

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078835.D
 Acq On : 10 Aug 2023 14:20
 Operator : JC\MD
 Sample : PB154726ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:51:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

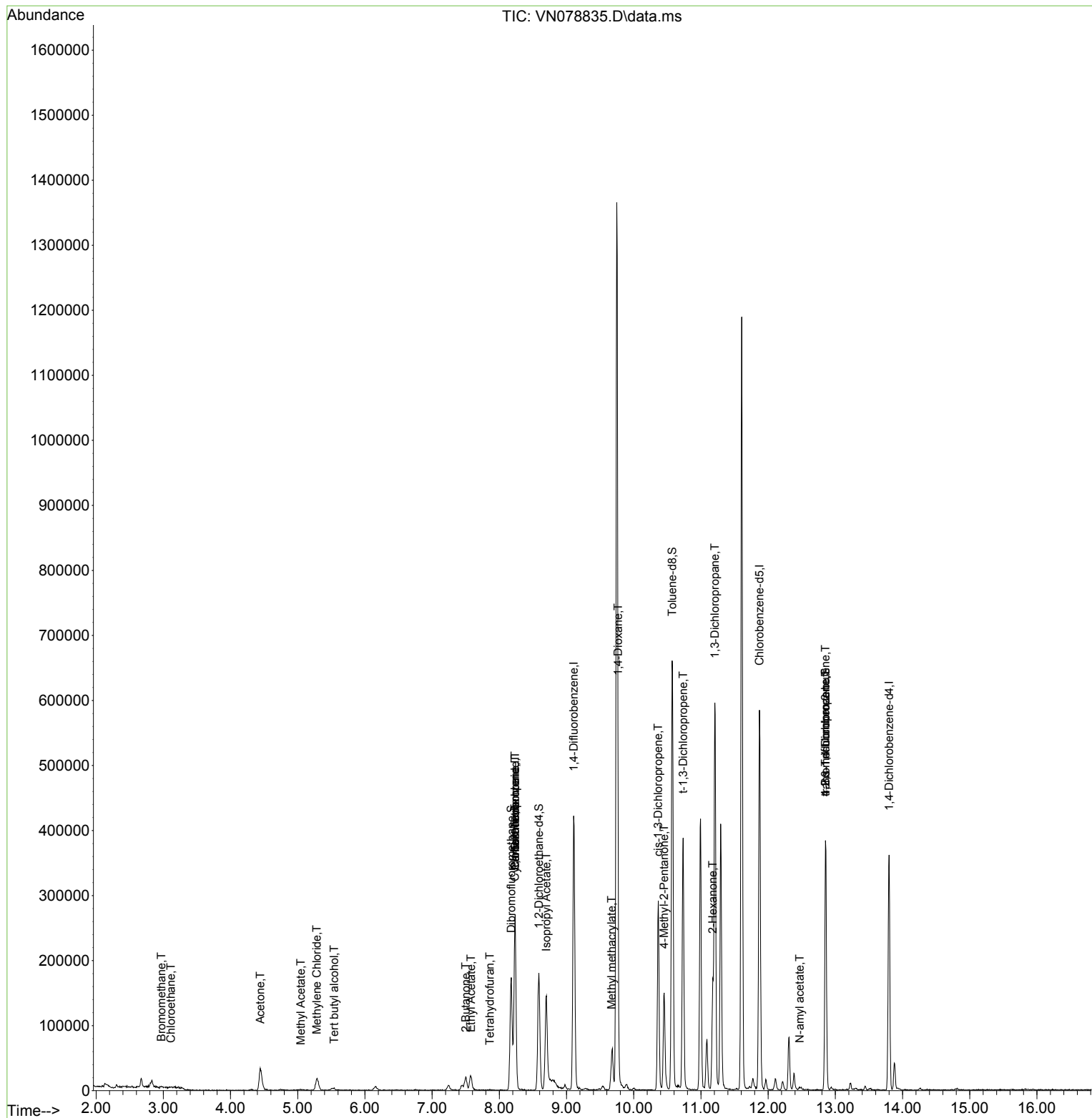
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	176372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	319739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	92461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	140783	53.245	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.480%		
35) Dibromofluoromethane	8.177	113	118048	50.971	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.940%		
50) Toluene-d8	10.571	98	440473	51.682	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.360%		
62) 4-Bromofluorobenzene	12.853	95	122340	48.031	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.060%		
Target Compounds						Qvalue
5) Bromomethane	2.971	94	421	0.207	ug/l #	4
6) Chloroethane	3.112	64	604	0.320	ug/l #	43
11) Tert butyl alcohol	5.542	59	1492	3.215	ug/l #	72
16) Acetone	4.442	43	63126	62.050	ug/l	92
18) Methyl Acetate	5.048	43	1450	0.317	ug/l #	58
20) Methylene Chloride	5.283	84	13277	5.270	ug/l #	91
25) 2-Butanone	7.500	43	32329	18.766	ug/l #	78
29) Tetrahydrofuran	7.859	42	861	0.747	ug/l #	24
31) Cyclohexane	8.230	56	5421	1.395	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	17088	4.756	ug/l #	49
37) Ethyl Acetate	7.577	43	32265	8.446	ug/l #	94
38) Carbon Tetrachloride	8.236	117	19635	5.301	ug/l #	15
43) Isopropyl Acetate	8.700	43	178692	27.744	ug/l #	75
48) Methyl methacrylate	9.671	41	5332	1.792	ug/l #	3
49) 1,4-Dioxane	9.765	88	67	1.386	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	110508	28.011	ug/l #	81
53) t-1,3-Dichloropropene	10.735	75	925	0.235	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	47233	11.025	ug/l #	70
57) 1,3-Dichloropropane	11.206	76	5718	1.247	ug/l #	42
59) 2-Hexanone	11.177	43	132739	47.518	ug/l #	19
74) N-amyl acetate	12.471	43	4278	1.036	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	70391	28.158	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	70391	75.558	ug/l #	15

