

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078135.D
 Acq On : 09 Jun 2023 10:26
 Operator : JC\MD
 Sample : VN0609WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBL01

Quant Time: Jun 09 23:03:49 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)

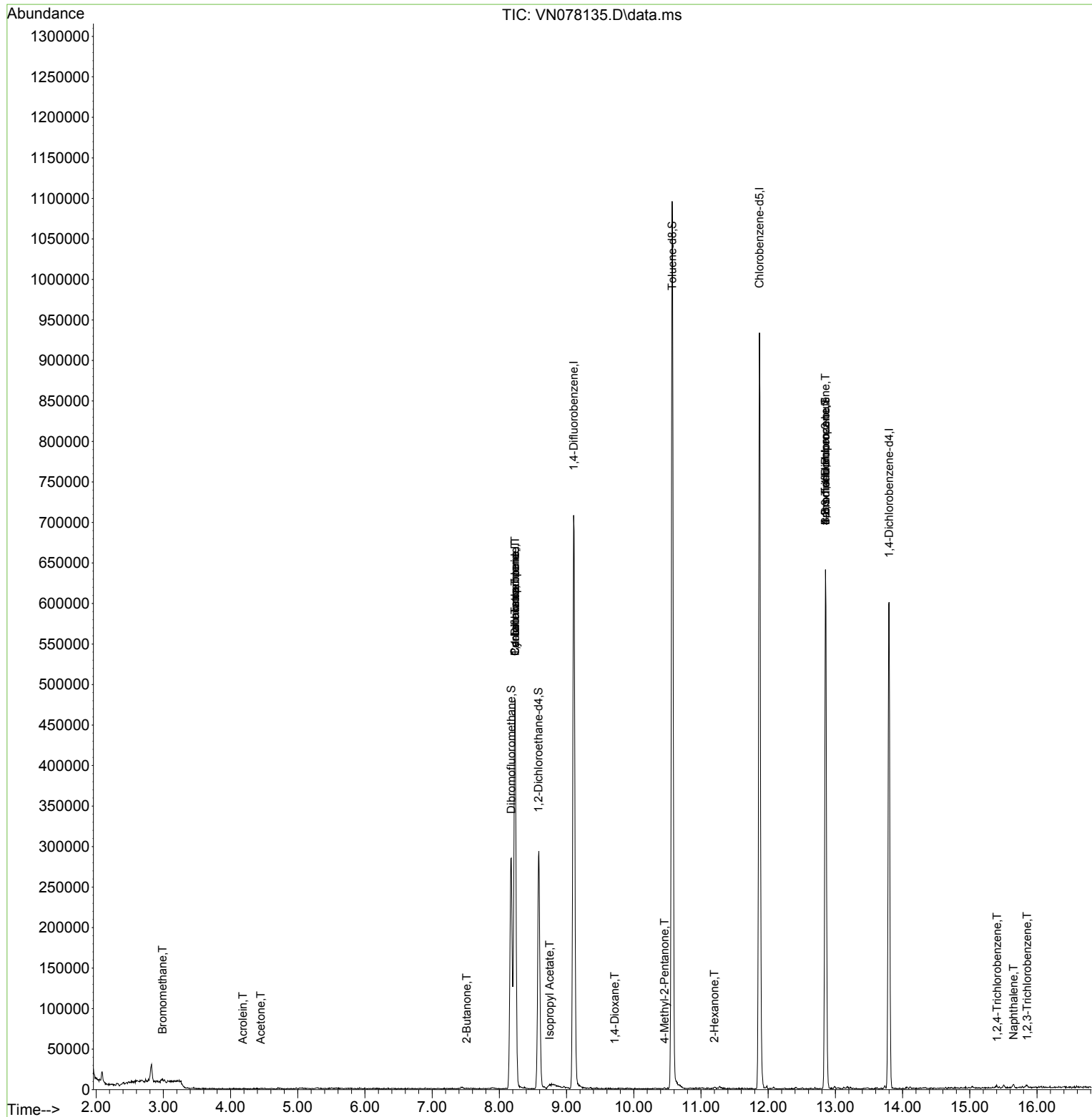
Internal Standards						
1) Pentafluorobenzene	8.236	168	351936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	637022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	163389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240932	51.345	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.700%	
35) Dibromofluoromethane	8.177	113	208007	51.643	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.280%	
50) Toluene-d8	10.571	98	790722	50.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.853	95	230074	47.662	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1274	Below Cal		91
5) Bromomethane	2.989	94	2699	0.686	ug/l	85
13) Acrolein	4.183	56	261	0.365	ug/l #	16
16) Acetone	4.448	43	352	0.261	ug/l #	40
25) 2-Butanone	7.512	43	595	0.286	ug/l #	37
31) Cyclohexane	8.236	56	8779	1.458	ug/l #	41
36) 1,1-Dichloropropene	8.236	75	29479	5.102	ug/l #	49
38) Carbon Tetrachloride	8.236	117	38442	6.302	ug/l #	15
43) Isopropyl Acetate	8.747	43	2509	0.291	ug/l #	49
49) 1,4-Dioxane	9.718	88	64	0.841	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	1023	0.225	ug/l #	31
59) 2-Hexanone	11.200	43	986	0.312	ug/l	90
71) Bromoform	12.853	173	1888	0.668	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	383	Below Cal	#	44
76) 1,2,3-Trichloropropane	12.853	75	123469	31.965	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	123469	98.208	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	1075	0.509	ug/l #	86
94) Hexachlorobutadiene	15.500	225	824	Below Cal		76
95) Naphthalene	15.653	128	3987	0.561	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.853	180	1281	0.542	ug/l #	37

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN078135.D

Acq: 09 Jun 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

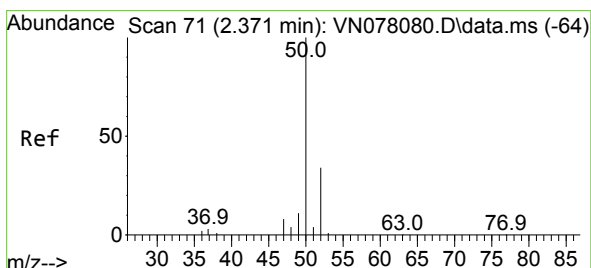
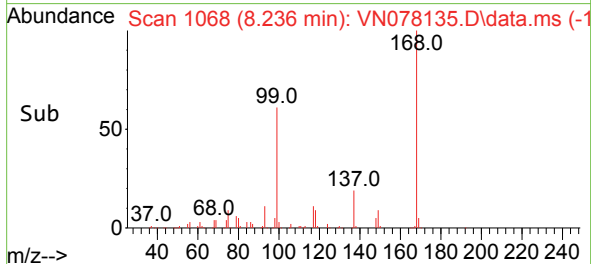
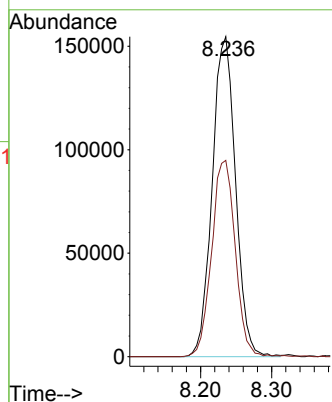
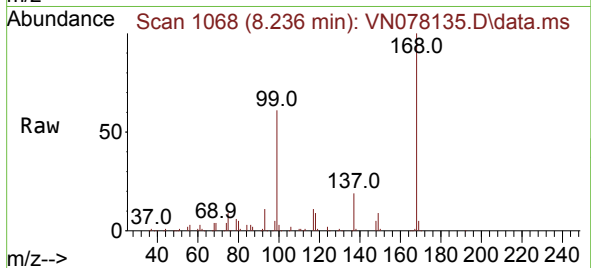
VN0609WBL01

