

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061024\
 Data File : VN082513.D
 Acq On : 10 Jun 2024 13:54
 Operator : JC\MD
 Sample : P2740-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 01:06:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

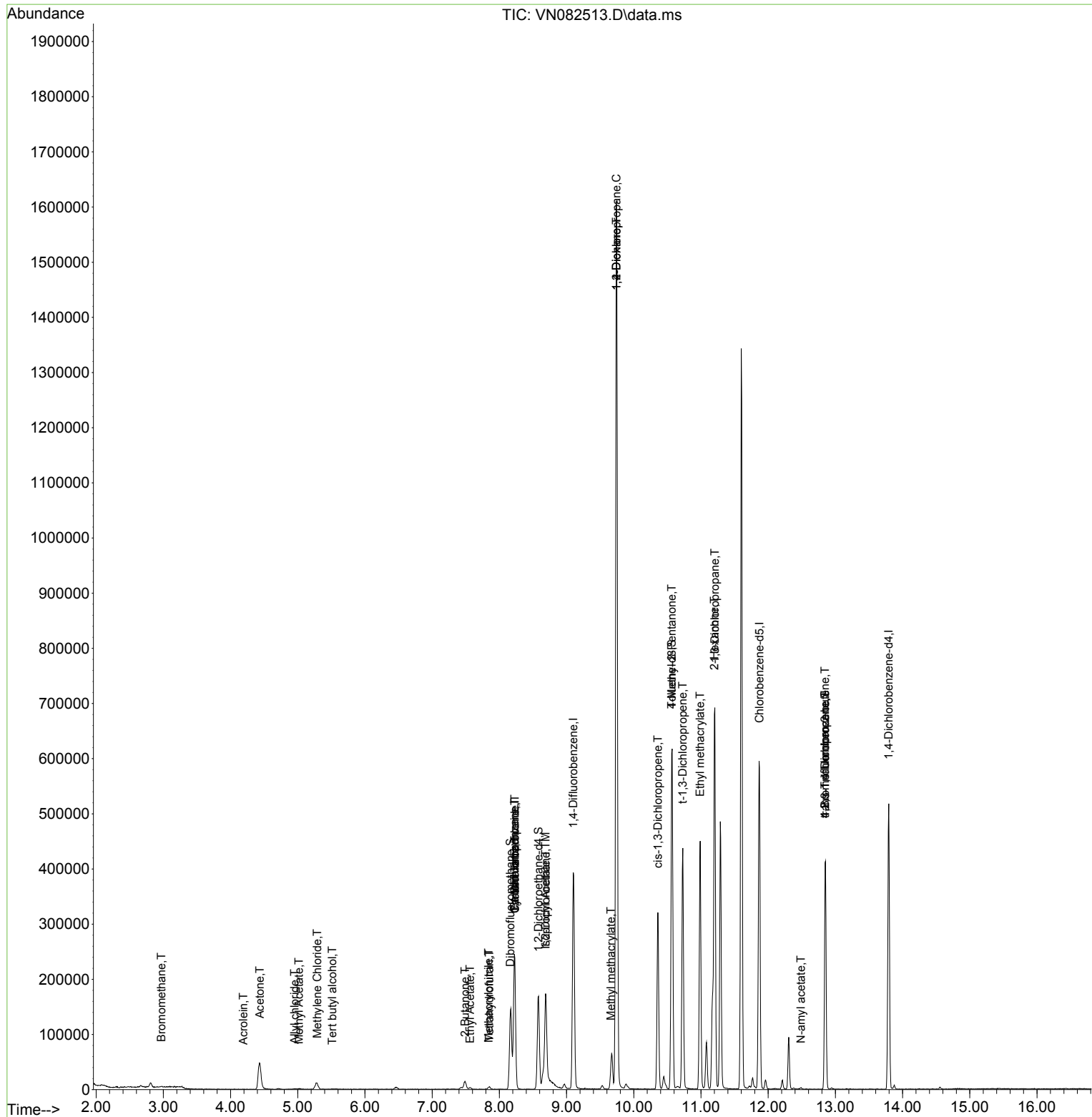
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

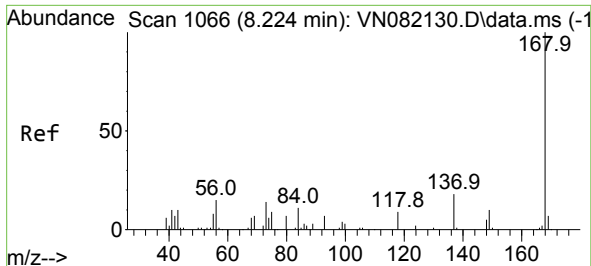
Internal Standards						
1) Pentafluorobenzene	8.224	168	168308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	319627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135834	51.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	8.165	113	102771	53.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	10.565	98	398207	53.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.180%			
62) 4-Bromofluorobenzene	12.847	95	132363	49.904	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 99.800%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	479	0.322	ug/l #	76
11) Tert butyl alcohol	5.512	59	449	1.052	ug/l #	71
13) Acrolein	4.189	56	136	0.430	ug/l #	15
14) Allyl chloride	4.953	41	1753	0.445	ug/l #	16
16) Acetone	4.436	43	96511	88.526	ug/l	91
18) Methyl Acetate	5.018	43	2269	0.836	ug/l #	54
20) Methylene Chloride	5.289	84	8389	3.814	ug/l #	68
25) 2-Butanone	7.488	43	25277	15.292	ug/l #	85
29) Tetrahydrofuran	7.853	42	3601	3.393	ug/l #	75
31) Cyclohexane	8.230	56	4500	1.060	ug/l #	60
36) 1,1-Dichloropropene	8.230	75	15946	4.905	ug/l #	49
37) Ethyl Acetate	7.565	43	4351	1.196	ug/l #	83
38) Carbon Tetrachloride	8.230	117	18468	5.604	ug/l #	17
41) Methacrylonitrile	7.841	41	1094	0.511	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	1135	0.304	ug/l #	73
43) Isopropyl Acetate	8.688	43	229334	35.576	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1970	0.788	ug/l #	45
48) Methyl methacrylate	9.659	41	5198	1.692	ug/l #	35
49) 1,4-Dioxane	9.741	88	173	4.019	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	9498	2.593	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	935	0.261	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	48755	12.847	ug/l #	76
56) Ethyl methacrylate	10.988	69	1614	0.450	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6171	1.561	ug/l #	42
59) 2-Hexanone	11.200	43	106053	39.546	ug/l #	47
74) N-amyl acetate	12.488	43	2035	0.358	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	76392	27.928	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76392	65.322	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :

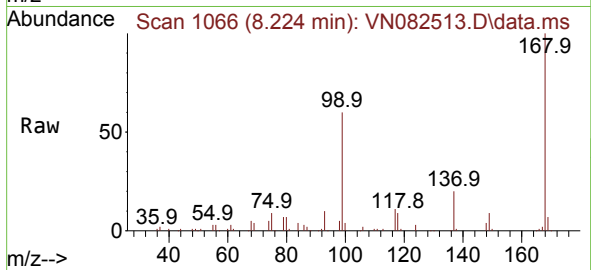
Instrument :
MSVOA_N
ClientSampleId :



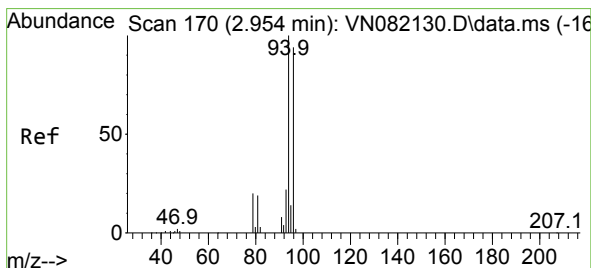
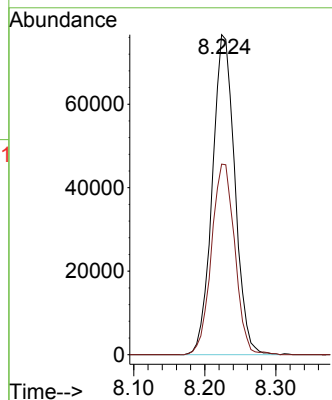
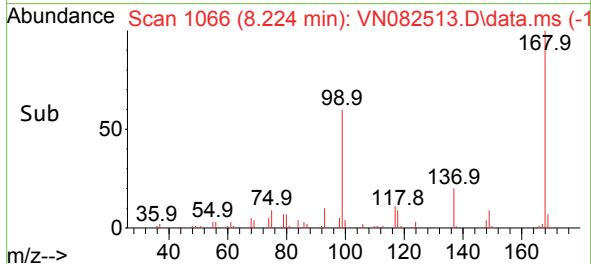


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :

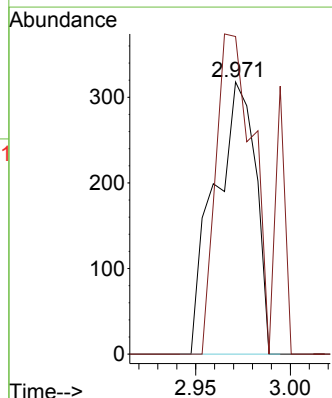
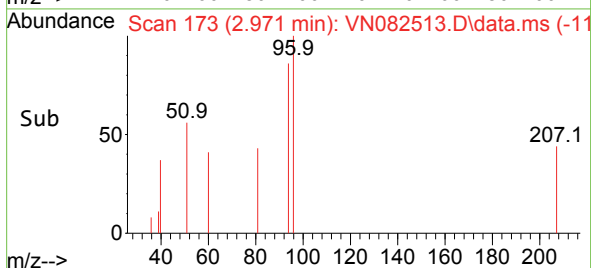
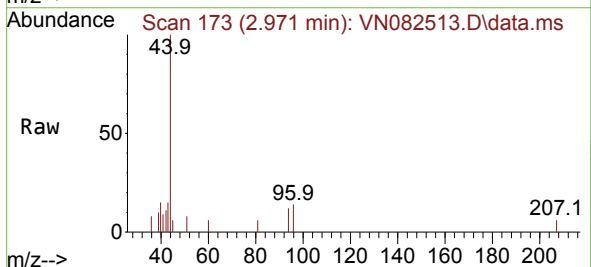


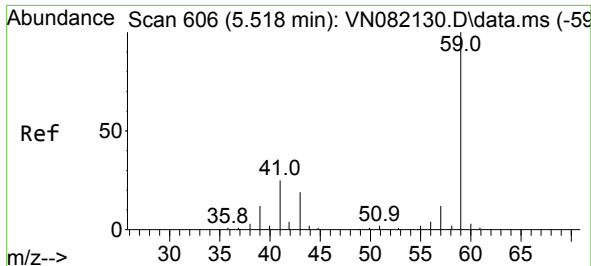
Tgt Ion:168 Resp: 168308
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4



