

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078048.D
 Acq On : 05 Jun 2023 16:45
 Operator : JC\MD
 Sample : PB153198ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#09

Quant Time: Jun 06 02:03:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

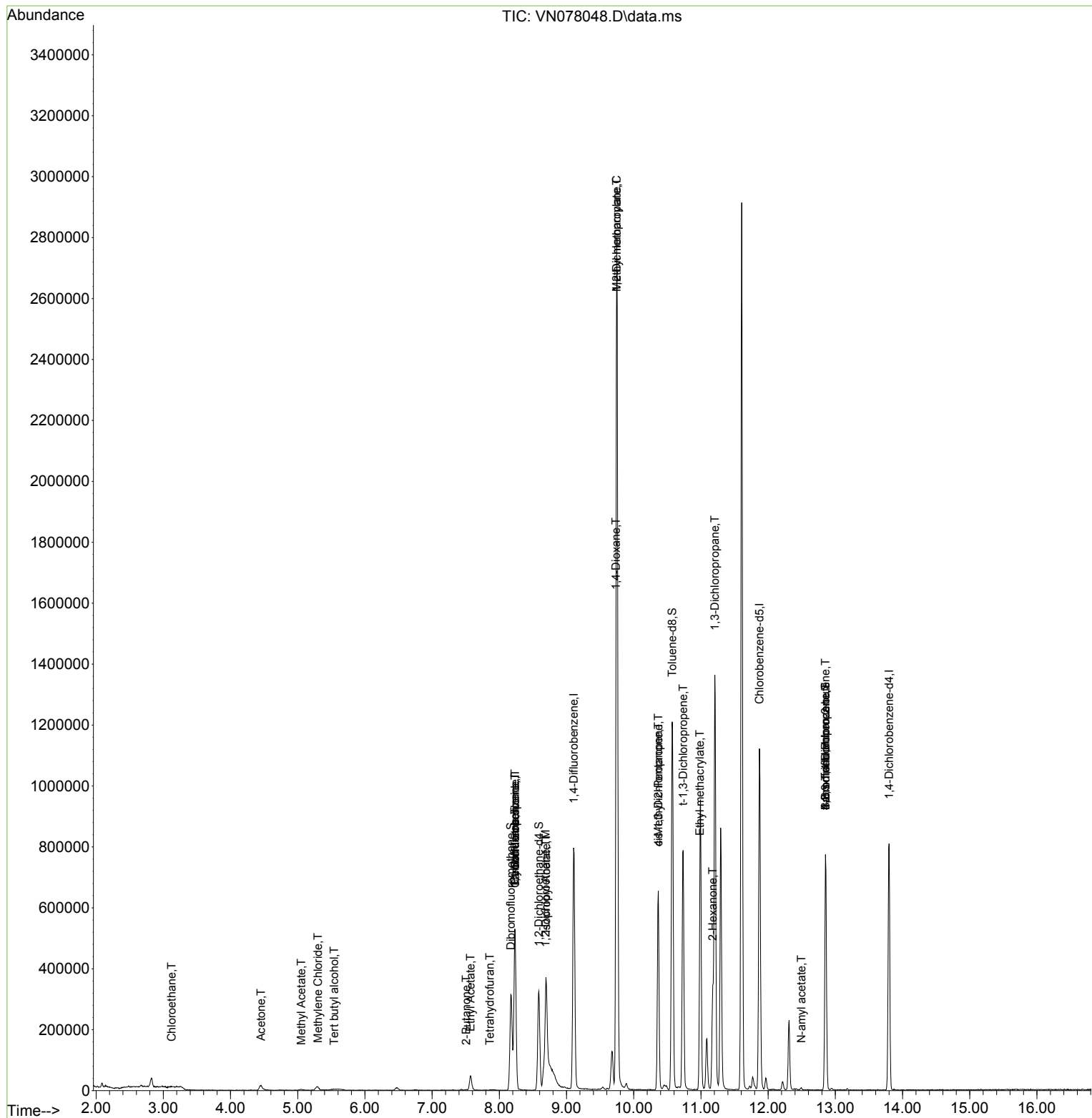
Internal Standards						
1) Pentafluorobenzene	8.230	168	377571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	714309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	669696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	224183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	264970	46.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.800%		
35) Dibromofluoromethane	8.171	113	227100	48.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	10.571	98	904661	50.459	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.920%		
62) 4-Bromofluorobenzene	12.853	95	277337	43.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	942	Below Cal	#	42
6) Chloroethane	3.124	64	865	0.222	ug/l #	43
11) Tert butyl alcohol	5.542	59	403	0.517	ug/l #	72
13) Acrolein	4.195	56	180	Below Cal	#	75
16) Acetone	4.453	43	29537	16.618	ug/l #	76
18) Methyl Acetate	5.053	43	6331	0.849	ug/l #	78
20) Methylene Chloride	5.300	84	10046	0.204	ug/l #	74
25) 2-Butanone	7.506	43	2376	0.855	ug/l #	86
29) Tetrahydrofuran	7.859	42	687	0.377	ug/l #	35
31) Cyclohexane	8.230	56	9377	1.221	ug/l #	50
36) 1,1-Dichloropropene	8.236	75	31559	4.632	ug/l #	48
37) Ethyl Acetate	7.571	43	65152	10.729	ug/l	97
38) Carbon Tetrachloride	8.236	117	41406	6.019	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	2123	0.291	ug/l #	73
43) Isopropyl Acetate	8.694	43	616815	62.187	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	3918	0.764	ug/l #	45
48) Methyl methacrylate	9.747	41	252753	53.747	ug/l #	28
49) 1,4-Dioxane	9.735	88	478	5.382	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	229547	38.934	ug/l #	41
53) t-1,3-Dichloropropene	10.735	75	2131	0.286	ug/l #	56
54) cis-1,3-Dichloropropene	10.365	75	122151	14.899	ug/l #	66
56) Ethyl methacrylate	10.982	69	3546	0.472	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15611	1.832	ug/l #	42
59) 2-Hexanone	11.177	43	258884	59.365	ug/l #	19
71) Bromoform	12.853	173	1684	0.504	ug/l #	1
74) N-amyl acetate	12.494	43	2261	0.317	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	146309	26.060	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146309	83.301	ug/l #	15

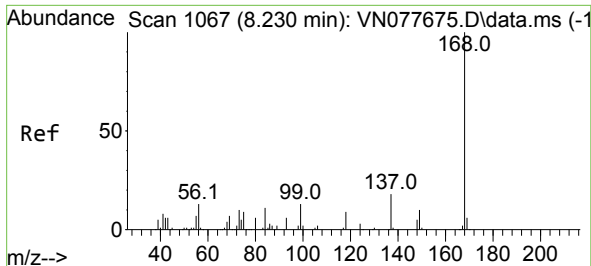
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
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QLast Update : Tue May 16 04:07:42 2023
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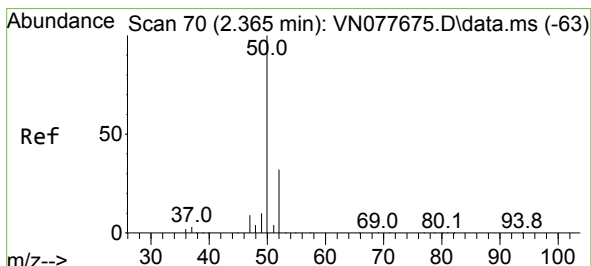
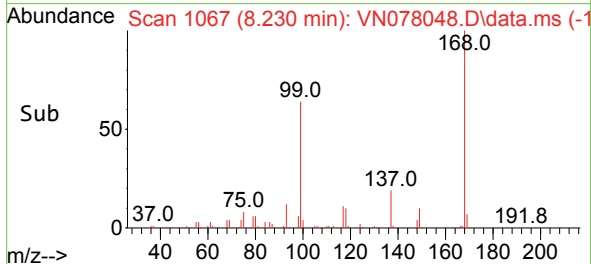
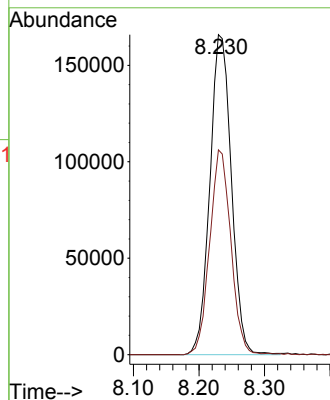
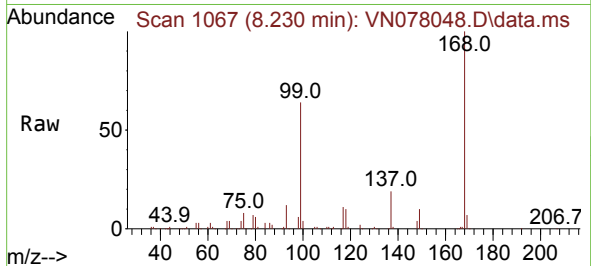




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

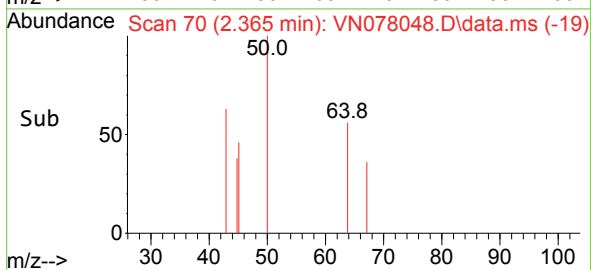
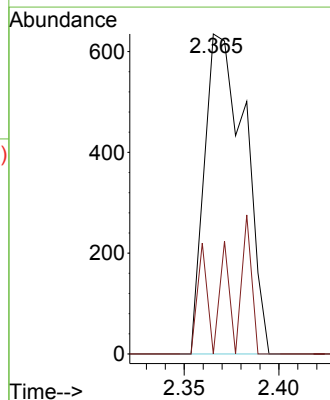
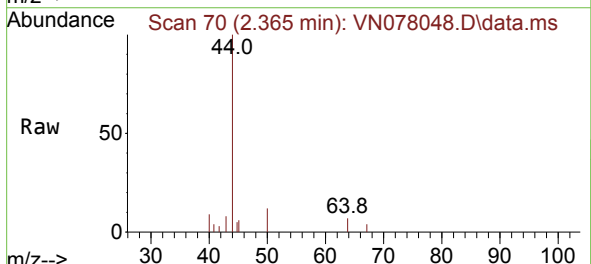
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