Tgt Ion:168 Resp: 351936

Ion Ratio Lower Upper

168 100

99 61.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078135.D

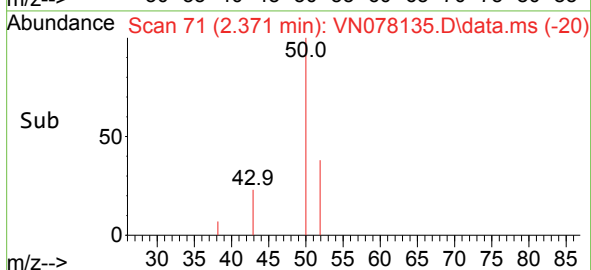
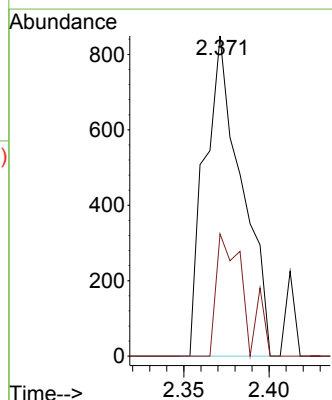
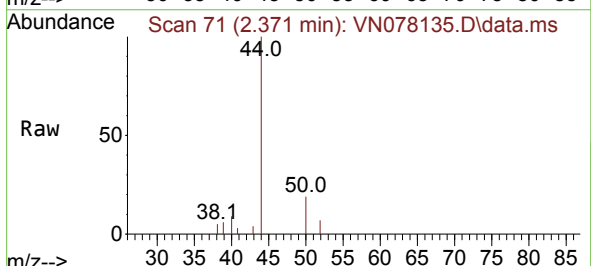
Acq: 09 Jun 2023 10:26

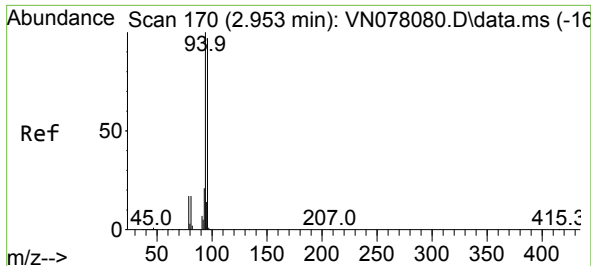
Tgt Ion: 50 Resp: 1274

Ion Ratio Lower Upper

50 100

52 38.2 26.5 39.7

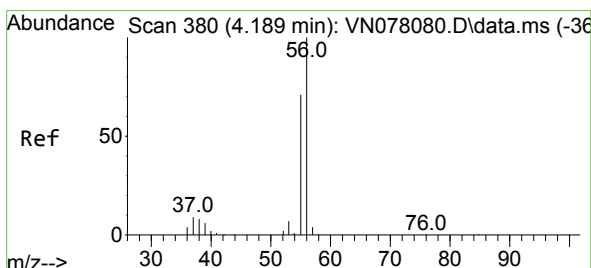
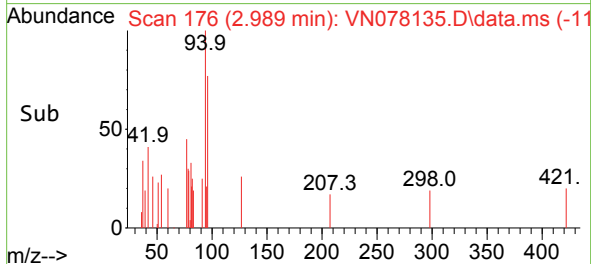
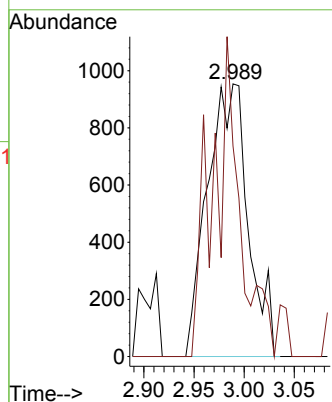
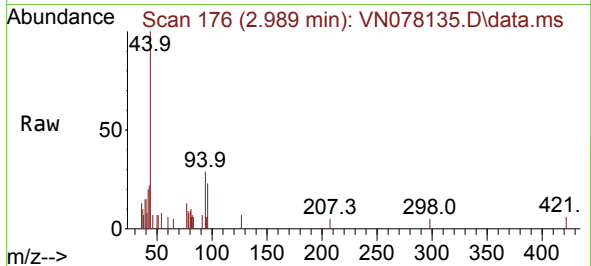




#5
Bromomethane
Concen: 0.686 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

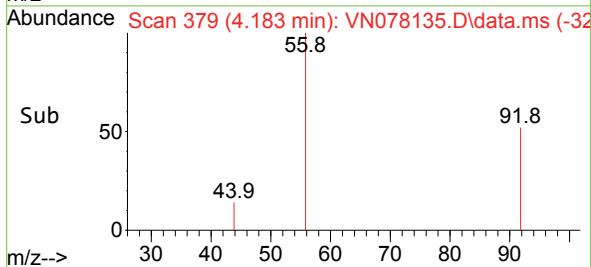
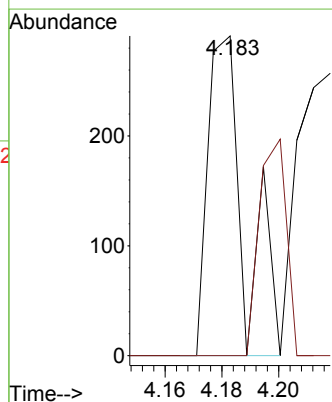
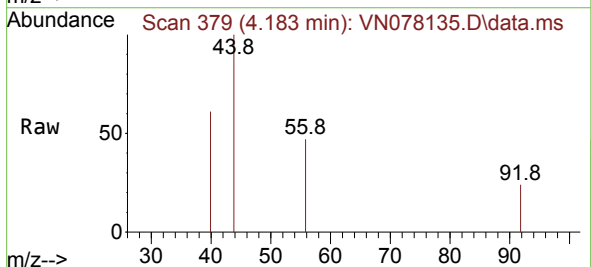
Instrument :
MSVOA_N
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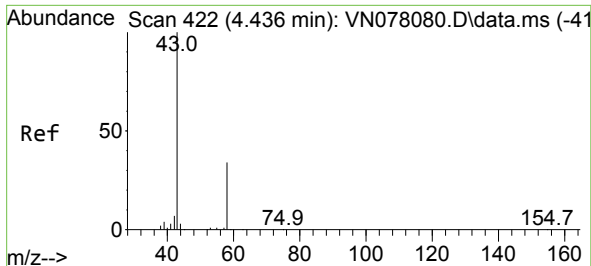
Tgt Ion: 94 Resp: 2699
Ion Ratio Lower Upper
94 100
96 77.3 73.1 109.7



#13
Acrolein
Concen: 0.365 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

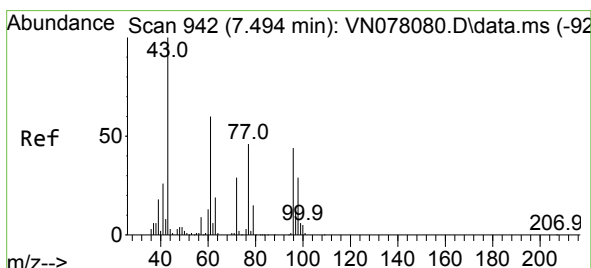
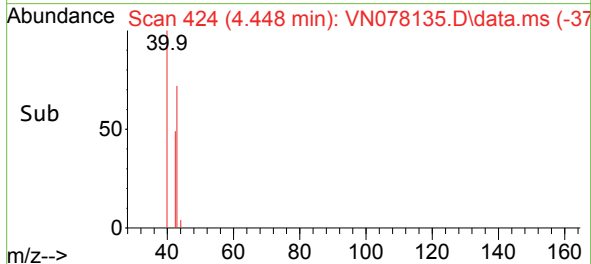
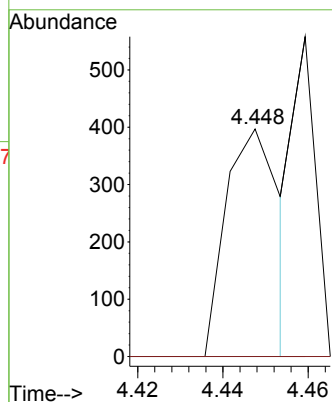
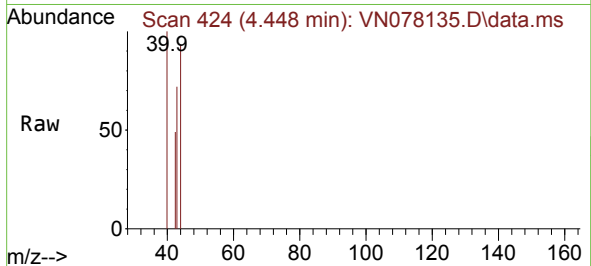




