

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076159.D
 Acq On : 09 Jan 2023 16:28
 Operator : JC\MD
 Sample : PB150106TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150106TB

Quant Time: Jan 10 01:08:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

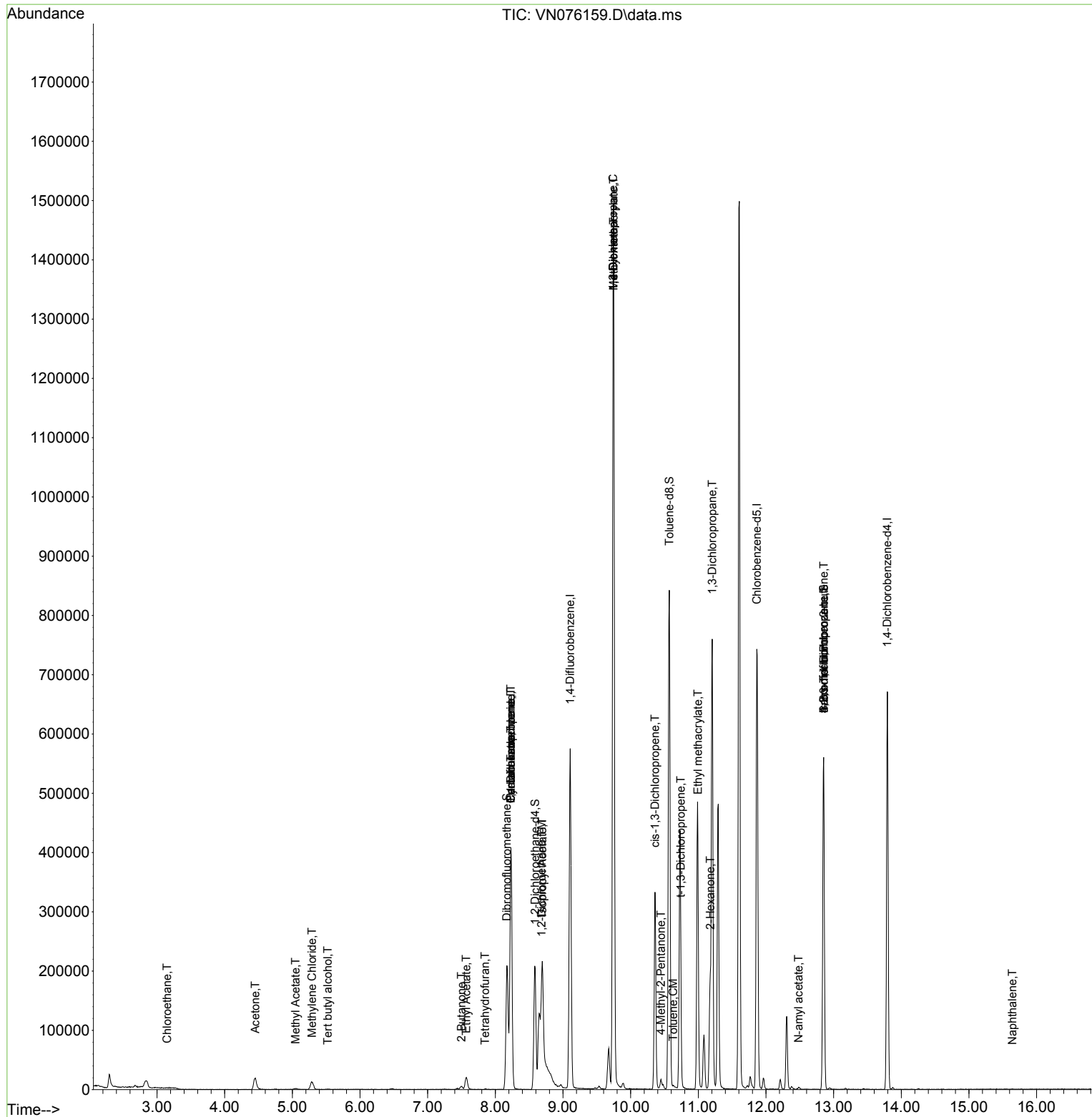
Internal Standards						
1) Pentafluorobenzene	8.229	168	309723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	508631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	455255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	169261	50.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	8.171	113	149756	47.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.080%			
50) Toluene-d8	10.570	98	600198	50.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.853	95	186151	47.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.440%			
Target Compounds						Qvalue
6) Chloroethane	3.147	64	692	0.286	ug/l #	44
11) Tert butyl alcohol	5.524	59	242	0.508	ug/l #	72
16) Acetone	4.453	43	37980	32.698	ug/l	92
18) Methyl Acetate	5.047	43	3524	1.026	ug/l #	69
20) Methylene Chloride	5.288	84	11047	2.953	ug/l #	84
25) 2-Butanone	7.500	43	8603	5.290	ug/l #	75
29) Tetrahydrofuran	7.847	42	791	0.776	ug/l #	30
31) Cyclohexane	8.229	56	6218	1.289	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	22951	5.485	ug/l #	49
37) Ethyl Acetate	7.571	43	31985	9.516	ug/l	98
38) Carbon Tetrachloride	8.229	117	31987	6.830	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1854	0.432	ug/l #	72
43) Isopropyl Acetate	8.694	43	417833	75.363	ug/l #	65
45) 1,2-Dichloropropane	9.741	63	2149	0.684	ug/l #	43
48) Methyl methacrylate	9.747	41	133069	53.290	ug/l #	34
49) 1,4-Dioxane	9.747	88	281	4.577	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15294	4.561	ug/l #	72
52) Toluene	10.629	92	2055	0.244	ug/l	91
53) t-1,3-Dichloropropene	10.741	75	1254	0.280	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	64781	13.191	ug/l #	63
56) Ethyl methacrylate	10.994	69	1565	0.357	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8074	1.492	ug/l #	42
59) 2-Hexanone	11.176	43	129996	53.164	ug/l #	20
71) Bromoform	12.853	173	1465	0.582	ug/l #	1
74) N-amyl acetate	12.482	43	2095	0.535	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	98163	26.357	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98163	94.873	ug/l #	12
95) Naphthalene	15.641	128	892	2.262	ug/l #	69

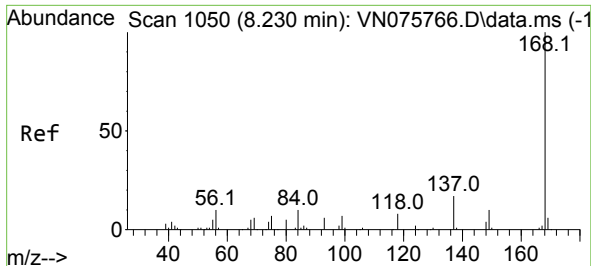
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

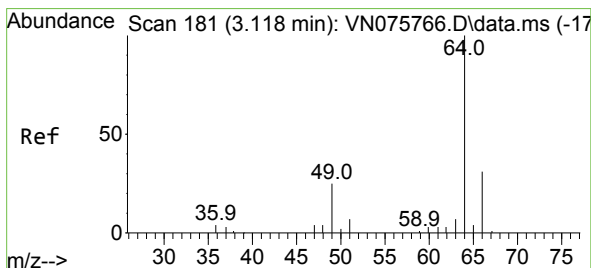
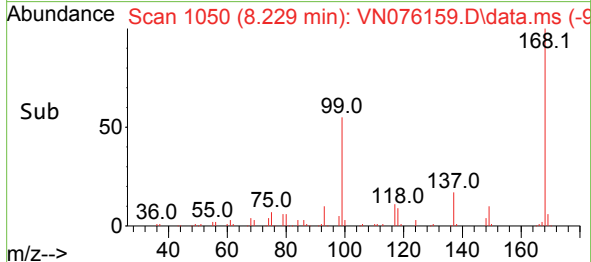
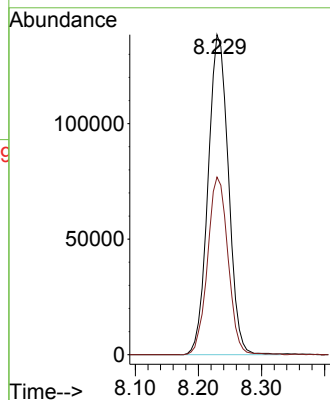
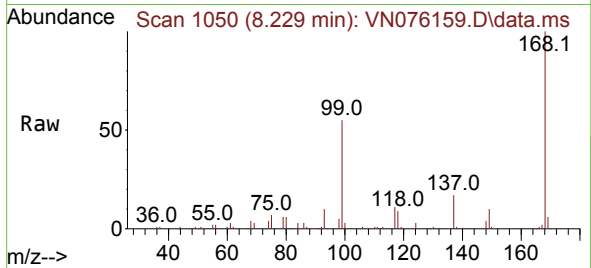




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

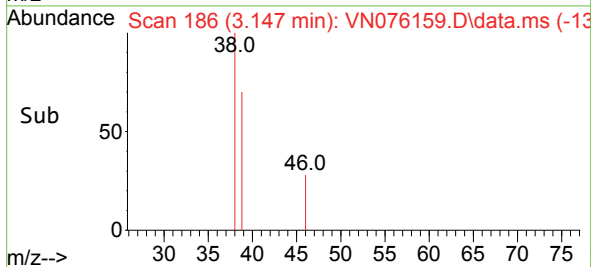
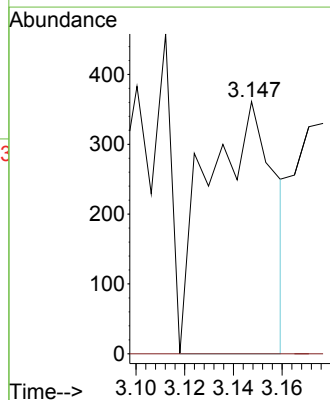
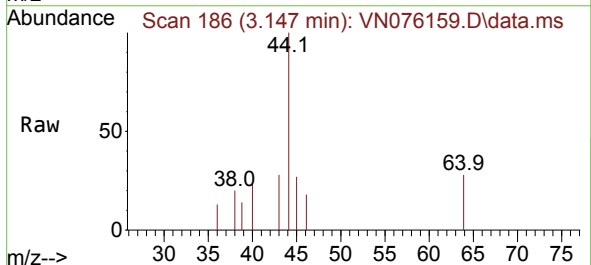
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