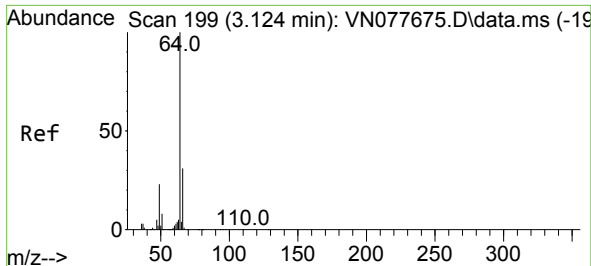
Tgt Ion:168 Resp: 377571
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 50 Resp: 942
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

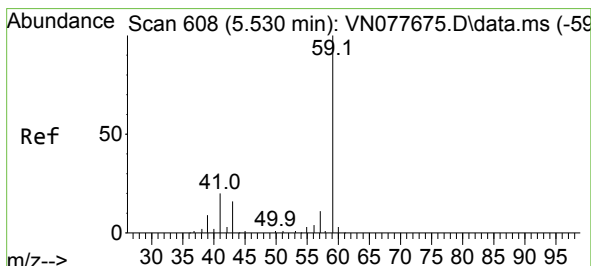
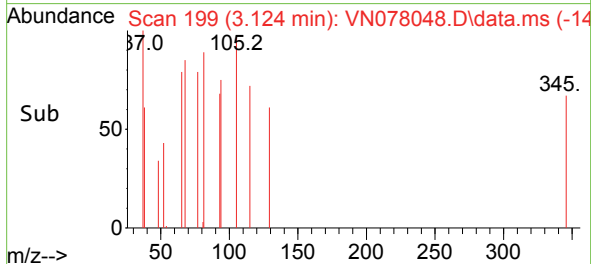
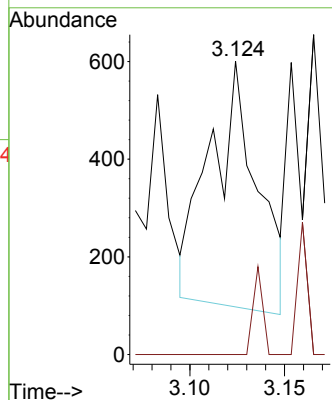
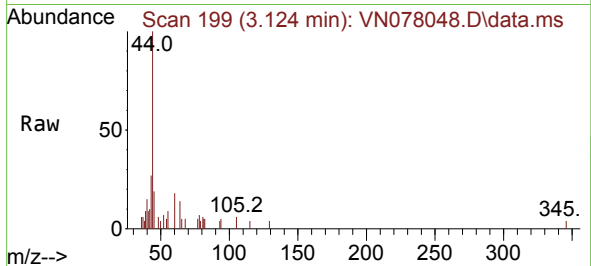




#6
Chloroethane
Concen: 0.222 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

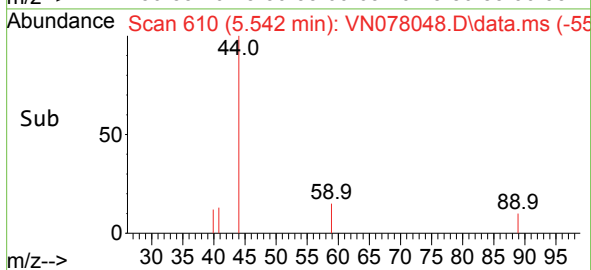
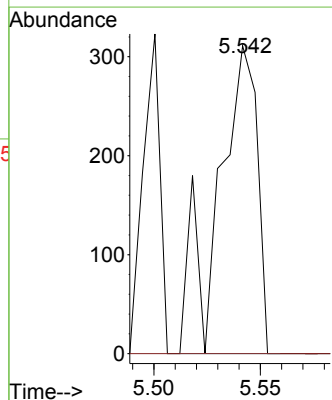
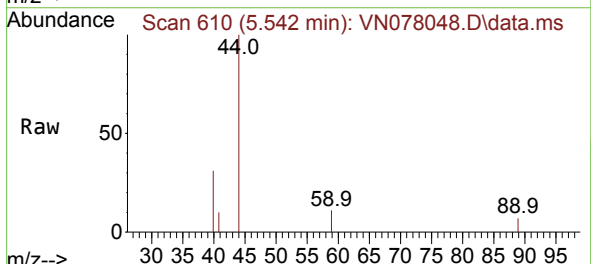
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

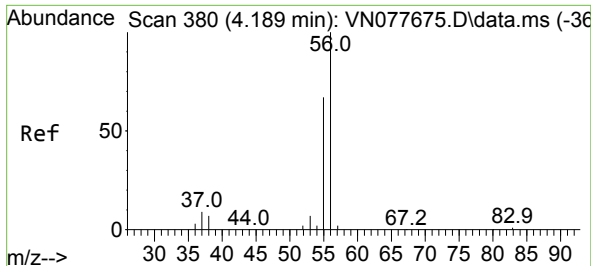
Tgt Ion: 64 Resp: 865
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.517 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

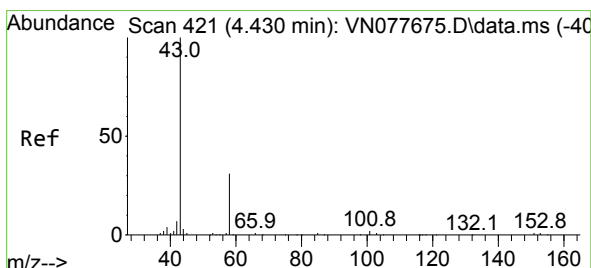
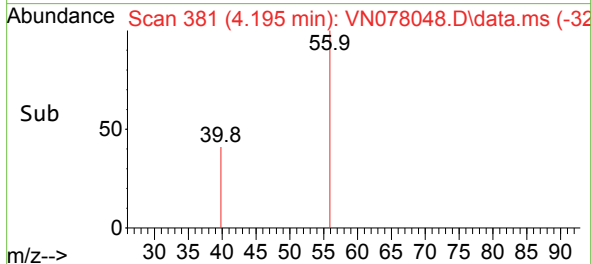
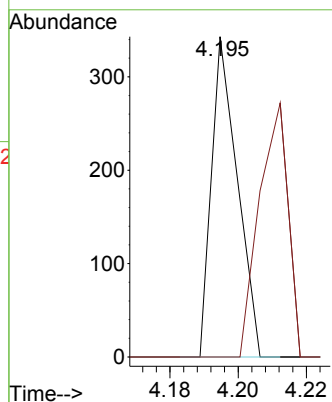
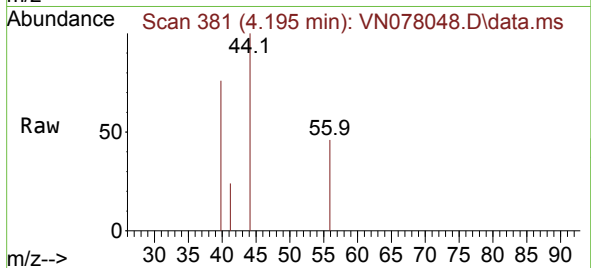




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

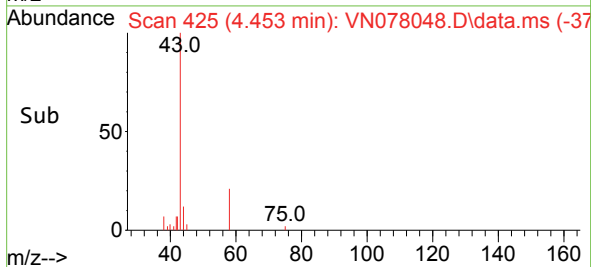
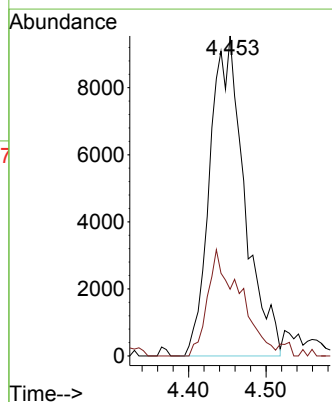
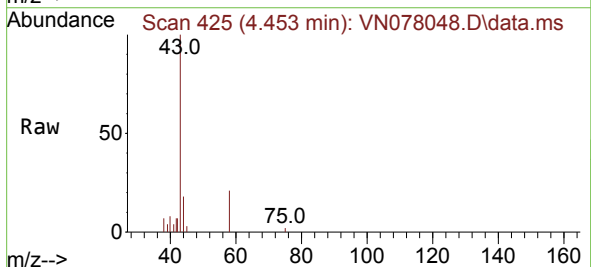
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

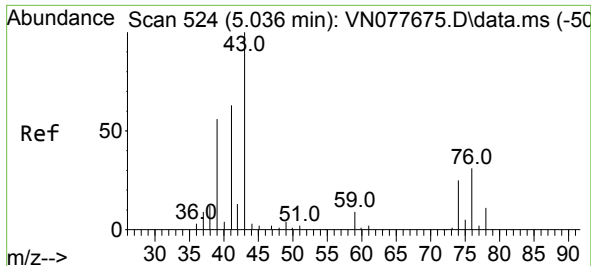
Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 88.3 54.5 81.7#



#16
Acetone
Concen: 16.618 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 43 Resp: 29537
Ion Ratio Lower Upper
43 100
58 20.8 28.0 42.0#

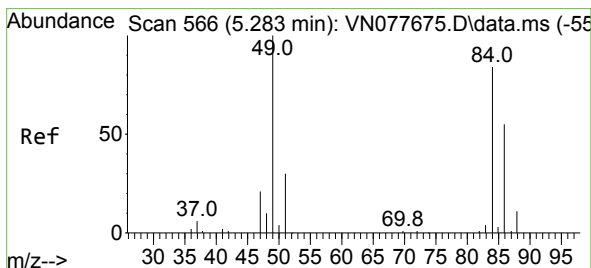
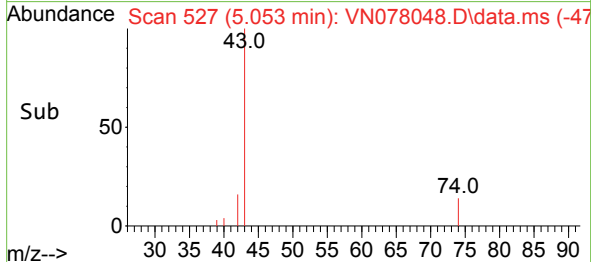
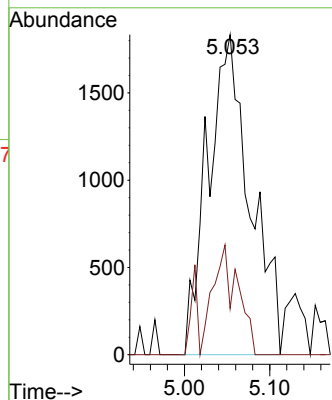
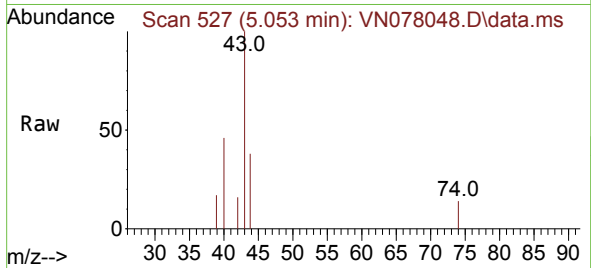




