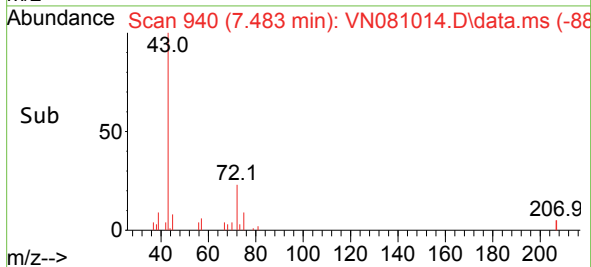
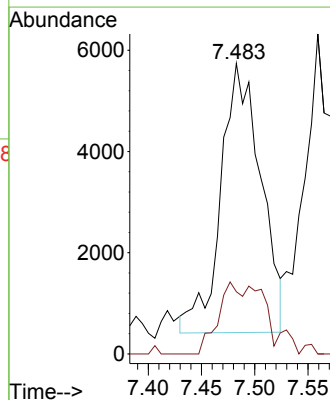
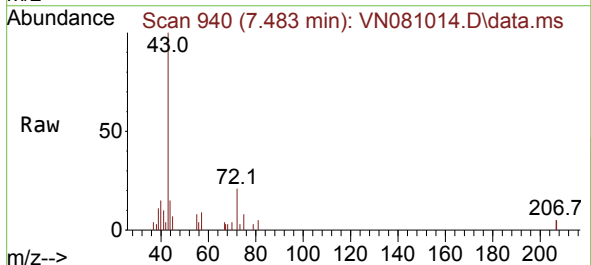
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

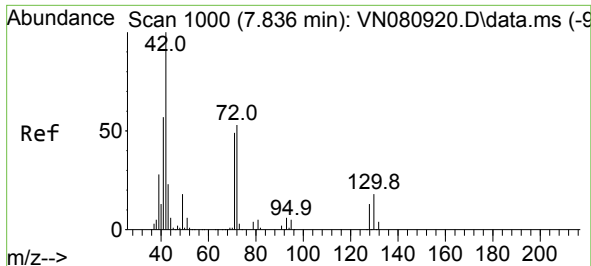
Tgt Ion:	84	Resp:	20753
Ion	Ratio	Lower	Upper
84	100		
49	78.6	108.1	162.1#
51	28.8	32.9	49.3#
86	48.6	48.6	73.0#



#25
2-Butanone
Concen: 3.229 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion:	43	Resp:	13846
Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.474 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN081014.D

Acq: 12 Feb 2024 19:32

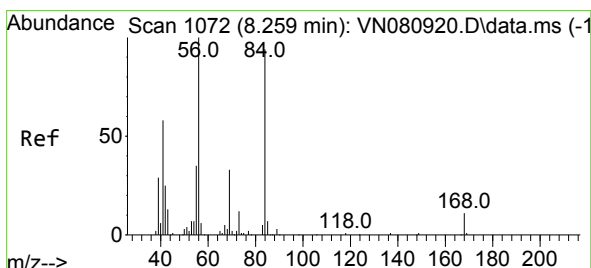
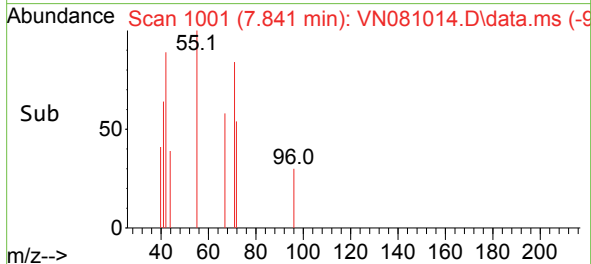
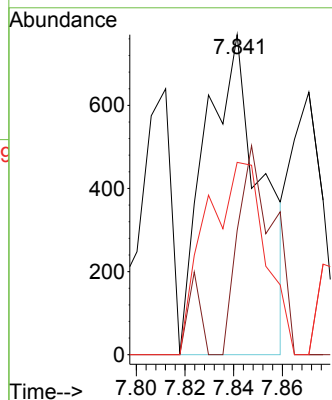
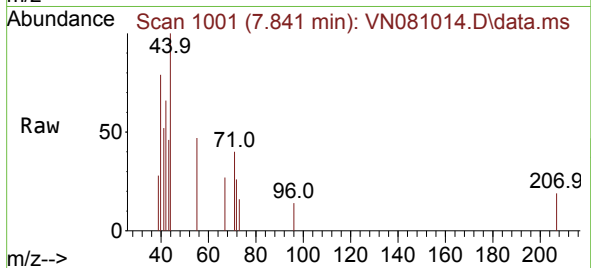
Instrument :

MSVOA_N

ClientSampleId :

PB158913TB

Tgt Ion: 42	Resp: 1242
Ion Ratio	Lower Upper
42	100
72	40.8 31.1 46.7
71	63.3 28.3 42.5#



#31

Cyclohexane

Concen: 1.094 ug/l

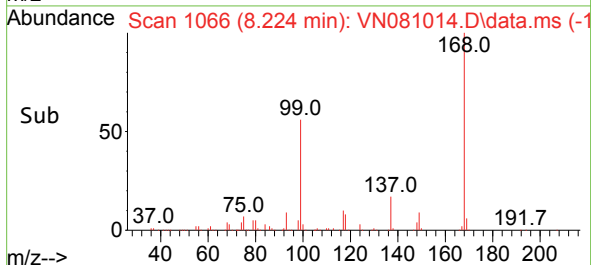
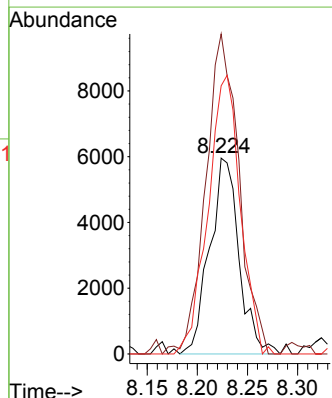
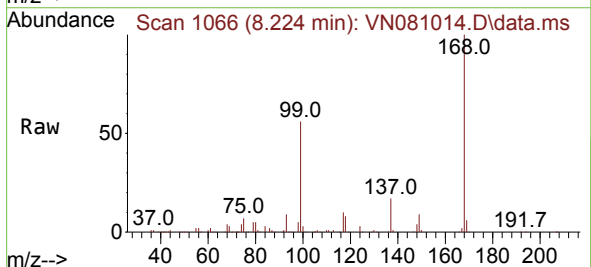
RT: 8.224 min Scan# 1066

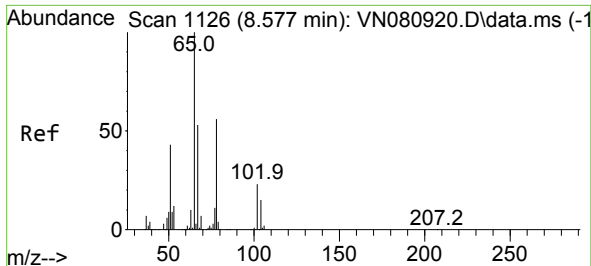
Delta R.T. -0.035 min

Lab File: VN081014.D

Acq: 12 Feb 2024 19:32

Tgt Ion: 56	Resp: 12140
Ion Ratio	Lower Upper
56	100
69	163.4 20.1 30.1#
84	136.9 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 36.084 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081014.D