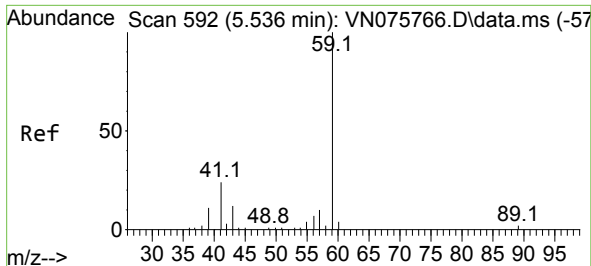
Tgt Ion:168 Resp: 309723
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#6
Chloroethane
Concen: 0.286 ug/l
RT: 3.147 min Scan# 186
Delta R.T. 0.029 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

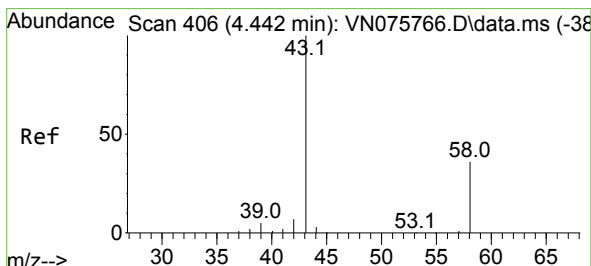
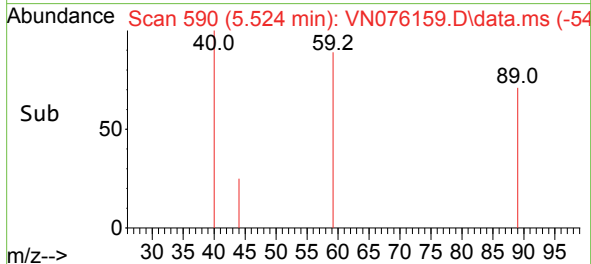
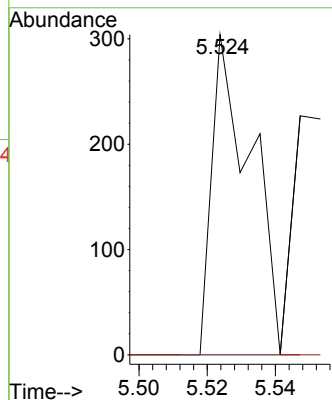
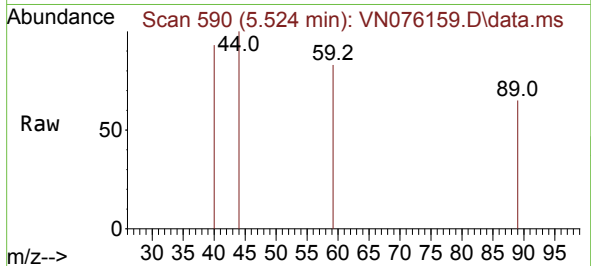




#11
Tert butyl alcohol
Concen: 0.508 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

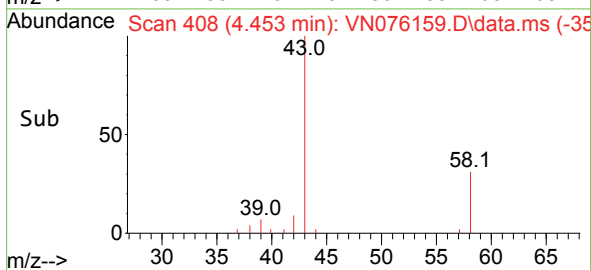
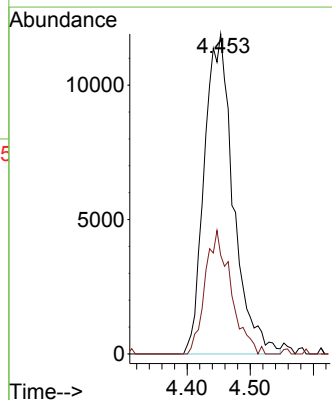
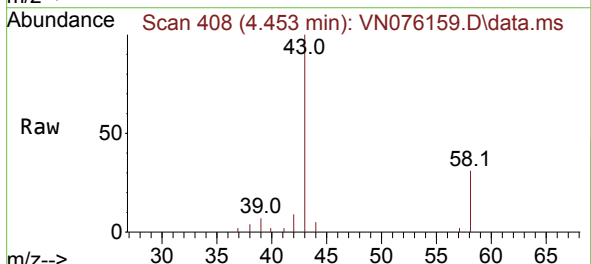
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

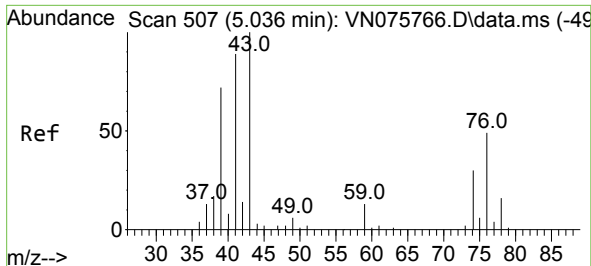
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 32.698 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 43 Resp: 37980
Ion Ratio Lower Upper
43 100
58 30.8 28.6 43.0

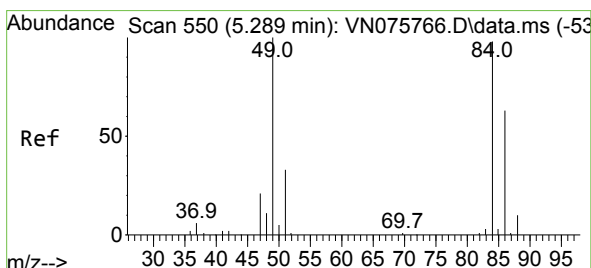
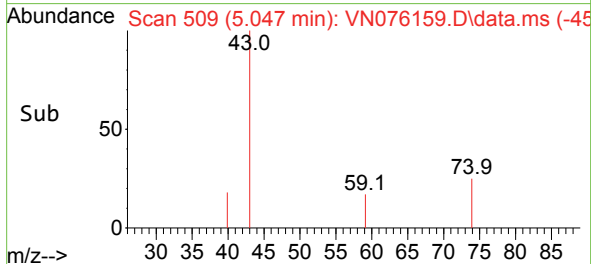
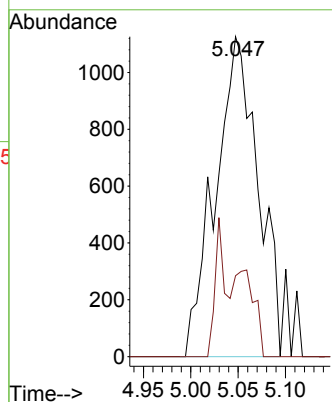
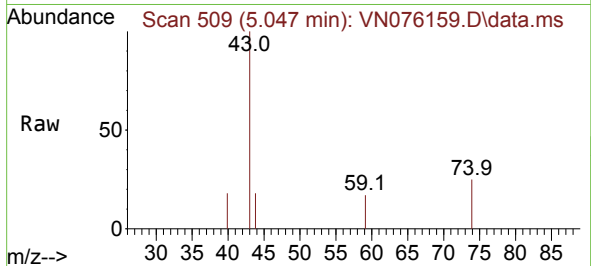




#18
Methyl Acetate
Concen: 1.026 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

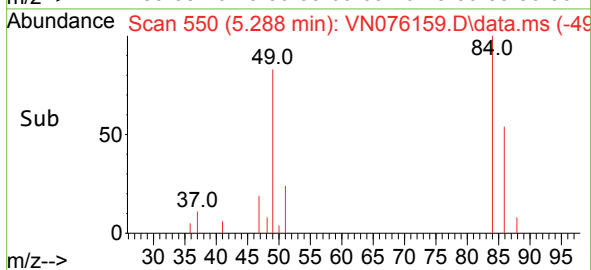
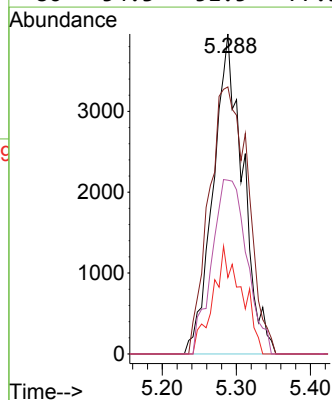
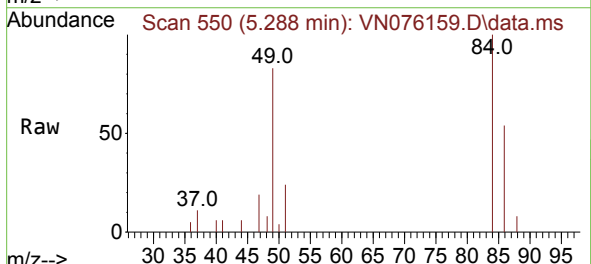
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

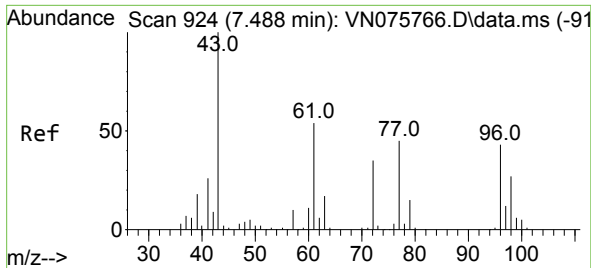
Tgt Ion: 43 Resp: 3524
Ion Ratio Lower Upper
43 100
74 12.8 23.6 35.4#



#20
Methylene Chloride
Concen: 2.953 ug/l
RT: 5.288 min Scan# 550
Delta R.T. -0.001 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 84 Resp: 11047
Ion Ratio Lower Upper
84 100
49 83.4 81.8 122.6
51 23.9 26.7 40.1#
86 54.3 51.5 77.3

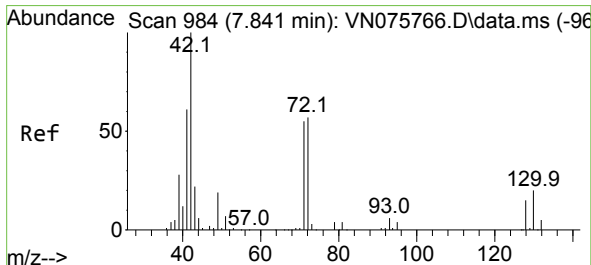
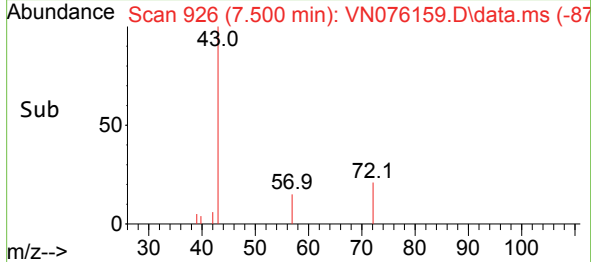
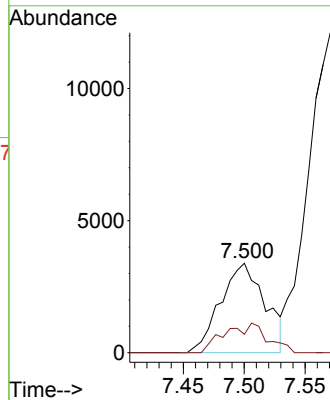
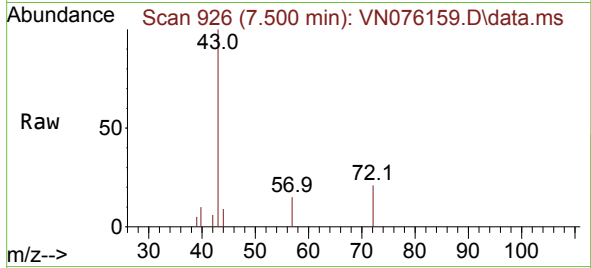