#5
Bromomethane
Concen: 0.322 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

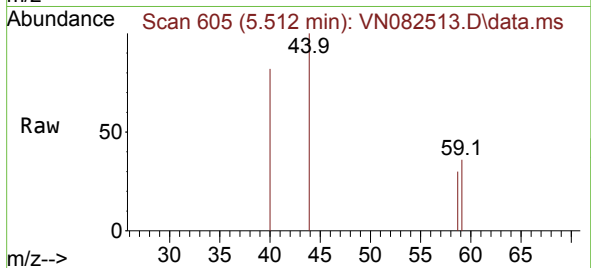
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 116.7 74.8 112.2#



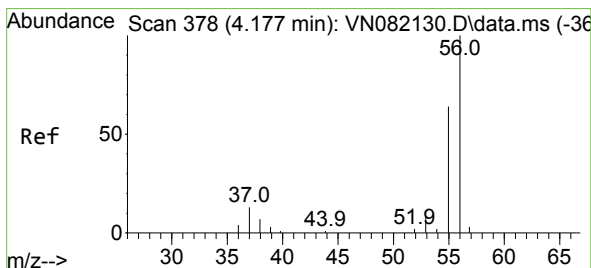
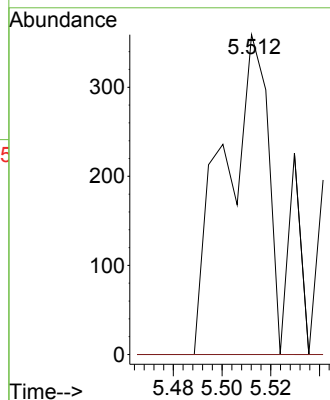
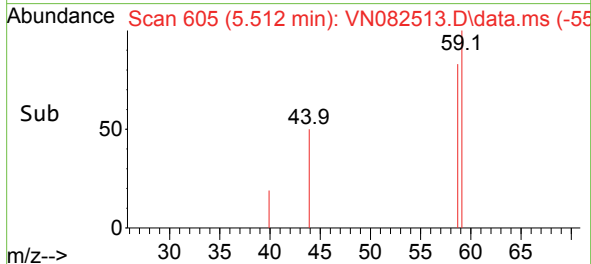


#11
Tert butyl alcohol
Concen: 1.052 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

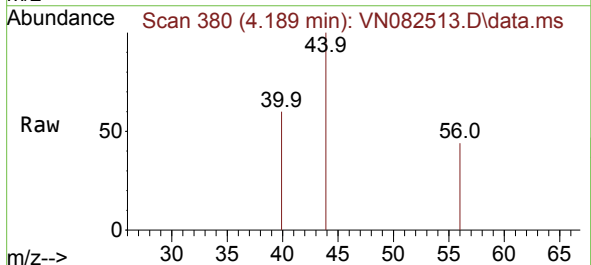
Instrument :
MSVOA_N
ClientSampleId :



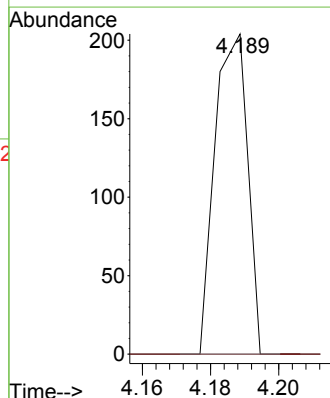
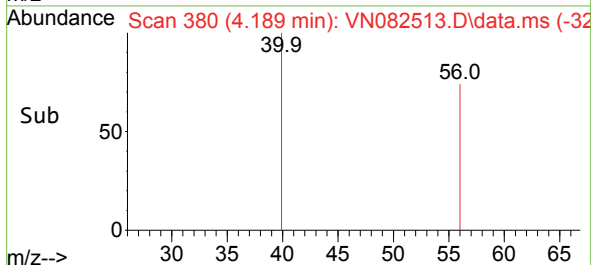
Tgt Ion: 59 Resp: 449
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

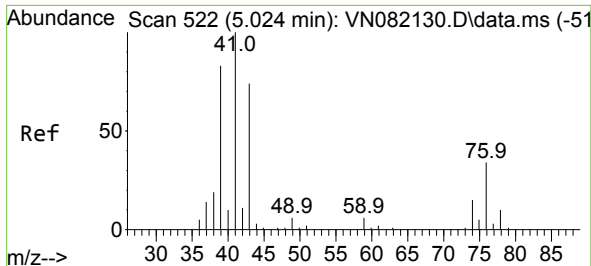


#13
Acrolein
Concen: 0.430 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54



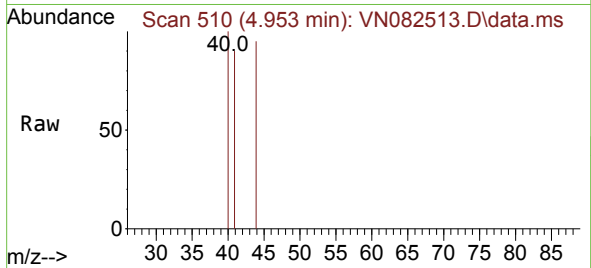
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



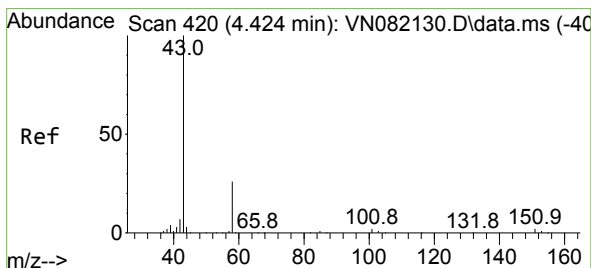
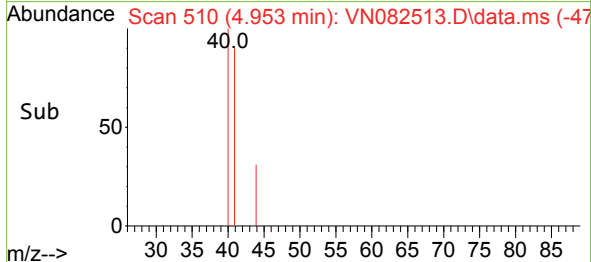
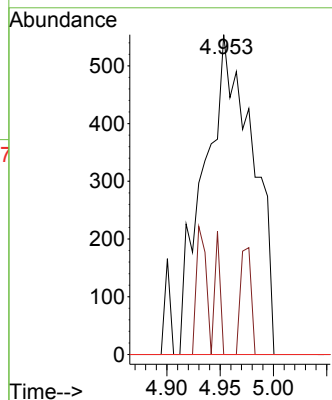


#14
 Allyl chloride
 Concen: 0.445 ug/l
 RT: 4.953 min Scan# 51
 Delta R.T. -0.071 min
 Lab File: VN082513.D
 Acq: 10 Jun 2024 13:54

Instrument :
 MSVOA_N
 ClientSampleId :

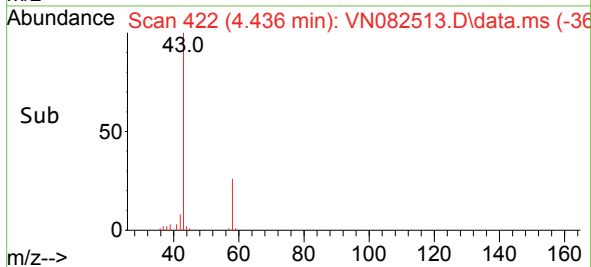
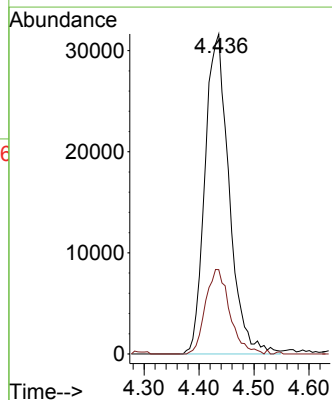
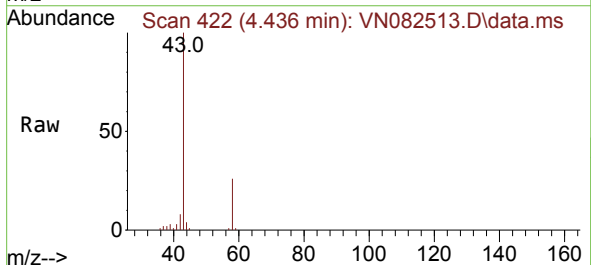


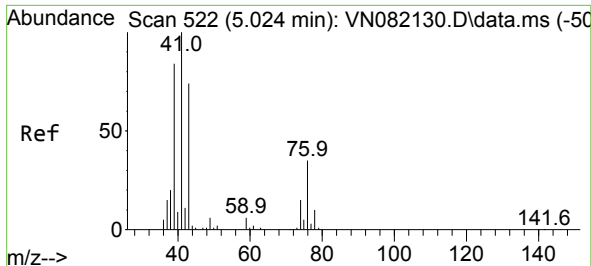
Tgt Ion: 41 Resp: 1753
 Ion Ratio Lower Upper
 41 100
 39 0.0 65.4 98.0#
 76 0.0 37.3 55.9#



#16
 Acetone
 Concen: 88.526 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.012 min
 Lab File: VN082513.D
 Acq: 10 Jun 2024 13:54

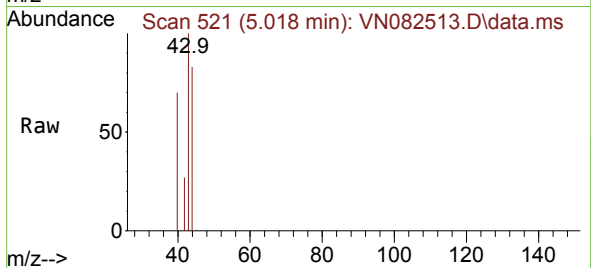
Tgt Ion: 43 Resp: 96511
 Ion Ratio Lower Upper
 43 100
 58 26.4 25.2 37.8