Acq: 12 Feb 2024 19:32

Instrument :

MSVOA_N

ClientSampleId :

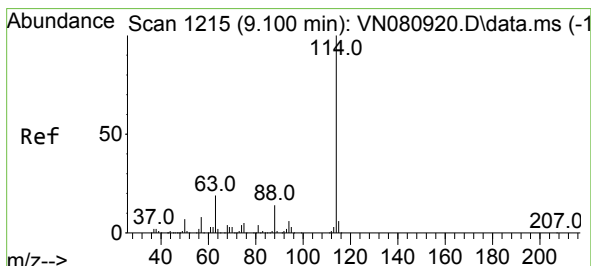
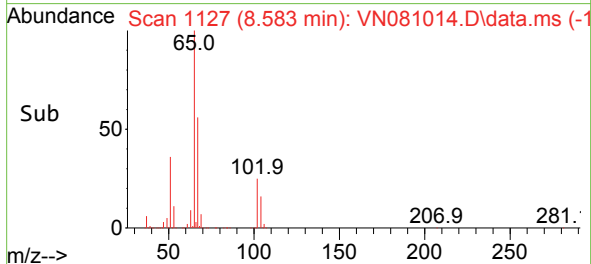
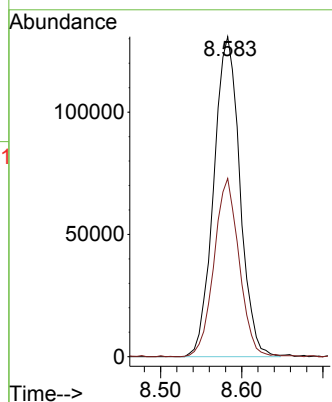
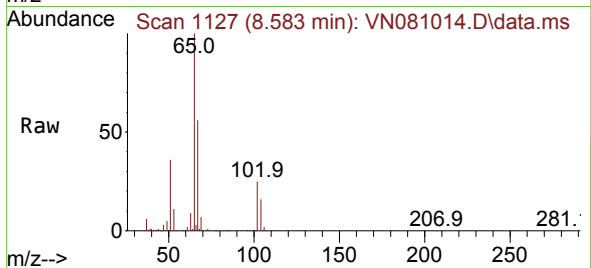
PB158913TB

Tgt Ion: 65 Resp: 293032

Ion Ratio Lower Upper

65 100

67 53.6 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: VN081014.D

Acq: 12 Feb 2024 19:32

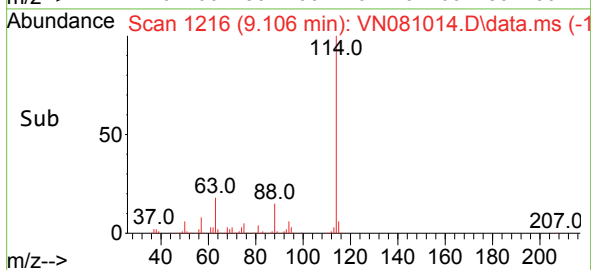
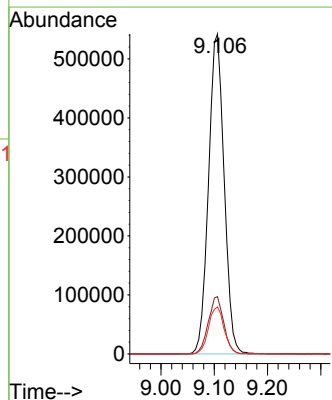
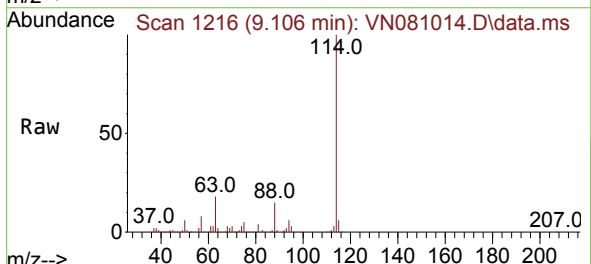
Tgt Ion: 114 Resp: 1104189

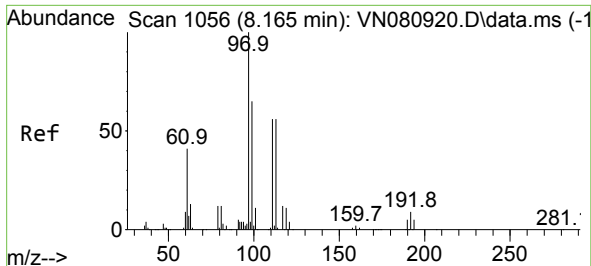
Ion Ratio Lower Upper

114 100

63 17.9 0.0 48.0

88 14.7 0.0 34.8

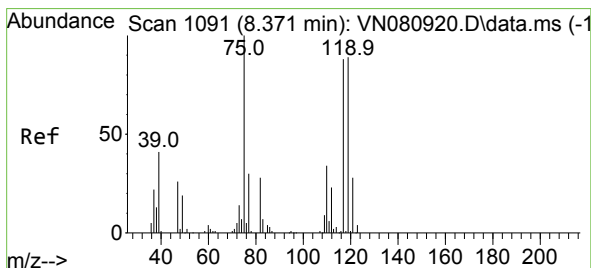
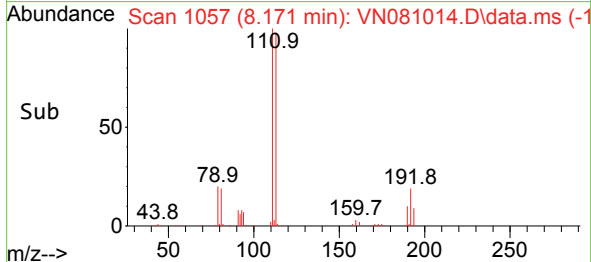
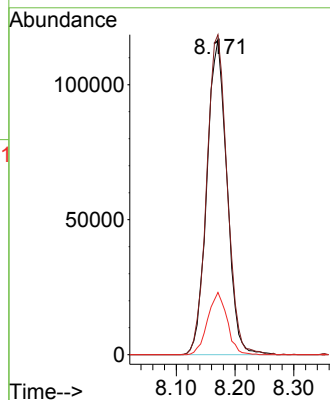
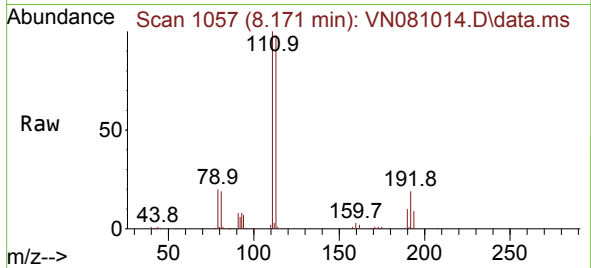




#35
Dibromofluoromethane
Concen: 46.827 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