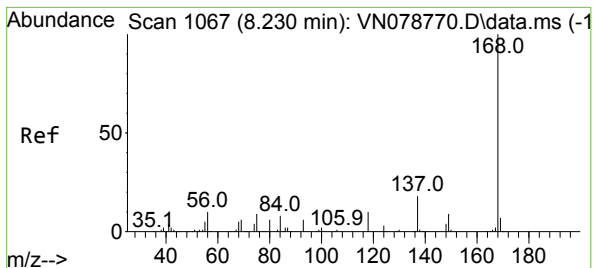
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 23:51:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 05:03:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

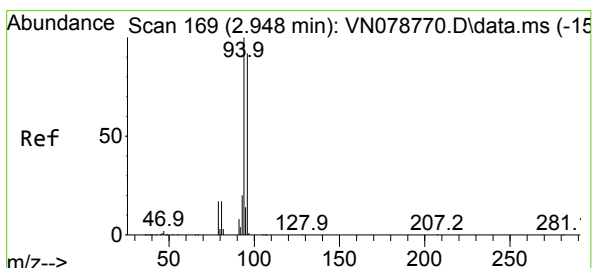
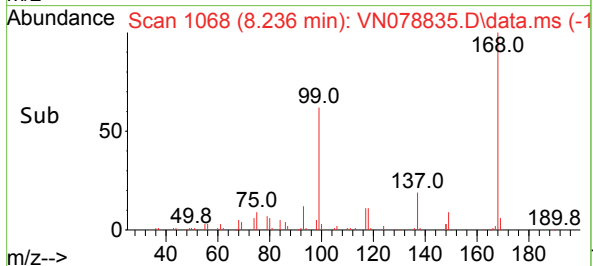
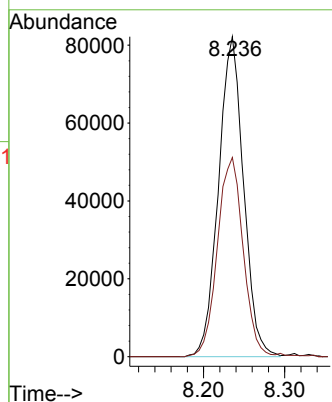
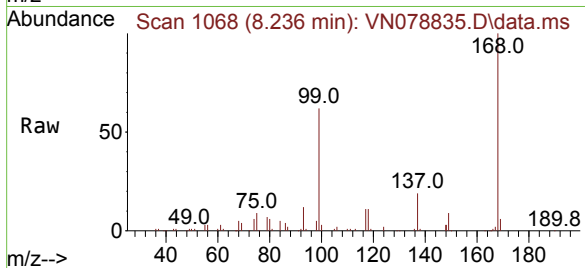
ClientSampleId :