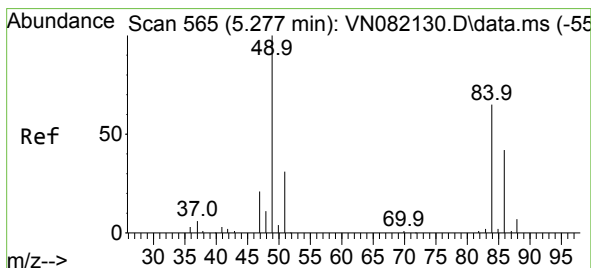
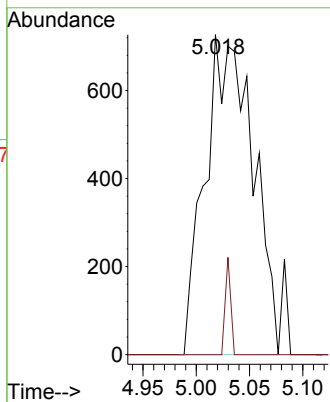
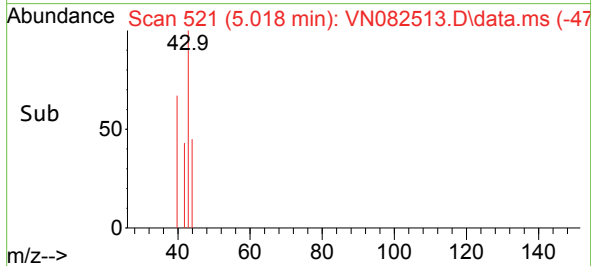


#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :

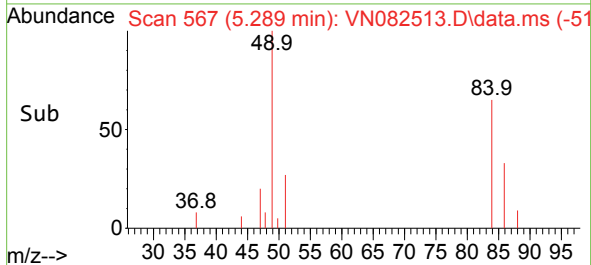
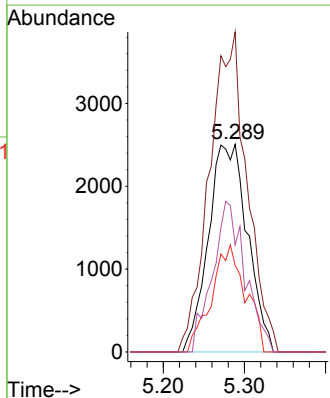
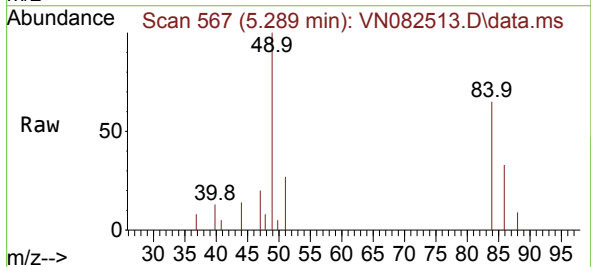


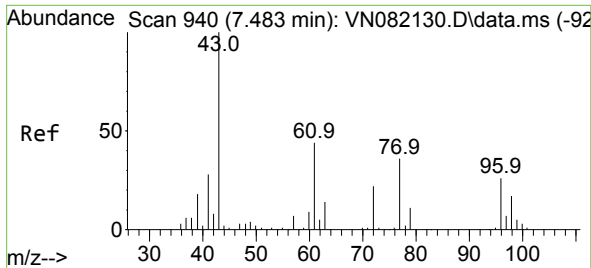
Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
74 3.4 22.2 33.2#



#20
Methylene Chloride
Concen: 3.814 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 84 Resp: 8389
Ion Ratio Lower Upper
84 100
49 154.1 84.9 127.3#
51 41.7 27.0 40.6#
86 51.5 52.3 78.5#

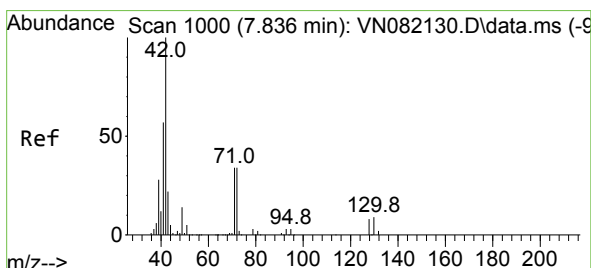
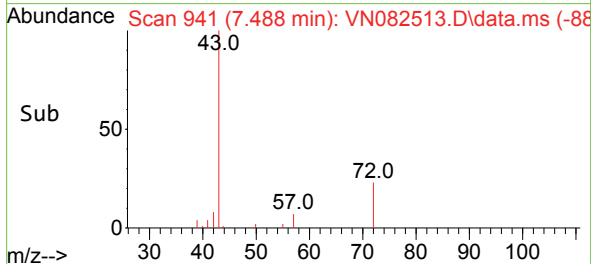
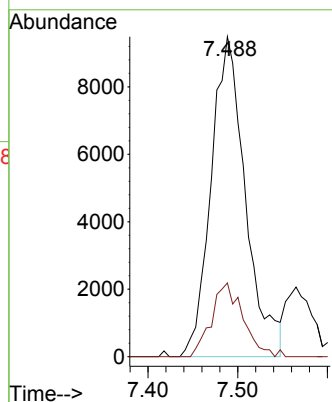
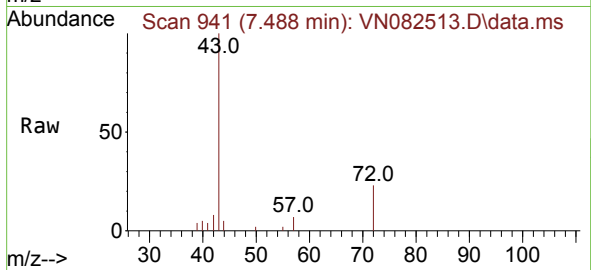




#25
2-Butanone
Concen: 15.292 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

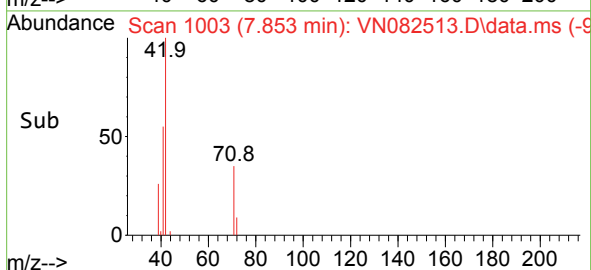
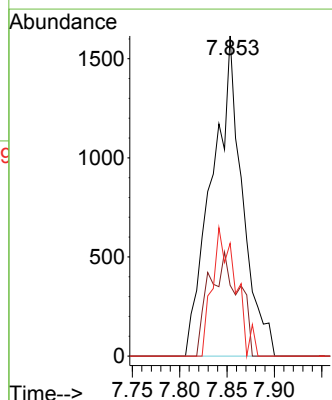
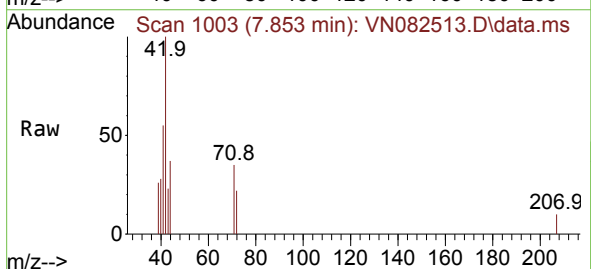
Instrument :
MSVOA_N
ClientSampleId :

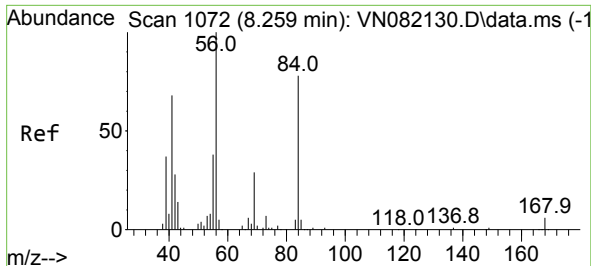
Tgt Ion: 43 Resp: 25277
Ion Ratio Lower Upper
43 100
72 23.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.393 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

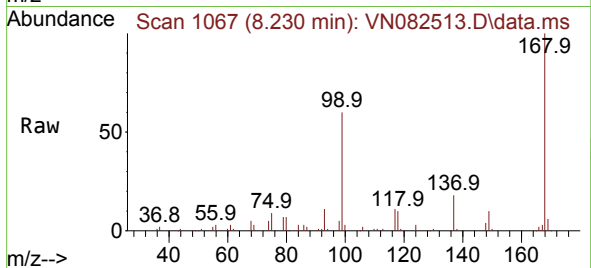
Tgt Ion: 42 Resp: 3601
Ion Ratio Lower Upper
42 100
72 31.5 39.3 58.9#
71 31.1 37.4 56.0#



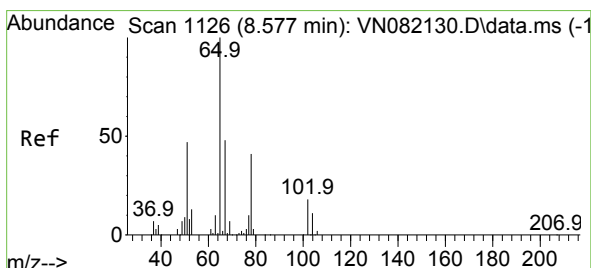
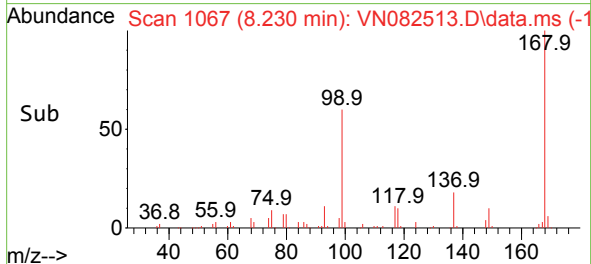
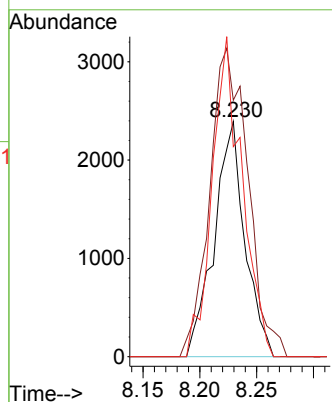


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :