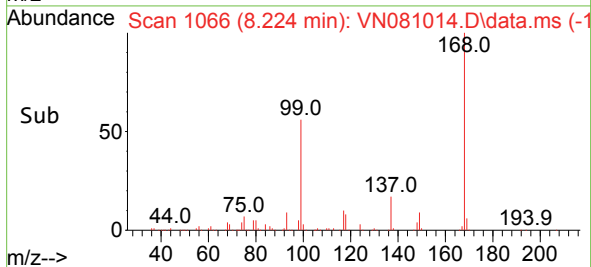
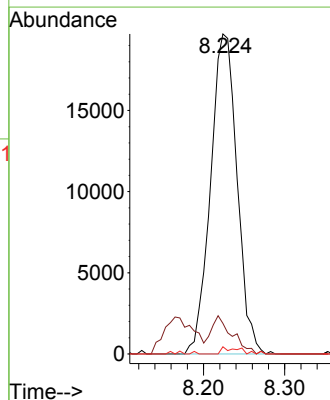
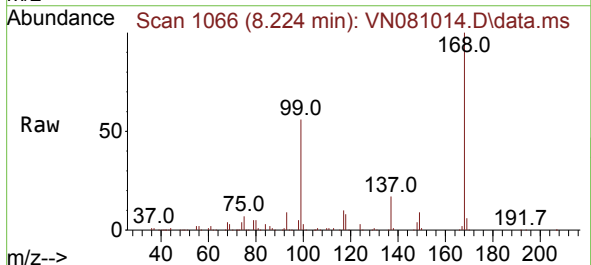
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

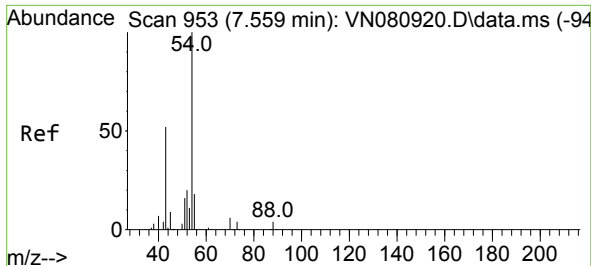
Tgt Ion:113 Resp: 277453
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 19.1 12.5 18.7#



#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 75 Resp: 44771
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 1.5 25.8 38.6#

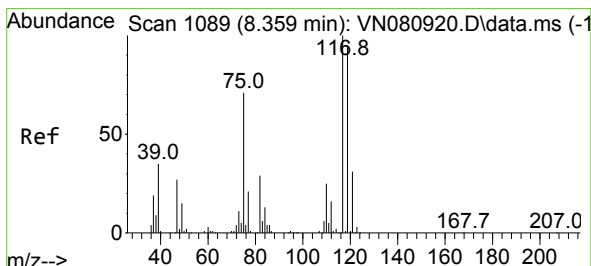
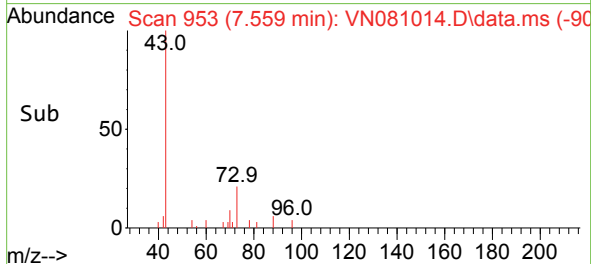
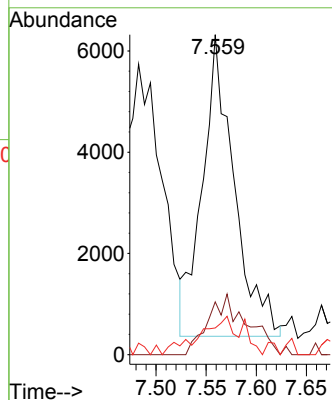
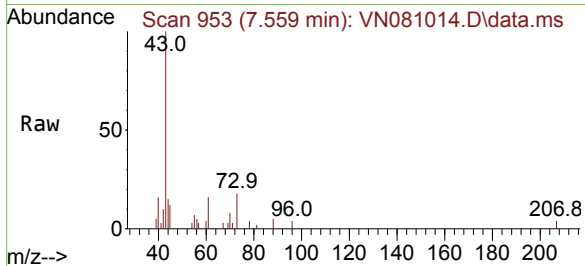




#37
Ethyl Acetate
Concen: 1.971 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

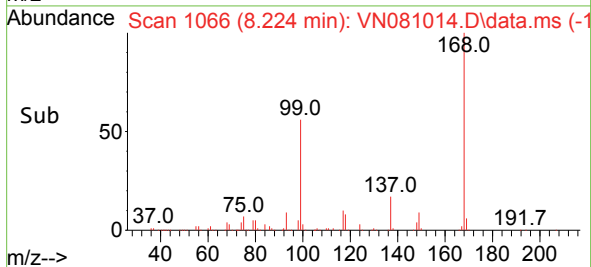
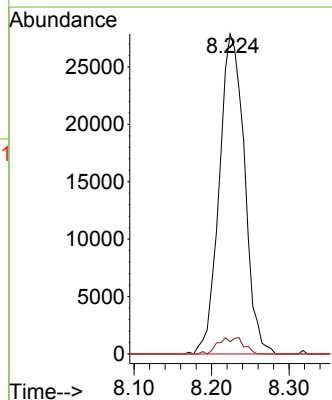
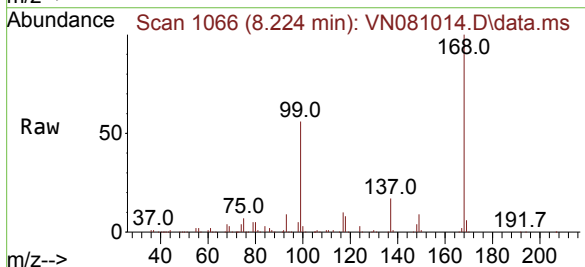
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

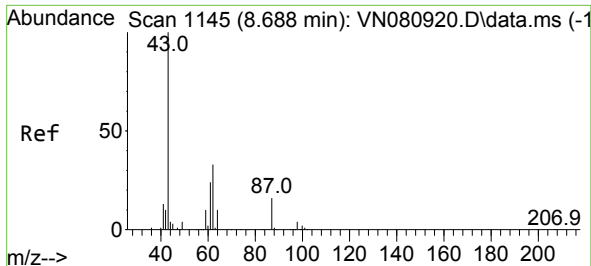
Tgt Ion: 43 Resp: 13143
Ion Ratio Lower Upper
43 100
61 9.7 10.6 15.8#
70 14.1 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.974 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 117 Resp: 63017
Ion Ratio Lower Upper
117 100
119 3.9 73.4 110.2#
121 0.0 24.4 36.6#