#25
2-Butanone
Concen: 5.290 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

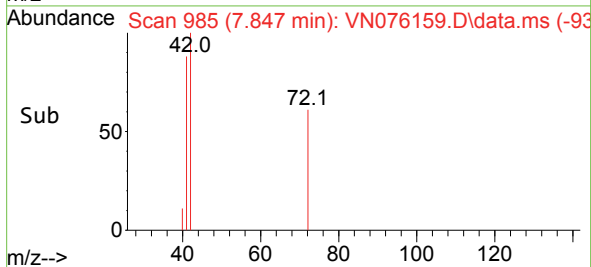
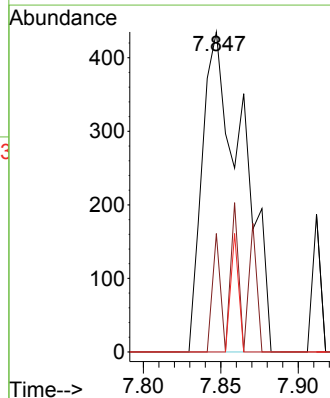
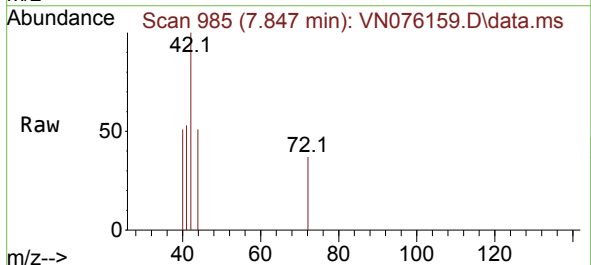
Instrument :
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ClientSampleId :
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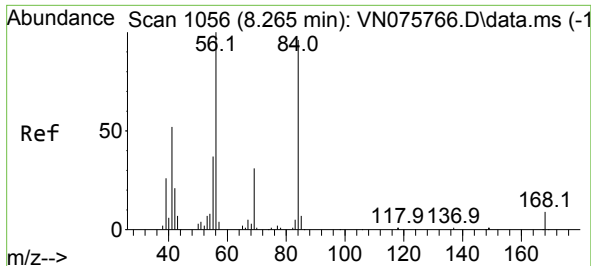
Tgt Ion: 43 Resp: 8603
Ion Ratio Lower Upper
43 100
72 20.6 28.0 42.0#



#29
Tetrahydrofuran
Concen: 0.776 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

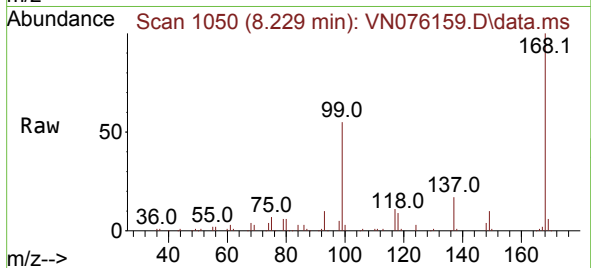
Tgt Ion: 42 Resp: 791
Ion Ratio Lower Upper
42 100
72 7.2 44.5 66.7#
71 0.0 41.0 61.6#



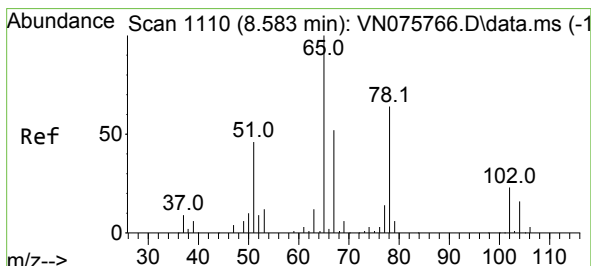
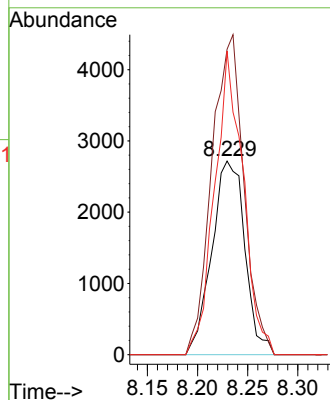
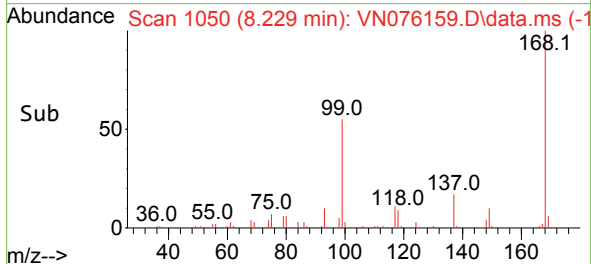


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

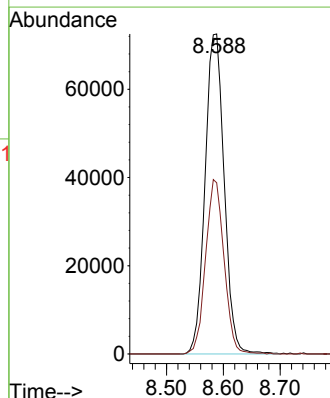
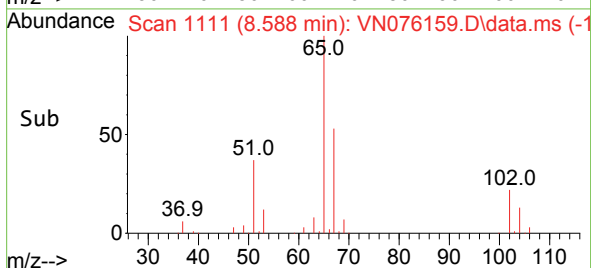
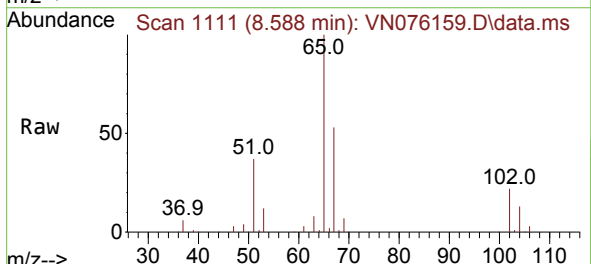


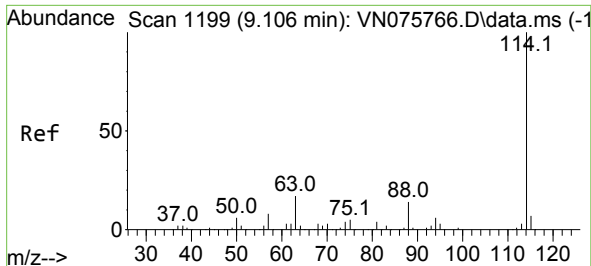
Tgt Ion: 56 Resp: 6218
Ion Ratio Lower Upper
56 100
69 157.7 24.7 37.1#
84 156.8 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 50.233 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 65 Resp: 169261
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB150106TB

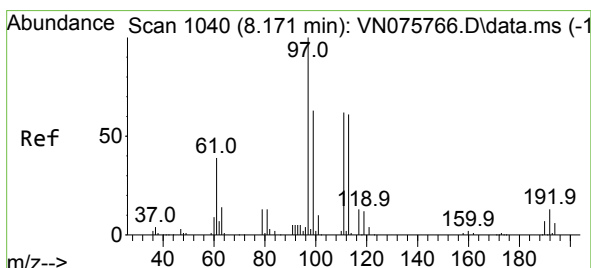
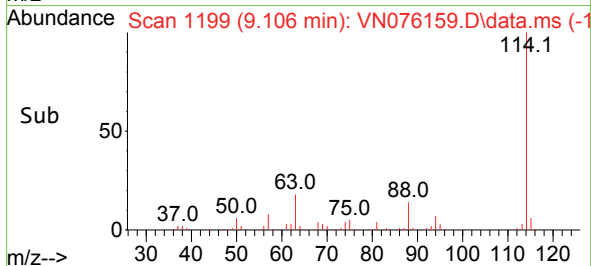
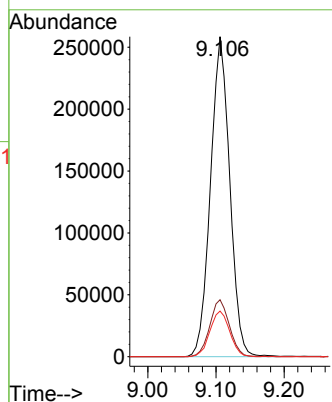
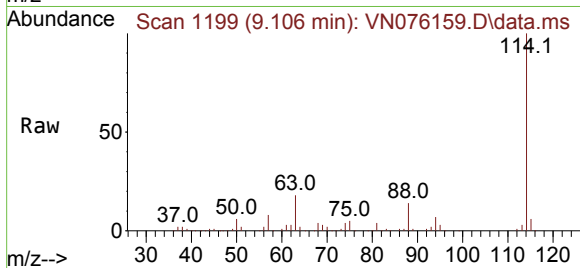
Tgt Ion:114 Resp: 508631

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.543 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