#16
Acetone
Concen: 0.261 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

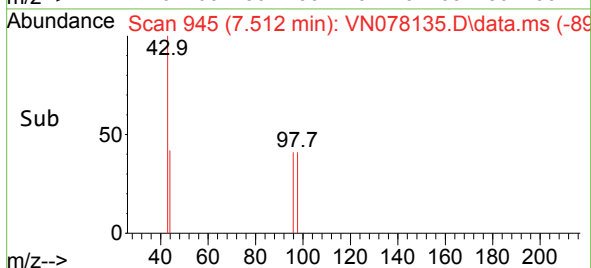
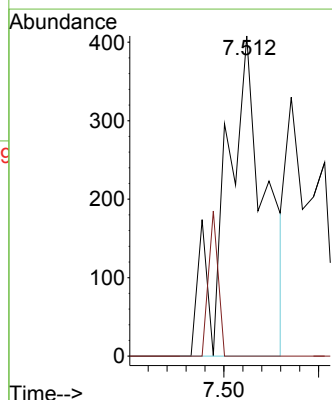
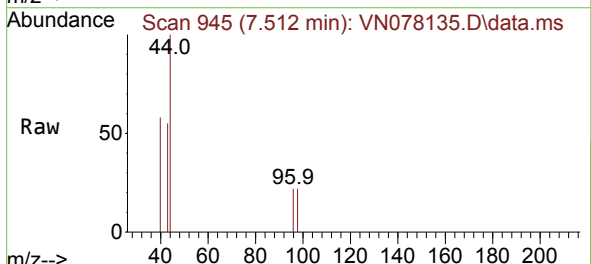
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

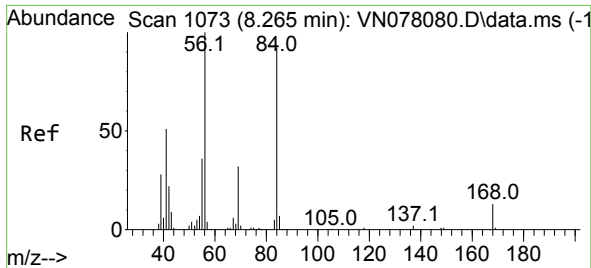
Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#25
2-Butanone
Concen: 0.286 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

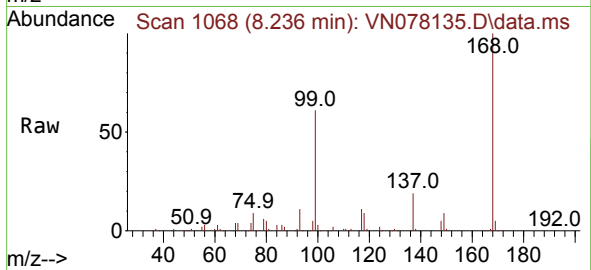
Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



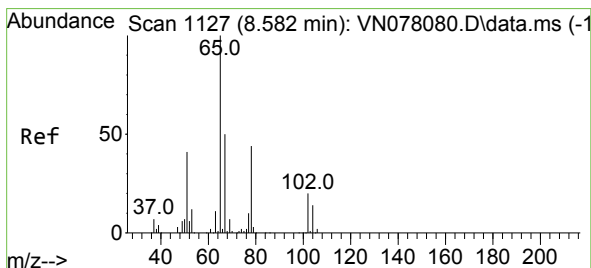
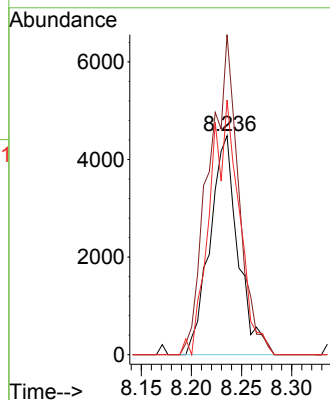
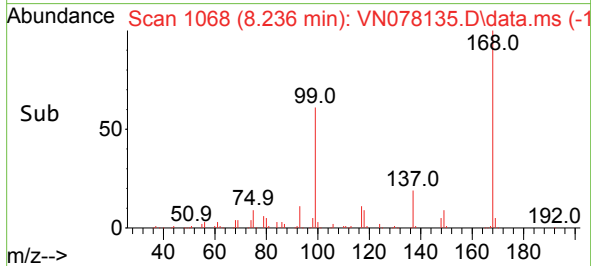


#31
Cyclohexane
Concen: 1.458 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

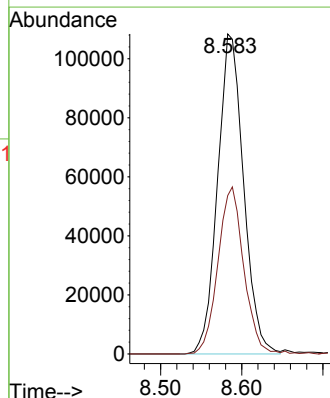
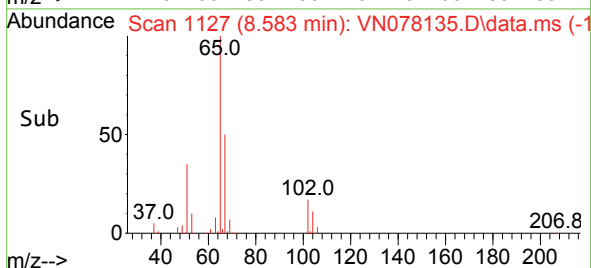
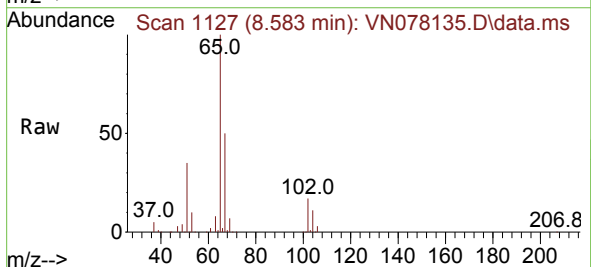


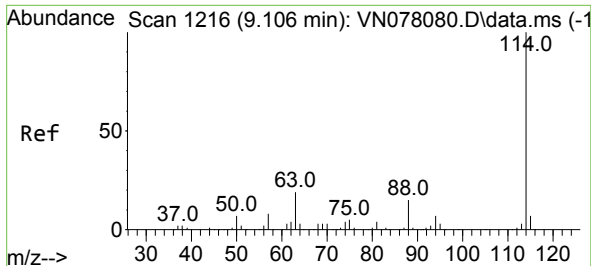
Tgt Ion: 56 Resp: 8779
Ion Ratio Lower Upper
56 100
69 146.2 26.8 40.2#
84 116.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.345 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 65 Resp: 240932
Ion Ratio Lower Upper
65 100
67 52.1 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: VN078135.D

Acq: 09 Jun 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

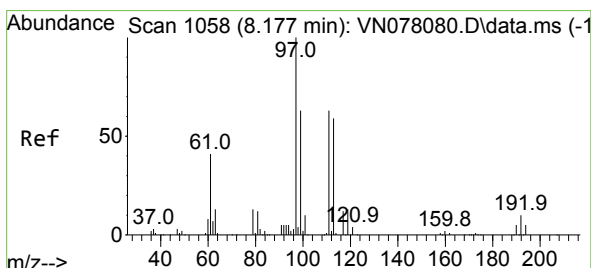
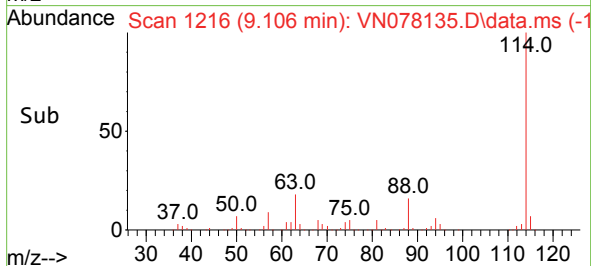
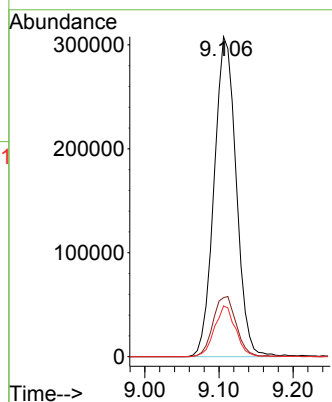
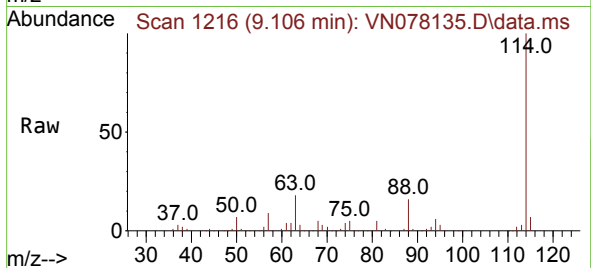
Tgt Ion:114 Resp: 637022