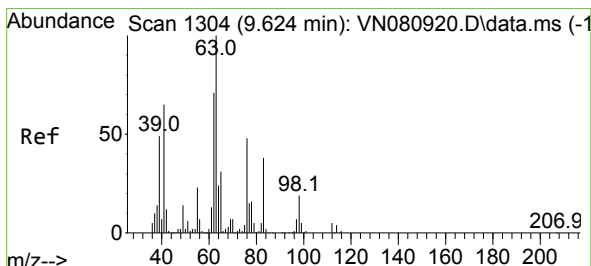
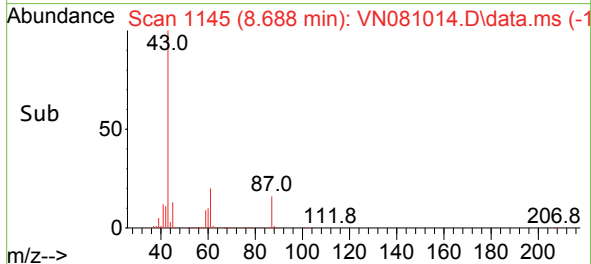
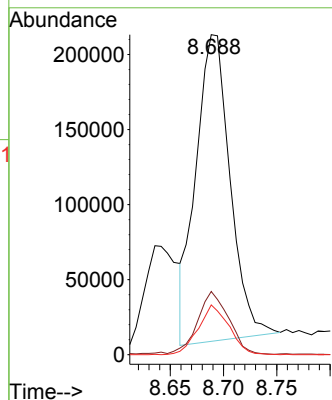
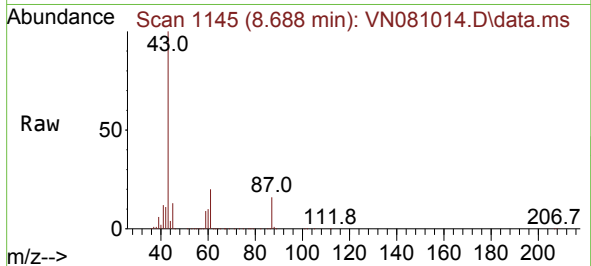




#43
Isopropyl Acetate
Concen: 37.224 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

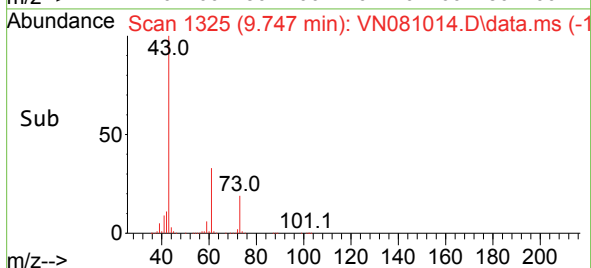
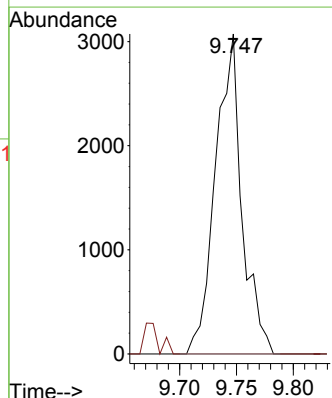
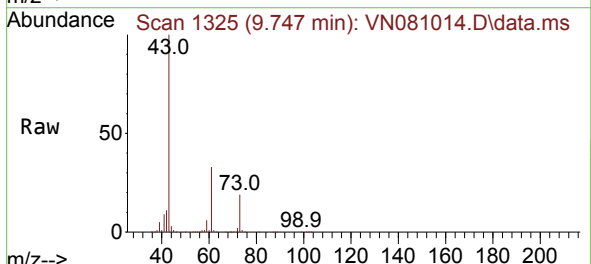
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

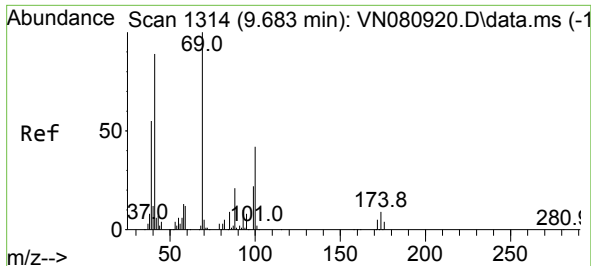
Tgt Ion: 43 Resp: 456535
Ion Ratio Lower Upper
43 100
61 19.1 19.9 29.9#
87 14.6 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.687 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 63 Resp: 4970
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

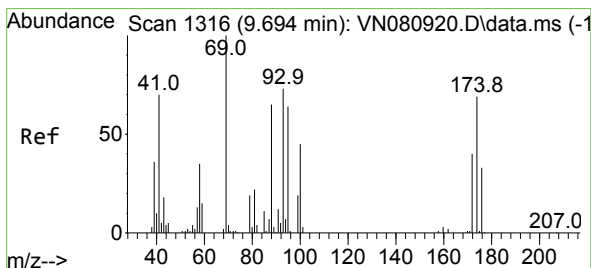
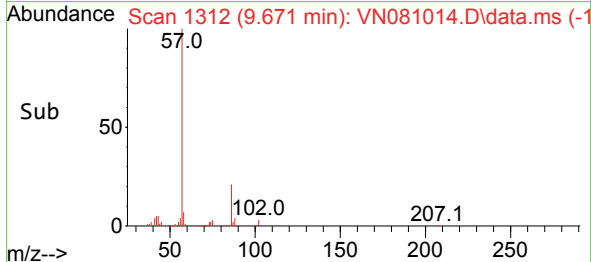
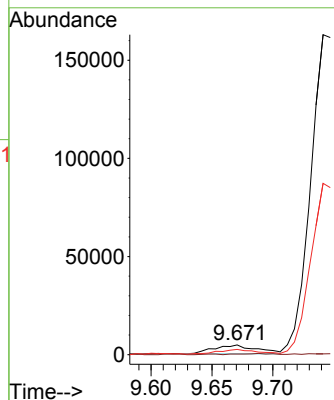
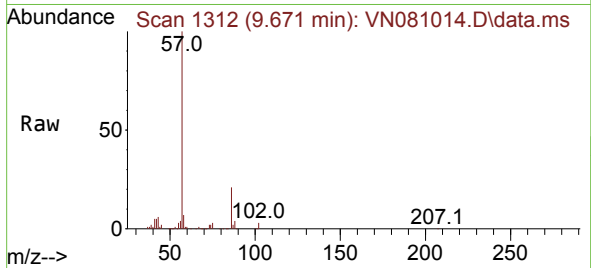




#48
Methyl methacrylate
Concen: 1.598 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

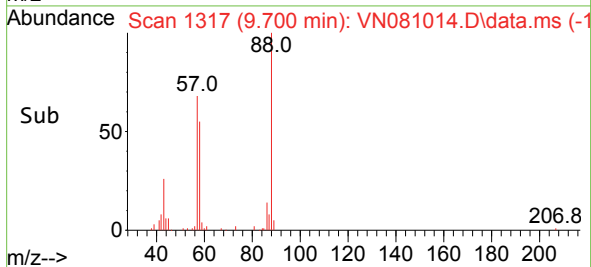
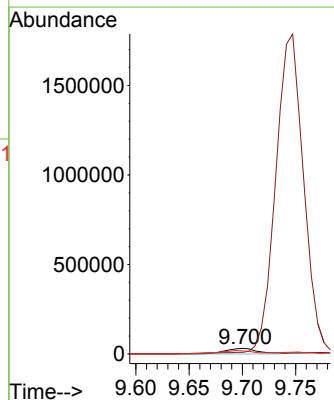
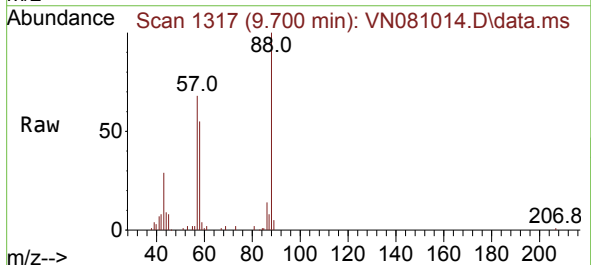
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