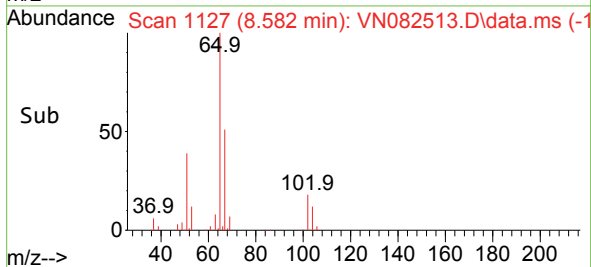
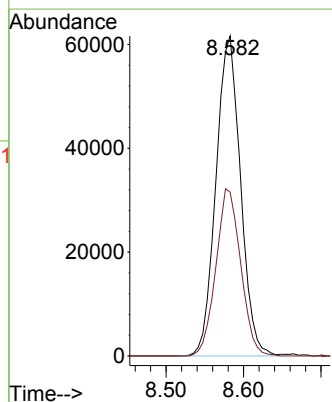
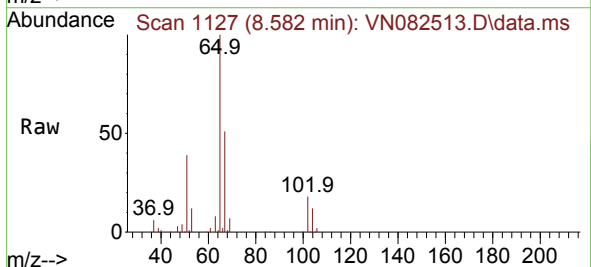


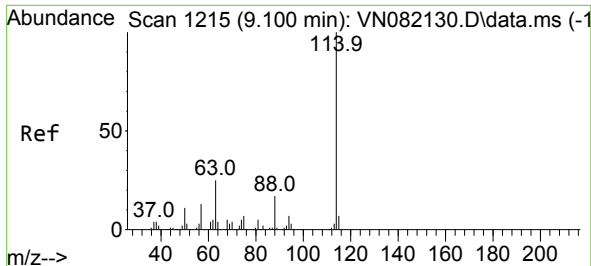
Tgt Ion: 56 Resp: 4500
Ion Ratio Lower Upper
56 100
69 109.1 24.4 36.6#
84 89.4 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.111 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 65 Resp: 135834
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :

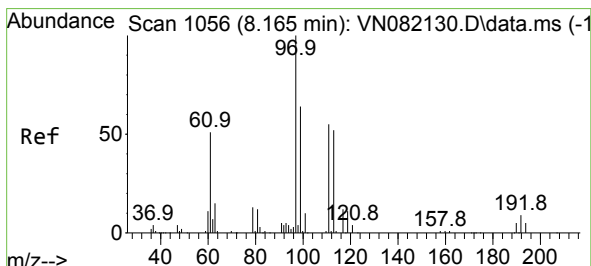
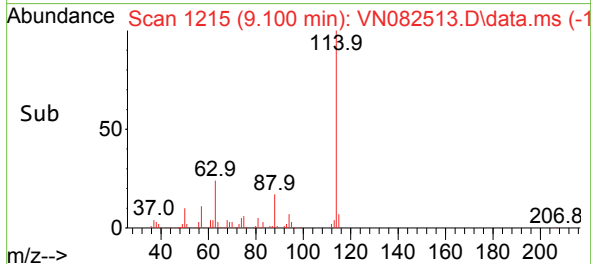
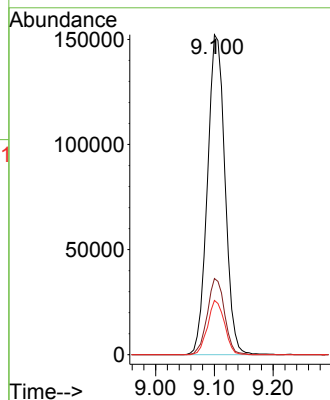
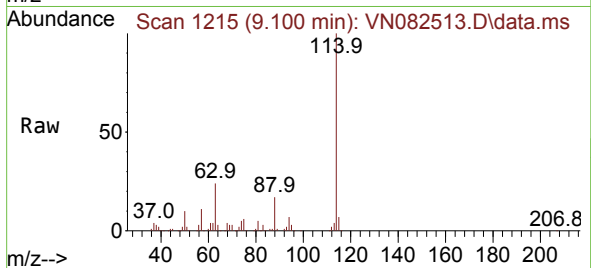
Tgt Ion:114 Resp: 315087

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.022 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

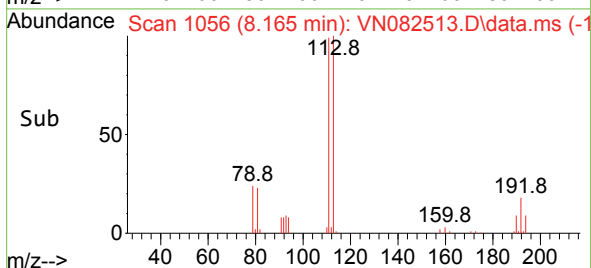
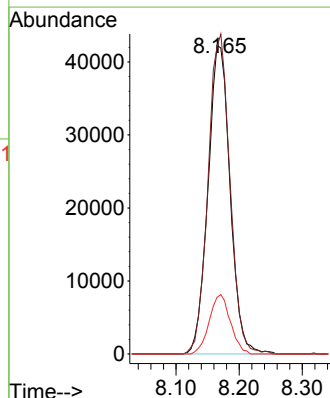
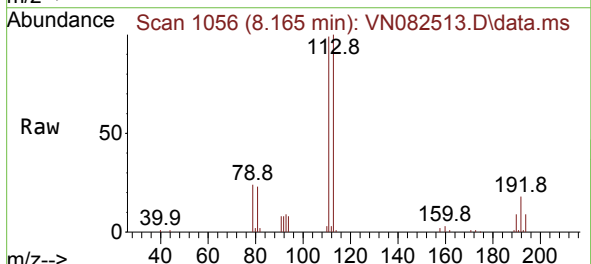
Tgt Ion:113 Resp: 102771

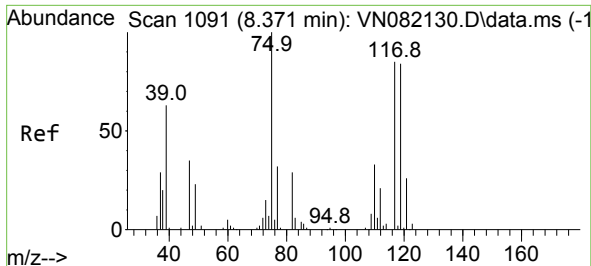
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

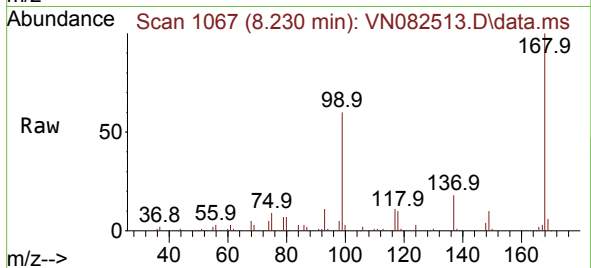
192 18.4 14.0 21.0



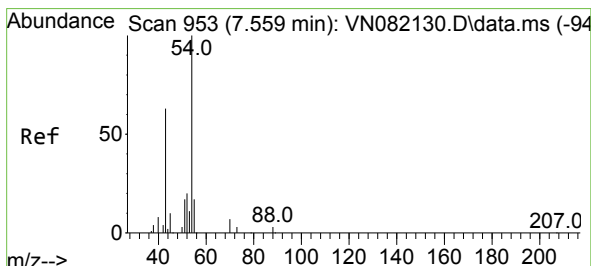
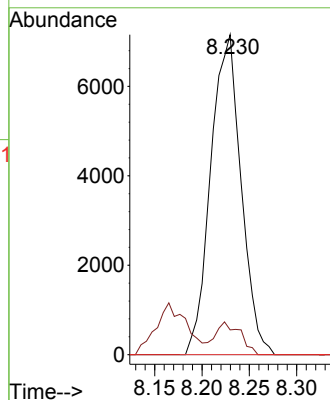
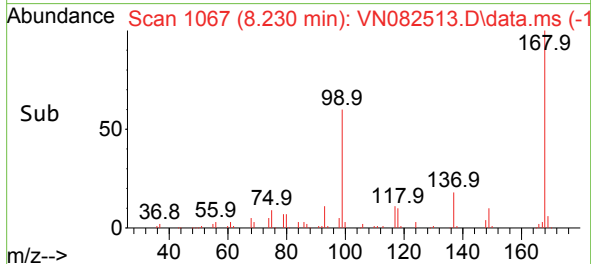


#36
1,1-Dichloropropene
Concen: 4.905 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :

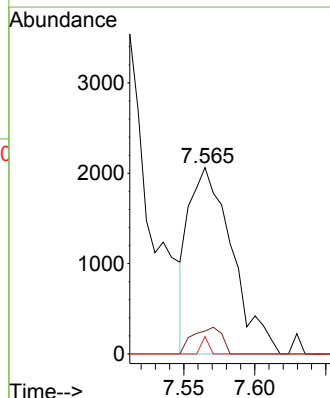
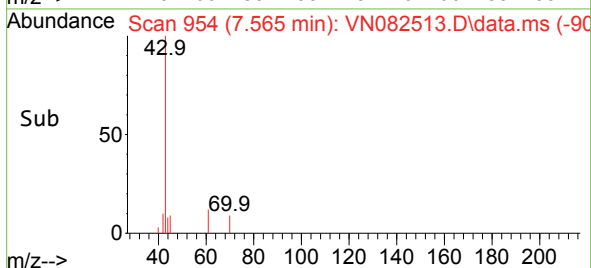
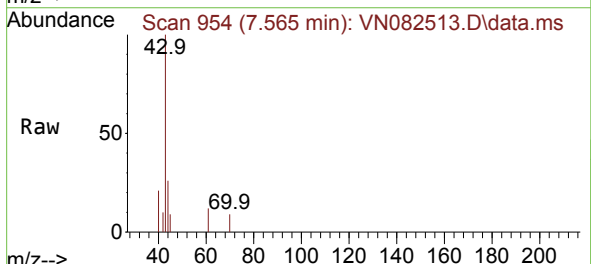


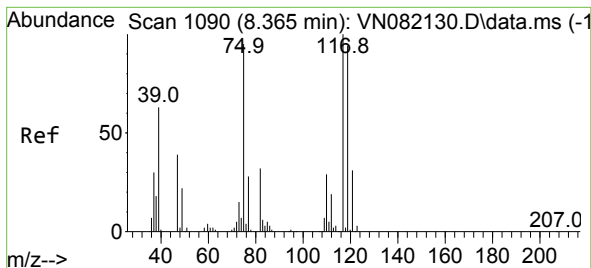
Tgt Ion: 75 Resp: 15946
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.196 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 43 Resp: 4351
Ion Ratio Lower Upper
43 100
61 9.6 11.3 16.9#
70 1.6 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.604 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