Tgt Ion:168 Resp: 176372

Ion Ratio Lower Upper

168 100

99 62.3 53.0 79.6



#5

Bromomethane

Concen: 0.207 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN078835.D

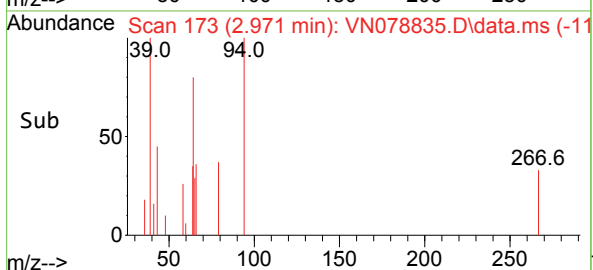
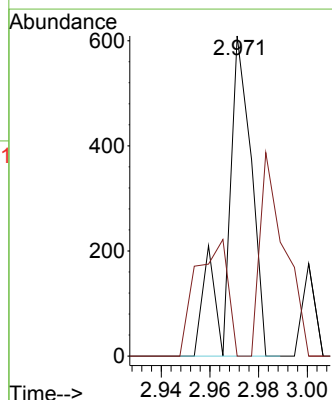
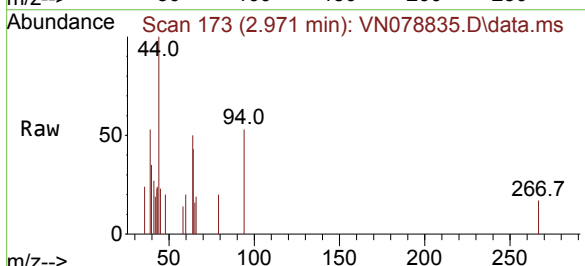
Acq: 10 Aug 2023 14:20

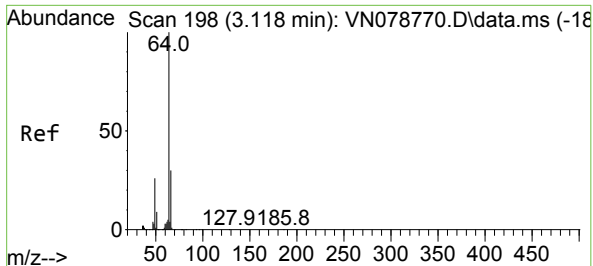
Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#

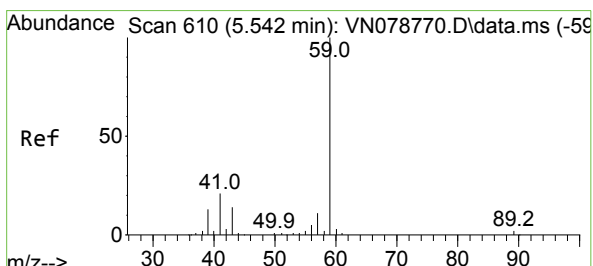
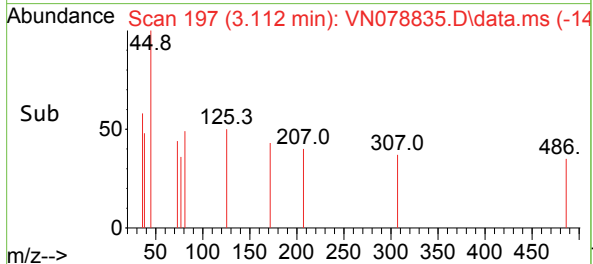
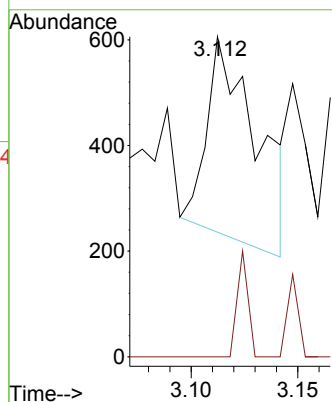
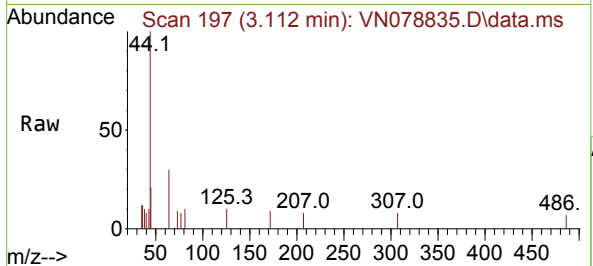