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.643 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078135.D

Acq: 09 Jun 2023 10:26

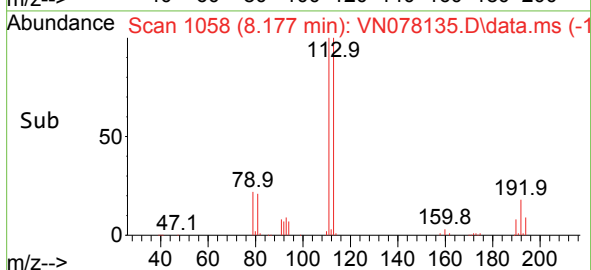
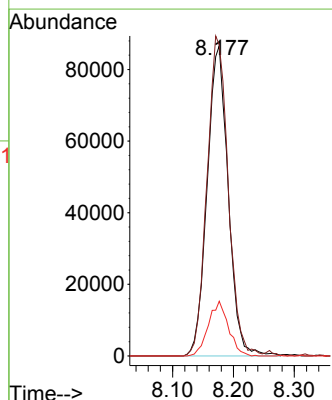
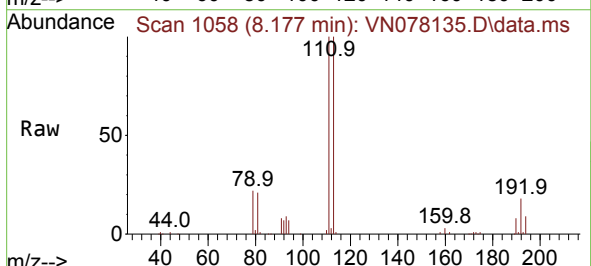
Tgt Ion:113 Resp: 208007

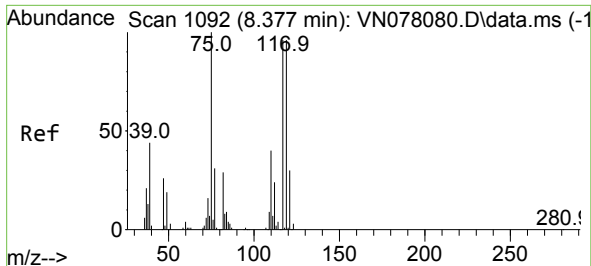
Ion Ratio Lower Upper

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111 103.8 82.6 123.8

192 16.9 12.7 19.1

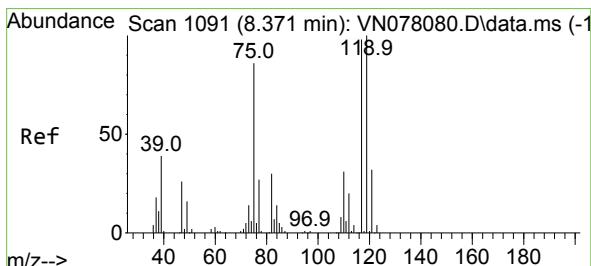
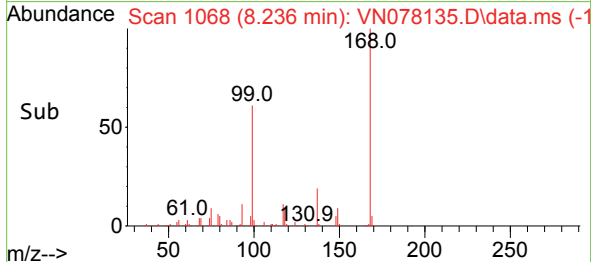
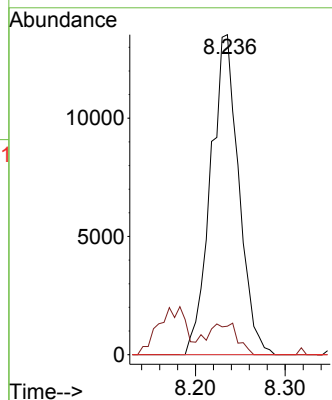
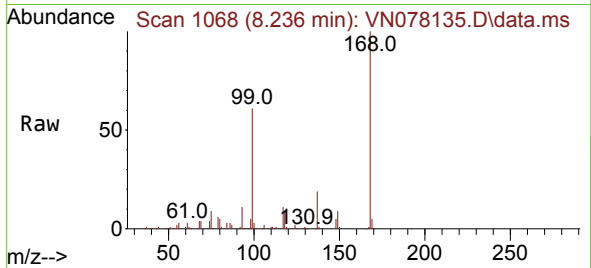




#36
1,1-Dichloropropene
Concen: 5.102 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

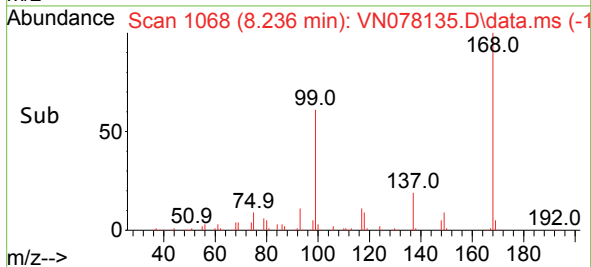
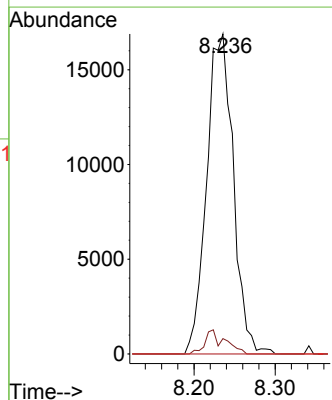
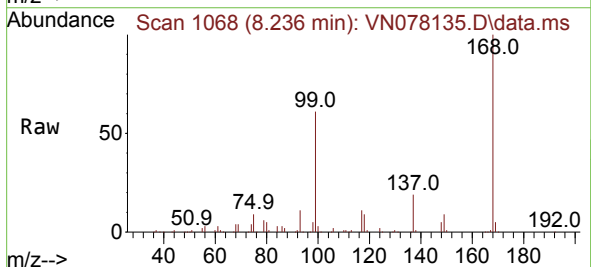
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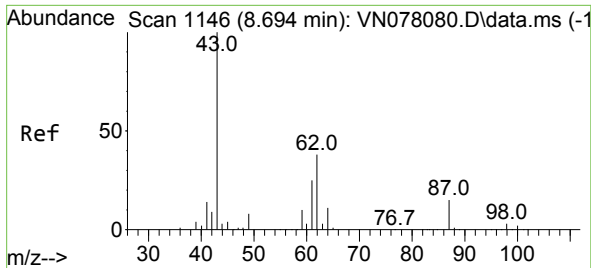
Tgt Ion: 75 Resp: 29479
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 117 Resp: 38442
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#