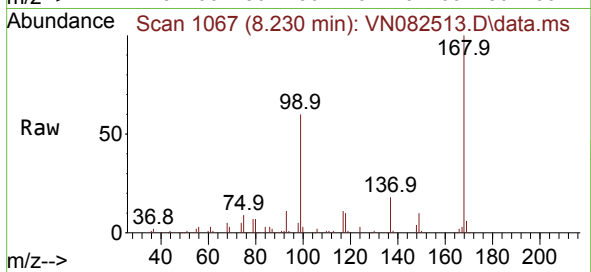
Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :



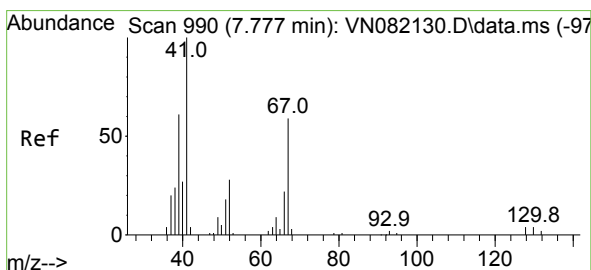
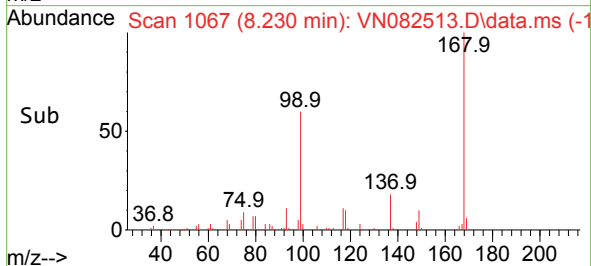
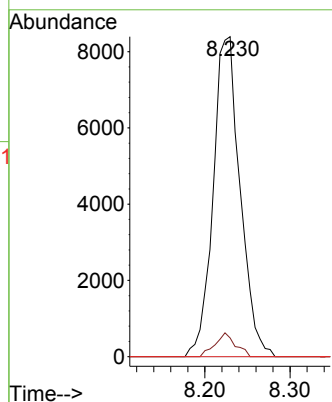
Tgt Ion:117 Resp: 18468

Ion Ratio Lower Upper

117 100

119 5.9 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.511 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.065 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Tgt Ion: 41 Resp: 1094

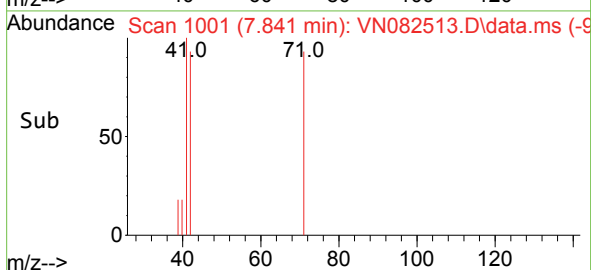
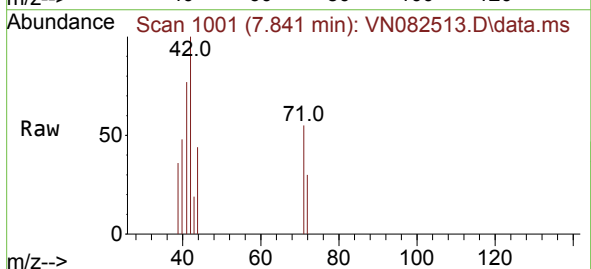
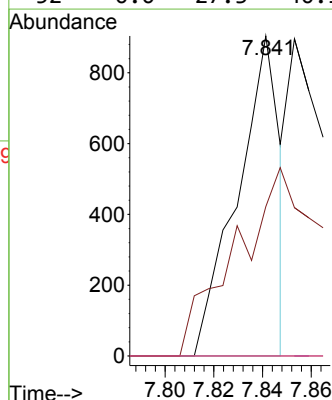
Ion Ratio Lower Upper

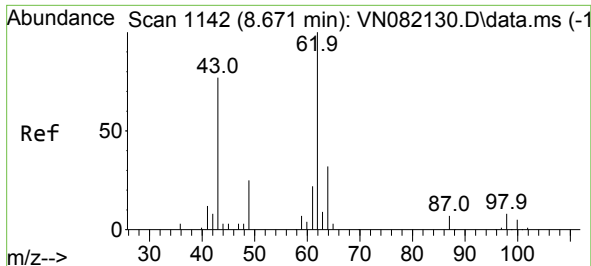
41 100

39 115.9 46.6 69.8#

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.304 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

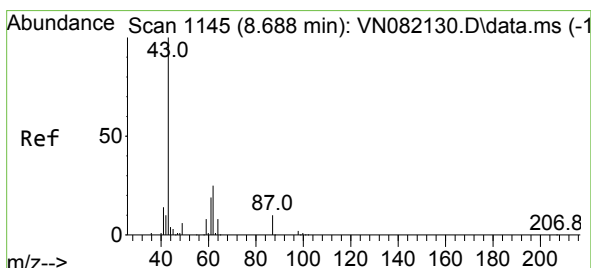
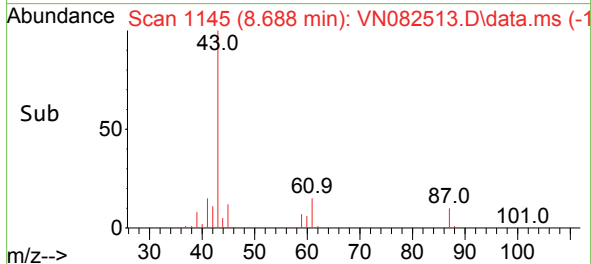
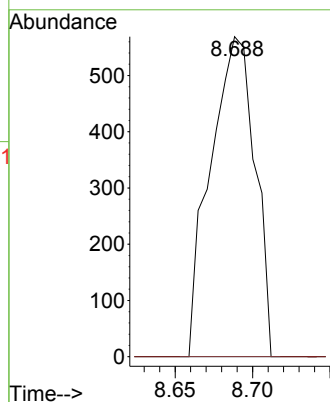
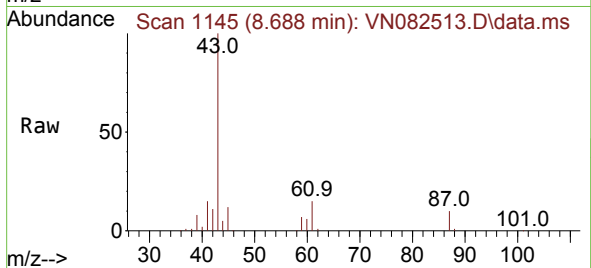
ClientSampleId :

Tgt Ion: 62 Resp: 1135

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 35.576 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

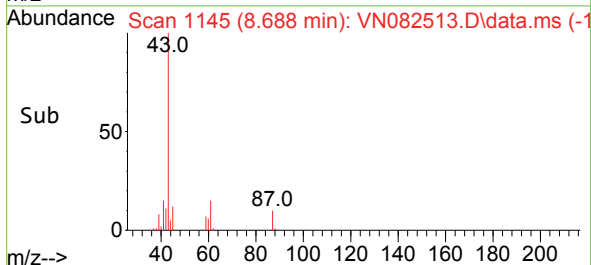
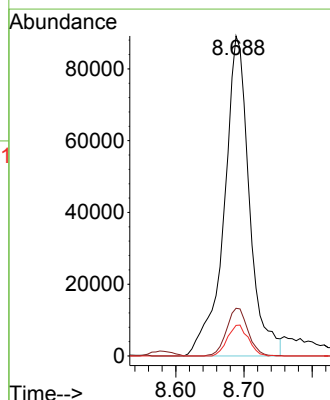
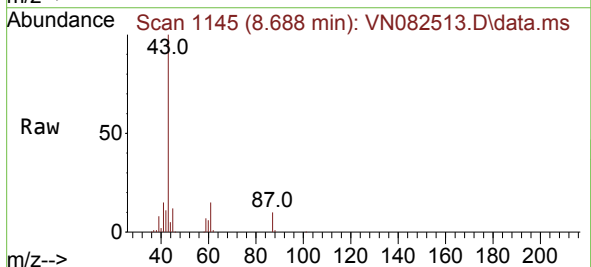
Tgt Ion: 43 Resp: 229334

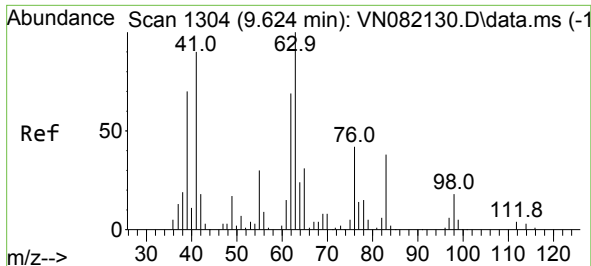
Ion Ratio Lower Upper

43 100

61 12.7 22.8 34.2#

87 8.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.788 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

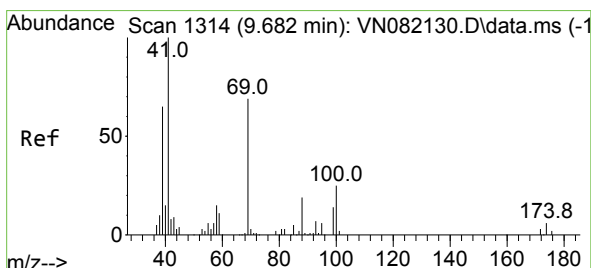
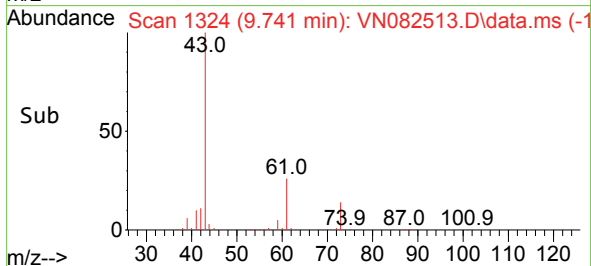
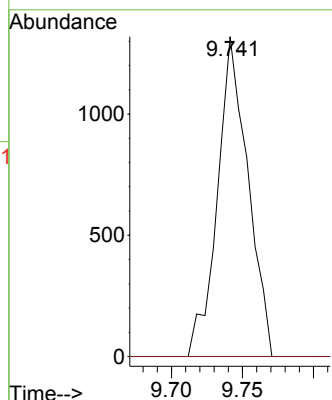
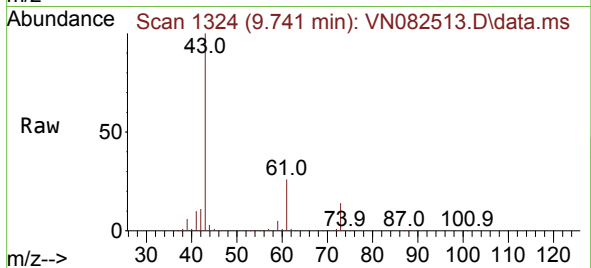
ClientSampleId :

