

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078441.D
 Acq On : 28 Jun 2023 15:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 29 05:21:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

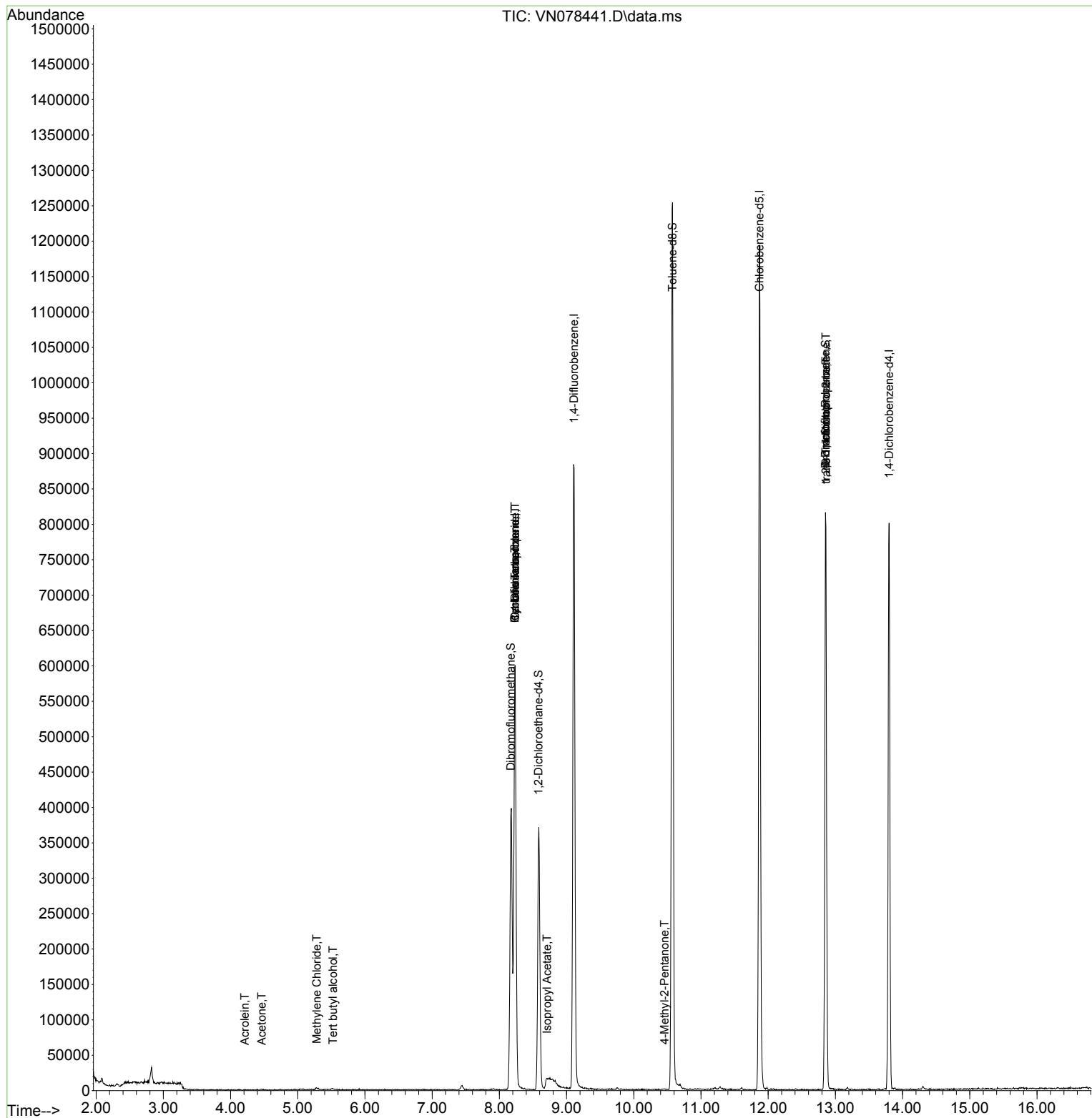
Internal Standards						
1) Pentafluorobenzene	8.230	168	435551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	799684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	713356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	304105	52.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.740%	
35) Dibromofluoromethane	8.171	113	292342	57.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.640%	
50) Toluene-d8	10.577	98	929959	47.708	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	12.853	95	297135	49.034	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1171	Below Cal		94
11) Tert butyl alcohol	5.524	59	285	0.355 ug/l	#	72
13) Acrolein	4.212	56	208	0.235 ug/l	#	53
16) Acetone	4.465	43	654	0.391 ug/l	#	40
20) Methylene Chloride	5.283	84	1708	0.309 ug/l	#	78
31) Cyclohexane	8.230	56	8947	1.201 ug/l	#	44
36) 1,1-Dichloropropene	8.235	75	36015	4.966 ug/l	#	49
38) Carbon Tetrachloride	8.235	117	48271	6.303 ug/l	#	16
43) Isopropyl Acetate	8.712	43	8756	0.808 ug/l	#	50
51) 4-Methyl-2-Pentanone	10.459	43	1522	0.267 ug/l	#	31
71) Bromoform	12.853	173	2446	0.675 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	481	Below Cal	#	15
76) 1,2,3-Trichloropropane	12.859	75	156768	29.471 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	156768	90.545 ug/l	#	15

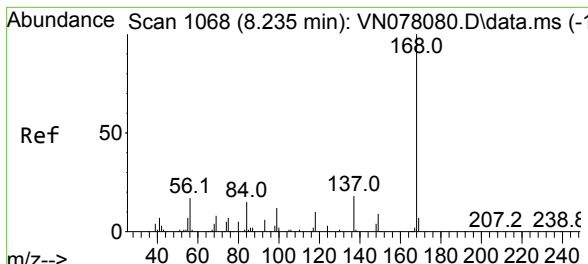
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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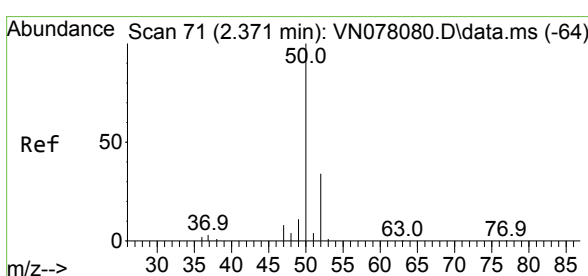
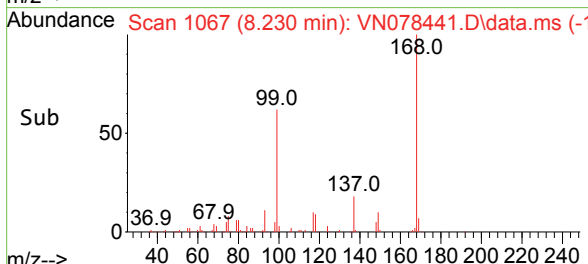
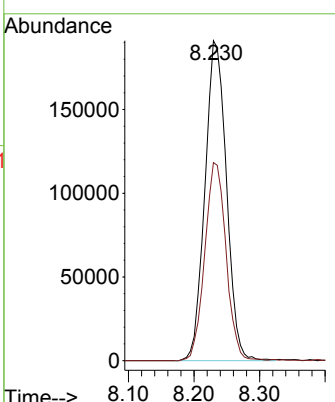
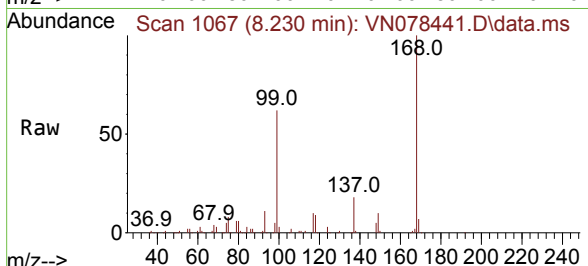