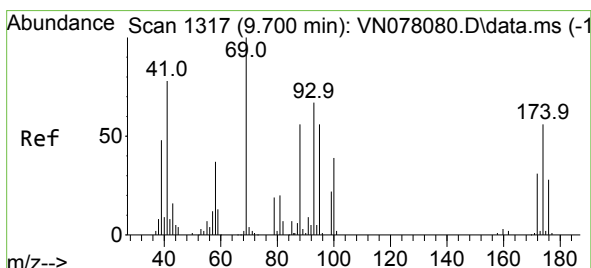
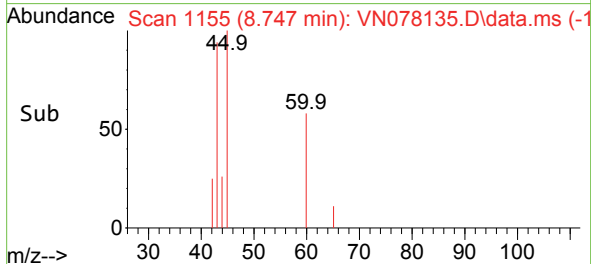
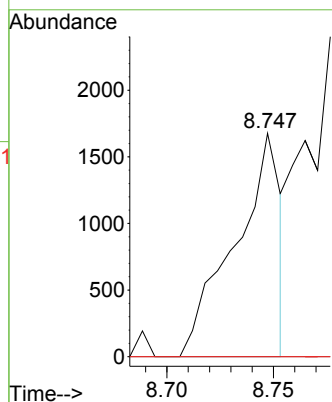
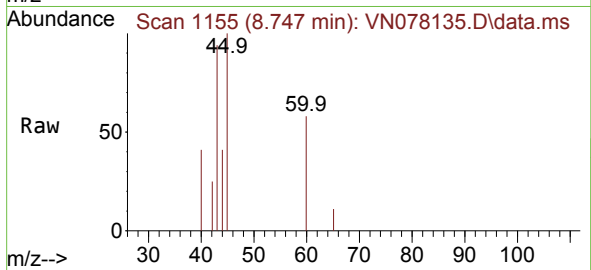




#43
Isopropyl Acetate
Concen: 0.291 ug/l
RT: 8.747 min Scan# 1146
Delta R.T. 0.053 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

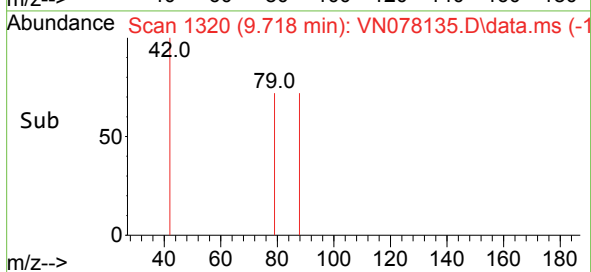
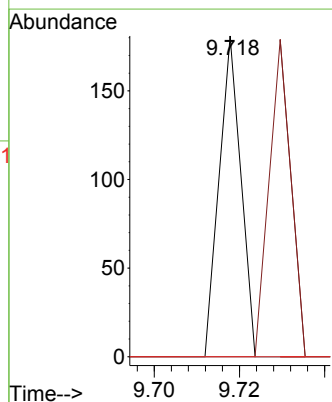
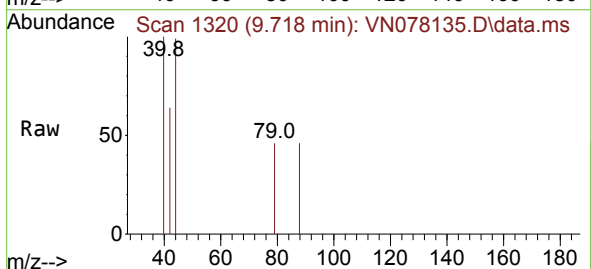
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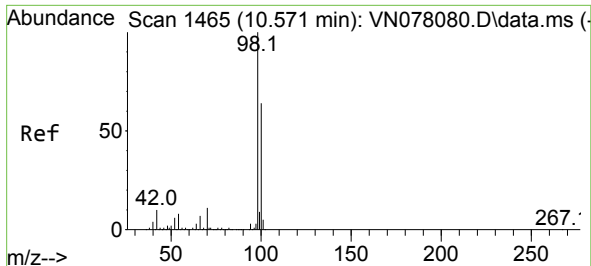
Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#49
1,4-Dioxane
Concen: 0.841 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 98.4 17.0 25.6#
58 0.0 47.0 70.4#

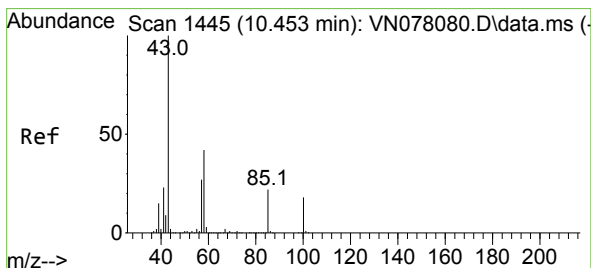
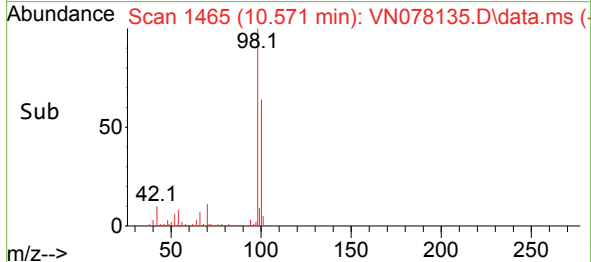
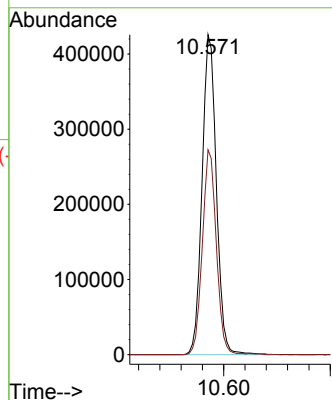
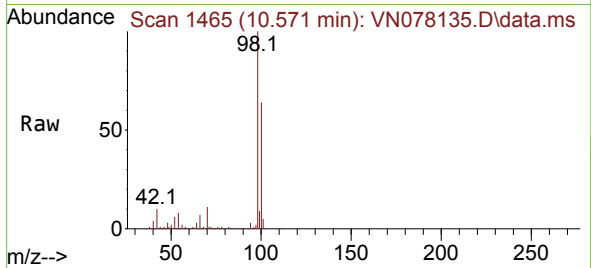




#50
Toluene-d8
Concen: 50.924 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

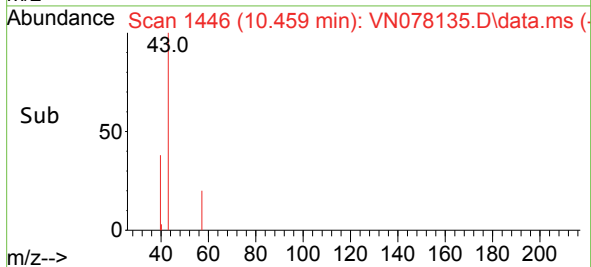
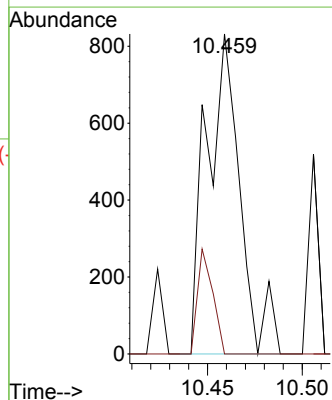
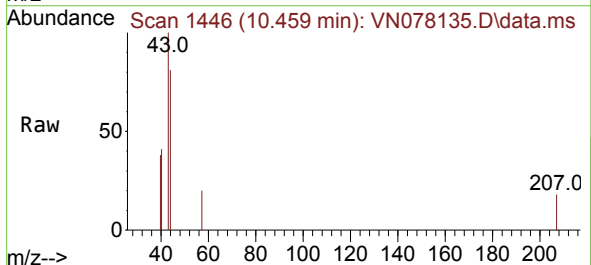
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

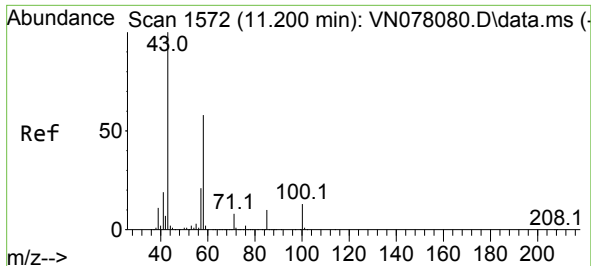
Tgt Ion: 98 Resp: 790722
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