#6
Chloroethane
Concen: 0.320 ug/l
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

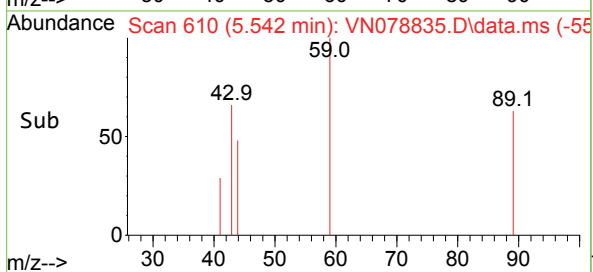
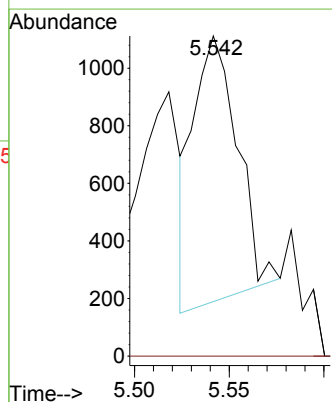
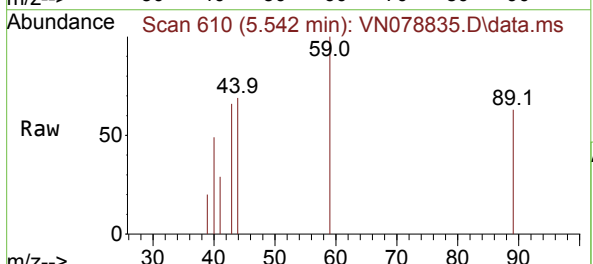
Instrument :
MSVOA_N
ClientSampleId :

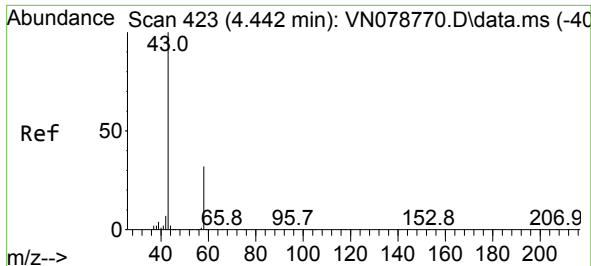
Tgt Ion: 64 Resp: 604
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 3.215 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

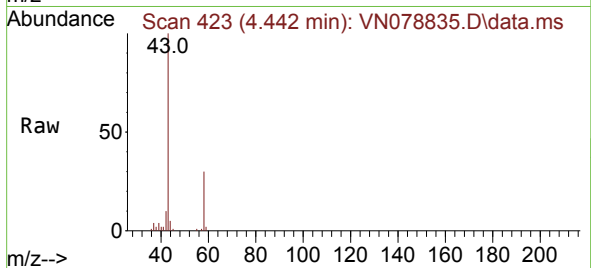
Tgt Ion: 59 Resp: 1492
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



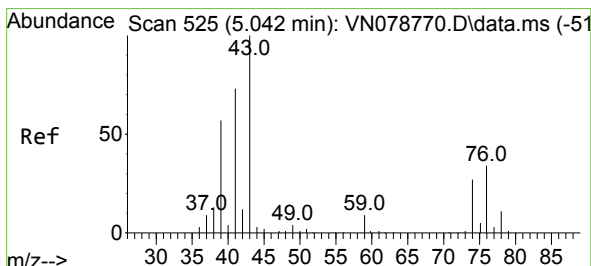
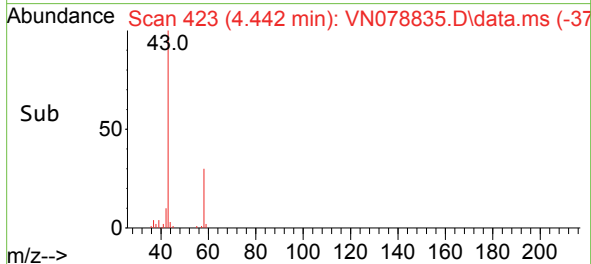
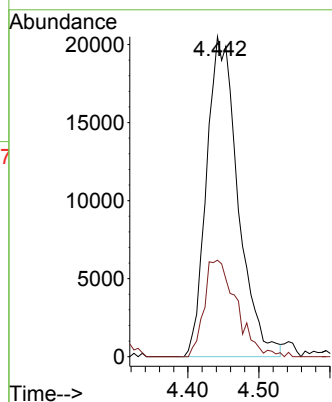