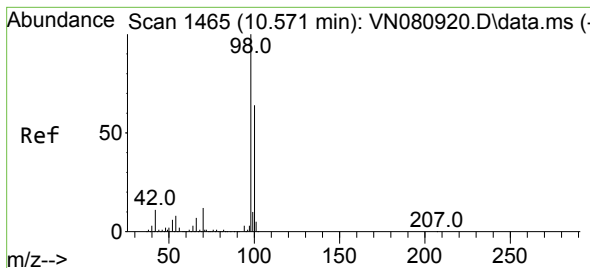
Tgt Ion: 41 Resp: 11040
Ion Ratio Lower Upper
41 100
69 2.6 62.2 93.2#
39 44.2 47.6 71.4#



#49
1,4-Dioxane
Concen: 528.366 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 88 Resp: 67413
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 66.6 63.9 95.9

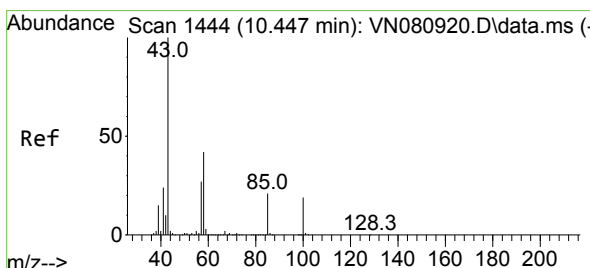
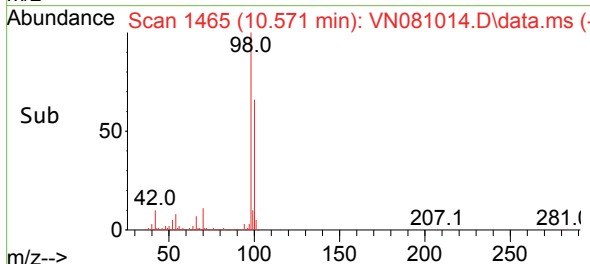
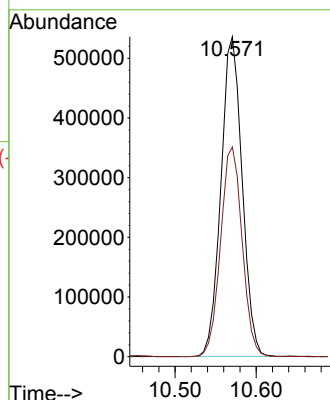
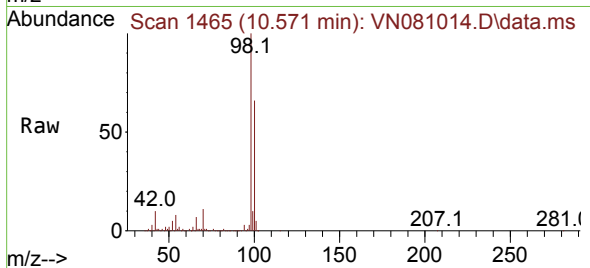




#50
Toluene-d8
Concen: 45.461 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

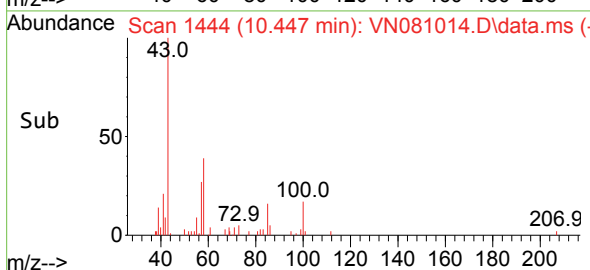
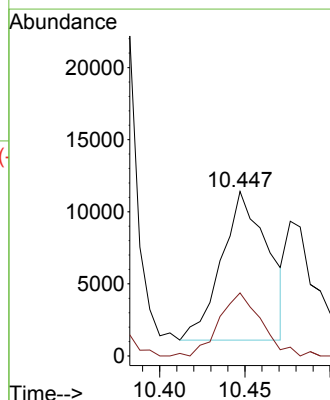
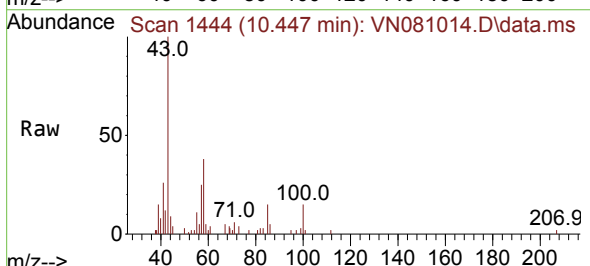
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

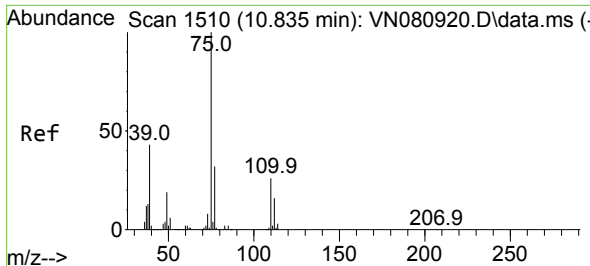
Tgt Ion: 98 Resp: 974297
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.633 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 43 Resp: 19460
Ion Ratio Lower Upper
43 100
58 38.9 29.4 44.0

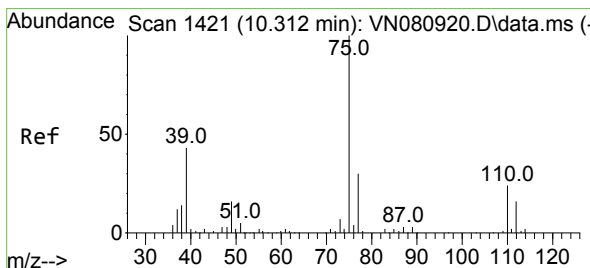
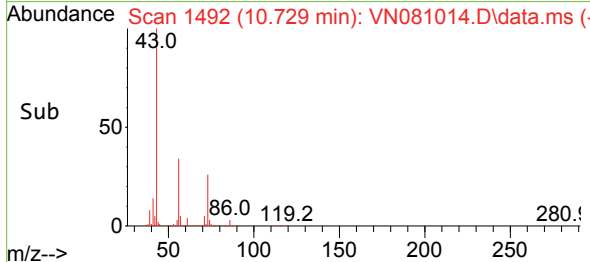
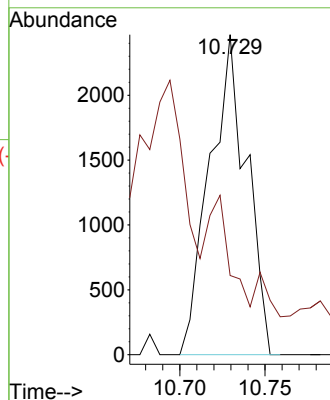
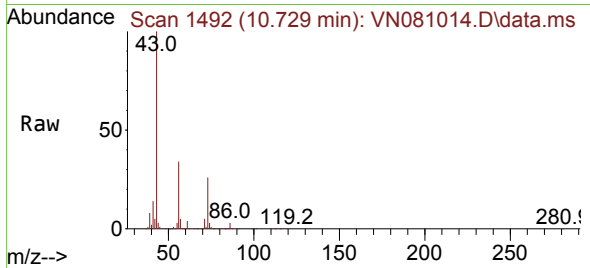