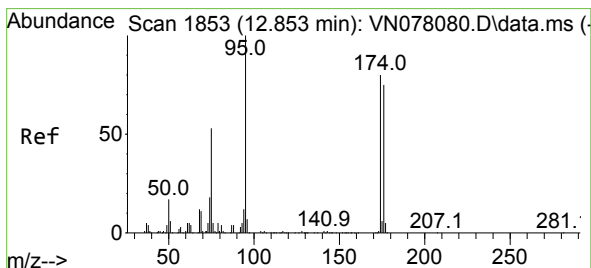
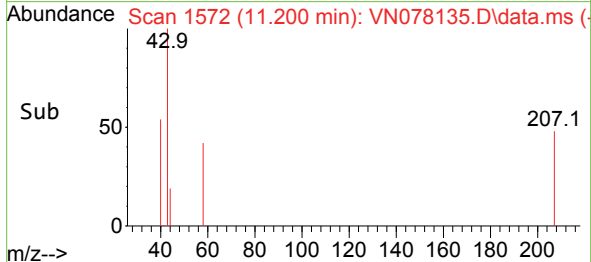
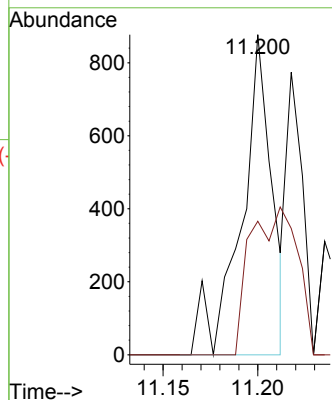
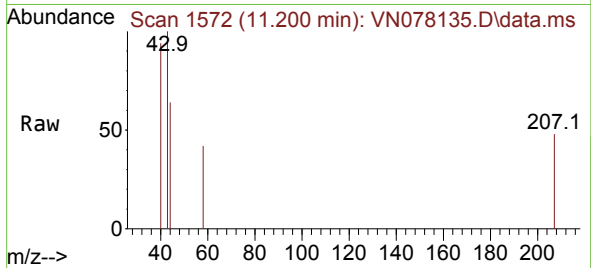




#59
2-Hexanone
Concen: 0.312 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

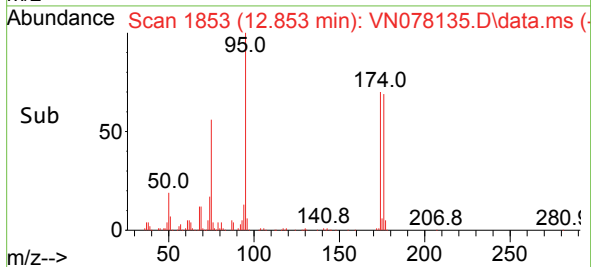
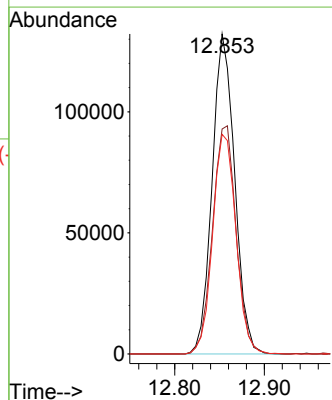
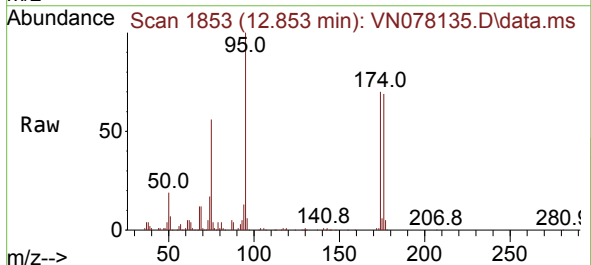
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

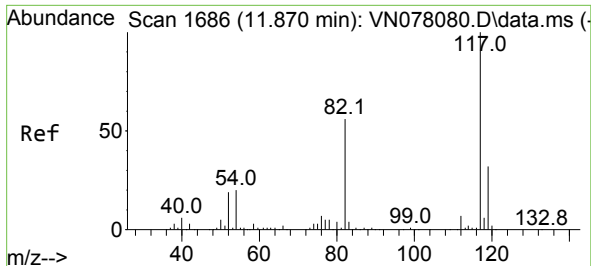
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
58 70.9 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 47.662 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 95 Resp: 230074
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 71.3 0.0 135.8

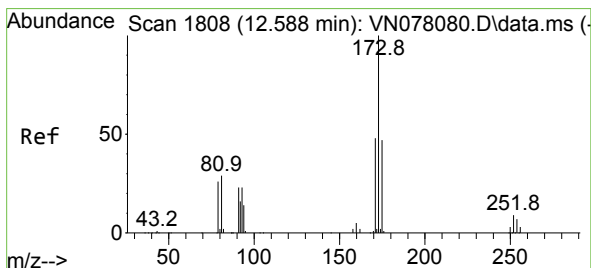
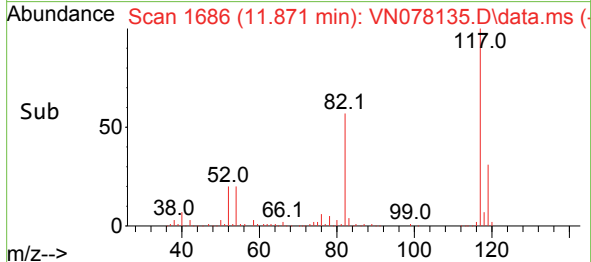
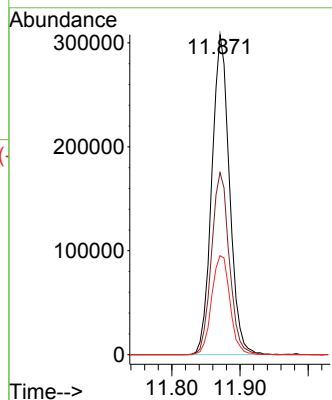
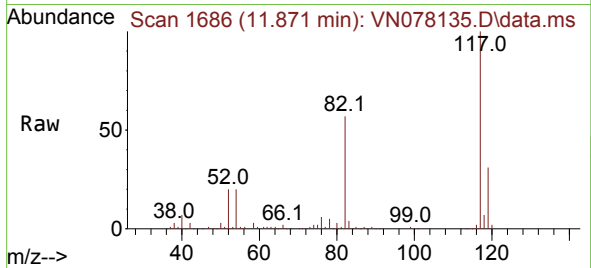




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

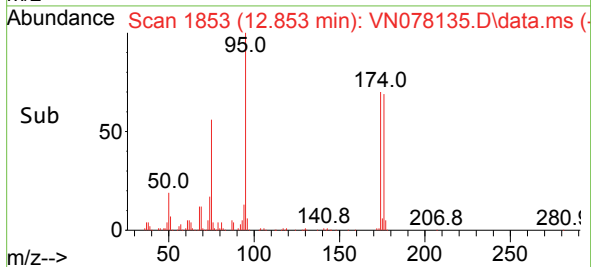
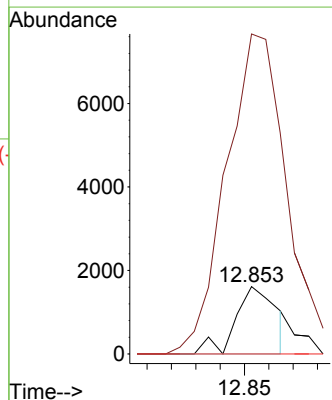
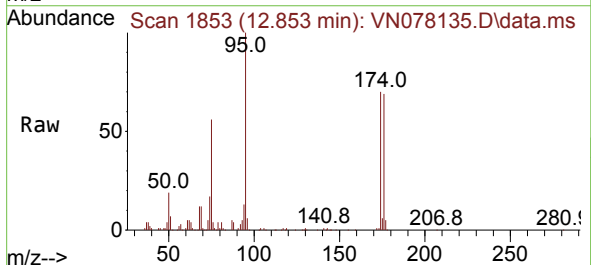
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

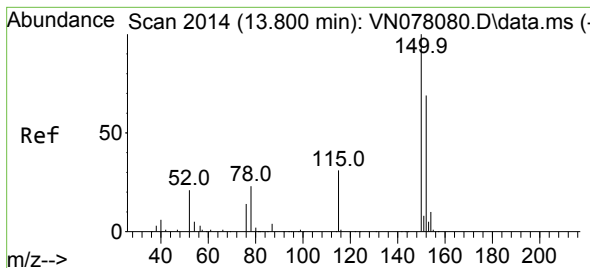
Tgt Ion:117 Resp: 556059
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 31.0 25.6 38.4