#18
Methyl Acetate
Concen: 0.849 ug/l
RT: 5.053 min Scan# 511
Delta R.T. 0.017 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

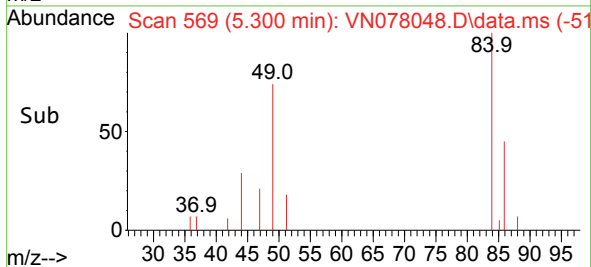
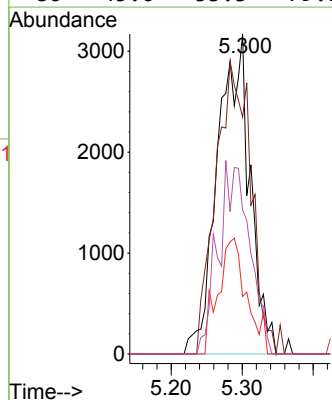
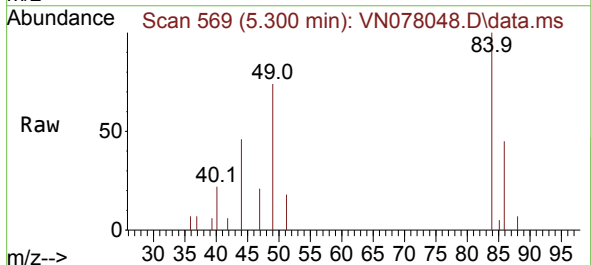
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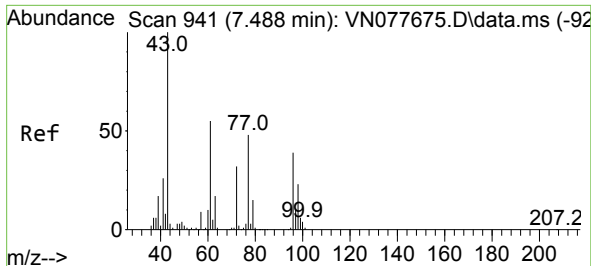
Tgt Ion: 43 Resp: 6331
Ion Ratio Lower Upper
43 100
74 20.2 26.2 39.4#



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.017 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 84 Resp: 10046
Ion Ratio Lower Upper
84 100
49 74.0 79.7 119.5#
51 18.0 25.2 37.8#
86 45.0 53.3 79.9#

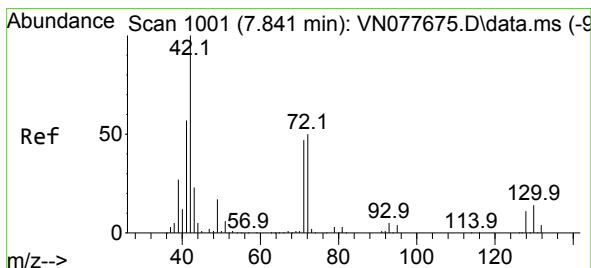
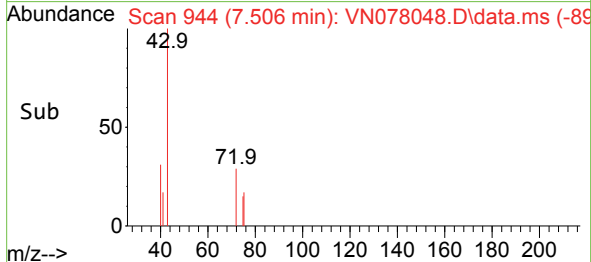
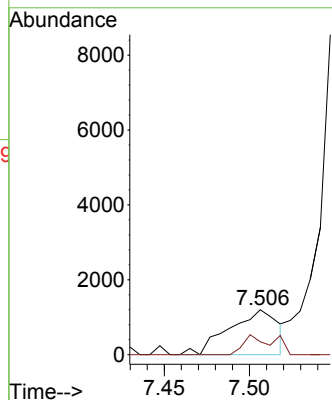
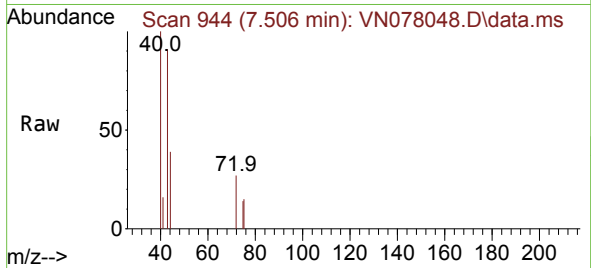




#25
2-Butanone
Concen: 0.855 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

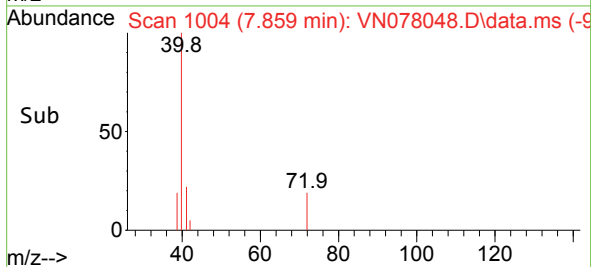
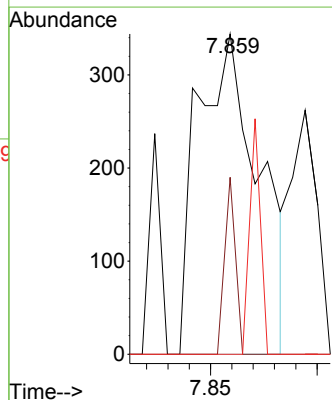
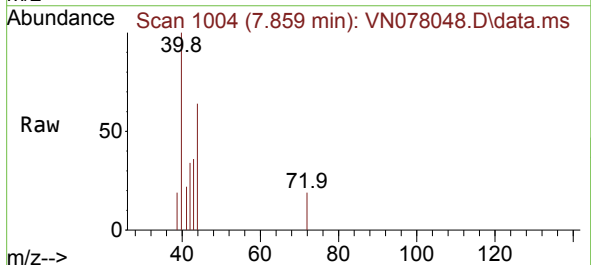
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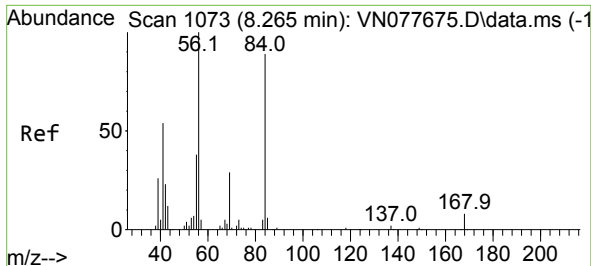
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
72 29.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.377 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 9.8 49.8 74.6#
71 13.0 47.4 71.2#

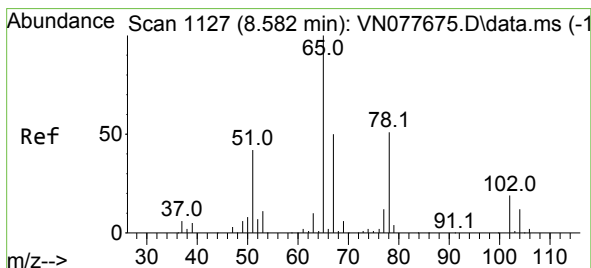
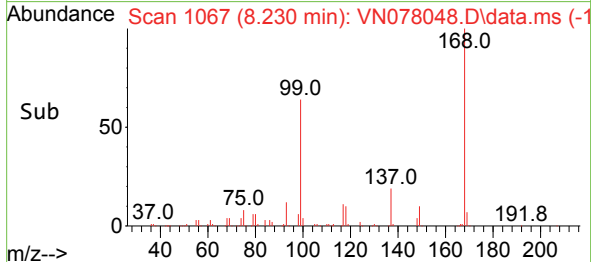
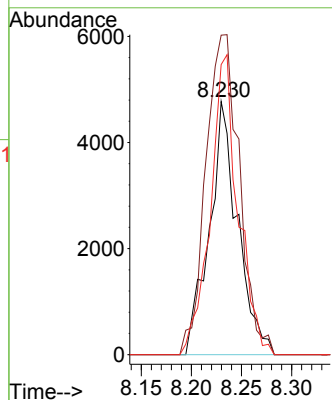
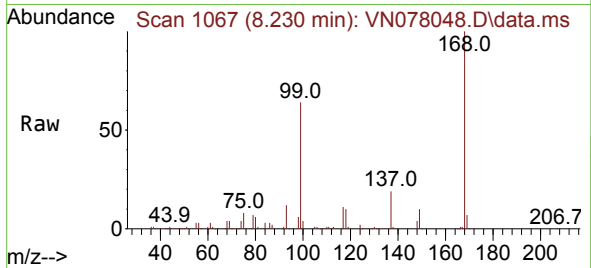