Tgt Ion: 63 Resp: 1970

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.692 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

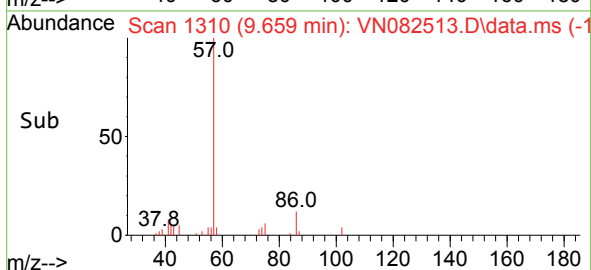
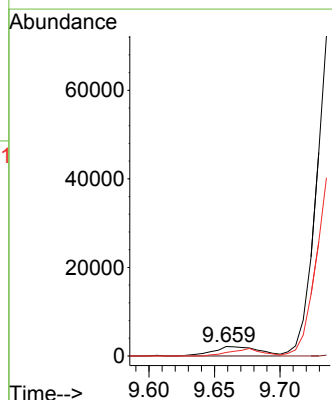
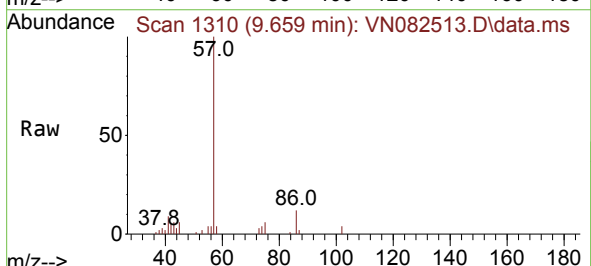
Tgt Ion: 41 Resp: 5198

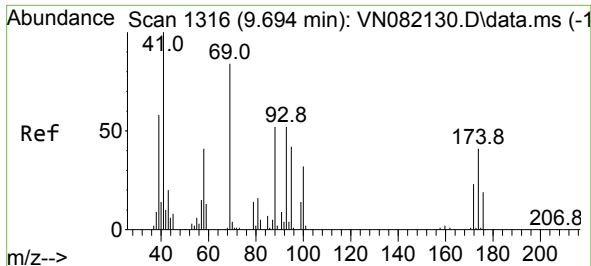
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

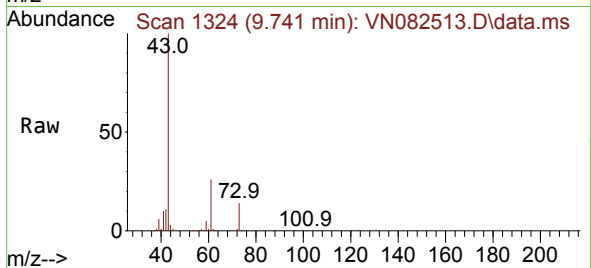
39 54.0 50.9 76.3



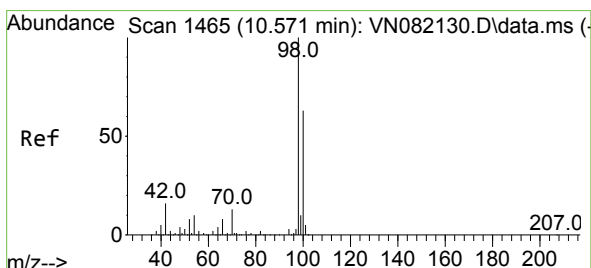
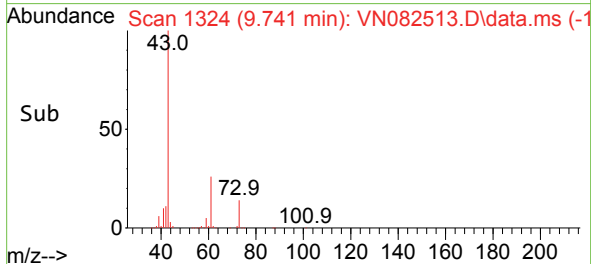
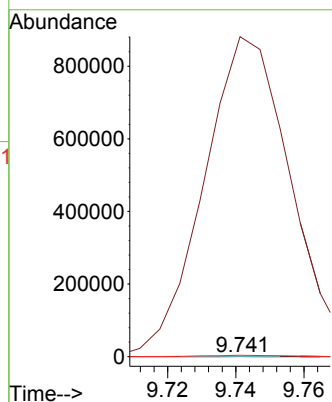


#49
1,4-Dioxane
Concen: 4.019 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :

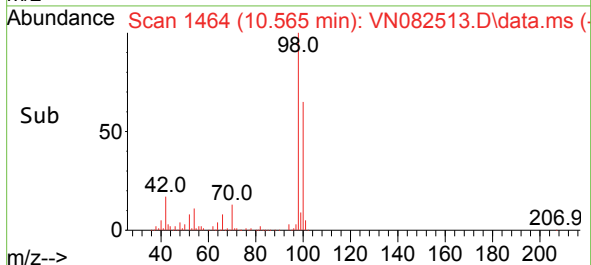
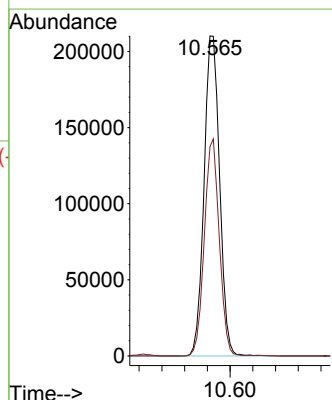
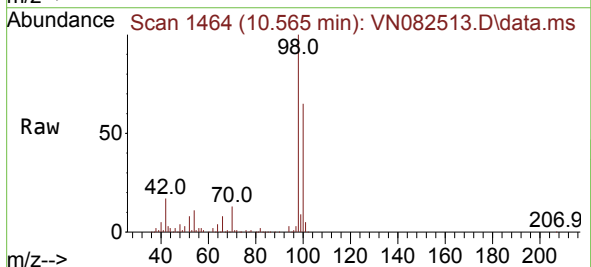


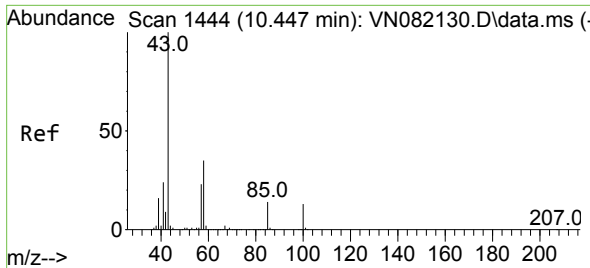
Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 906773.4 19.0 28.6#
58 3956.1 50.6 76.0#



#50
Toluene-d8
Concen: 53.586 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 98 Resp: 398207
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

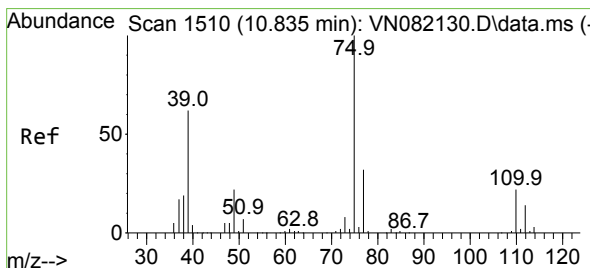
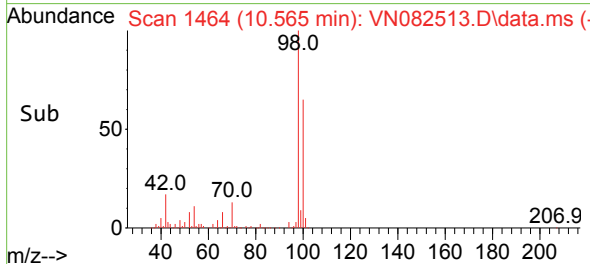
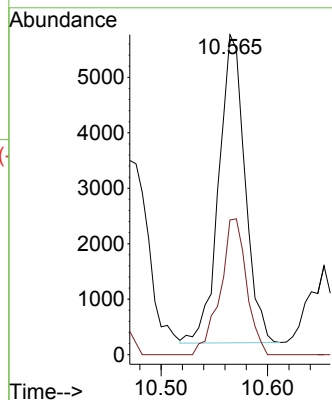
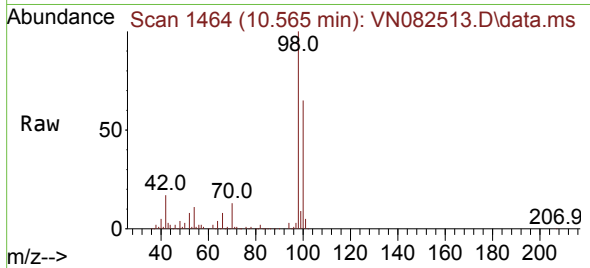




#51
4-Methyl-2-Pentanone
Concen: 2.593 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

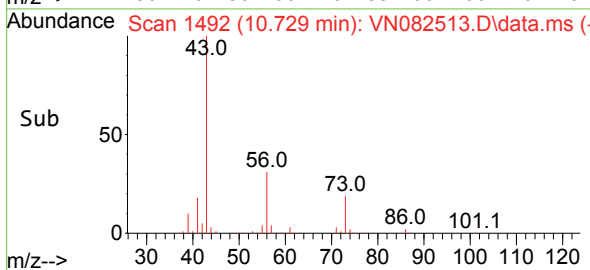
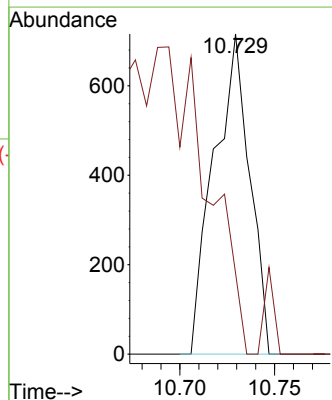
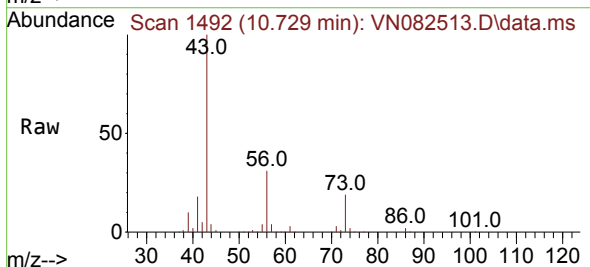
Instrument :
MSVOA_N
ClientSampleId :