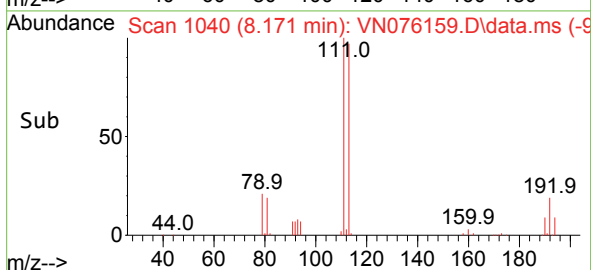
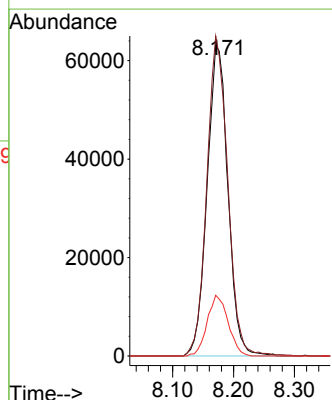
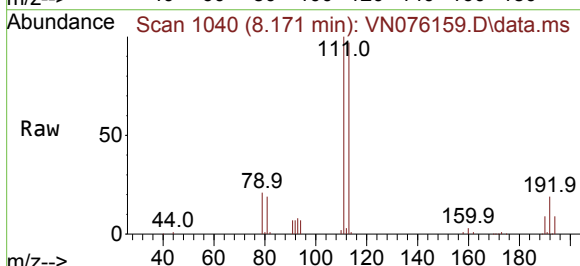
Tgt Ion:113 Resp: 149756

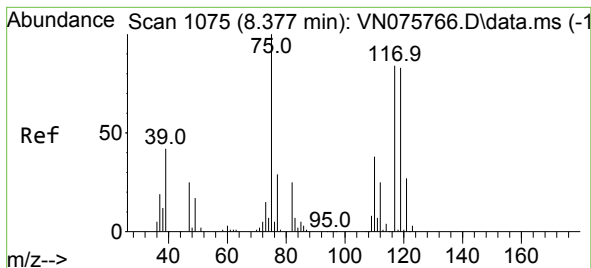
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

192 19.6 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.485 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB150106TB

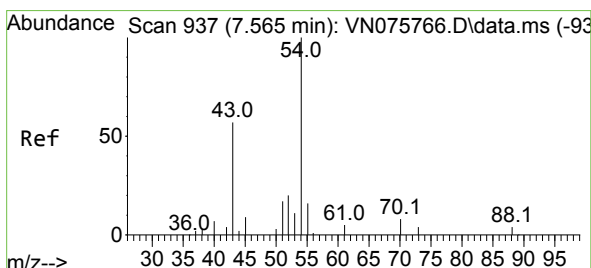
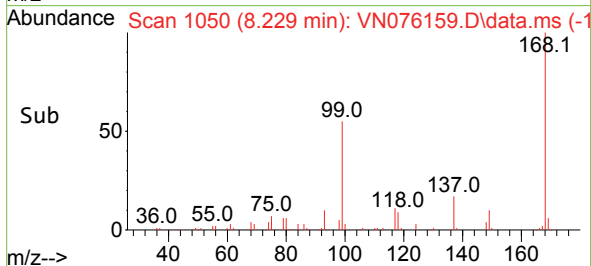
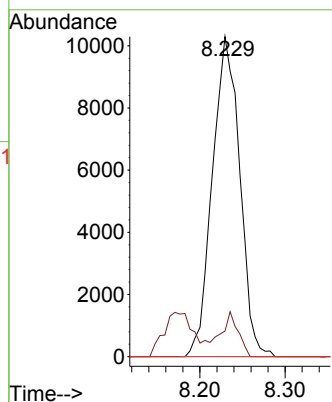
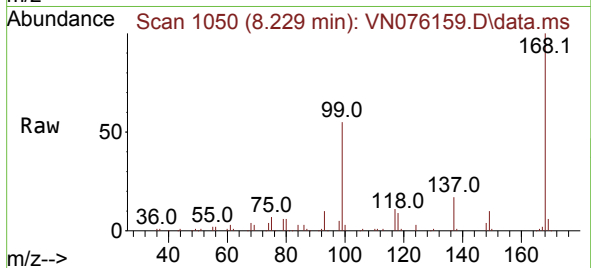
Tgt Ion: 75 Resp: 22951

Ion Ratio Lower Upper

75 100

110 8.7 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 9.516 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

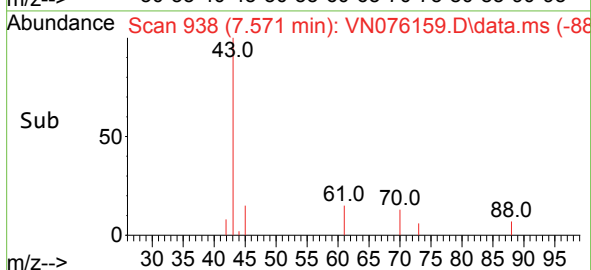
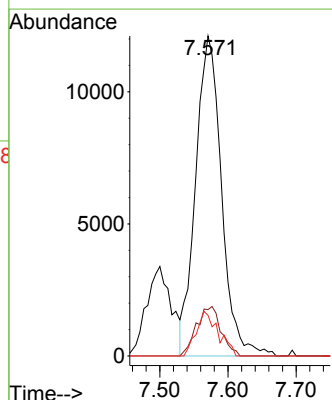
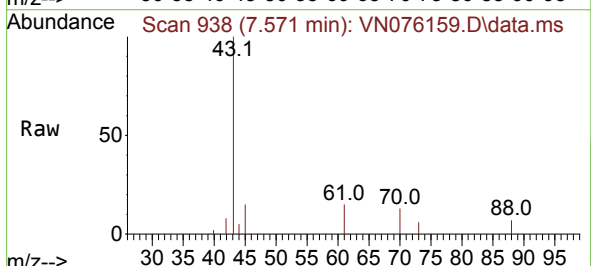
Tgt Ion: 43 Resp: 31985

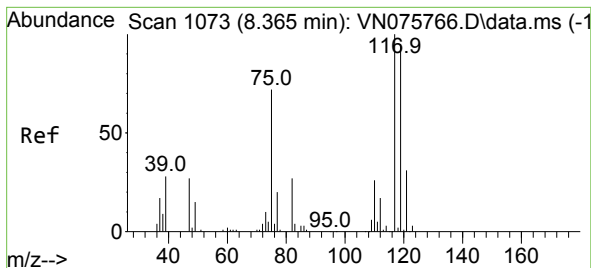
Ion Ratio Lower Upper

43 100

61 14.6 13.0 19.4

70 11.8 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.830 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076159.D

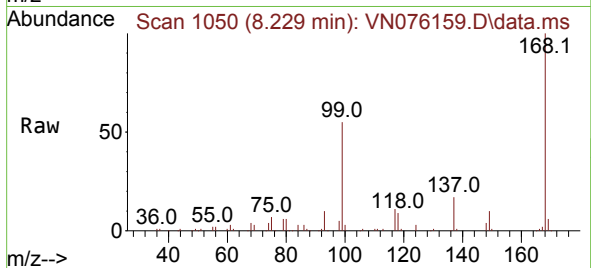
Acq: 09 Jan 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB150106TB



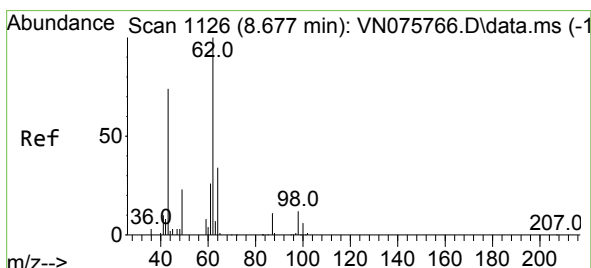
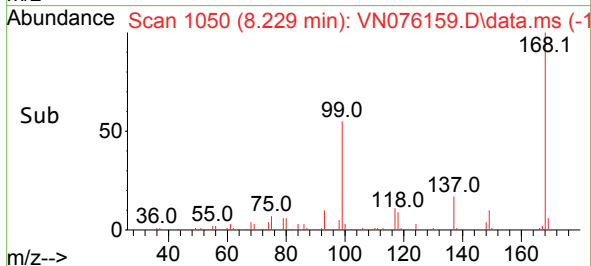
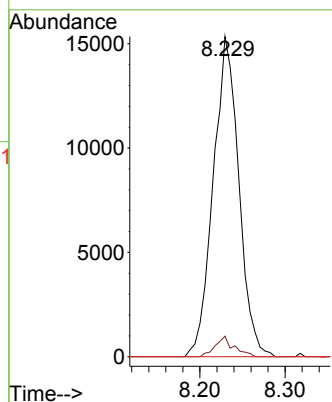
Tgt Ion:117 Resp: 31987

Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

121 0.0 24.5 36.7#



#42

1,2-Dichloroethane

Concen: 0.432 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN076159.D

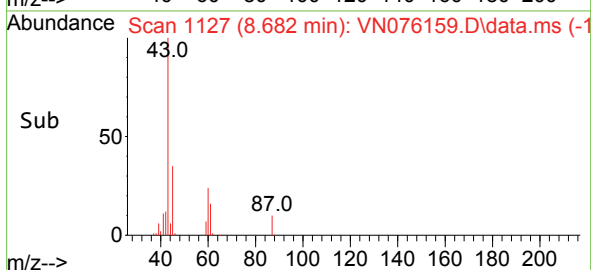
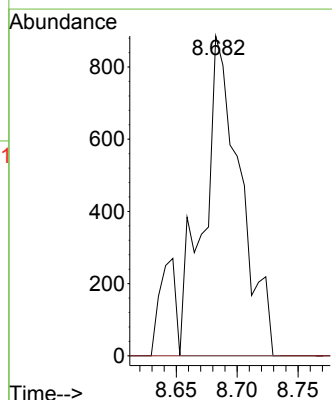
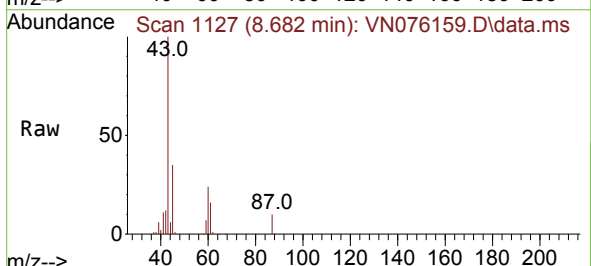
Acq: 09 Jan 2023 16:28