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

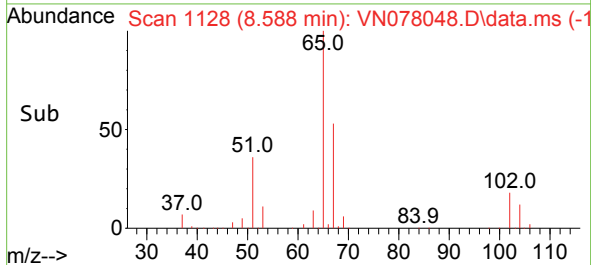
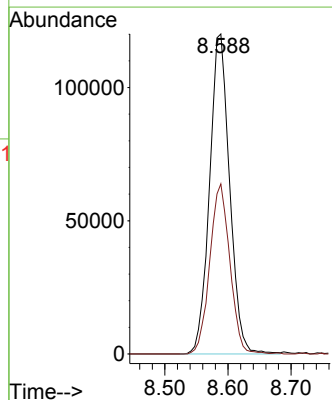
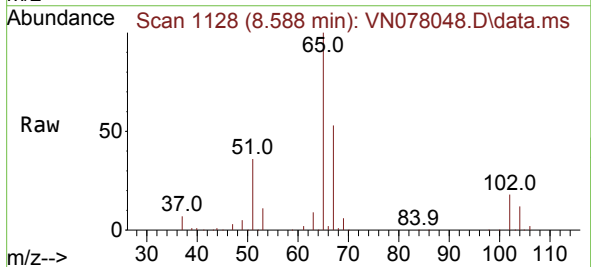
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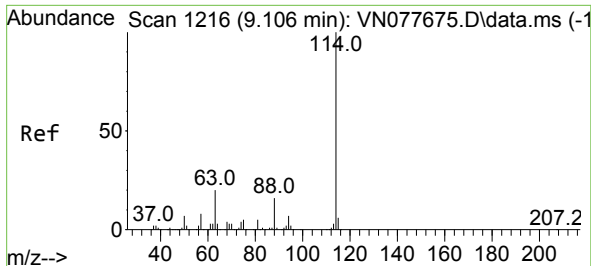
Tgt Ion: 56 Resp: 9377
Ion Ratio Lower Upper
56 100
69 126.3 26.8 40.2#
84 114.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.902 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 65 Resp: 264970
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078048.D

Acq: 05 Jun 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#09

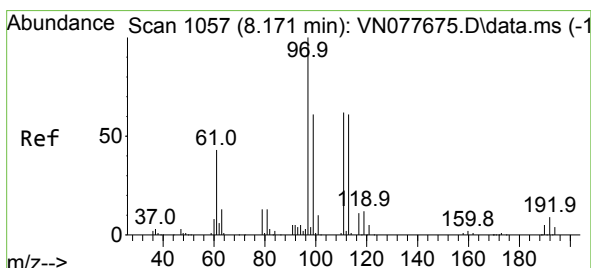
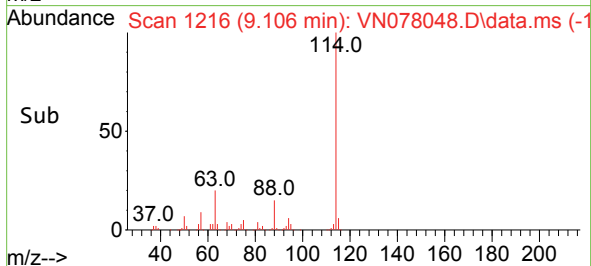
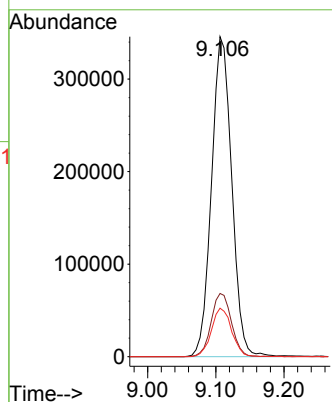
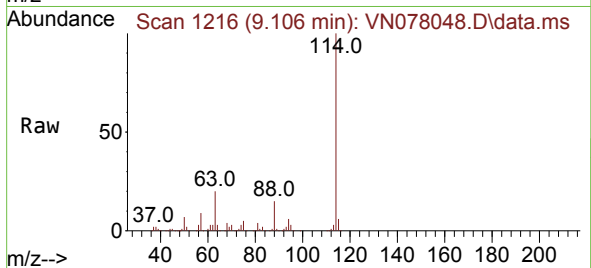
Tgt Ion:114 Resp: 714309

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.756 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078048.D

Acq: 05 Jun 2023 16:45

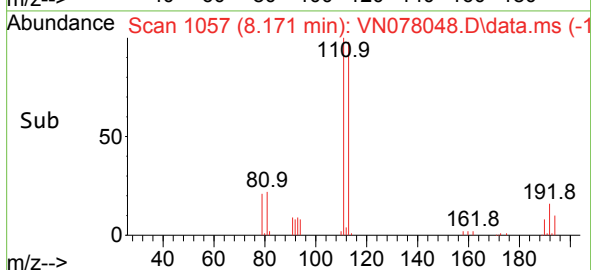
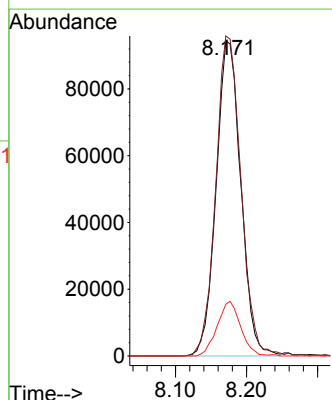
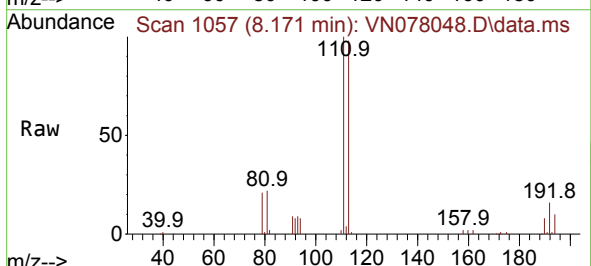
Tgt Ion:113 Resp: 227100

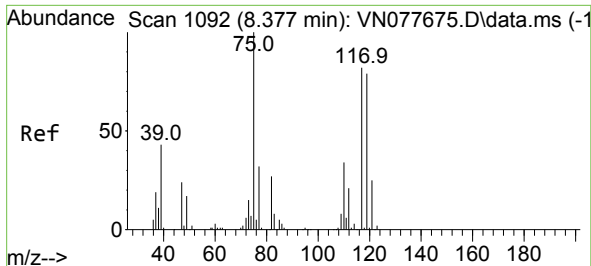
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

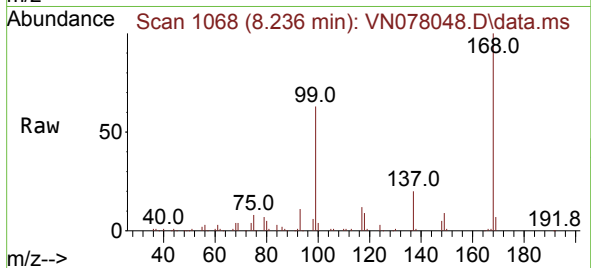
192 16.6 12.7 19.1



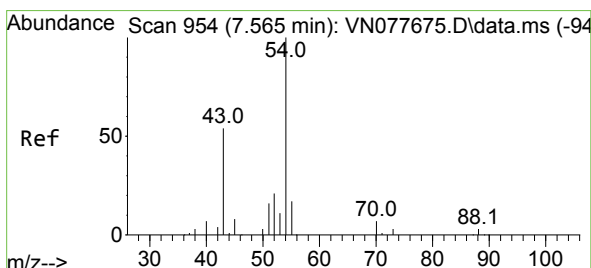
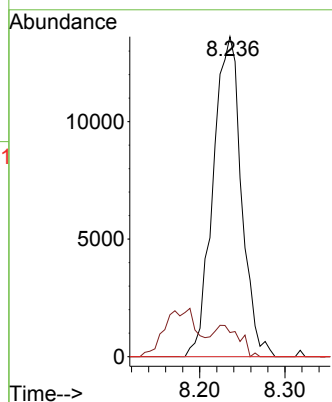
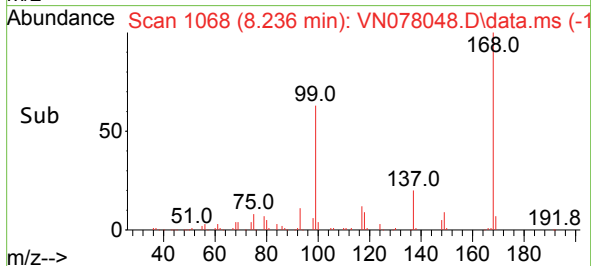


#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

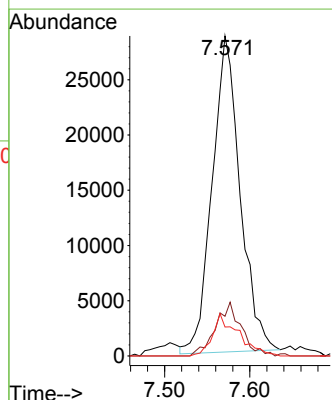
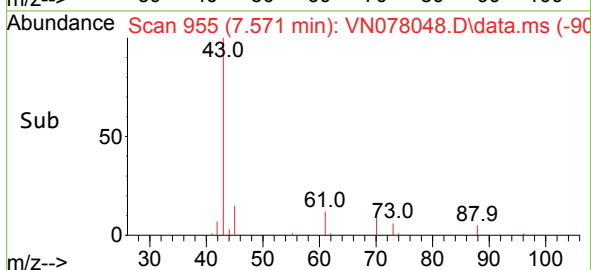
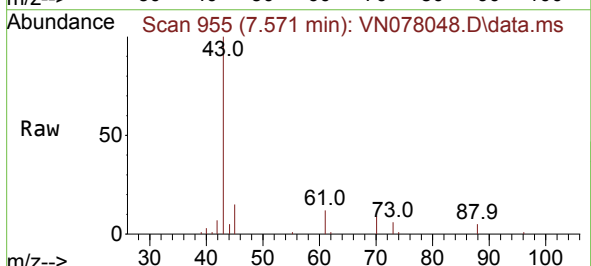


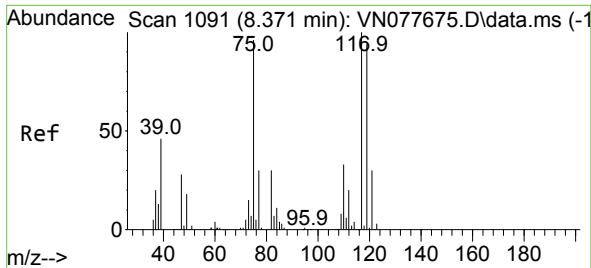
Tgt Ion: 75 Resp: 31559
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.729 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