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.230 min Scan# 10
 Delta R.T. -0.005 min
 Lab File: VN078441.D
 Acq: 28 Jun 2023 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:168 Resp: 435551

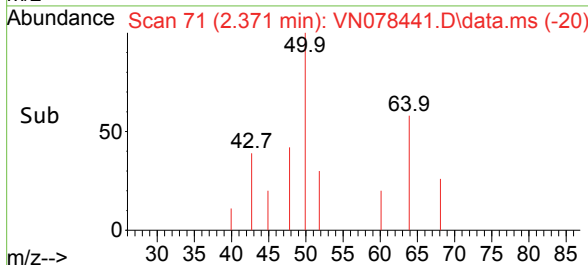
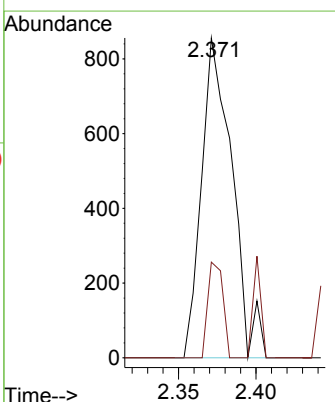
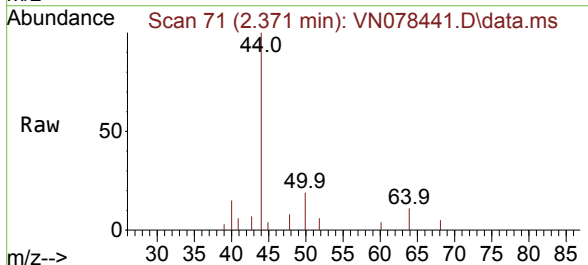
Ion	Ratio	Lower	Upper
168	100		
99	61.9	53.0	79.6

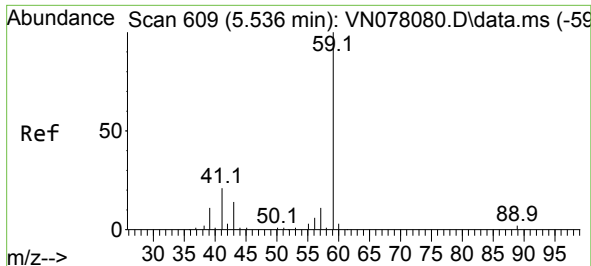


#3
 Chloromethane
 Concen: Below Cal
 RT: 2.371 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN078441.D
 Acq: 28 Jun 2023 15:06

Tgt Ion: 50 Resp: 1171

Ion	Ratio	Lower	Upper
50	100		
52	29.9	26.5	39.7

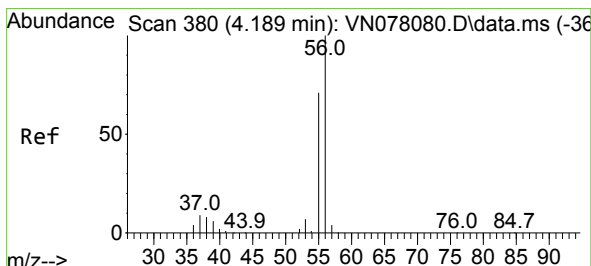
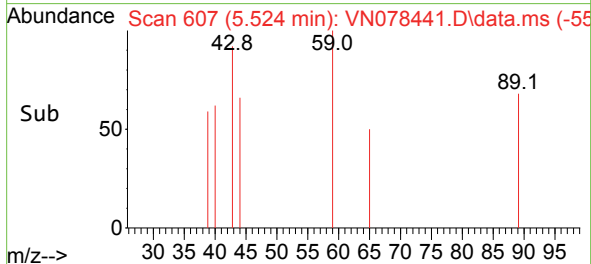
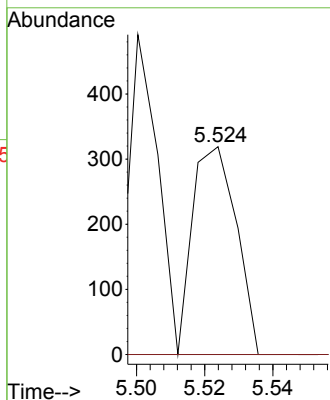
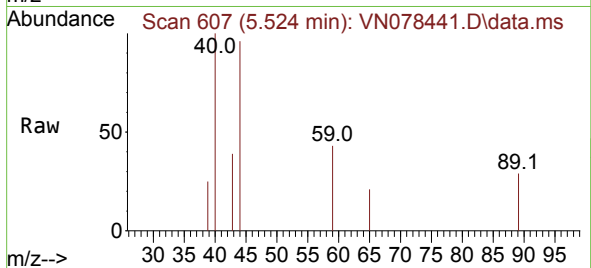




#11
Tert butyl alcohol
Concen: 0.355 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