#16
Acetone
Concen: 62.050 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Instrument :
MSVOA_N
ClientSampleId :

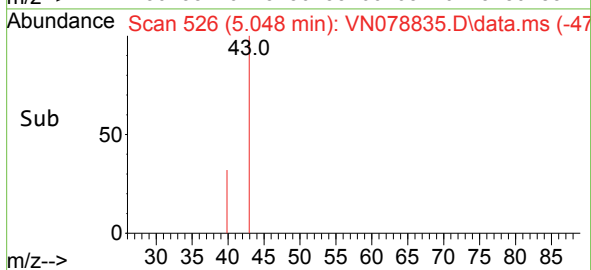
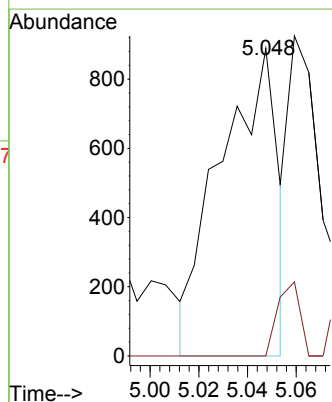
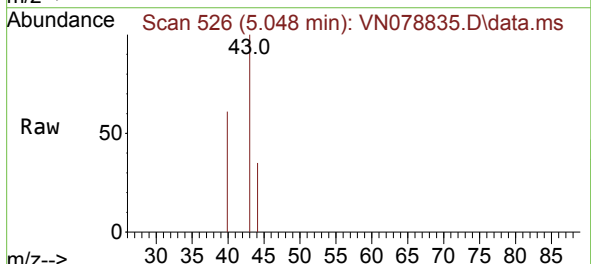


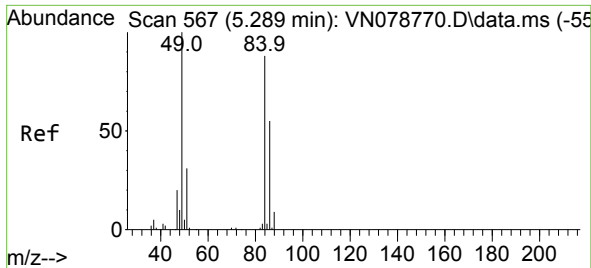
Tgt Ion: 43 Resp: 63126
Ion Ratio Lower Upper
43 100
58 30.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

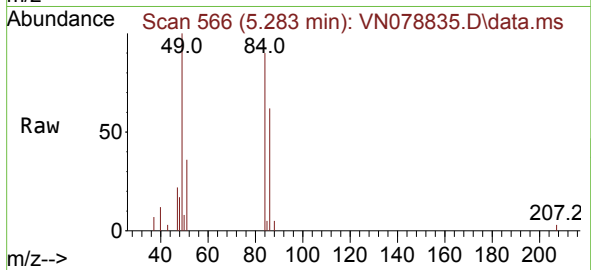
Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
74 9.4 26.2 39.4#



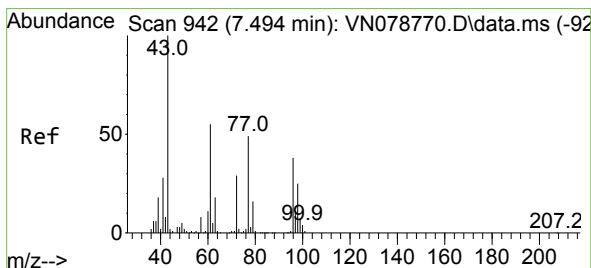
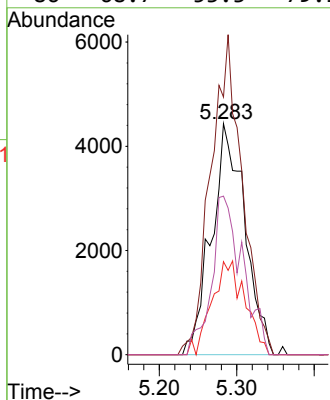
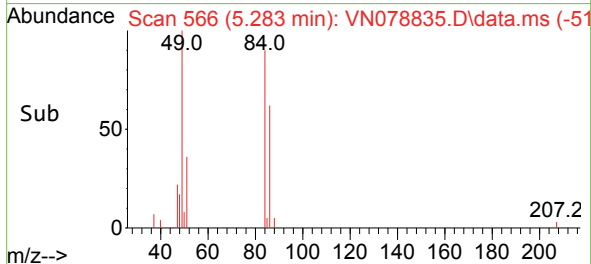