#53
t-1,3-Dichloropropene
Concen: 0.366 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

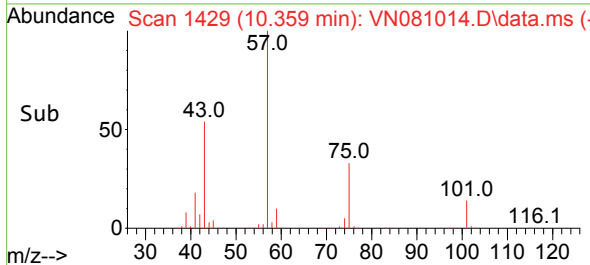
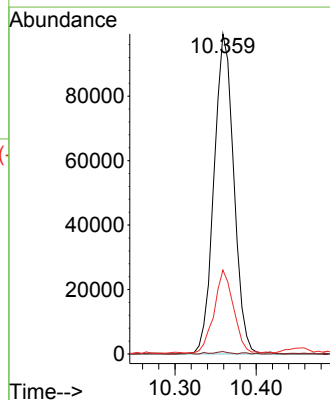
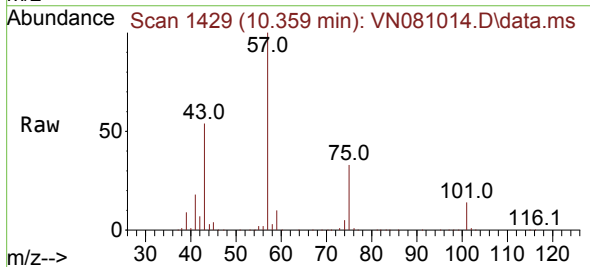
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

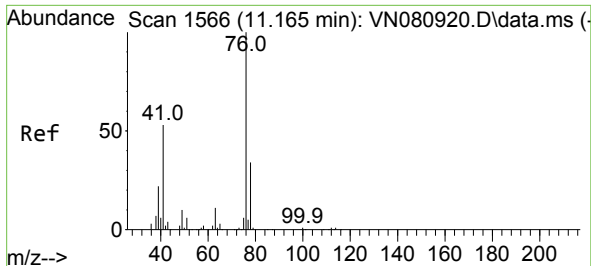
Tgt Ion: 75 Resp: 3713
Ion Ratio Lower Upper
75 100
77 12.9 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 14.842 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 75 Resp: 168797
Ion Ratio Lower Upper
75 100
77 0.6 23.3 34.9#
39 25.7 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.887 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN081014.D

Acq: 12 Feb 2024 19:32

Instrument :

MSVOA_N

ClientSampleId :

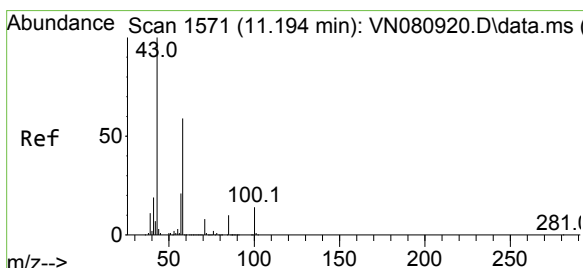
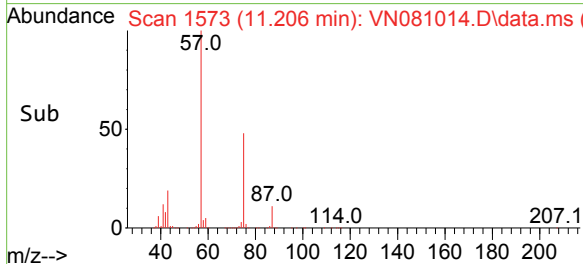
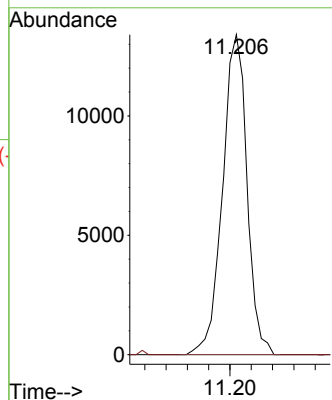
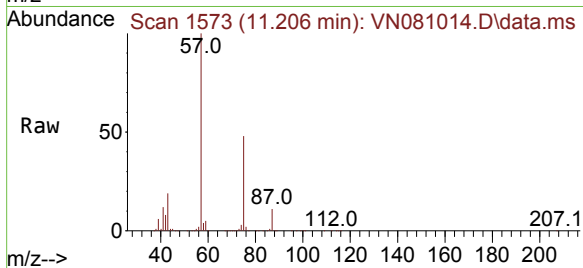
PB158913TB

Tgt Ion: 76 Resp: 21271

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 64.247 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN081014.D

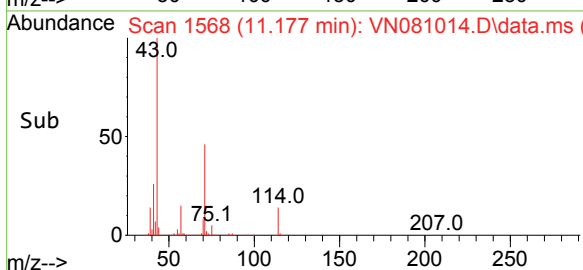
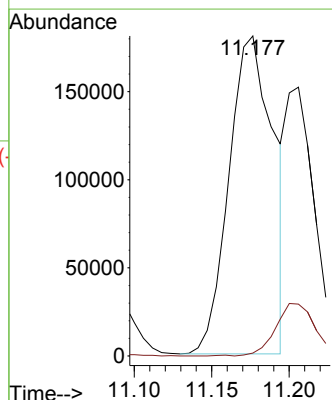
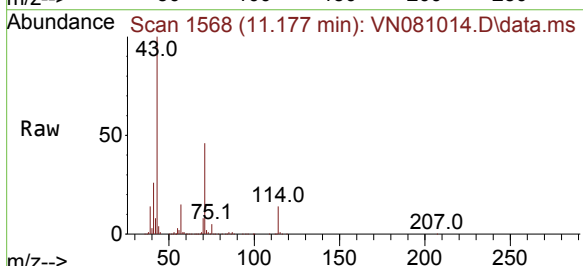
Acq: 12 Feb 2024 19:32