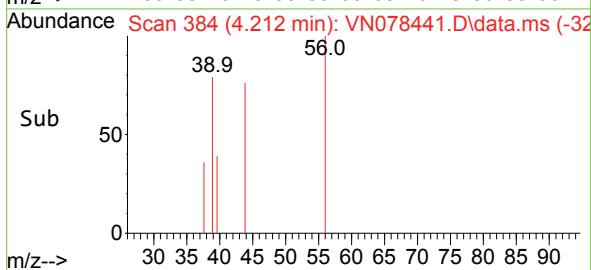
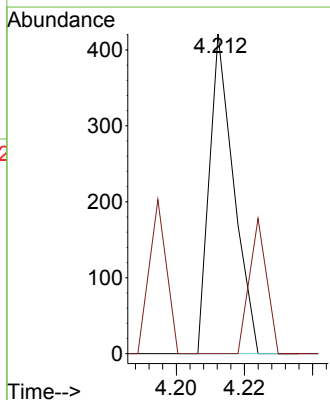
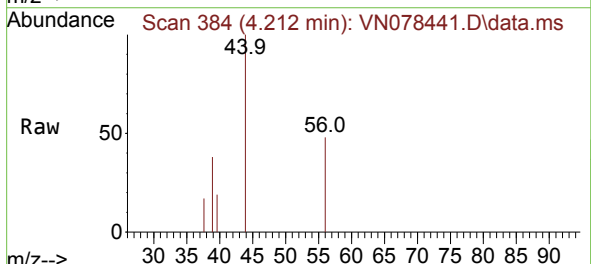
Instrument :
MSVOA_N
ClientSampleId :
IBLK

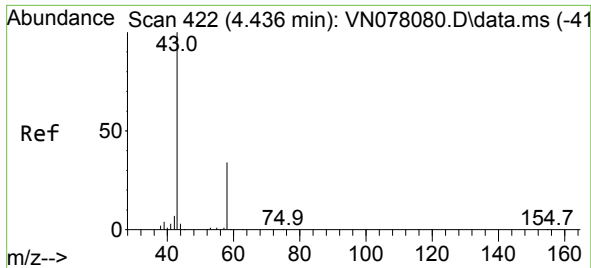
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.235 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.024 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 30.3 54.5 81.7#

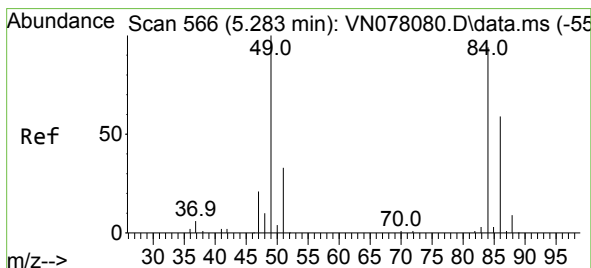
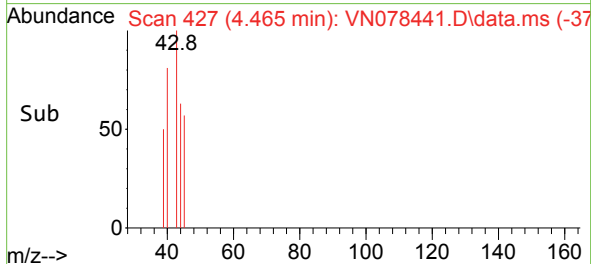
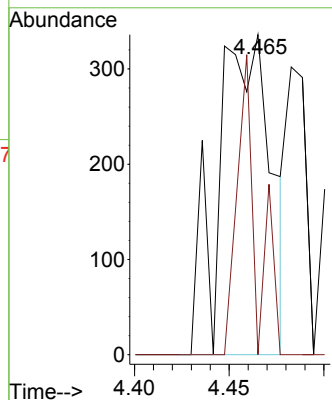
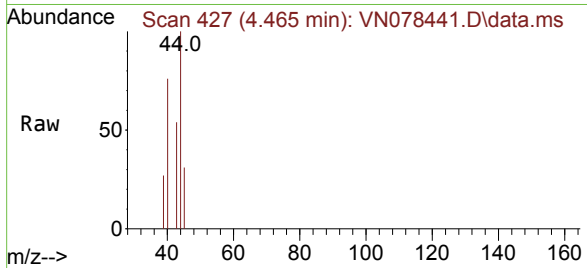




#16
Acetone
Concen: 0.391 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

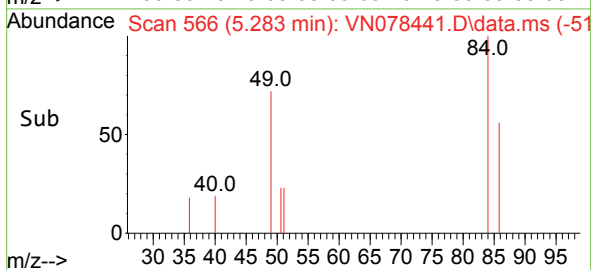
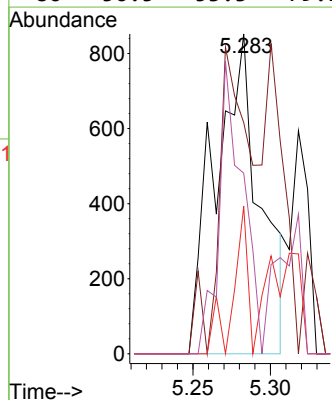
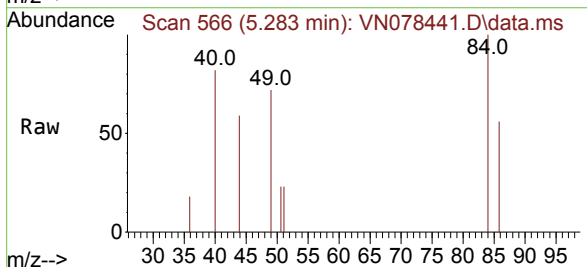
Instrument :
MSVOA_N
ClientSampleId :
IBLK

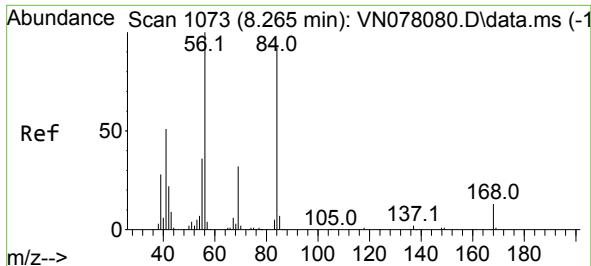
Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 84 Resp: 1708
Ion Ratio Lower Upper
84 100
49 72.3 79.7 119.5#
51 46.1 25.2 37.8#
86 56.5 53.3 79.9