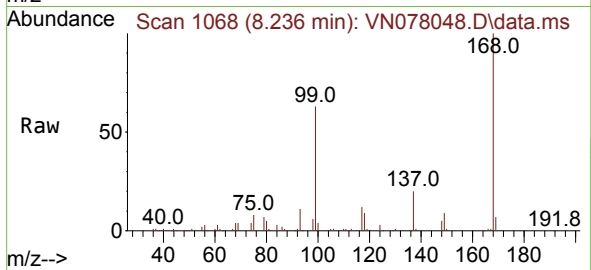
Tgt Ion: 43 Resp: 65152
Ion Ratio Lower Upper
43 100
61 15.7 13.2 19.8
70 12.4 11.3 16.9



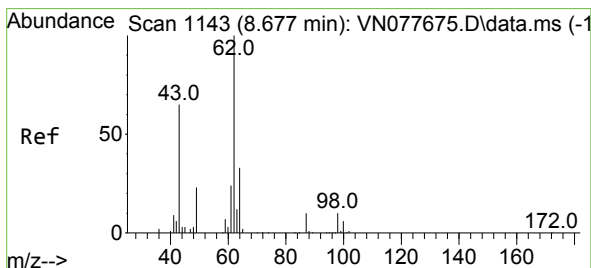
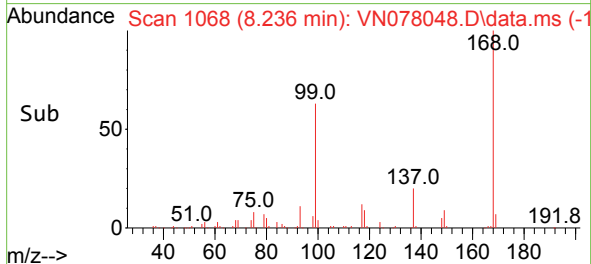
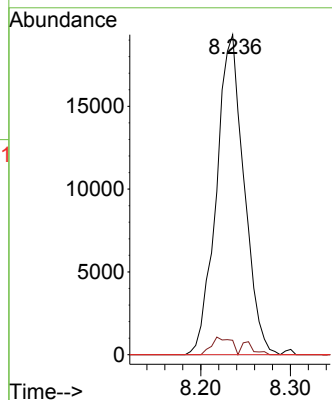


#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

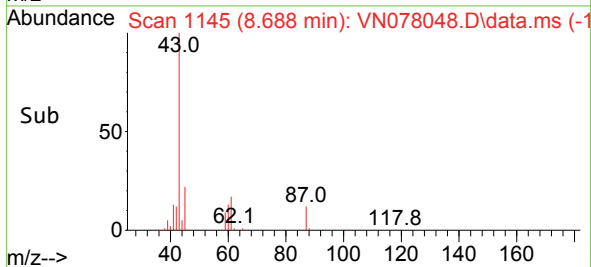
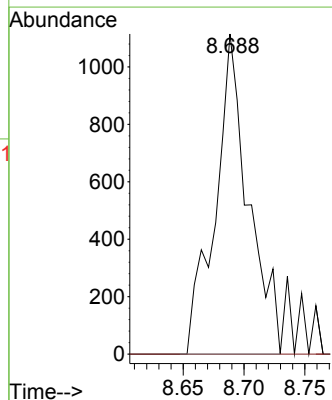
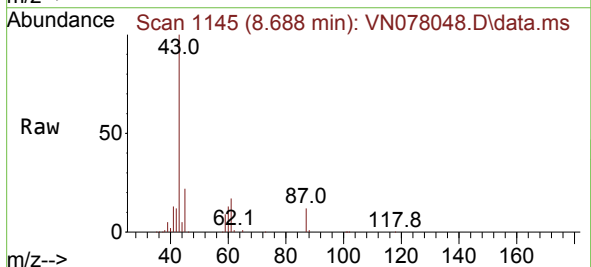


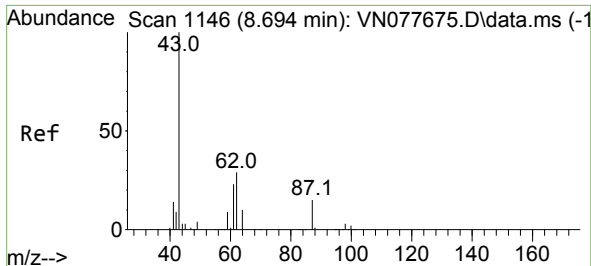
Tgt Ion:117 Resp: 41406
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.011 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 62 Resp: 2123
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

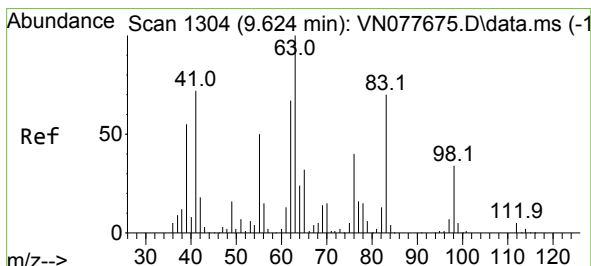
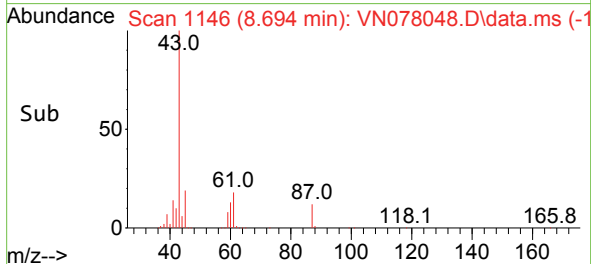
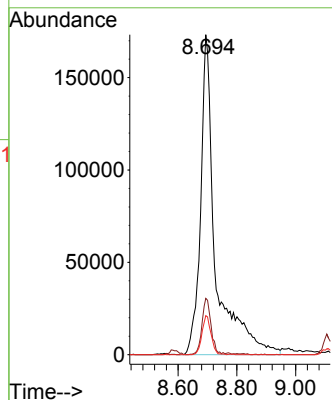
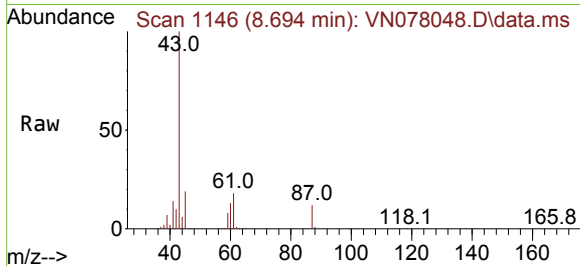




#43
Isopropyl Acetate
Concen: 62.187 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

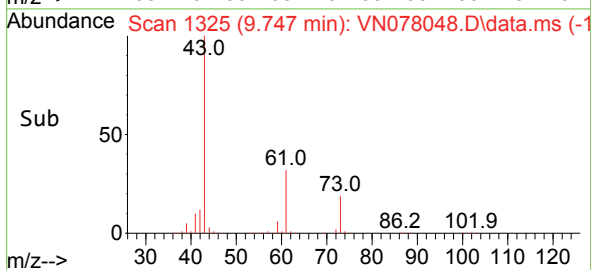
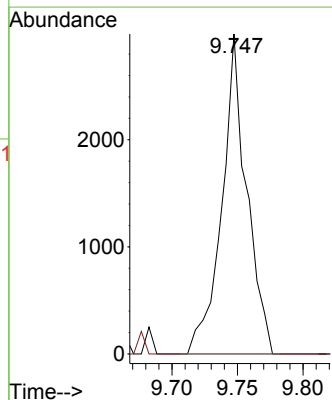
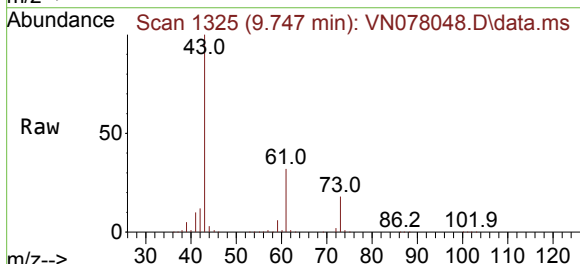
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

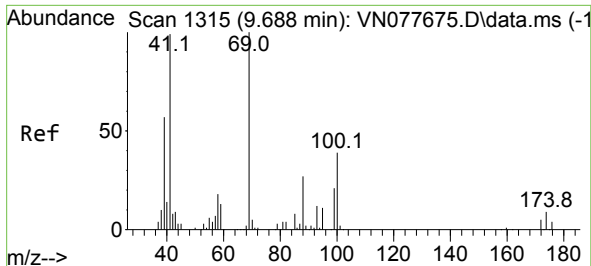
Tgt Ion: 43 Resp: 616815
Ion Ratio Lower Upper
43 100
61 10.7 24.7 37.1#
87 7.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.764 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 63 Resp: 3918
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

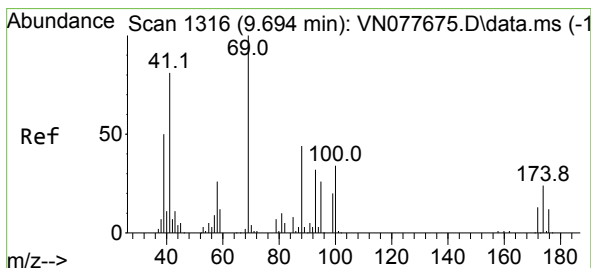
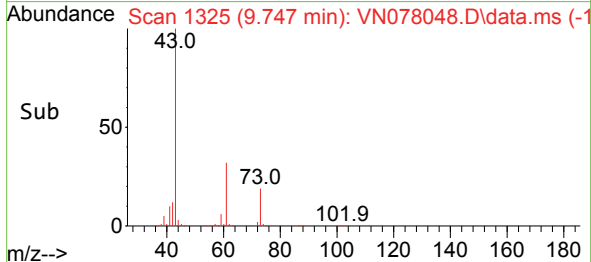
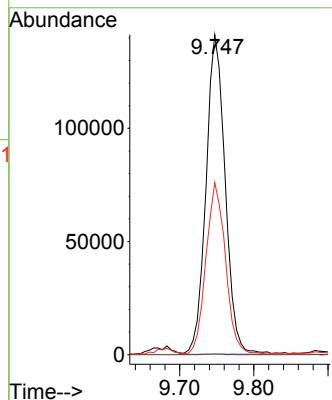
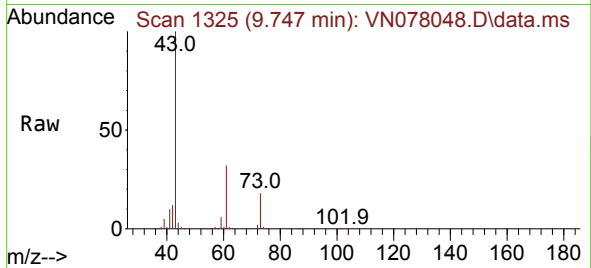