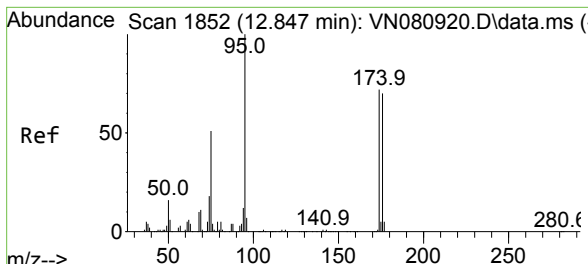
Tgt Ion: 43 Resp: 359909

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

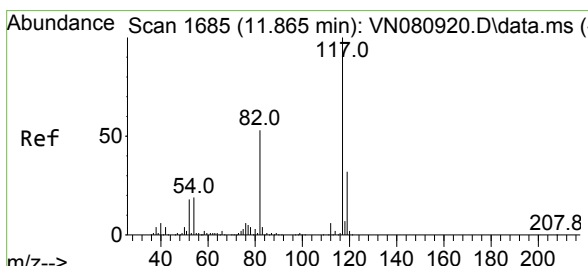
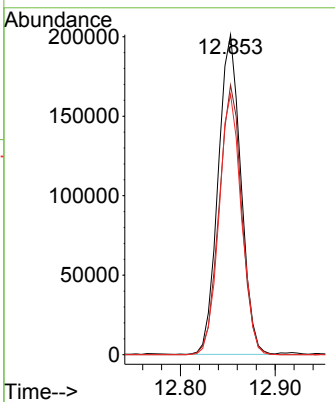
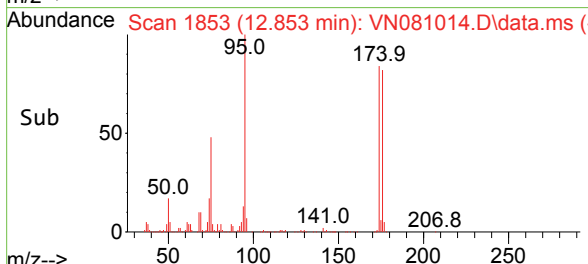
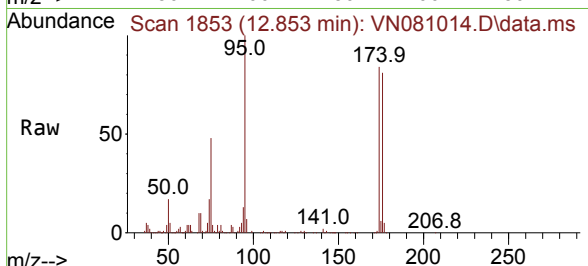




#62
 4-Bromofluorobenzene
 Concen: 43.045 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081014.D
 Acq: 12 Feb 2024 19:32

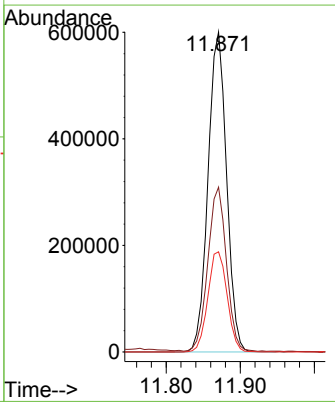
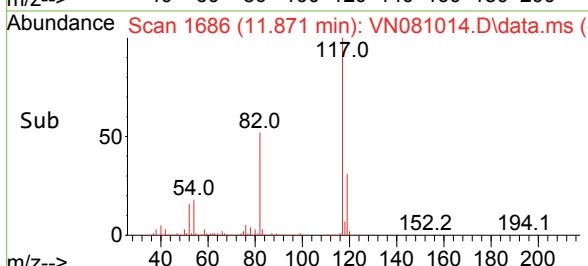
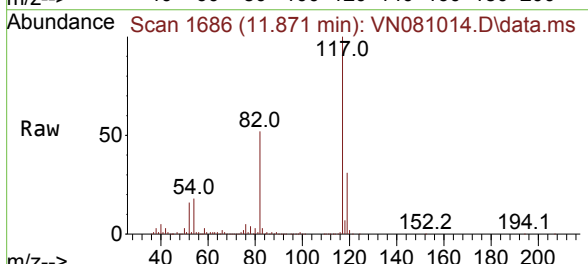
Instrument :
 MSVOA_N
 ClientSampleId :
 PB158913TB

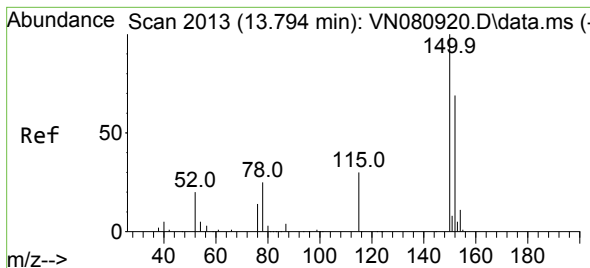
Tgt Ion:	95	Resp:	335132
Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	120.4
176	80.3	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081014.D
 Acq: 12 Feb 2024 19:32

Tgt Ion:	117	Resp:	1041573
Ion	Ratio	Lower	Upper
117	100		
82	51.2	52.7	79.1#
119	31.3	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: VN081014.D

Acq: 12 Feb 2024 19:32

Instrument :

MSVOA_N

ClientSampleId :

PB158913TB

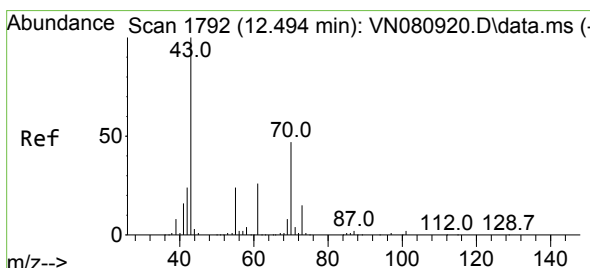
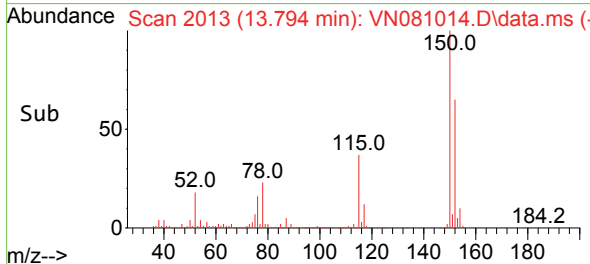
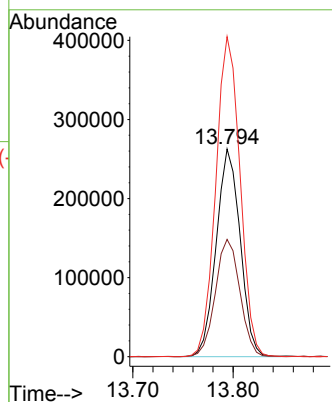
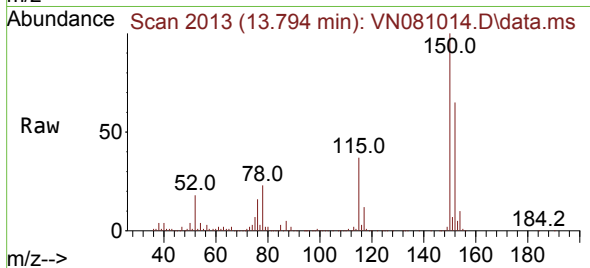
Tgt Ion:152 Resp: 434887