#71
Bromoform
Concen: 0.668 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion:173 Resp: 1888
Ion Ratio Lower Upper
173 100
175 608.5 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: VN078135.D

Acq: 09 Jun 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

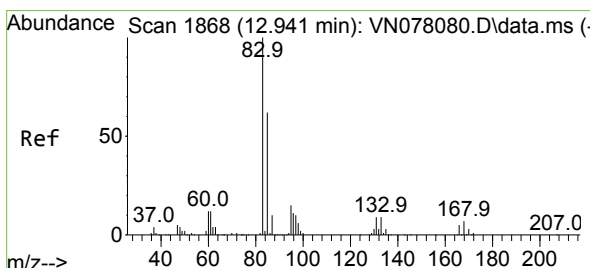
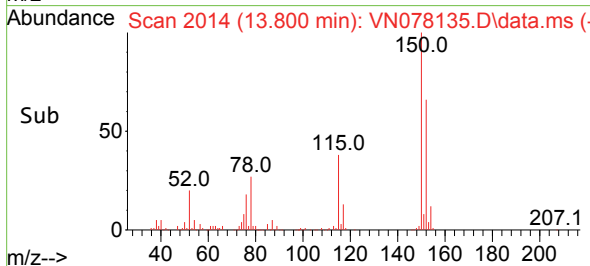
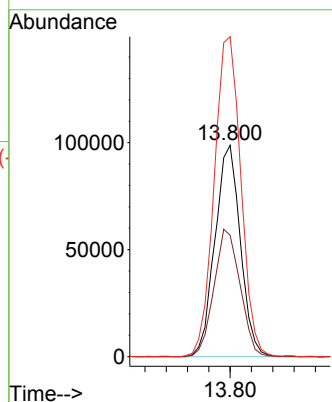
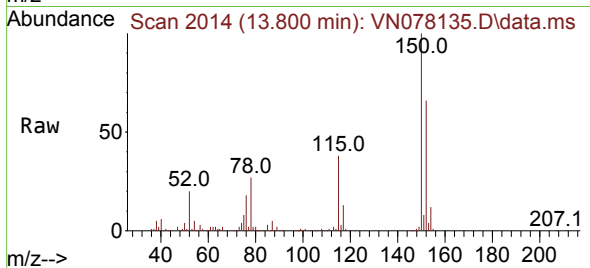
Tgt Ion:152 Resp: 163389

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 158.9 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078135.D

Acq: 09 Jun 2023 10:26

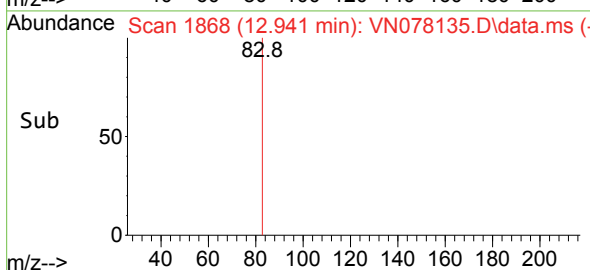
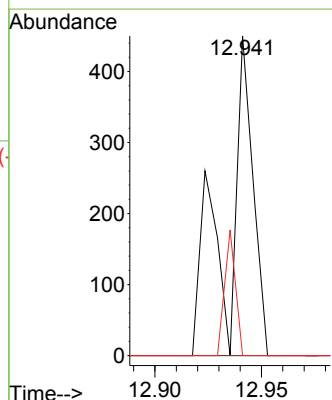
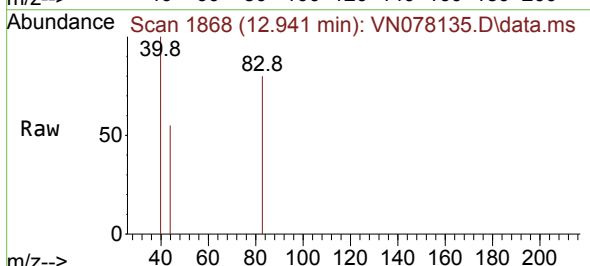
Tgt Ion: 83 Resp: 383

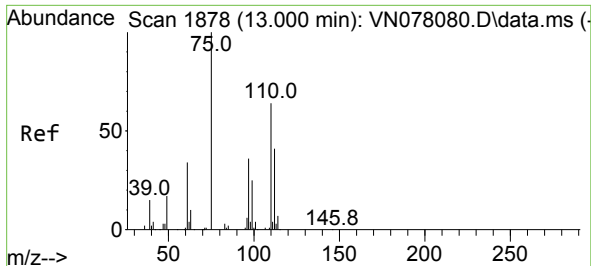
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 16.2 31.9 95.7#

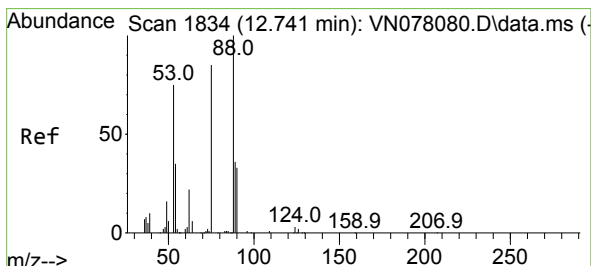
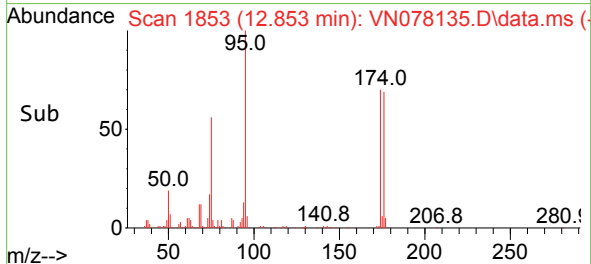
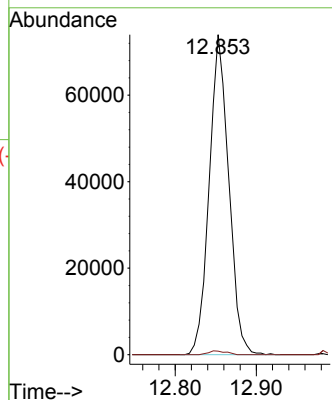
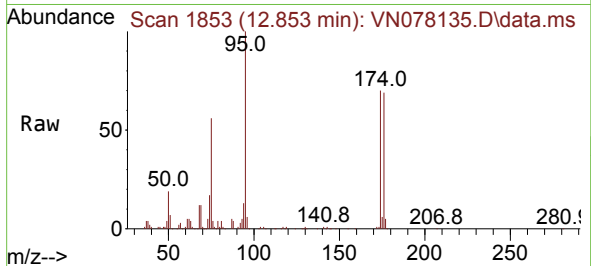




#76
1,2,3-Trichloropropane
Concen: 31.965 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

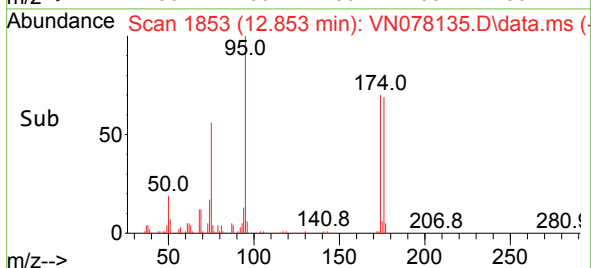
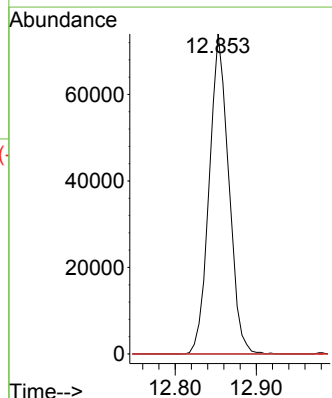
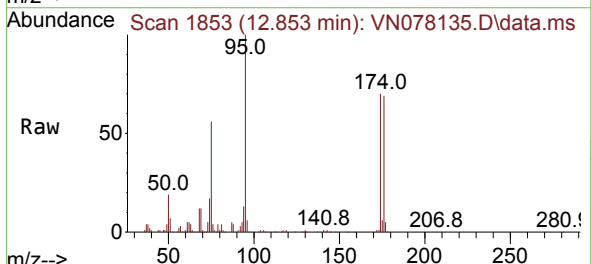
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