#20
Methylene Chloride
Concen: 5.270 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Instrument :
MSVOA_N
ClientSampleId :

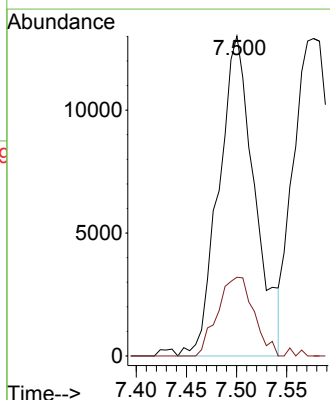
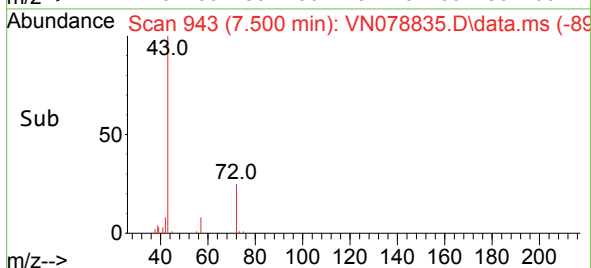
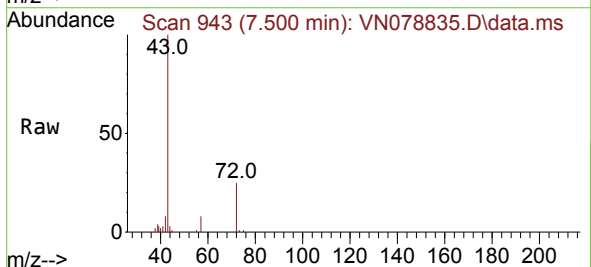


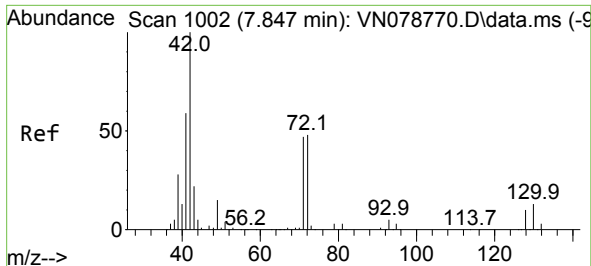
Tgt Ion:	84	Resp:	13277
Ion	Ratio	Lower	Upper
84	100		
49	111.5	79.7	119.5
51	40.3	25.2	37.8#
86	68.7	53.3	79.9



#25
2-Butanone
Concen: 18.766 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Tgt Ion:	43	Resp:	32329
Ion	Ratio	Lower	Upper
43	100		
72	24.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.747 ug/l

RT: 7.859 min Scan# 1067

Delta R.T. 0.012 min

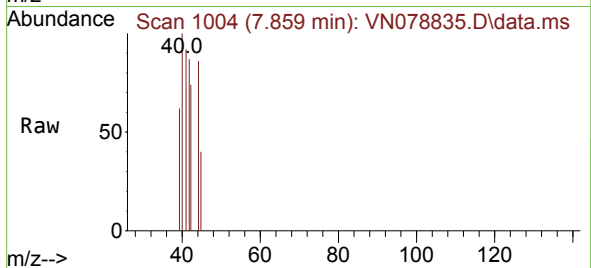
Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :