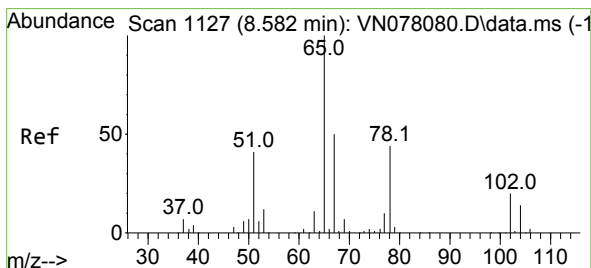
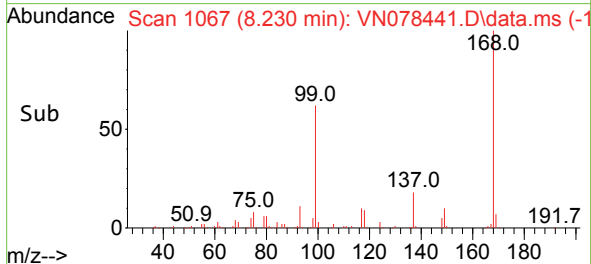
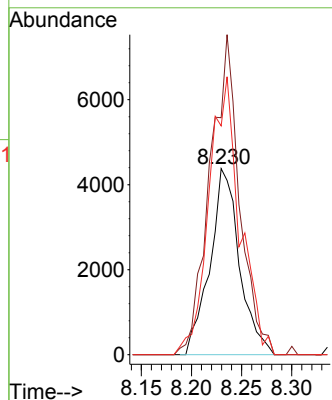
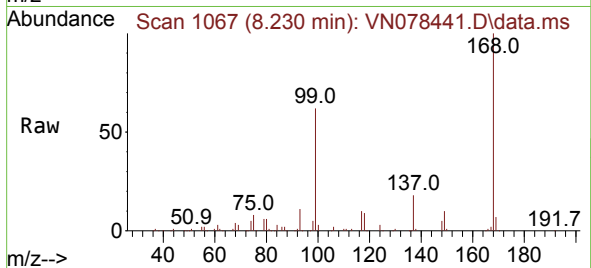




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

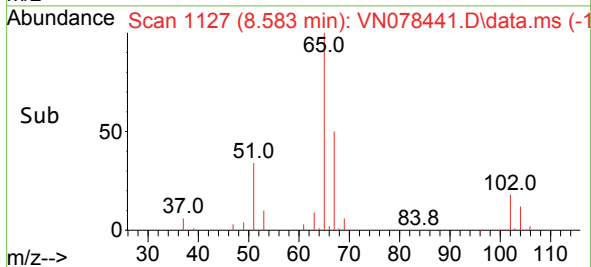
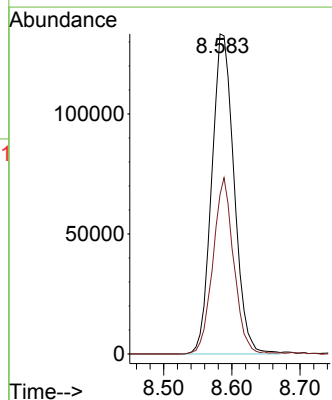
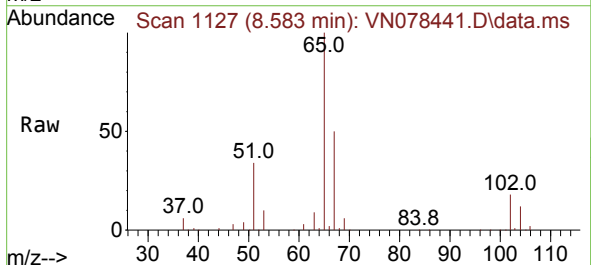
Instrument :
MSVOA_N
ClientSampleId :
IBLK

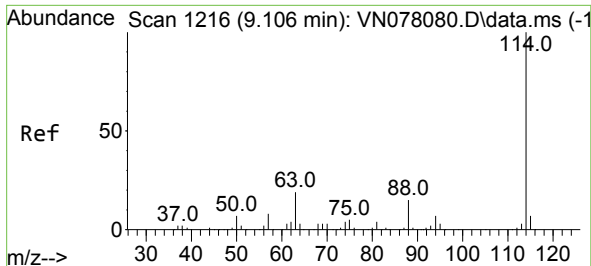
Tgt Ion: 56 Resp: 8947
Ion Ratio Lower Upper
56 100
69 127.3 26.8 40.2#
84 122.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.367 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 65 Resp: 304105
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

IBLK

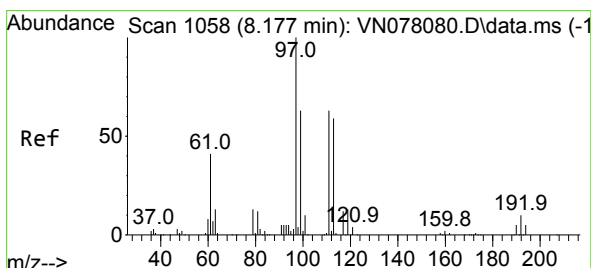
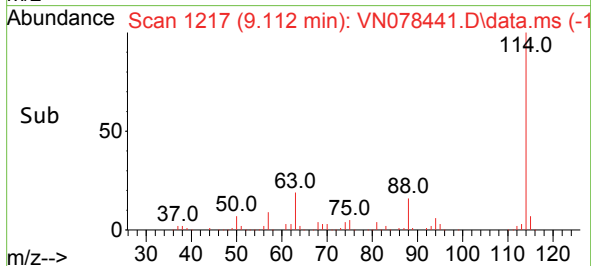
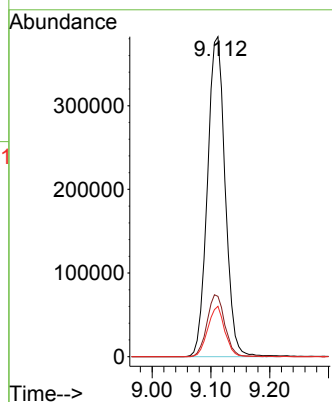
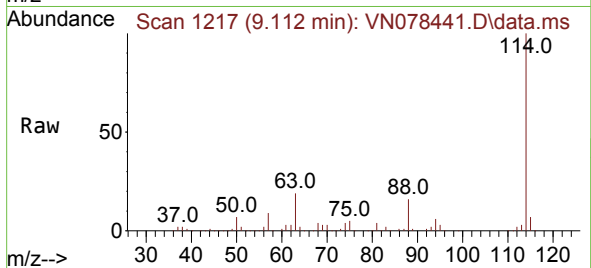
Tgt Ion:114 Resp: 799684

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.817 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