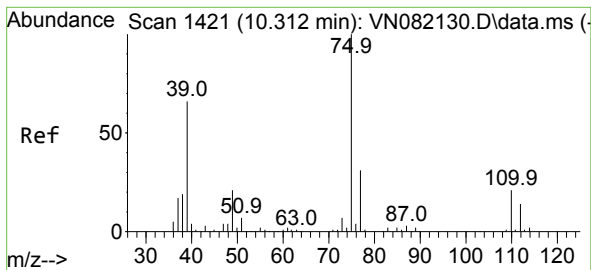
Tgt Ion: 43 Resp: 9498
Ion Ratio Lower Upper
43 100
58 44.0 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 75 Resp: 935
Ion Ratio Lower Upper
75 100
77 25.3 25.4 38.0#

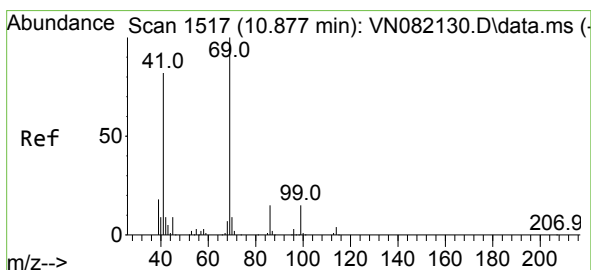
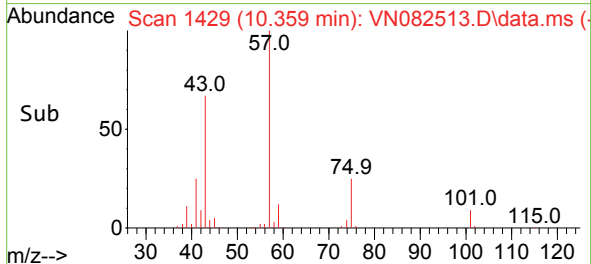
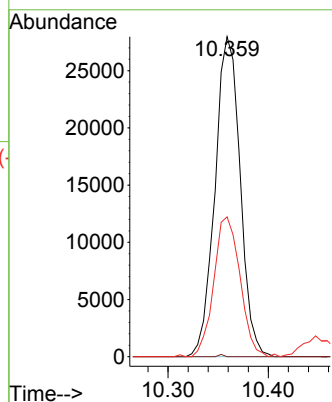
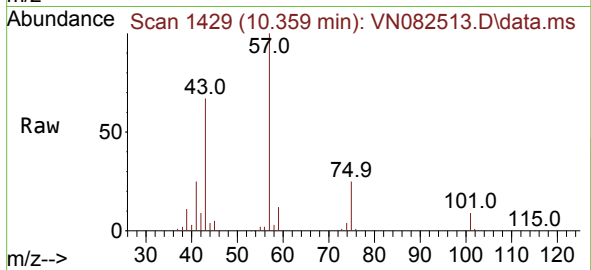




#54
cis-1,3-Dichloropropene
Concen: 12.847 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

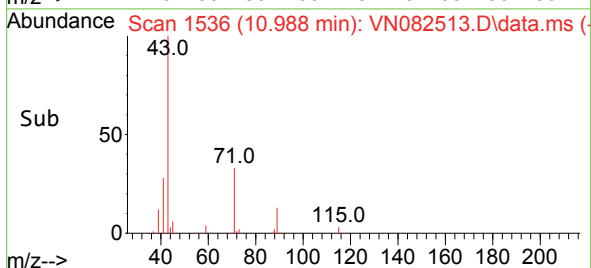
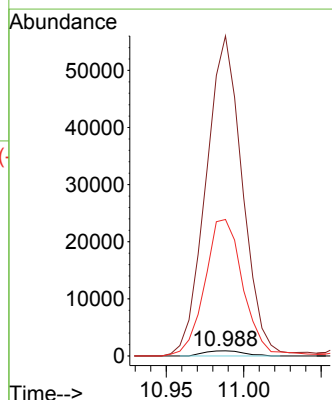
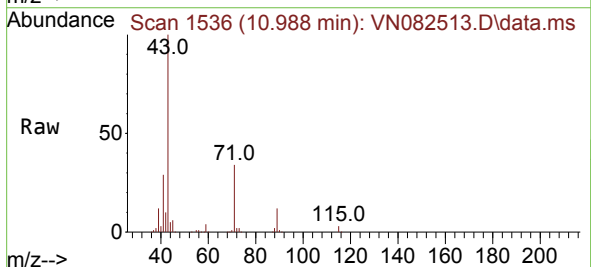
Instrument :
MSVOA_N
ClientSampleId :

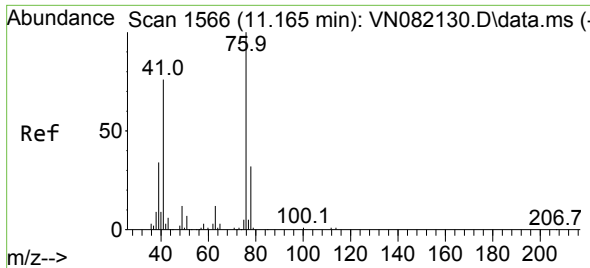
Tgt Ion: 75 Resp: 48755
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 43.7 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.450 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 69 Resp: 1614
Ion Ratio Lower Upper
69 100
41 5707.5 46.6 70.0#
39 2559.9 26.5 39.7#

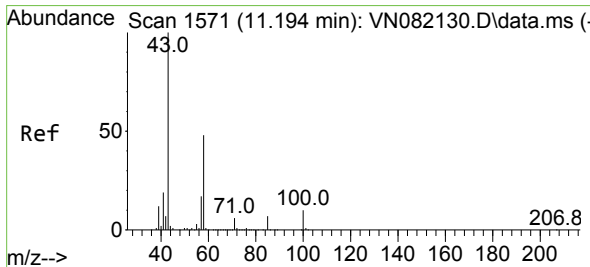
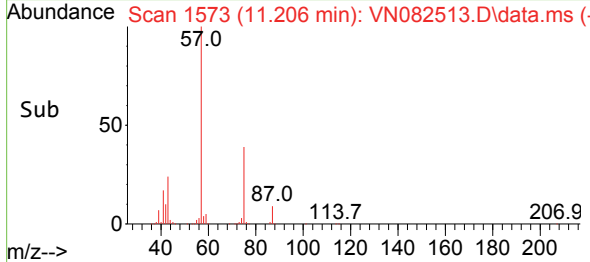
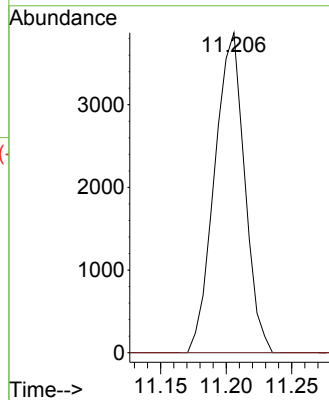
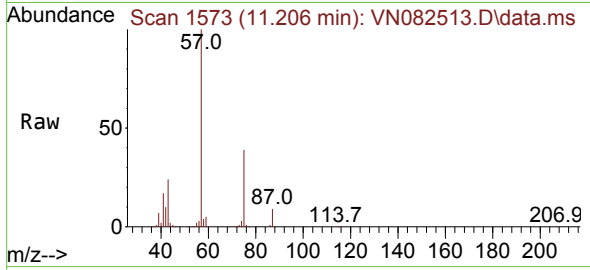




#57
1,3-Dichloropropane
Concen: 1.561 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

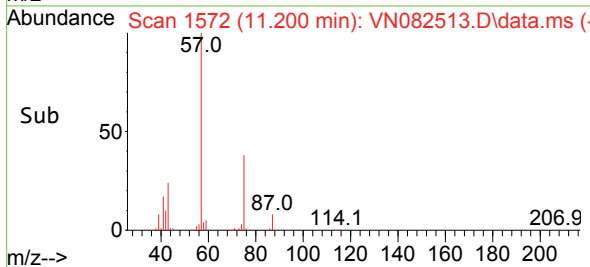
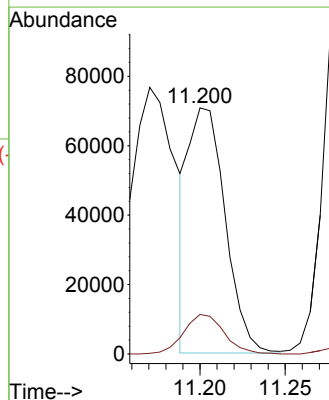
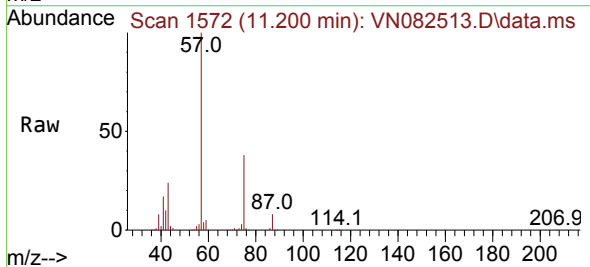
Instrument :
MSVOA_N
ClientSampleId :

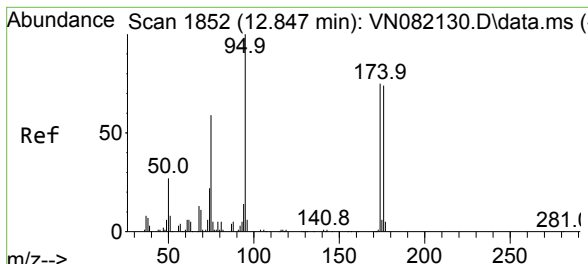
Tgt Ion: 76 Resp: 6171
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 39.546 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN082513.D
Acq: 10 Jun 2024 13:54