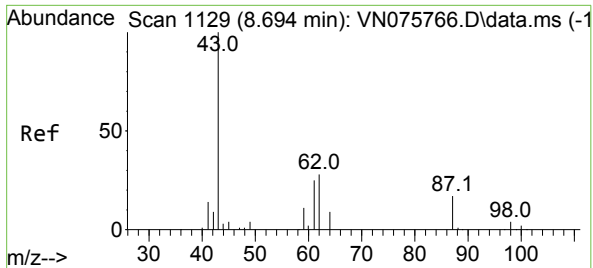
Tgt Ion: 62 Resp: 1854

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

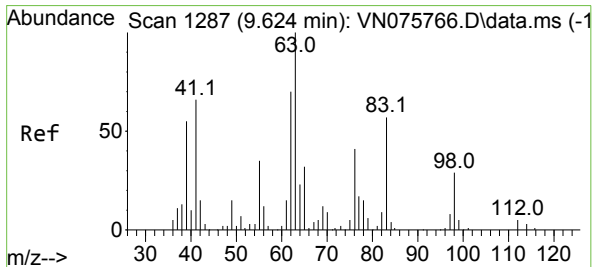
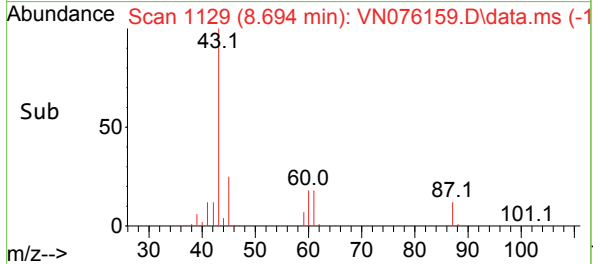
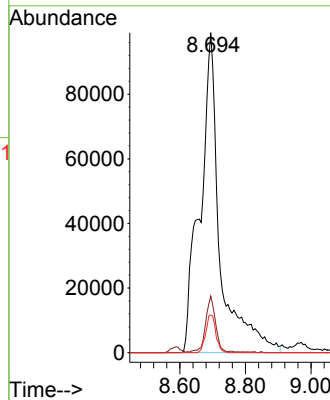
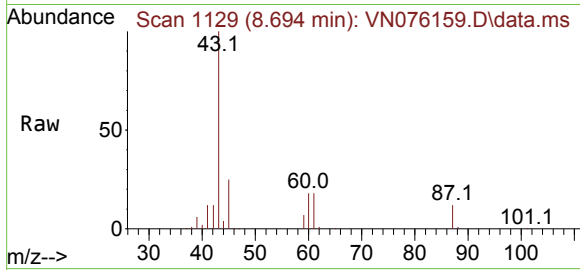




#43
Isopropyl Acetate
Concen: 75.363 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

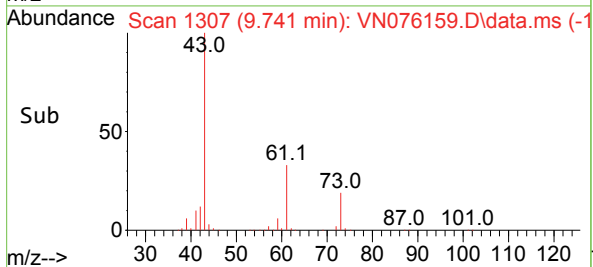
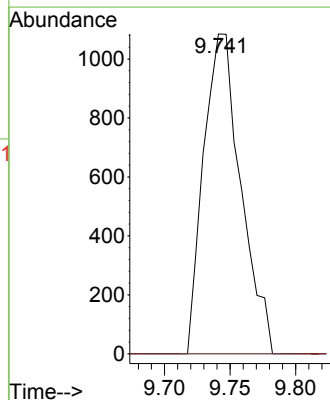
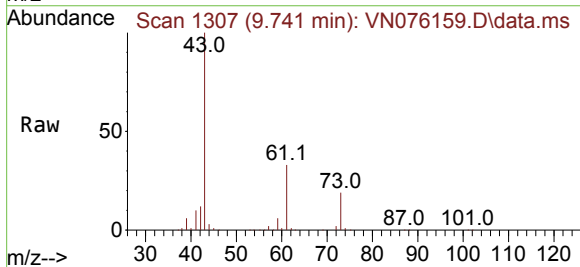
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

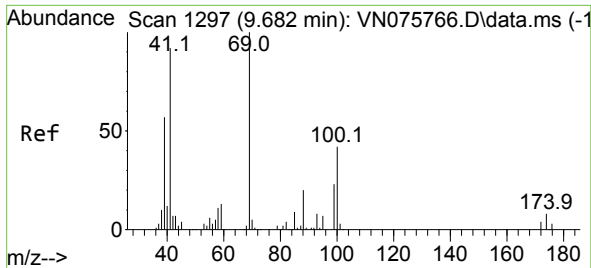
Tgt Ion: 43 Resp: 417833
Ion Ratio Lower Upper
43 100
61 8.6 24.2 36.4#
87 5.9 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.684 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 63 Resp: 2149
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

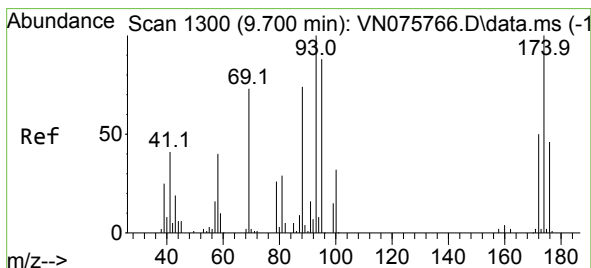
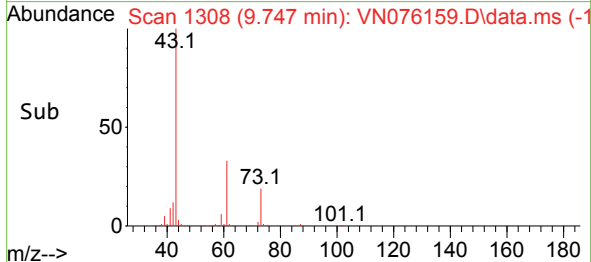
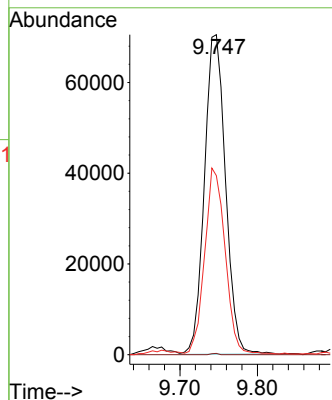
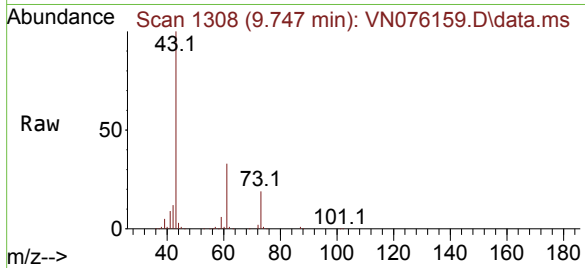




#48
Methyl methacrylate
Concen: 53.290 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

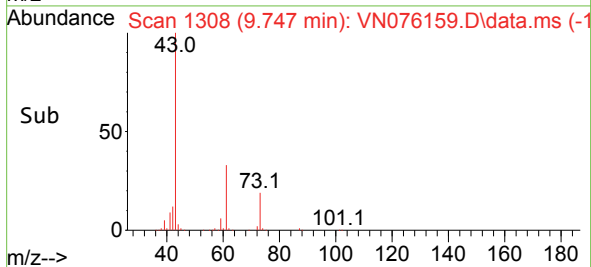
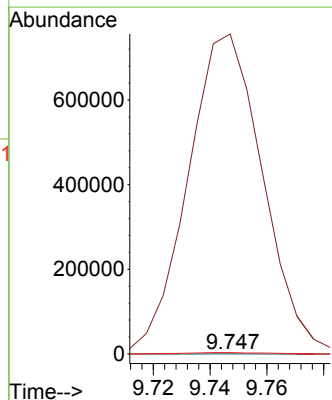
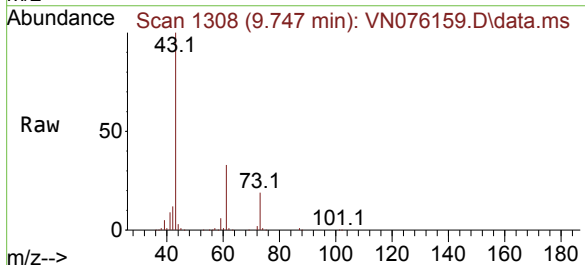
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

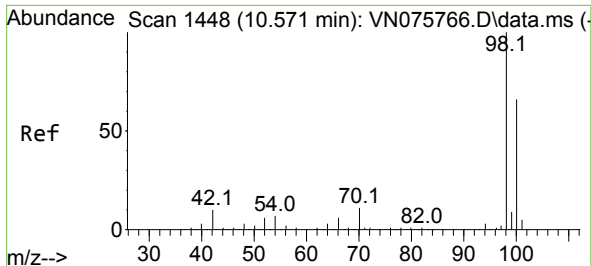
Tgt Ion: 41 Resp: 133069
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 56.4 51.6 77.4



#49
1,4-Dioxane
Concen: 4.577 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 88 Resp: 281
Ion Ratio Lower Upper
88 100
43 497552.0 17.1 25.7#
58 2283.6 47.8 71.8#

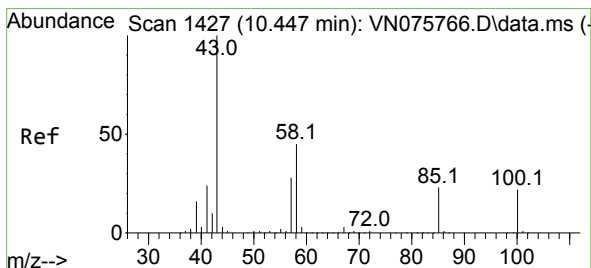
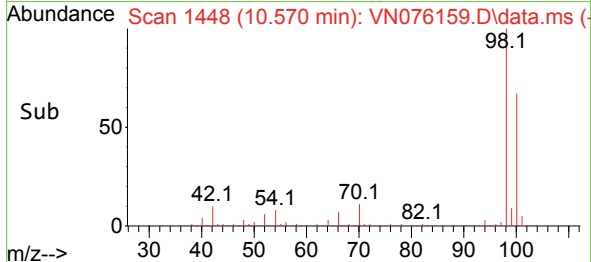
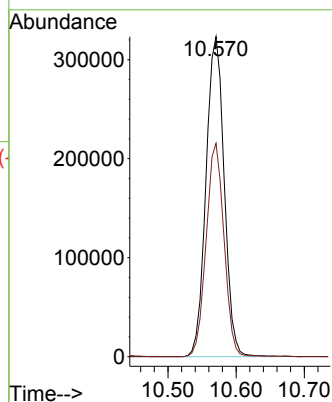
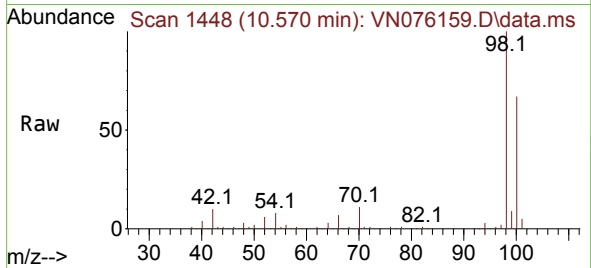