#48
Methyl methacrylate
Concen: 53.747 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

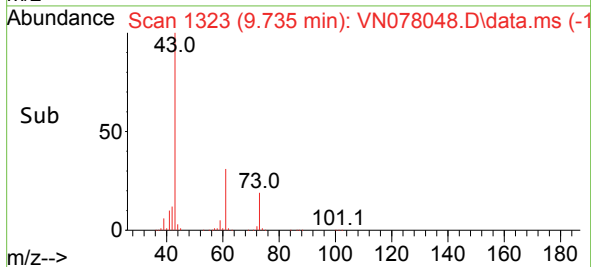
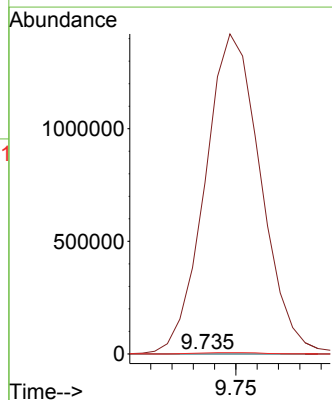
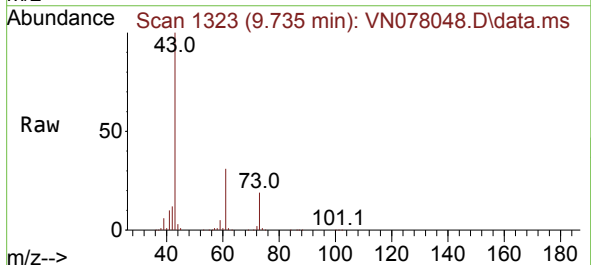
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

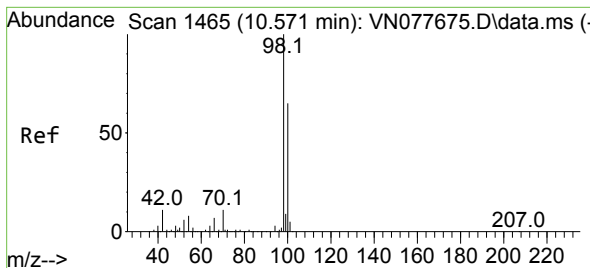
Tgt Ion: 41 Resp: 252753
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 54.6 54.6 81.8



#49
1,4-Dioxane
Concen: 5.382 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 88 Resp: 478
Ion Ratio Lower Upper
88 100
43 545682.6 17.0 25.6#
58 2663.8 47.0 70.4#





#50

Toluene-d8

Concen: 50.459 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078048.D

Acq: 05 Jun 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

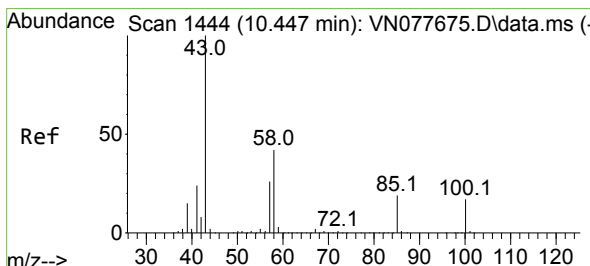
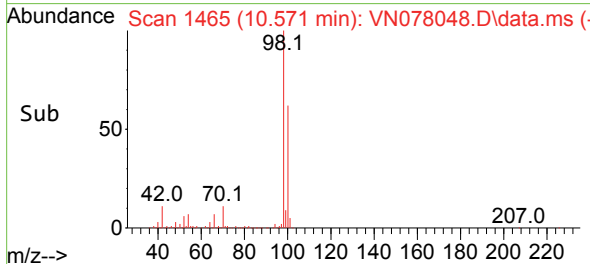
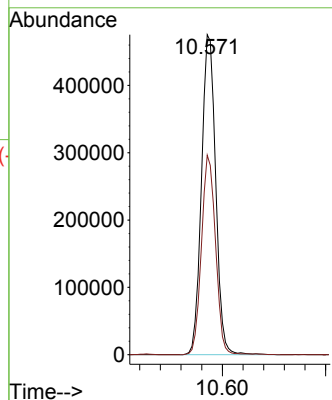
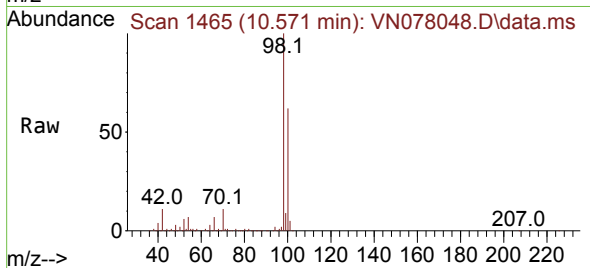
PB153198ZHE#09

Tgt Ion: 98 Resp: 904661

Ion Ratio Lower Upper

98 100

100 61.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 38.934 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. -0.082 min

Lab File: VN078048.D

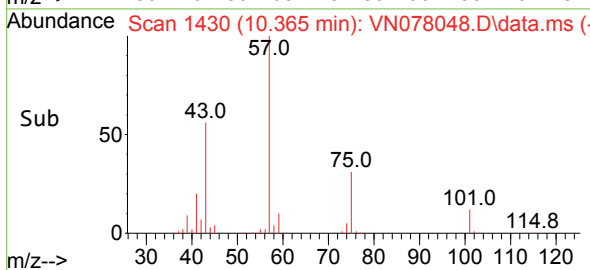
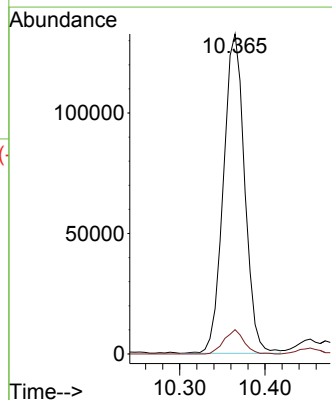
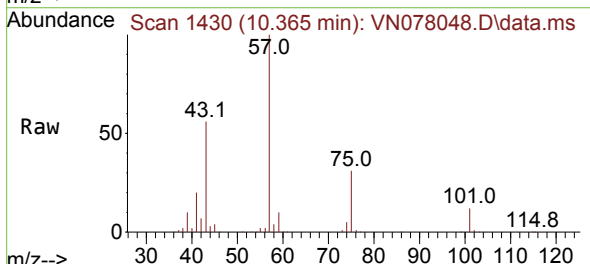
Acq: 05 Jun 2023 16:45

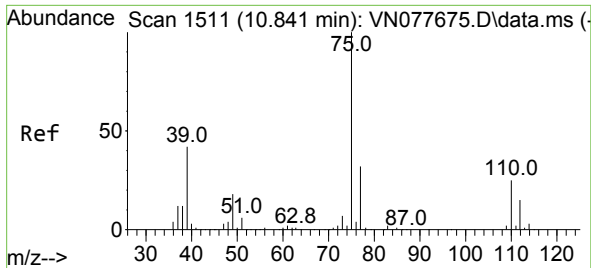
Tgt Ion: 43 Resp: 229547

Ion Ratio Lower Upper

43 100

58 7.2 36.6 54.8#

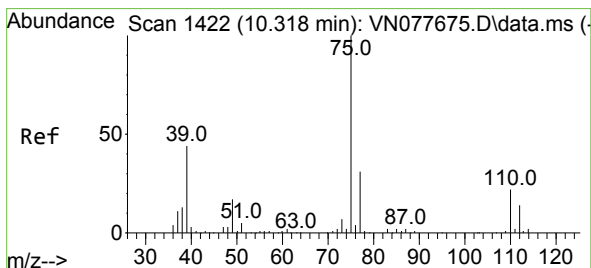
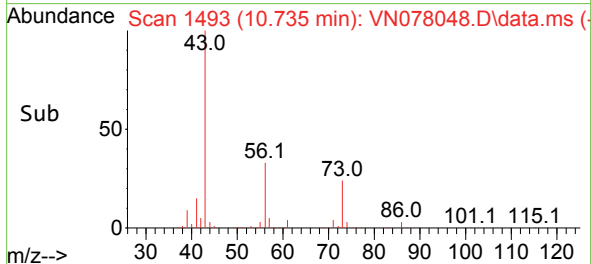
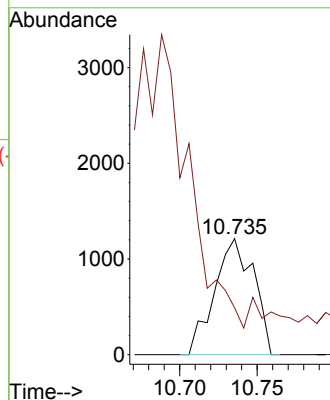
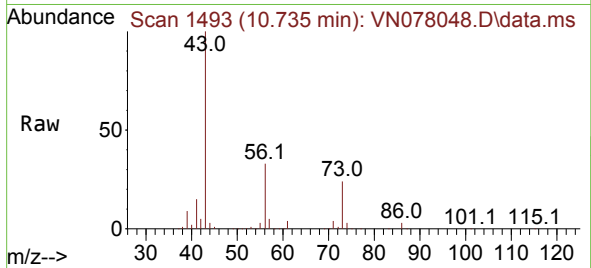




#53
t-1,3-Dichloropropene
Concen: 0.286 ug/l
RT: 10.735 min Scan# 14
Delta R.T. -0.106 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

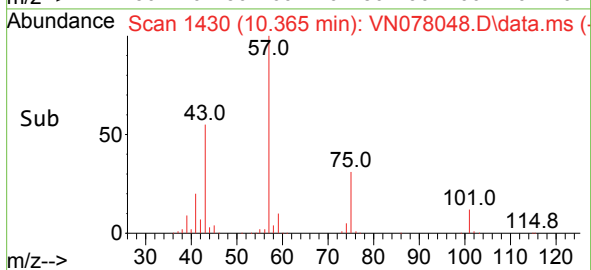
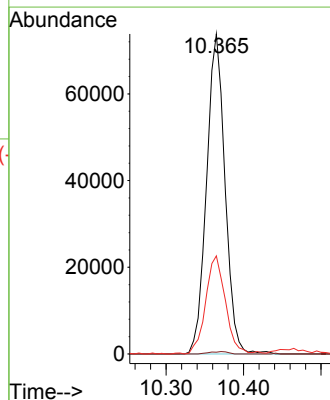
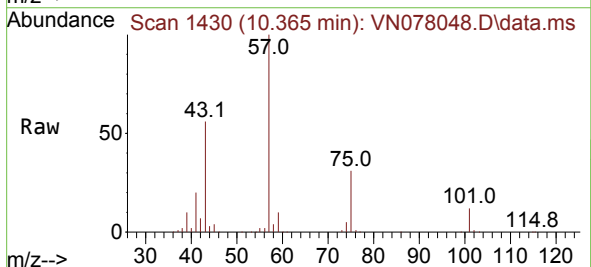
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