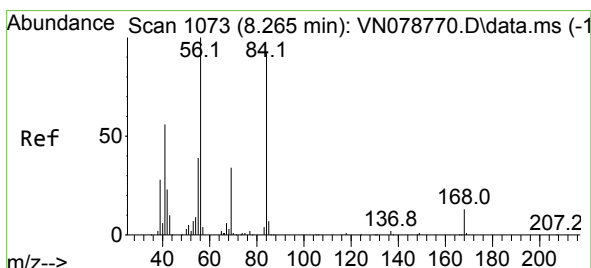
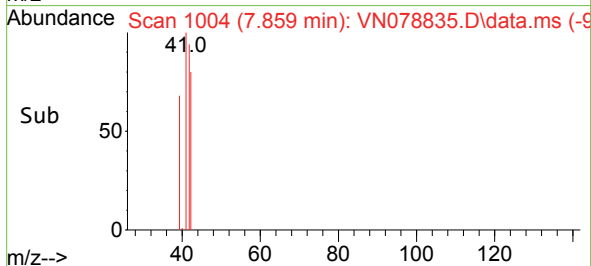
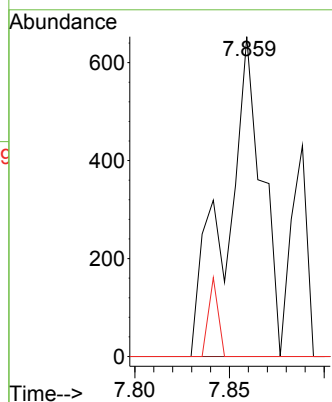
Tgt Ion: 42 Resp: 861

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 6.6 47.4 71.2#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

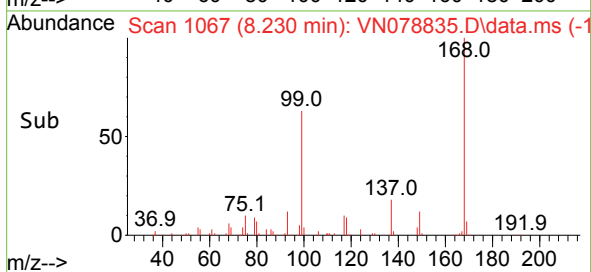
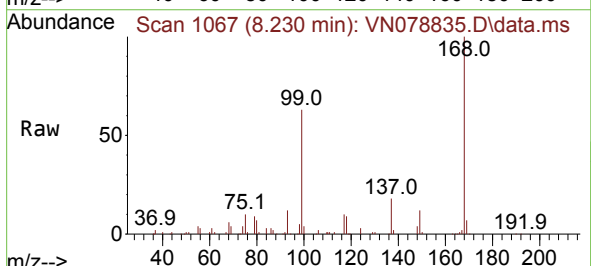
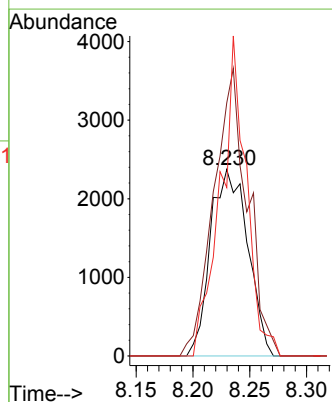
Tgt Ion: 56 Resp: 5421

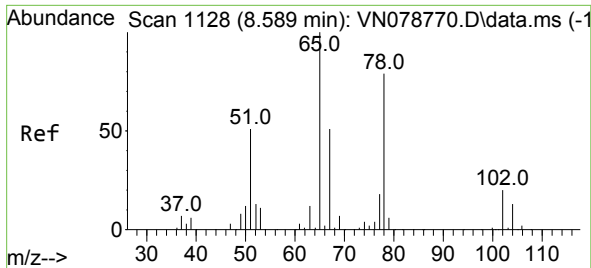
Ion Ratio Lower Upper

56 100

69 135.8 26.8 40.2#

84 90.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.245 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