#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

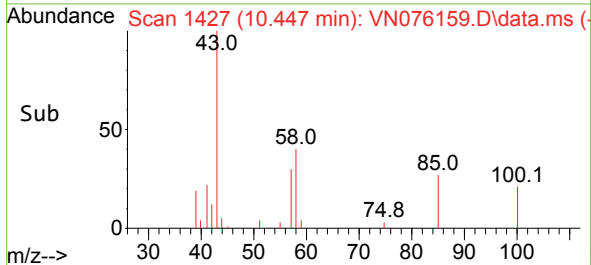
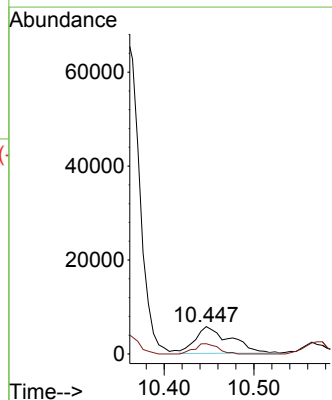
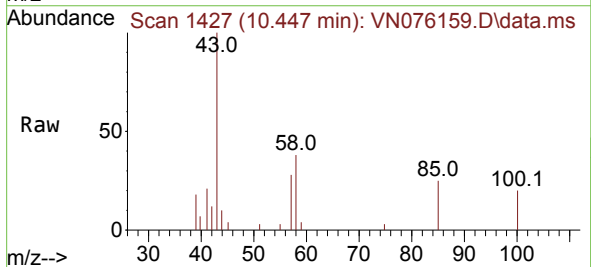
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

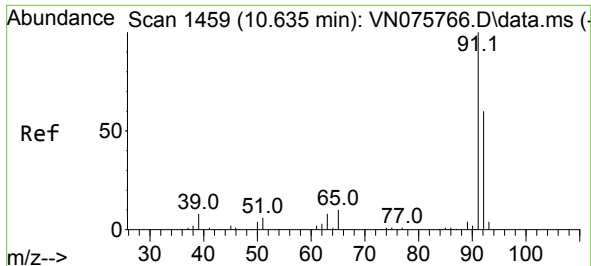
Tgt Ion: 98 Resp: 600198
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.561 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 43 Resp: 15294
Ion Ratio Lower Upper
43 100
58 26.0 35.5 53.3#

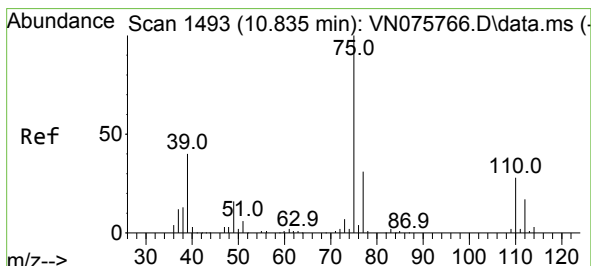
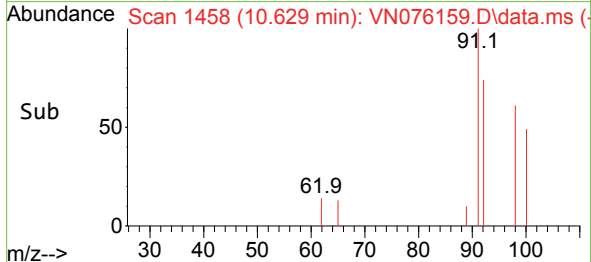
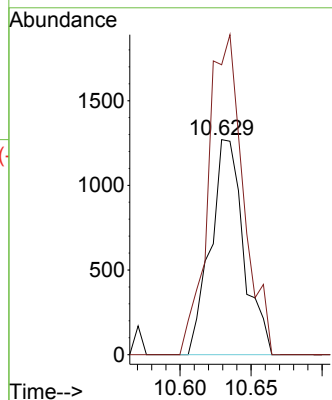
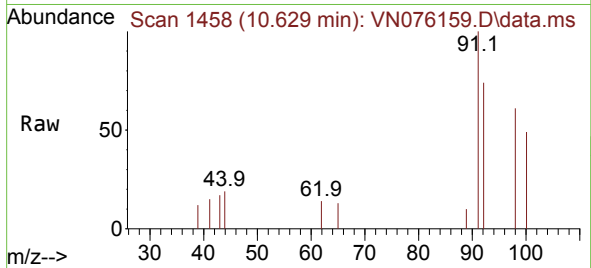




#52
Toluene
Concen: 0.244 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

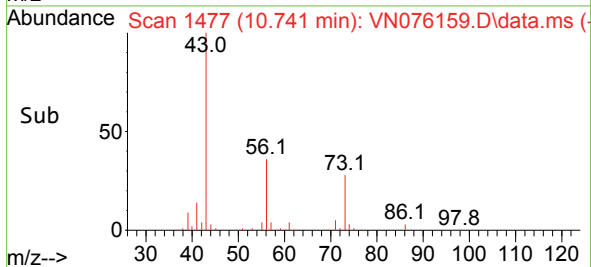
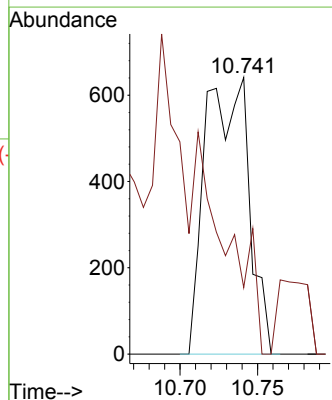
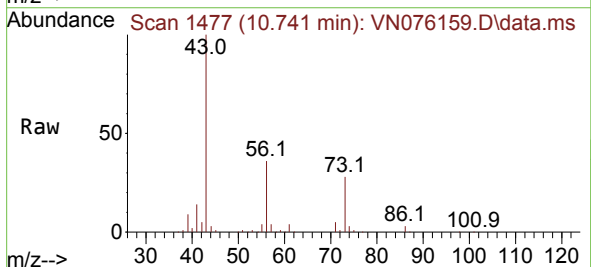
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

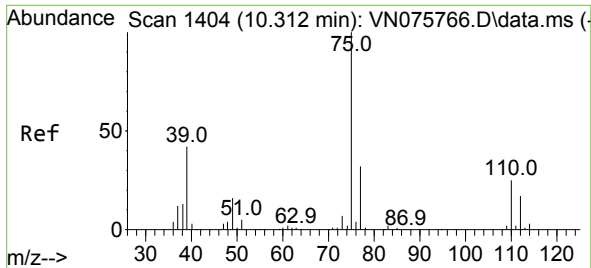
Tgt Ion: 92 Resp: 2055
Ion Ratio Lower Upper
92 100
91 158.5 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.280 ug/l
RT: 10.741 min Scan# 1477
Delta R.T. -0.094 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 75 Resp: 1254
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

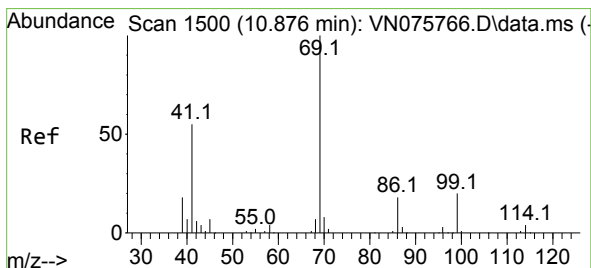
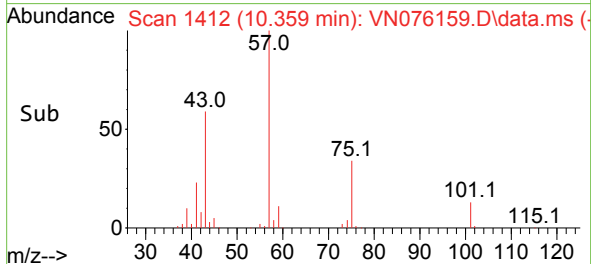
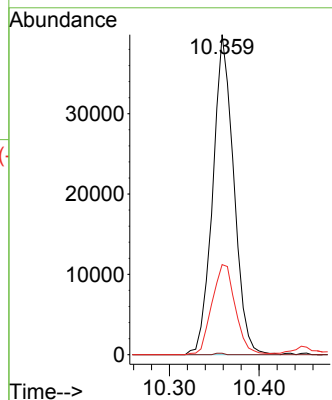
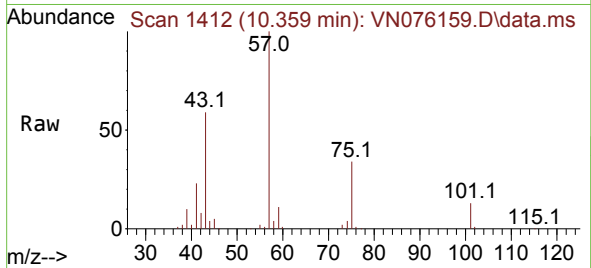




#54
 cis-1,3-Dichloropropene
 Concen: 13.191 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076159.D
 Acq: 09 Jan 2023 16:28

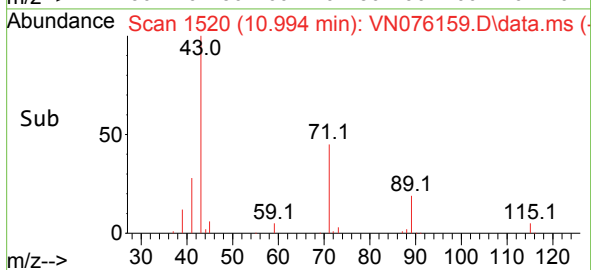
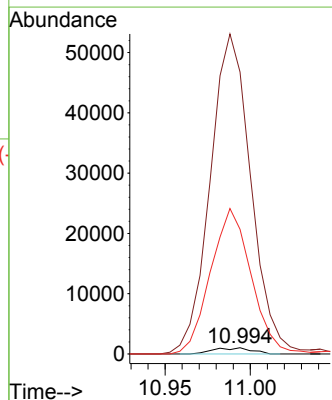
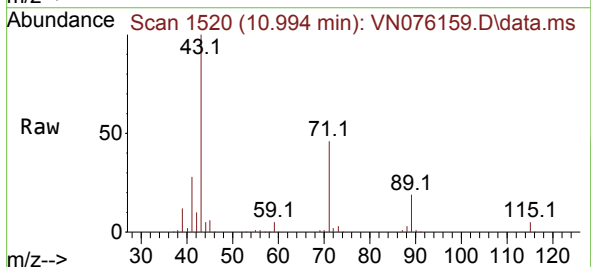
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150106TB