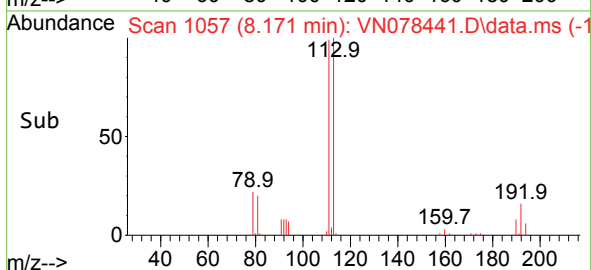
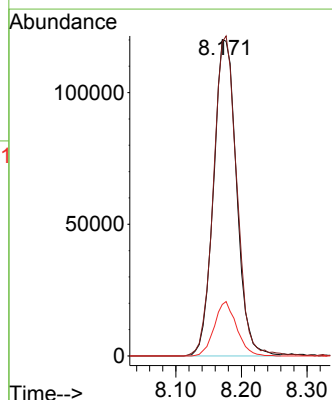
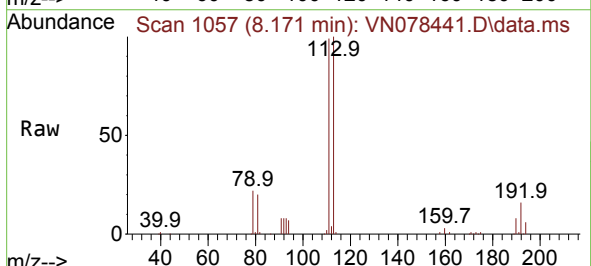
Tgt Ion:113 Resp: 292342

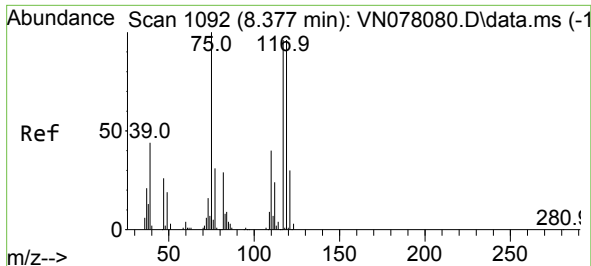
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 16.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

IBLK

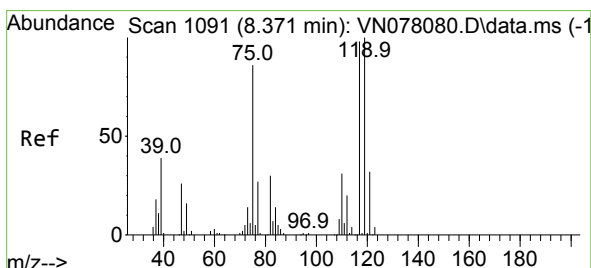
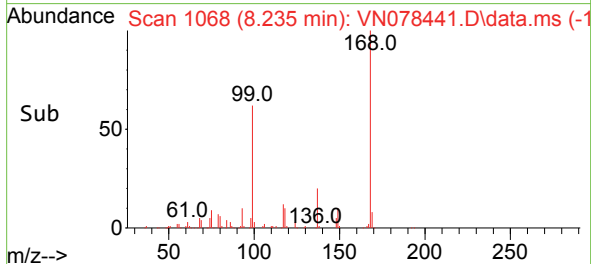
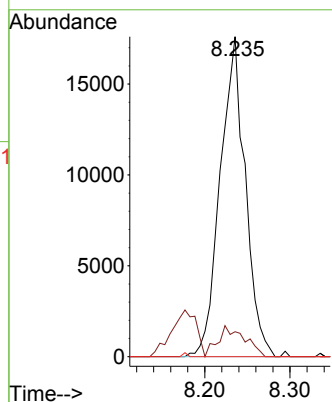
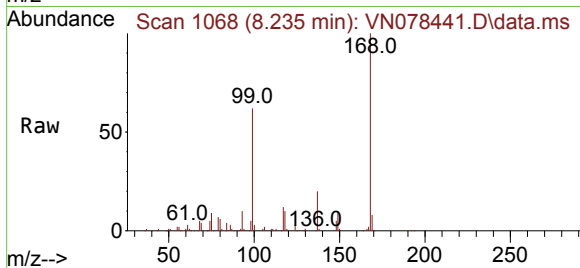
Tgt Ion: 75 Resp: 36015

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.303 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

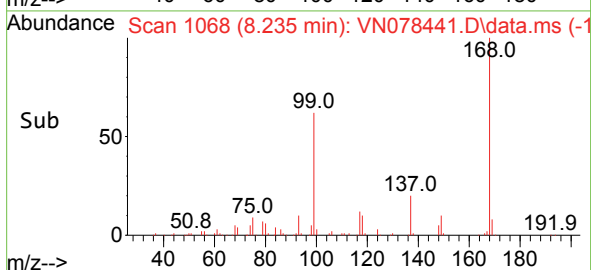
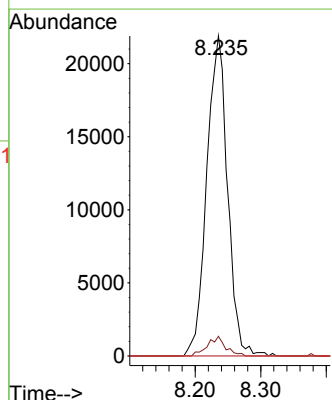
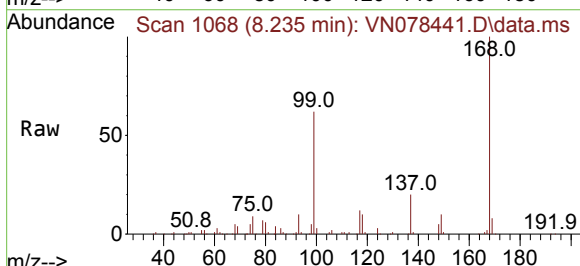
Tgt Ion: 117 Resp: 48271

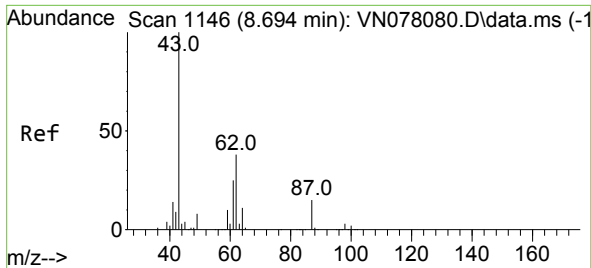
Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#