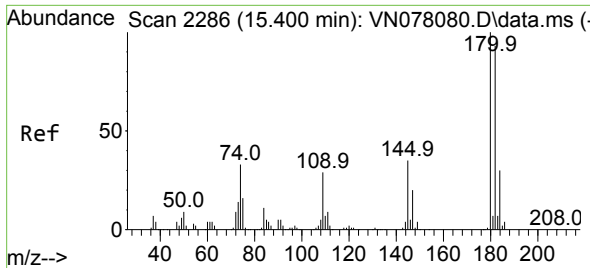
Tgt Ion: 75 Resp: 123469
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.208 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078135.D
Acq: 09 Jun 2023 10:26

Tgt Ion: 75 Resp: 123469
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

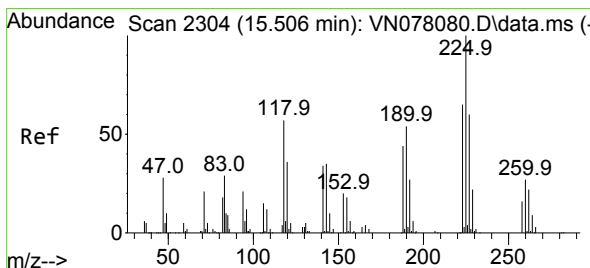
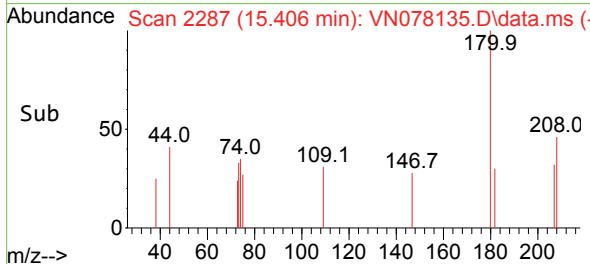
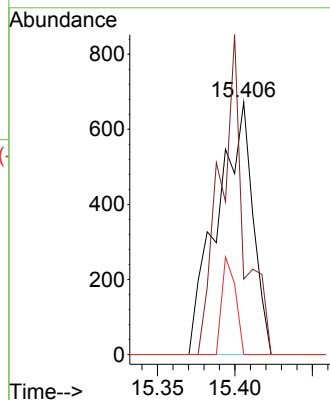
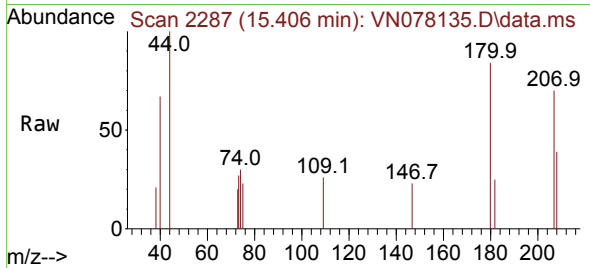




#93
 1,2,4-Trichlorobenzene
 Concen: 0.509 ug/l
 RT: 15.406 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN078135.D
 Acq: 09 Jun 2023 10:26

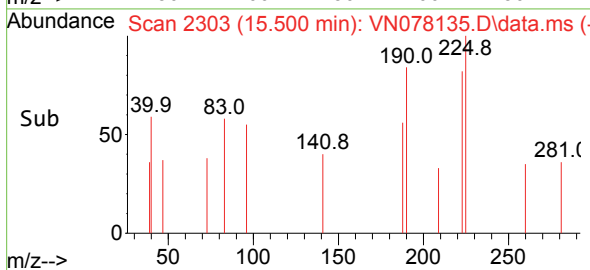
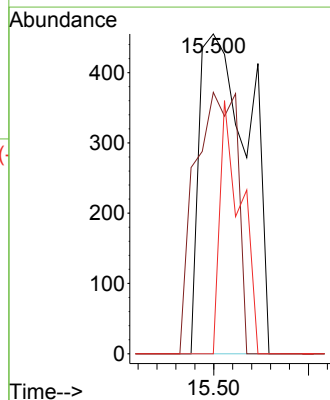
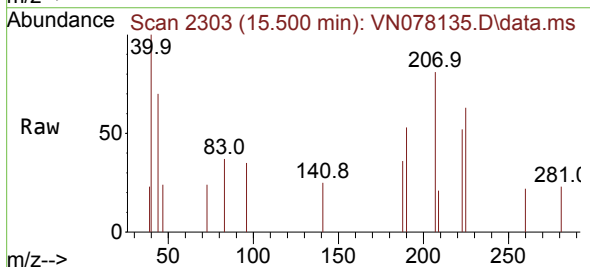
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBL01

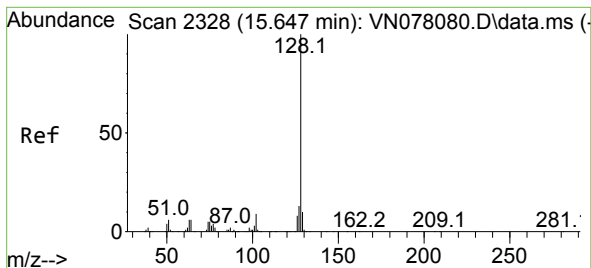
Tgt Ion:180 Resp: 1075
 Ion Ratio Lower Upper
 180 100
 182 85.0 46.1 138.2
 145 14.7 16.6 49.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: VN078135.D
 Acq: 09 Jun 2023 10:26

Tgt Ion:225 Resp: 824
 Ion Ratio Lower Upper
 225 100
 223 69.9 31.3 93.8
 227 33.7 31.9 95.9





#95

Naphthalene

Concen: 0.561 ug/l

RT: 15.653 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN078135.D

Acq: 09 Jun 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

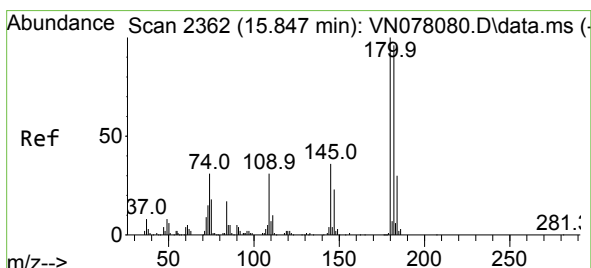
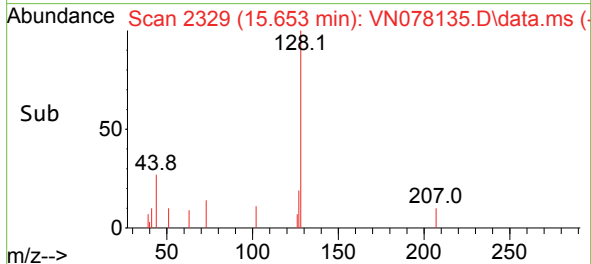
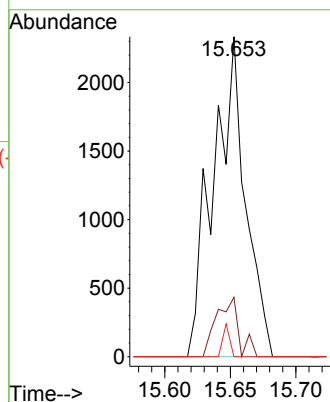
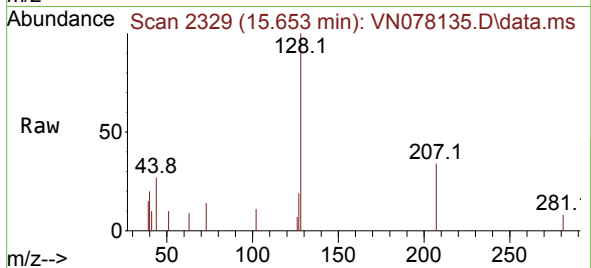
Tgt Ion:128 Resp: 3987

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 2.1 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.542 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN078135.D

Acq: 09 Jun 2023 10:26

Tgt Ion:180 Resp: 1281

Ion Ratio Lower Upper

180 100

182 31.9 46.2 138.6#

145 0.0 17.5 52.6#