Tgt Ion: 43 Resp: 106053
Ion Ratio Lower Upper
43 100
58 17.8 28.3 84.9#



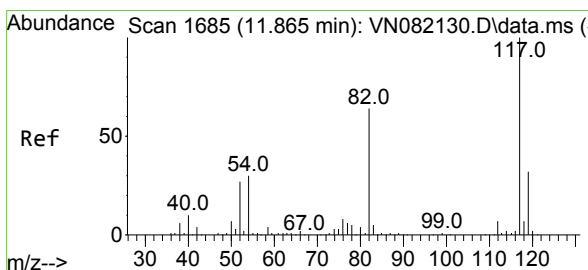
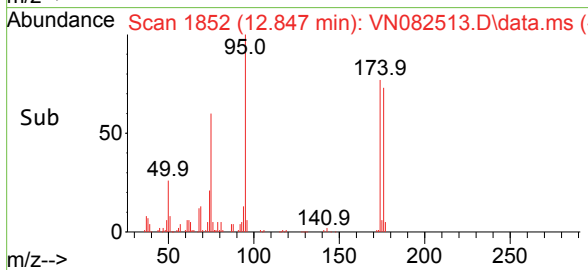
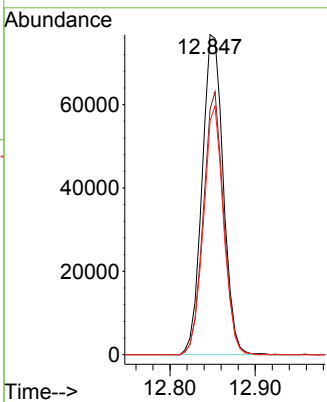
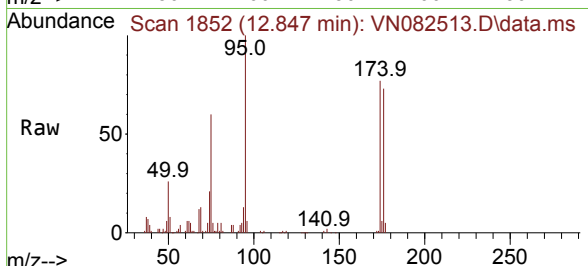


#62
 4-Bromofluorobenzene
 Concen: 49.904 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082513.D
 Acq: 10 Jun 2024 13:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 95 Resp: 132363

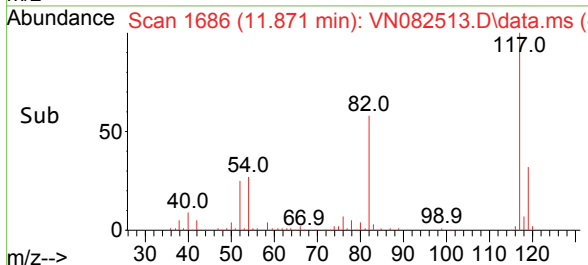
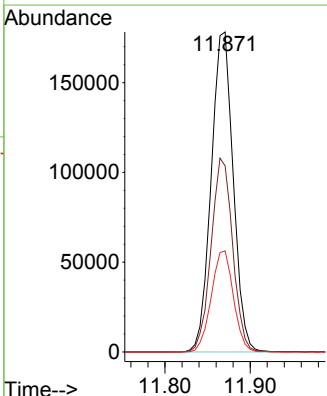
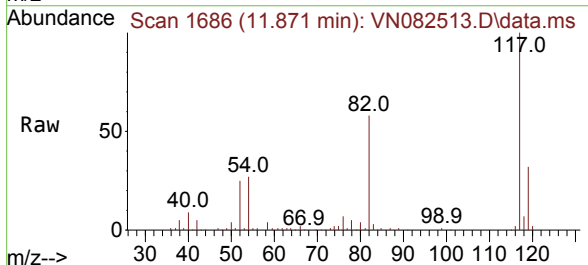
Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	160.6
176	73.8	0.0	152.8

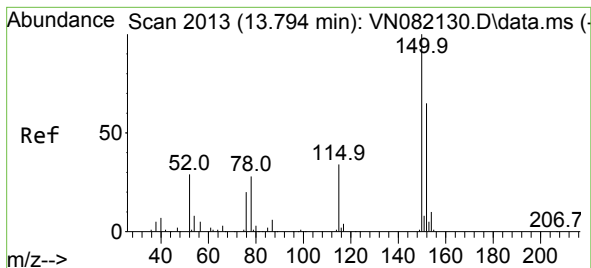


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082513.D
 Acq: 10 Jun 2024 13:54

Tgt Ion: 117 Resp: 319627

Ion	Ratio	Lower	Upper
117	100		
82	58.2	44.6	66.8
119	31.6	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

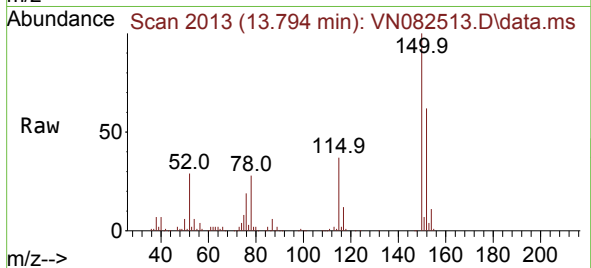
Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :



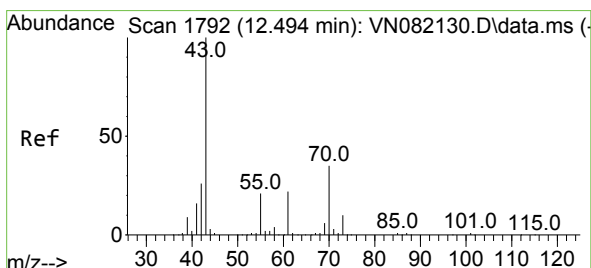
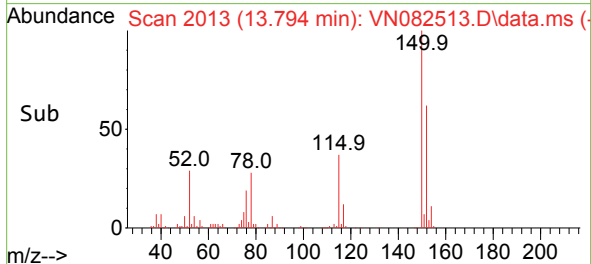
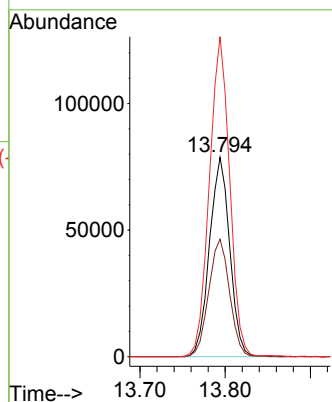
Tgt Ion:152 Resp: 129960

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.3

150 160.4 0.0 353.2



#74

N-ethyl acetate

Concen: 0.358 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Tgt Ion: 43 Resp: 2035

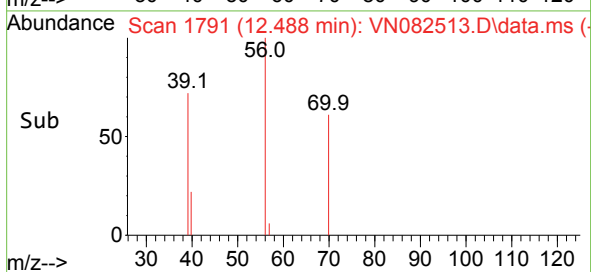
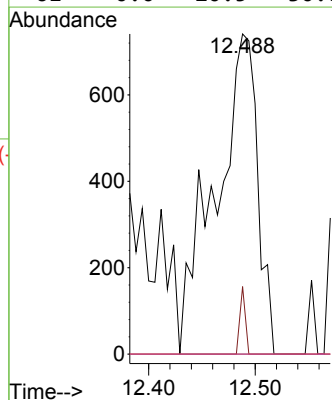
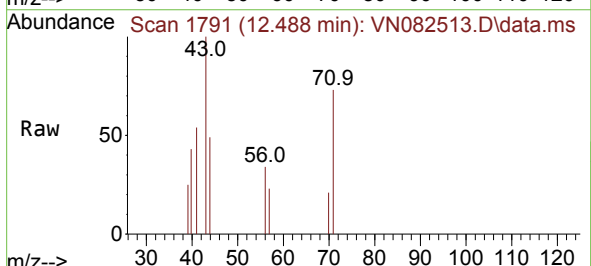
Ion Ratio Lower Upper

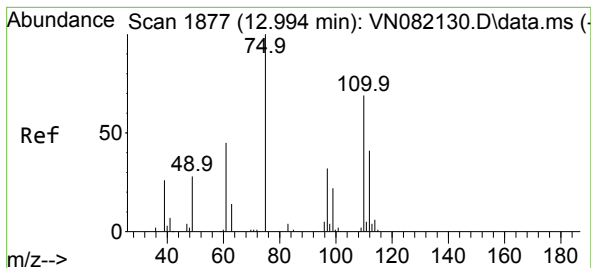
43 100

70 2.7 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 27.928 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Instrument :

MSVOA_N

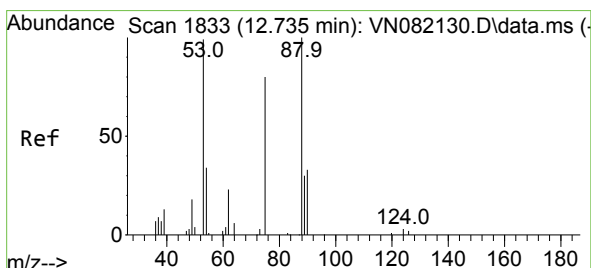
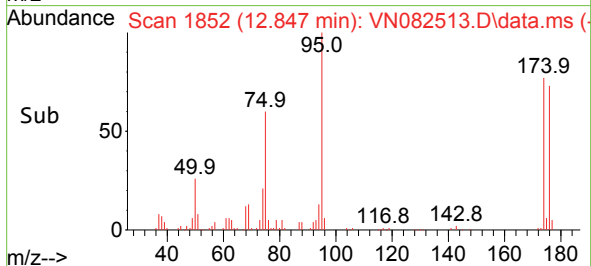
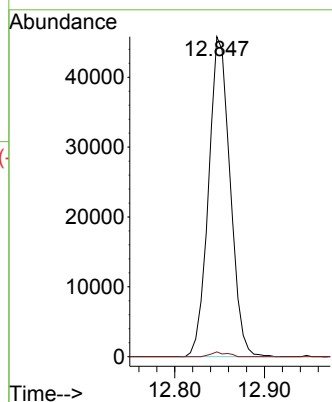
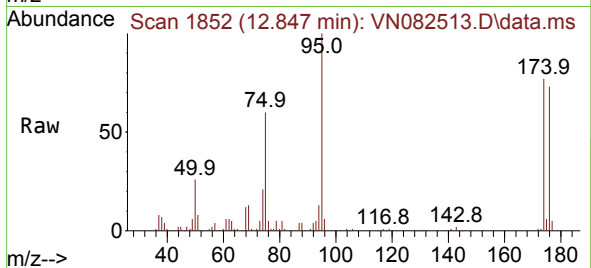
ClientSampleId :

Tgt Ion: 75 Resp: 76392

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.322 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082513.D

Acq: 10 Jun 2024 13:54

Tgt Ion: 75 Resp: 76392

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