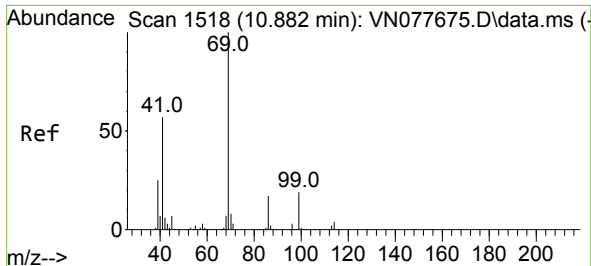
Tgt Ion: 75 Resp: 2131
Ion Ratio Lower Upper
75 100
77 7.1 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.899 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 75 Resp: 122151
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 30.4 31.6 47.4#

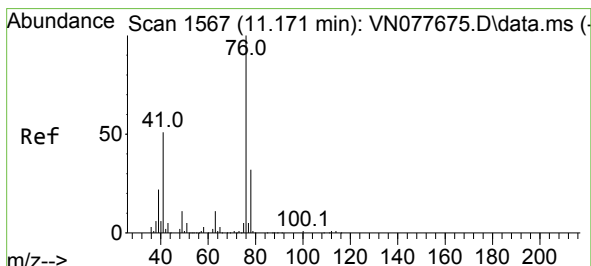
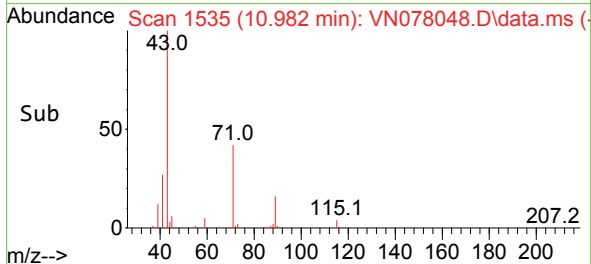
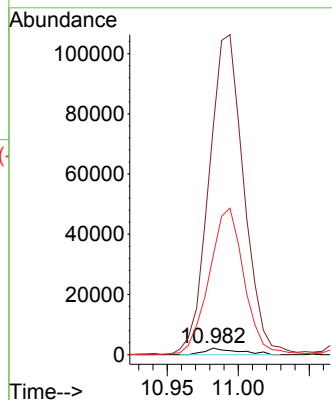
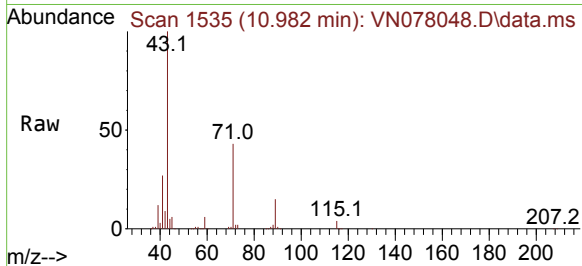




#56
Ethyl methacrylate
Concen: 0.472 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.100 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

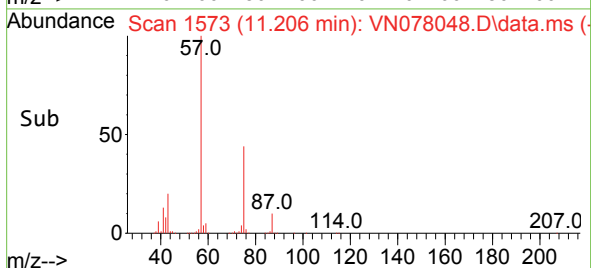
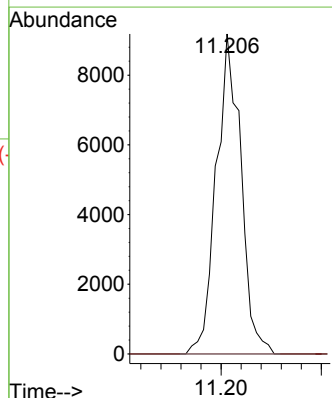
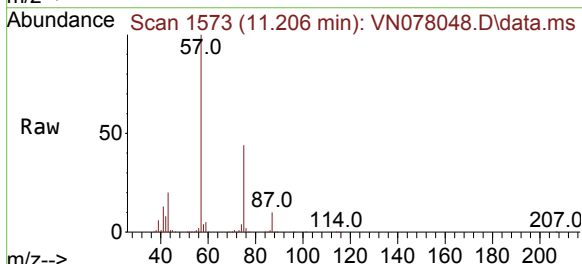
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

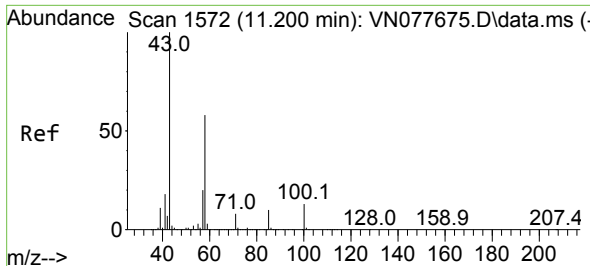
Tgt Ion: 69 Resp: 3546
Ion Ratio Lower Upper
69 100
41 5144.9 39.6 59.4#
39 2351.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.832 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 76 Resp: 15611
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

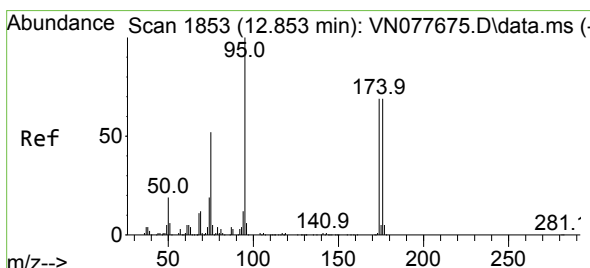
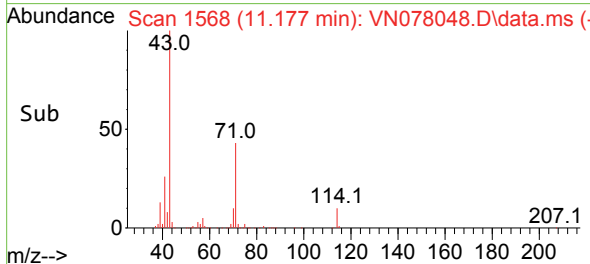
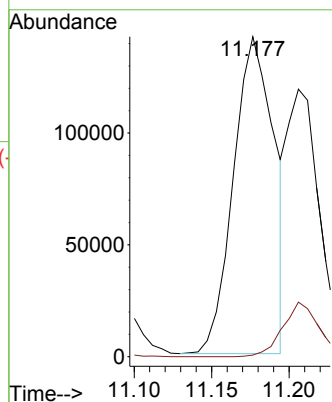
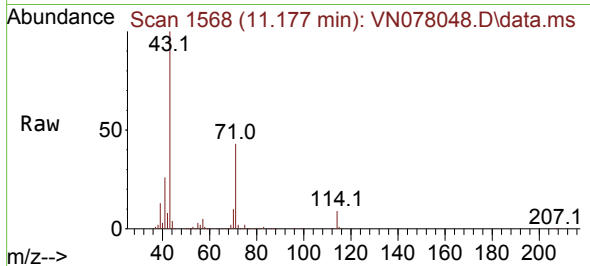




#59
2-Hexanone
Concen: 59.365 ug/l
RT: 11.177 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

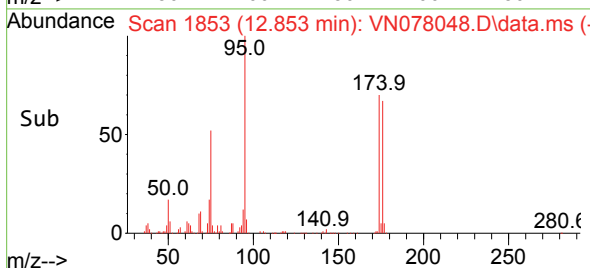
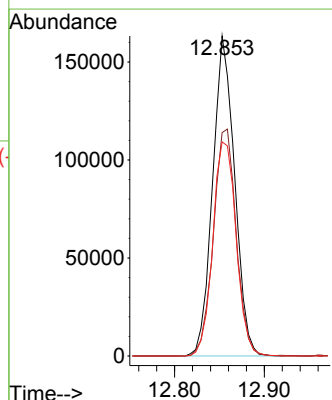
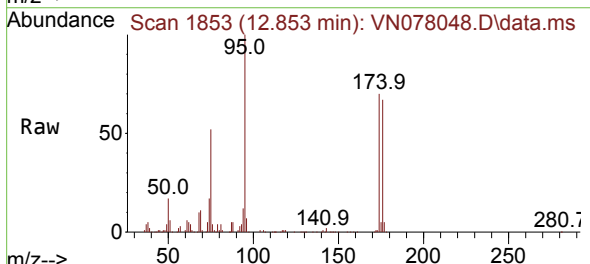
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

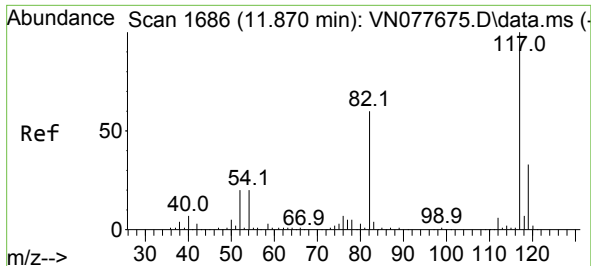
Tgt Ion: 43 Resp: 258884
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 43.799 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 95 Resp: 277337
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 71.1 0.0 135.8