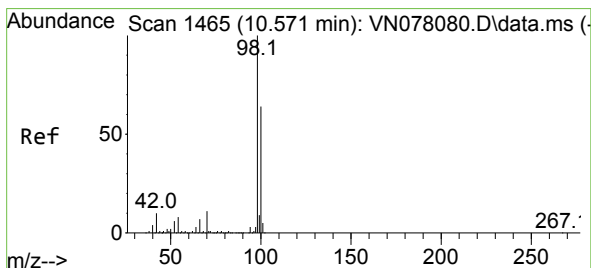
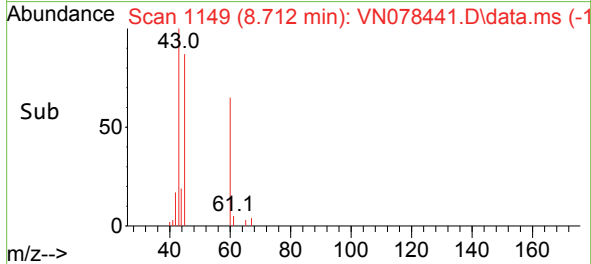
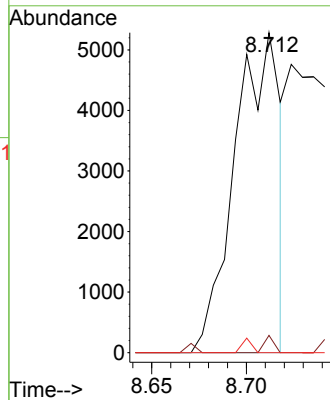
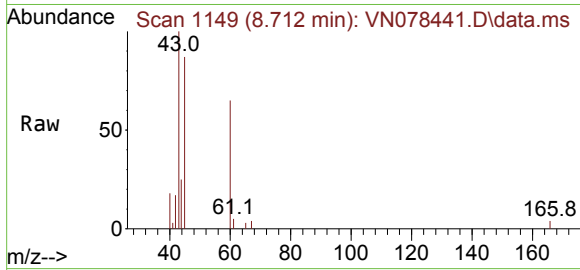




#43
Isopropyl Acetate
Concen: 0.808 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

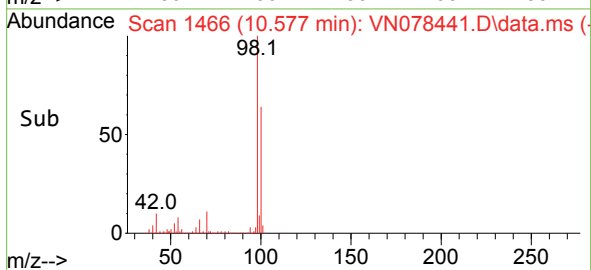
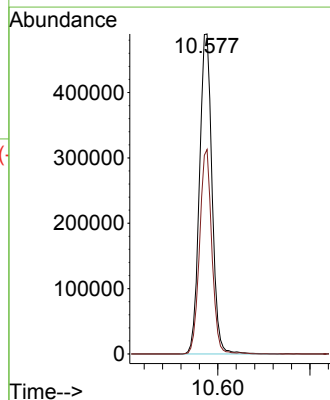
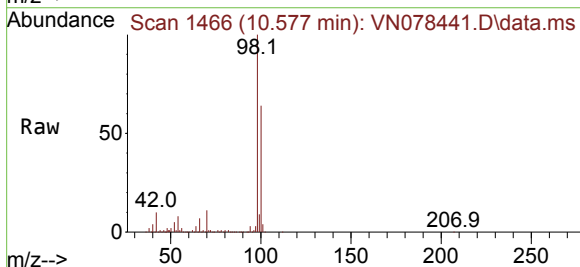
Instrument :
MSVOA_N
ClientSampleId :
IBLK

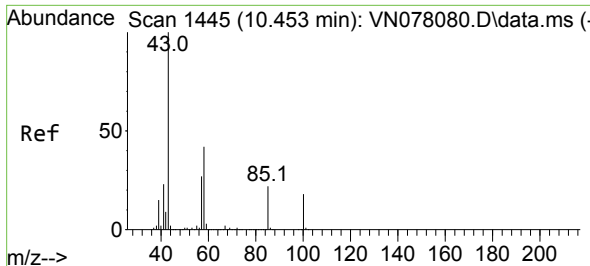
Tgt Ion: 43 Resp: 8756
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 1.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.708 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 98 Resp: 929959
Ion Ratio Lower Upper
98 100
100 62.2 52.0 78.0

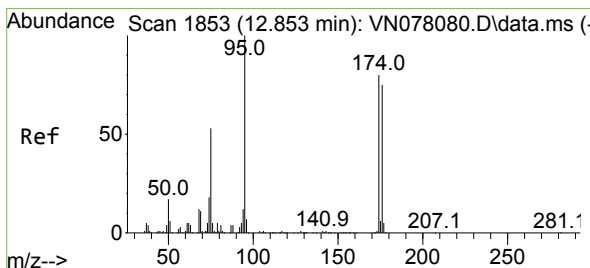
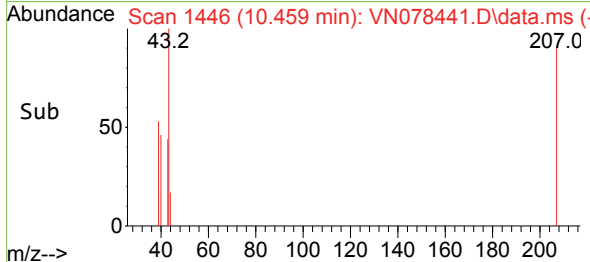
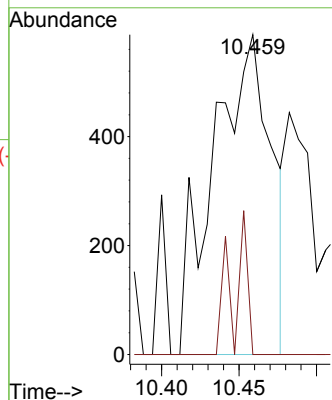
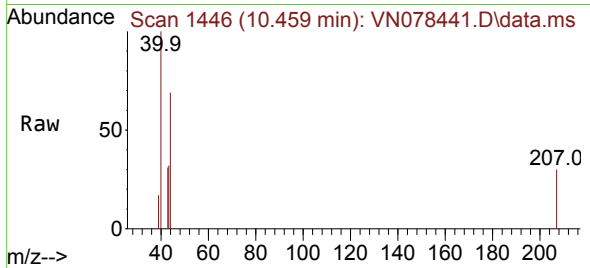




#51
4-Methyl-2-Pentanone
Concen: 0.267 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