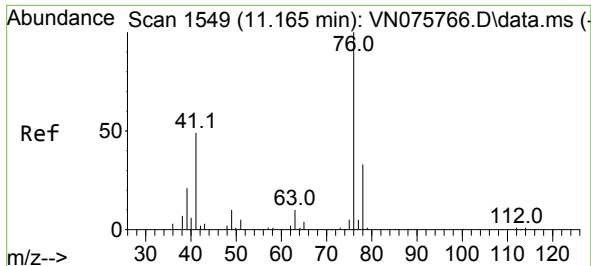
Tgt Ion: 75 Resp: 64781
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.8#
 39 28.2 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.357 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN076159.D
 Acq: 09 Jan 2023 16:28

Tgt Ion: 69 Resp: 1565
 Ion Ratio Lower Upper
 69 100
 41 5680.2 44.2 66.4#
 39 2562.0 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.492 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

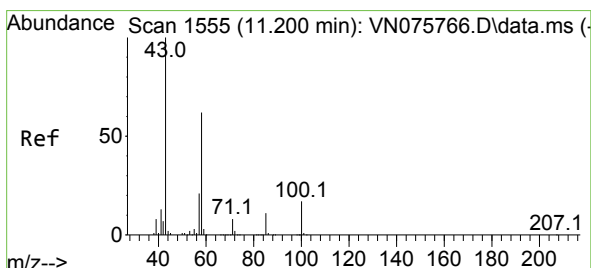
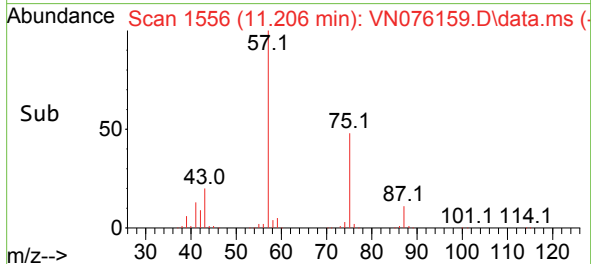
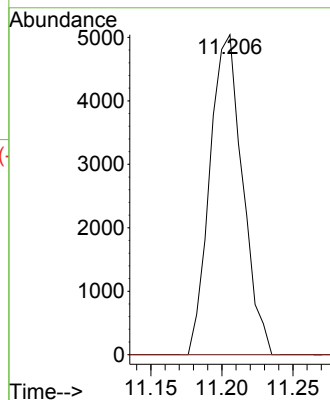
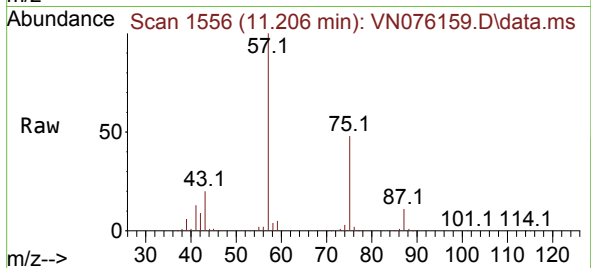
PB150106TB

Tgt Ion: 76 Resp: 8074

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 53.164 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN076159.D

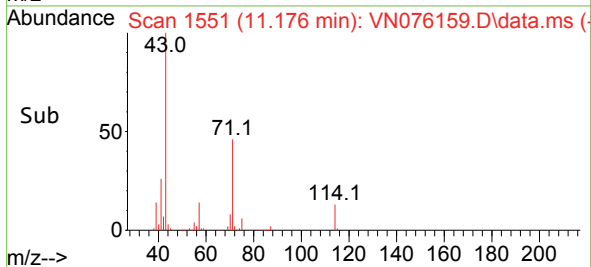
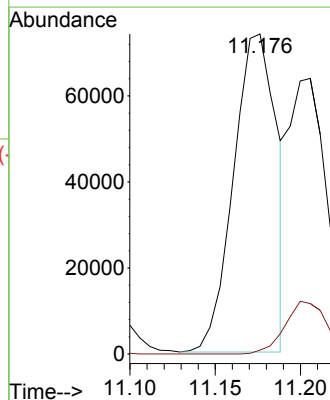
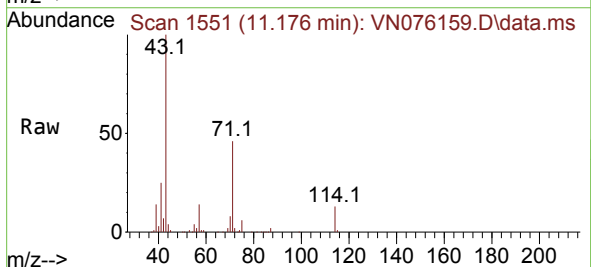
Acq: 09 Jan 2023 16:28

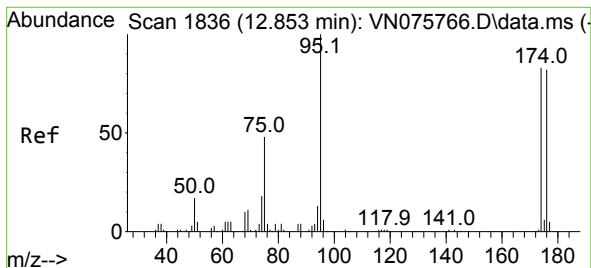
Tgt Ion: 43 Resp: 129996

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

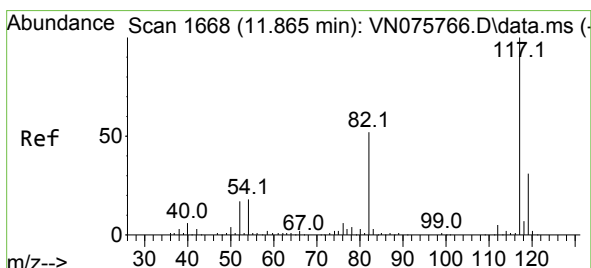
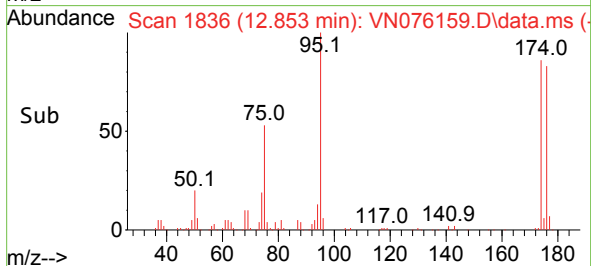
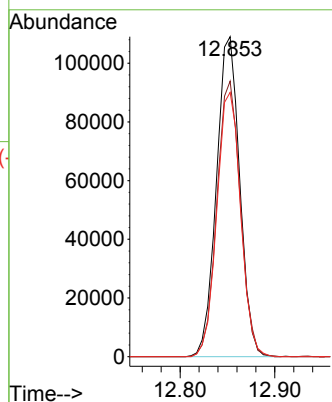
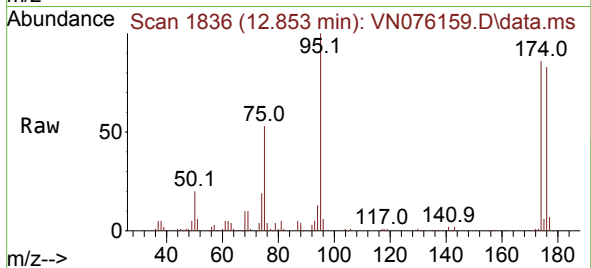




#62
4-Bromofluorobenzene
Concen: 47.723 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

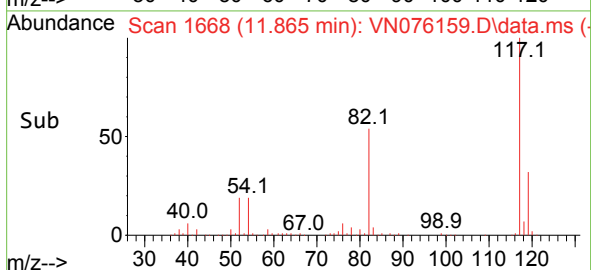
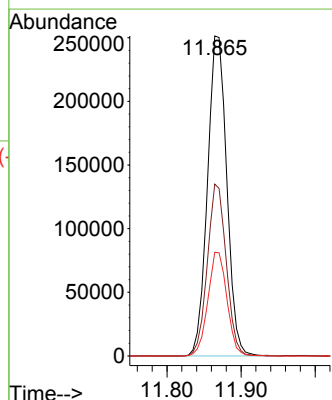
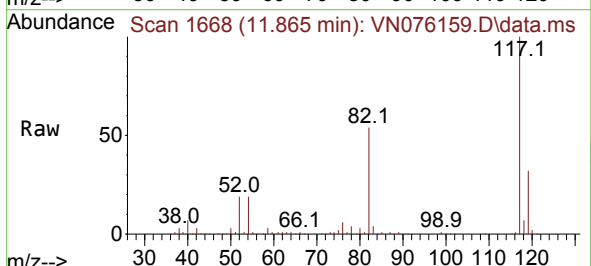
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

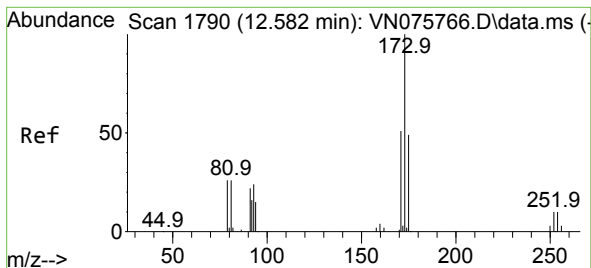
Tgt Ion: 95 Resp: 186151
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 117 Resp: 455255
Ion Ratio Lower Upper
117 100
82 53.7 41.3 61.9
119 32.4 24.6 37.0