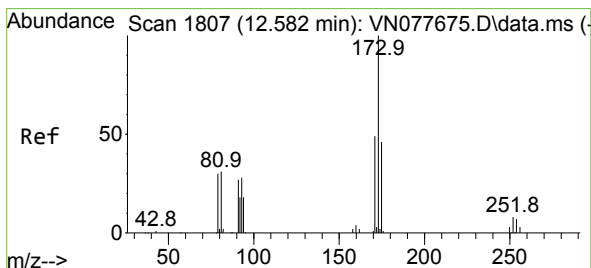
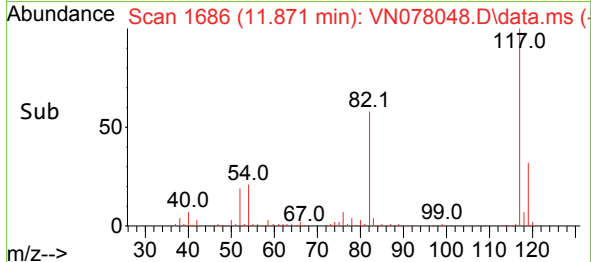
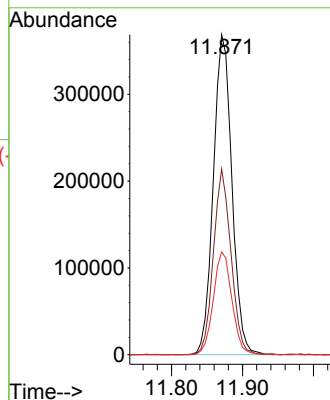
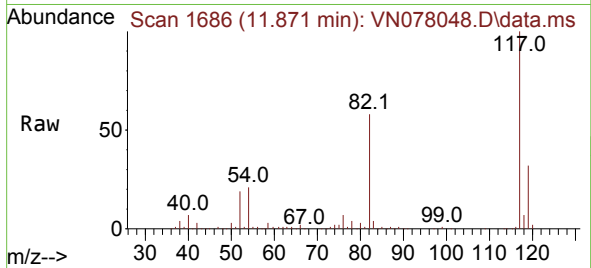




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

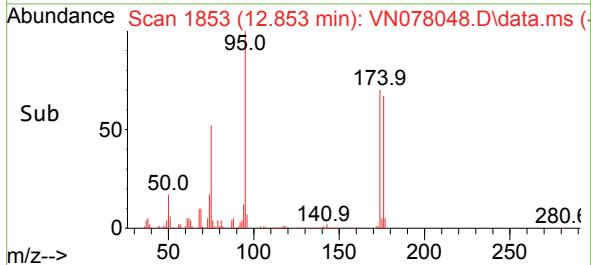
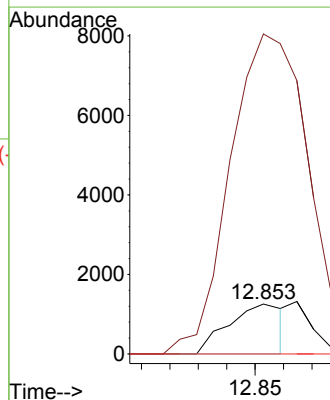
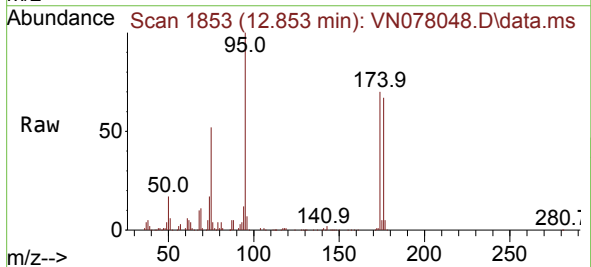
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

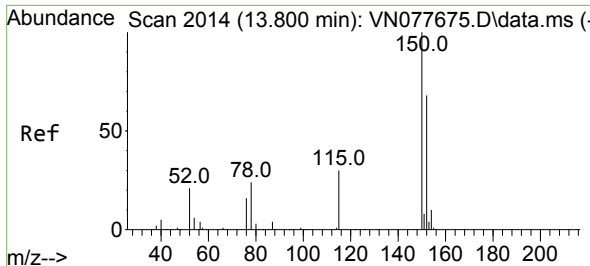
Tgt Ion:117 Resp: 669696
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.504 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion:173 Resp: 1684
Ion Ratio Lower Upper
173 100
175 639.4 24.3 73.0#
254 0.0 0.0 0.0

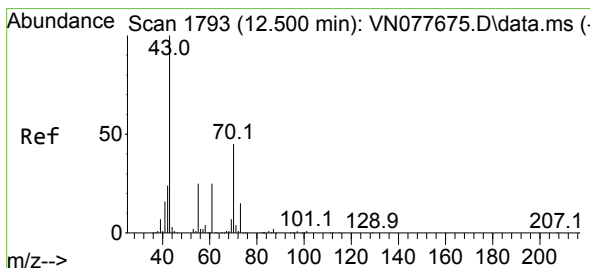
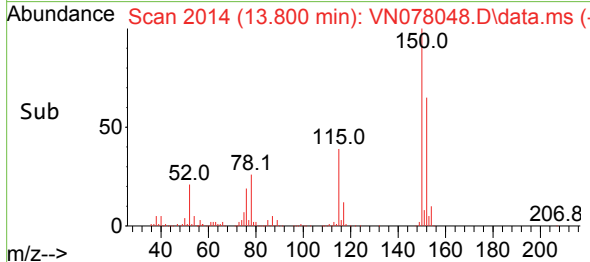
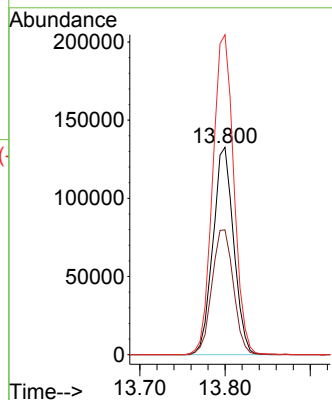
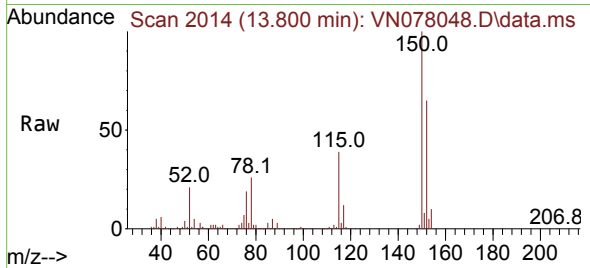




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

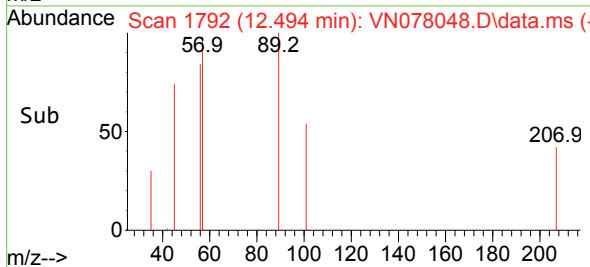
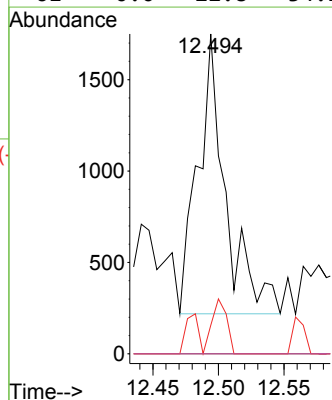
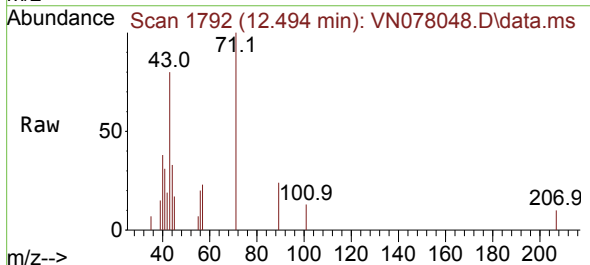
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

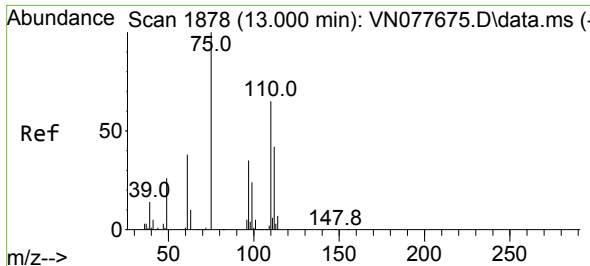
Tgt Ion:152 Resp: 224183
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 157.3 0.0 355.8



#74
N-ethyl acetate
Concen: 0.317 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 10.6 21.4 32.0#
61 0.0 22.8 34.2#

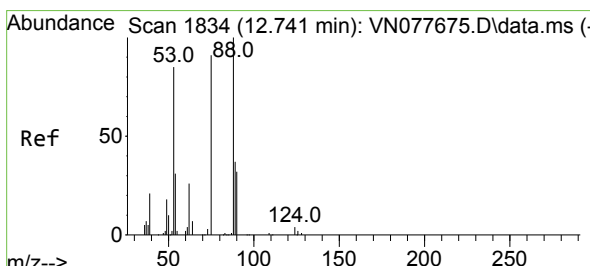
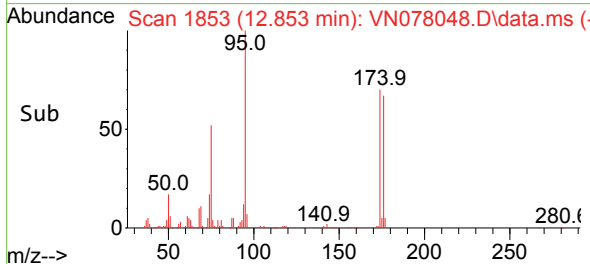
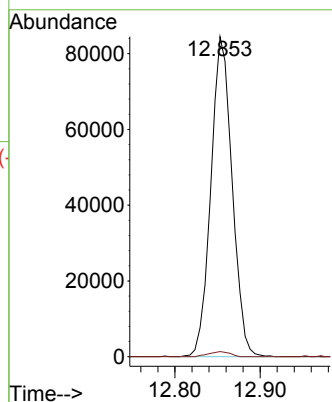
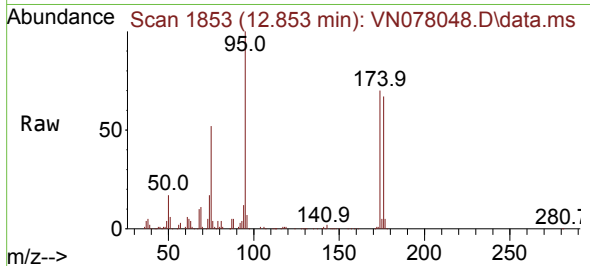




#76
1,2,3-Trichloropropane
Concen: 26.060 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#09

Tgt Ion: 75 Resp: 146309
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.301 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078048.D
Acq: 05 Jun 2023 16:45

Tgt Ion: 75 Resp: 146309
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#