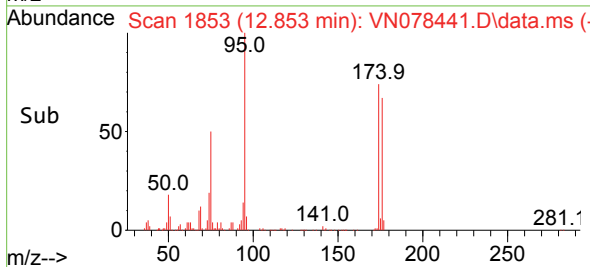
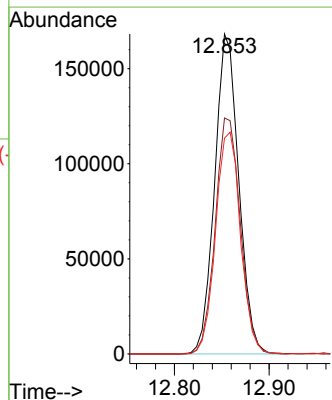
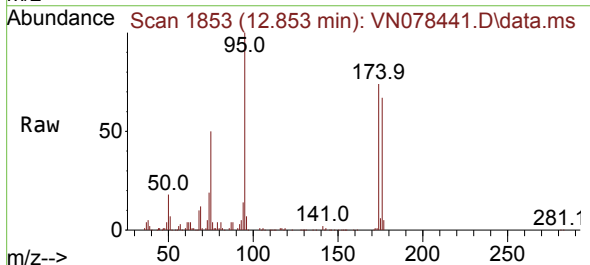
Instrument :
MSVOA_N
ClientSampleId :
IBLK

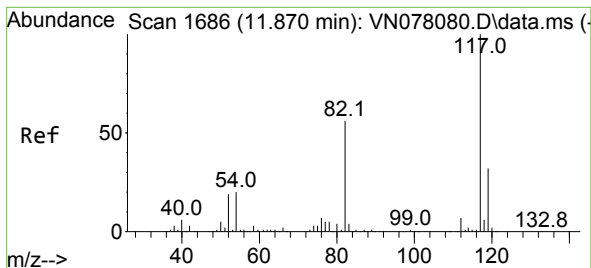
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 49.034 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 95 Resp: 297135
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 71.8 0.0 135.8

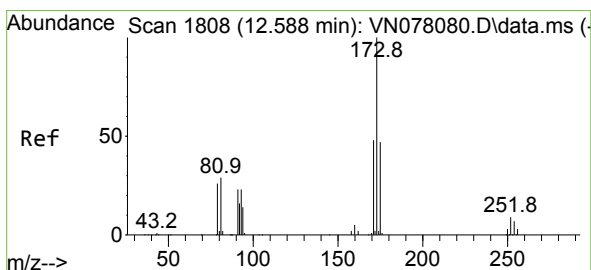
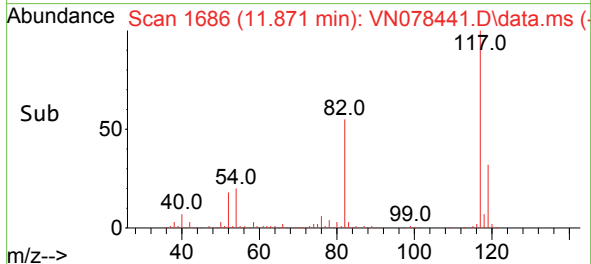
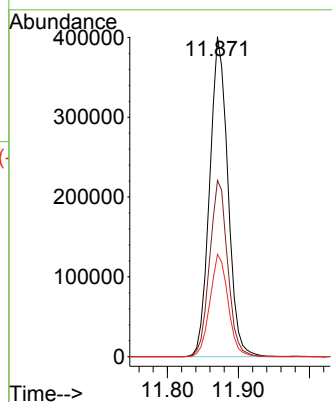
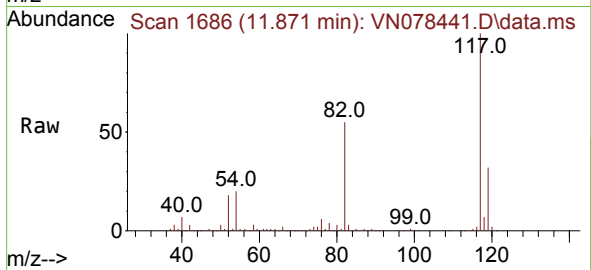




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

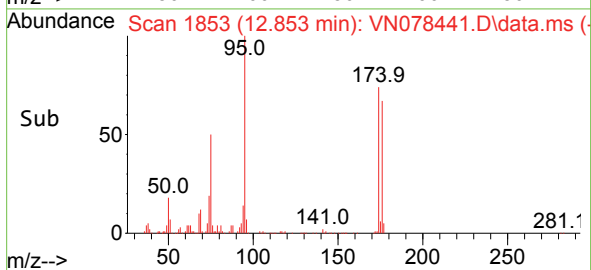
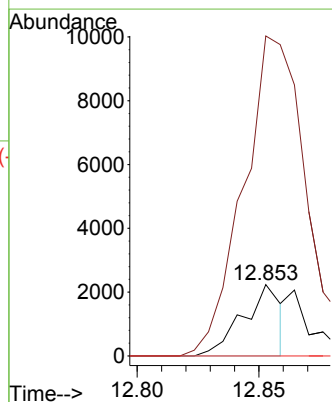
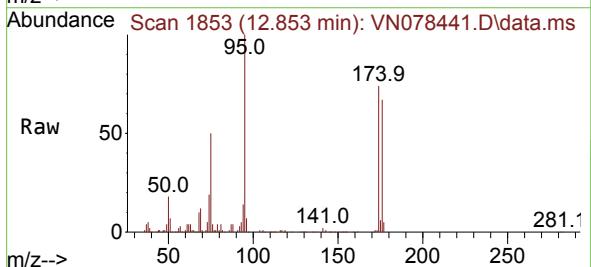
Instrument :
MSVOA_N
ClientSampleId :
IBLK

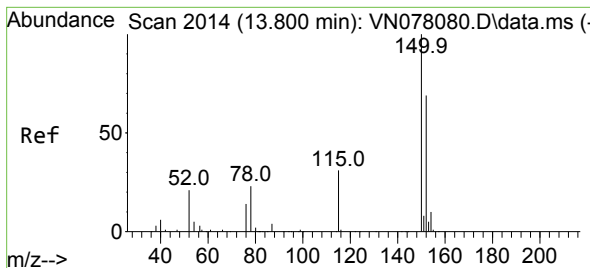
Tgt Ion:117 Resp: 713356
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.675 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion:173 Resp: 2446
Ion Ratio Lower Upper
173 100
175 607.6 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: VN078441.D