Ion Ratio Lower Upper

152 100

115 58.1 32.3 96.8

150 156.1 0.0 339.8



#74

N-ethyl acetate

Concen: 0.222 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN081014.D

Acq: 12 Feb 2024 19:32

Tgt Ion: 43 Resp: 2708

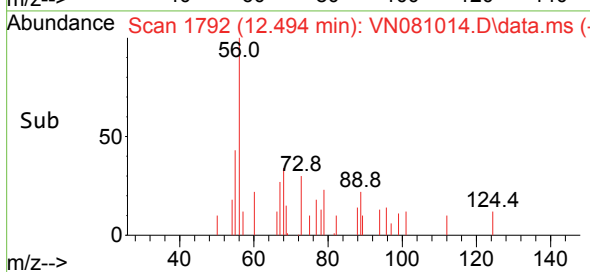
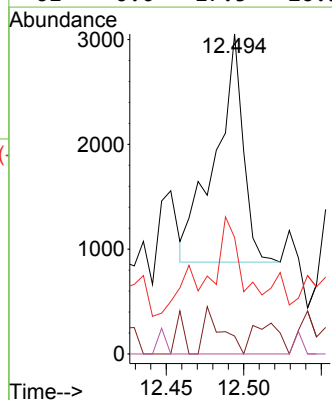
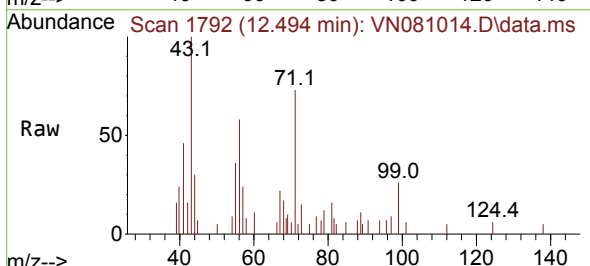
Ion Ratio Lower Upper

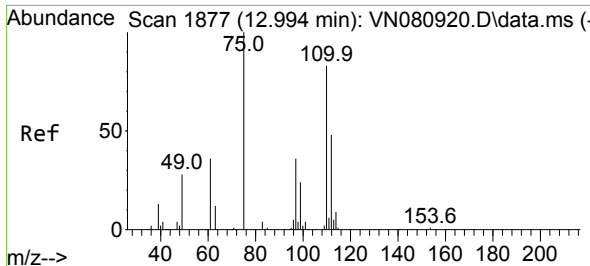
43 100

70 13.6 30.1 45.1#

55 35.2 17.0 25.4#

61 0.0 17.5 26.3#

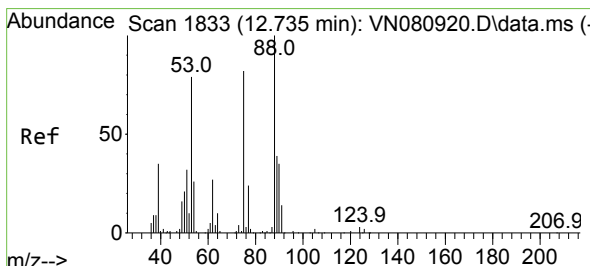
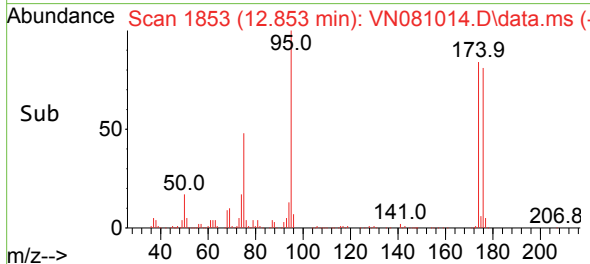
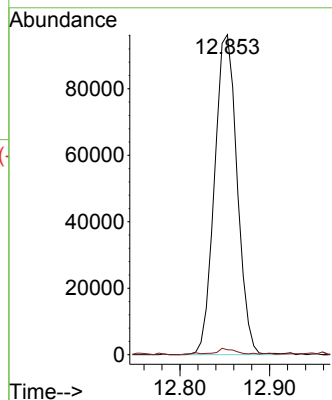
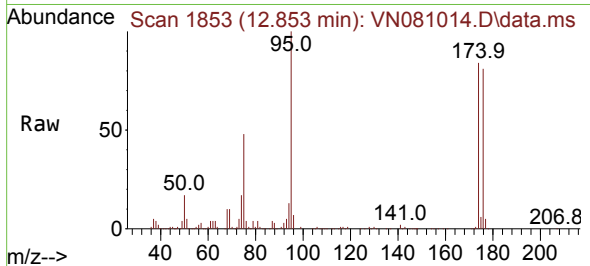




#76
1,2,3-Trichloropropane
Concen: 19.030 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

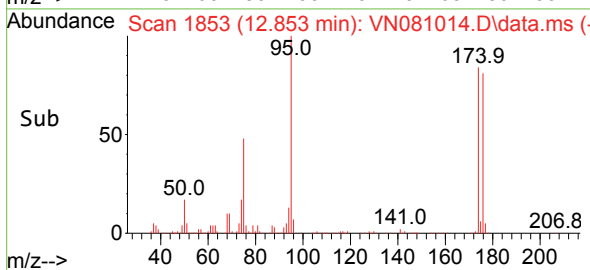
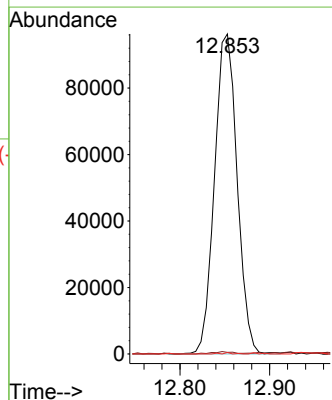
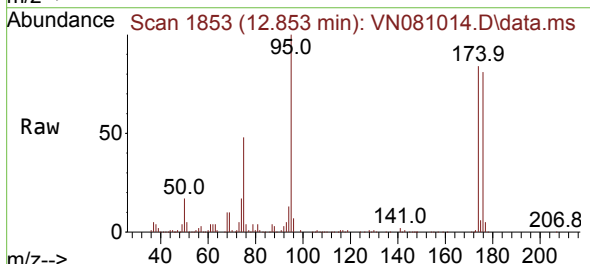
Instrument :
MSVOA_N
ClientSampleId :
PB158913TB

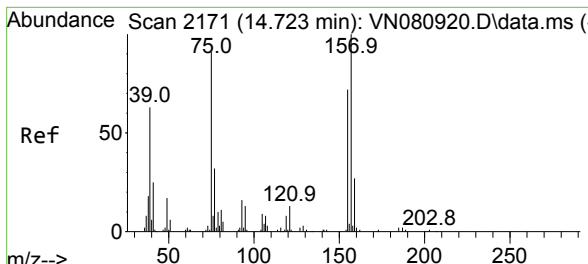
Tgt Ion: 75 Resp: 168742
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.703 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081014.D
Acq: 12 Feb 2024 19:32

Tgt Ion: 75 Resp: 168742
Ion Ratio Lower Upper
75 100
53 0.7 71.4 107.2#
89 0.2 33.4 50.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.258 ug/l
 RT: 14.735 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN081014.D
 Acq: 12 Feb 2024 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158913TB

Tgt Ion:	75	Resp:	507
Ion	Ratio	Lower	Upper
75	100		
155	12.0	31.8	95.4#
157	0.0	41.1	123.4#