#71

Bromoform

Concen: 0.582 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB150106TB

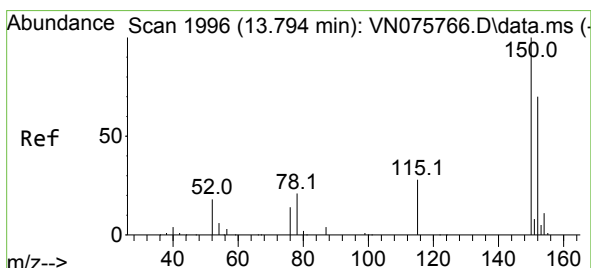
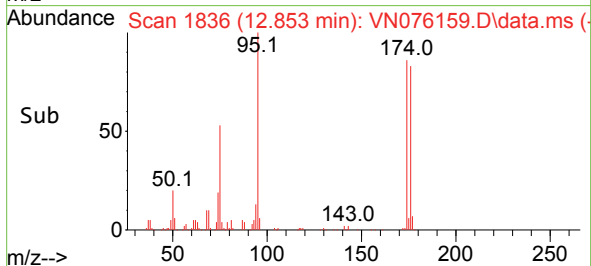
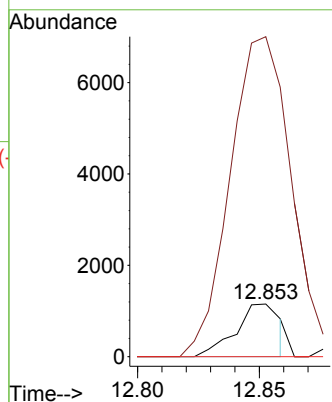
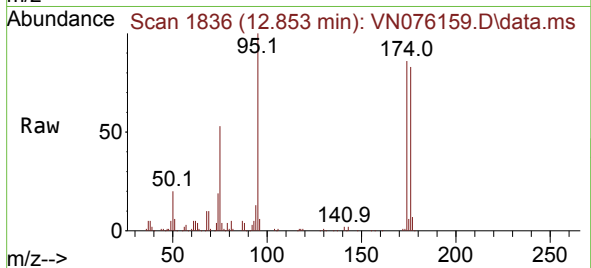
Tgt Ion:173 Resp: 1465

Ion Ratio Lower Upper

173 100

175 700.5 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076159.D

Acq: 09 Jan 2023 16:28

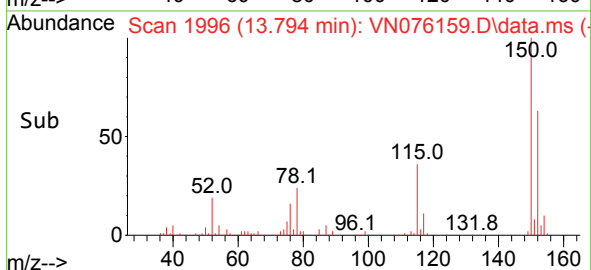
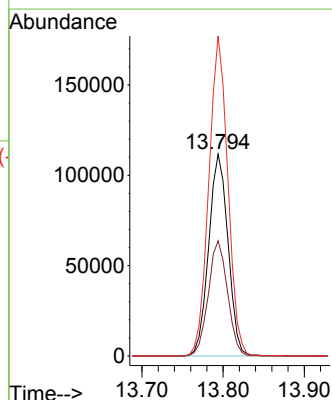
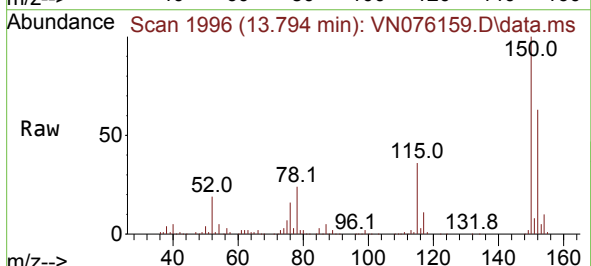
Tgt Ion:152 Resp: 184760

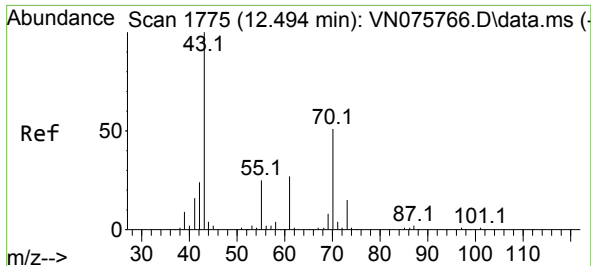
Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.4

150 155.5 0.0 347.0

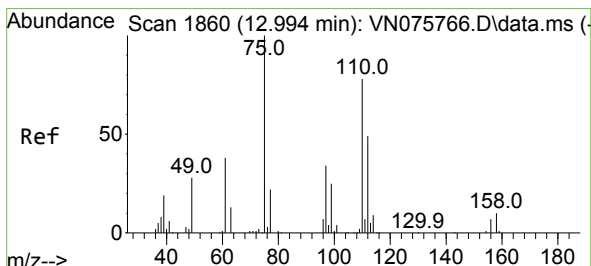
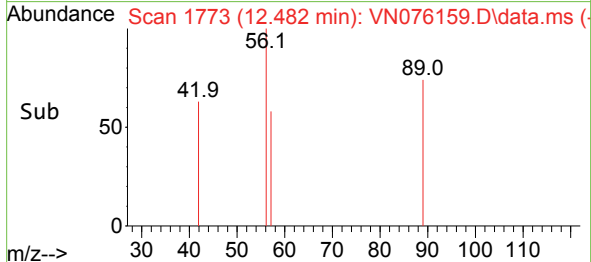
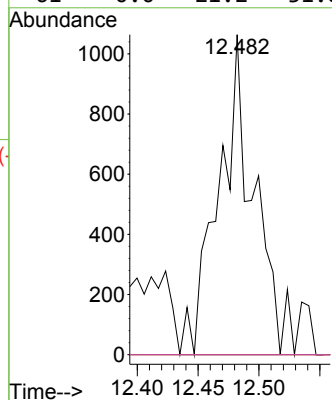
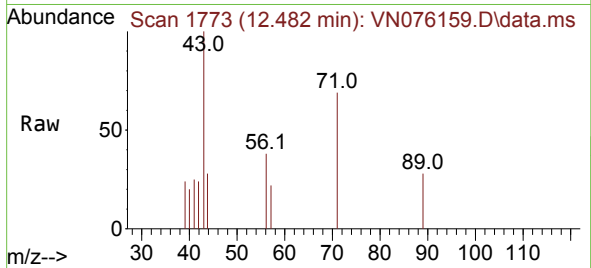




#74
N-amy1 acetate
Concen: 0.535 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

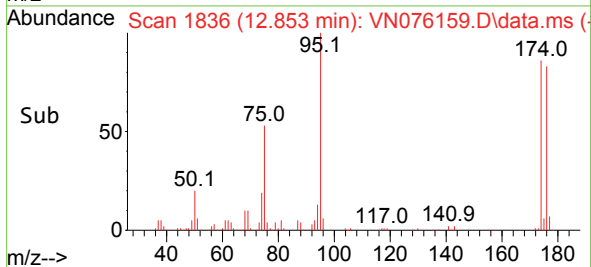
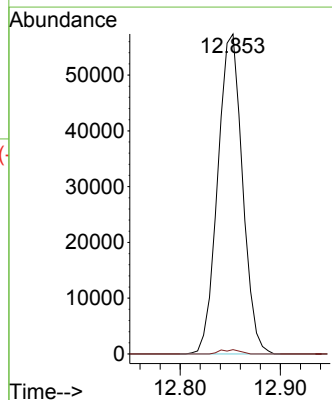
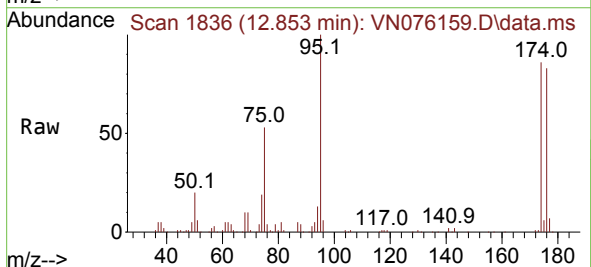
Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

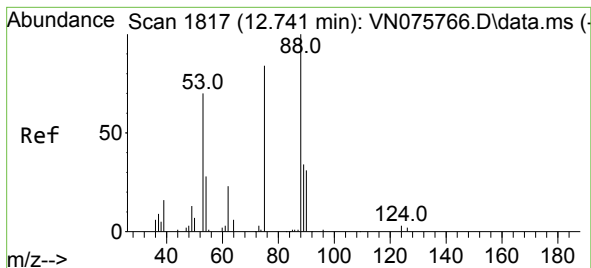
Tgt Ion: 43	Resp: 2095
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 26.357 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion: 75	Resp: 98163
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

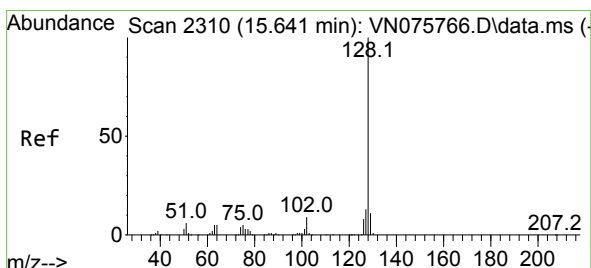
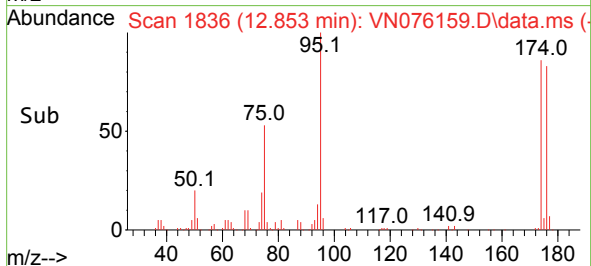
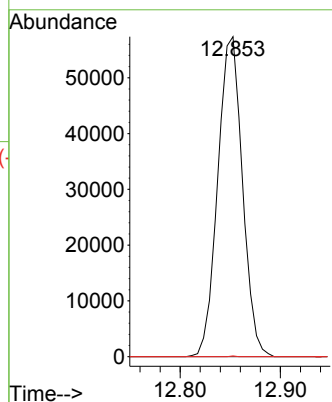
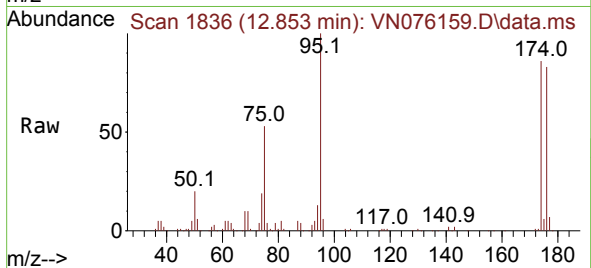




#81
trans-1,4-Dichloro-2-butene
Concen: 94.873 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB150106TB

Tgt Ion: 75 Resp: 98163
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#



#95
Naphthalene
Concen: 2.262 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076159.D
Acq: 09 Jan 2023 16:28

Tgt Ion:128 Resp: 892
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