Acq: 28 Jun 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

IBLK

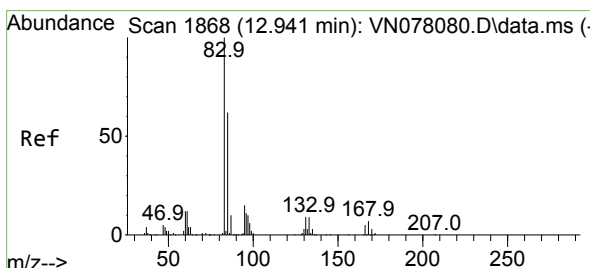
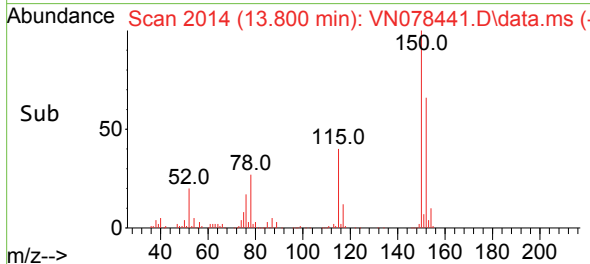
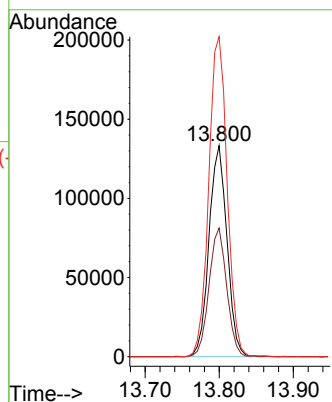
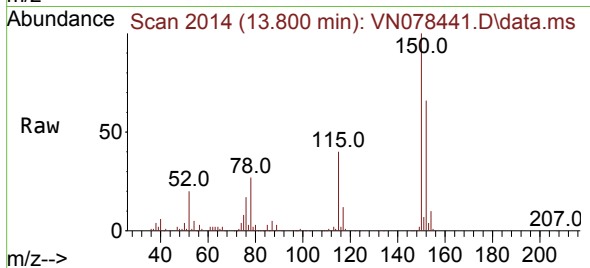
Tgt Ion:152 Resp: 225012

Ion Ratio Lower Upper

152 100

115 59.9 32.3 96.8

150 154.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

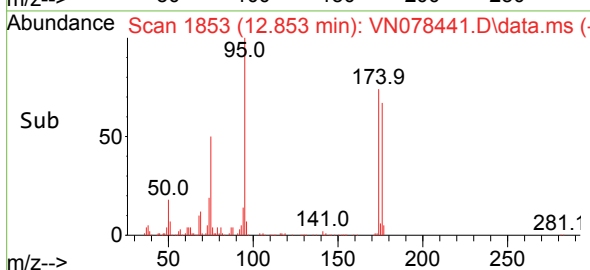
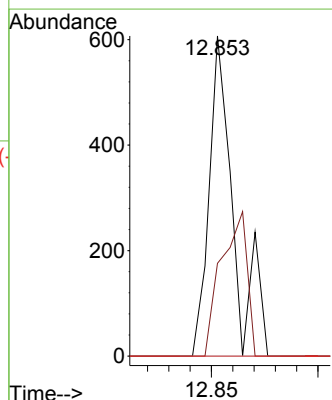
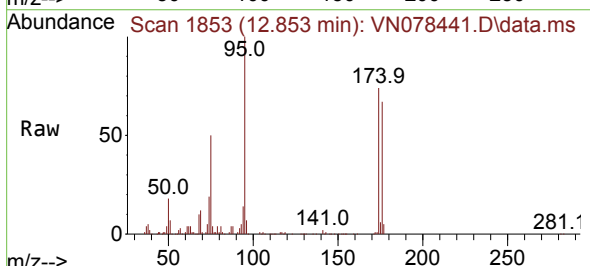
Tgt Ion: 83 Resp: 481

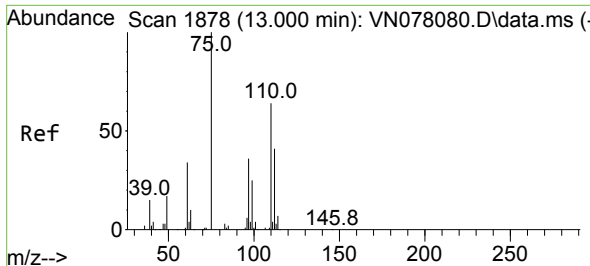
Ion Ratio Lower Upper

83 100

131 48.2 5.0 15.0#

85 0.0 31.9 95.7#

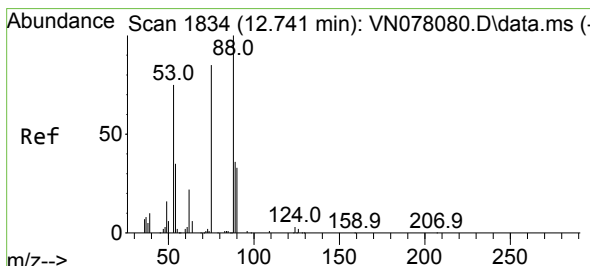
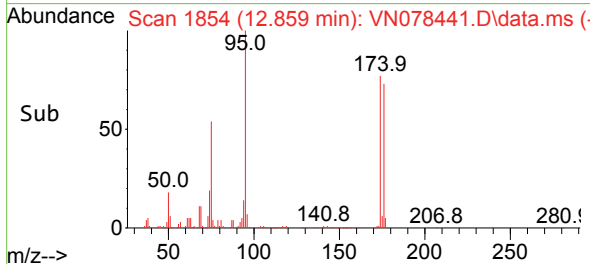
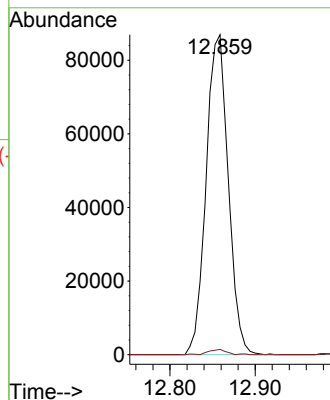
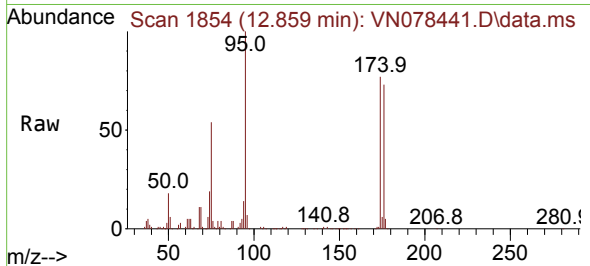




#76
1,2,3-Trichloropropane
Concen: 29.471 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 156768
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.545 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078441.D
Acq: 28 Jun 2023 15:06

Tgt Ion: 75 Resp: 156768
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