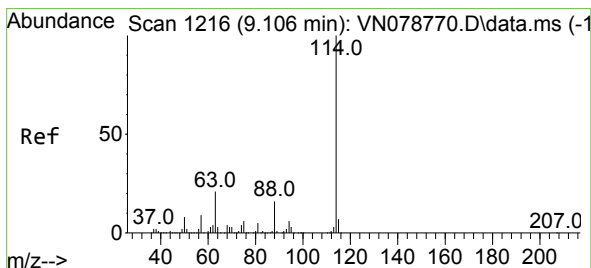
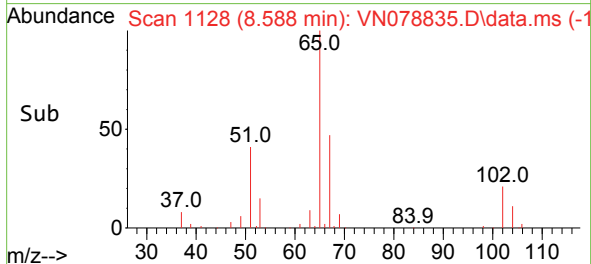
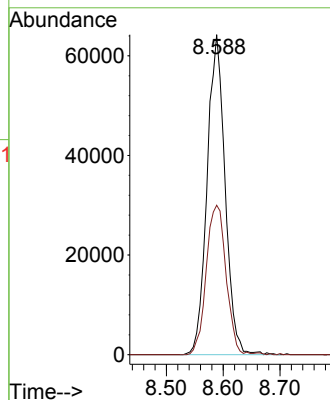
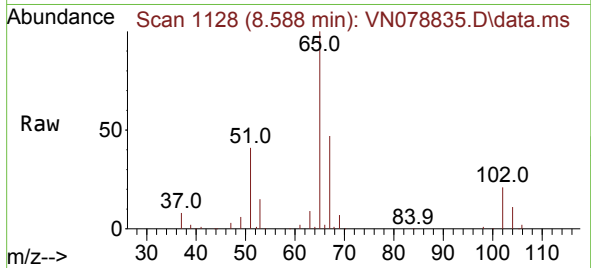
ClientSampleId :

Tgt Ion: 65 Resp: 140783

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

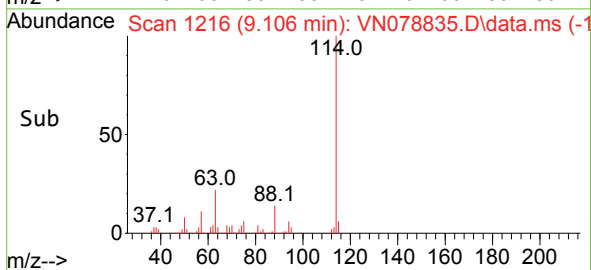
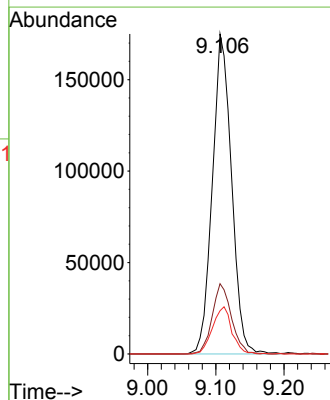
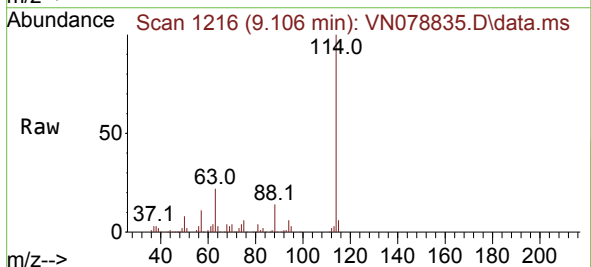
Tgt Ion: 114 Resp: 342948

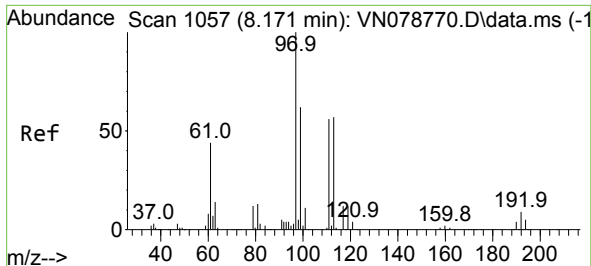
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

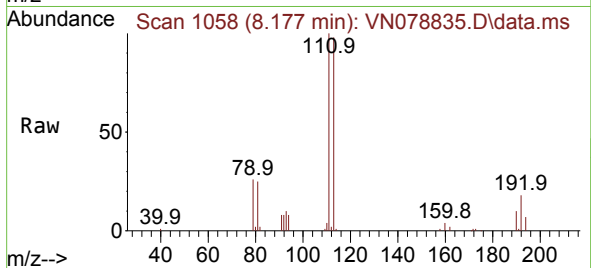
88 13.5 0.0 30.6



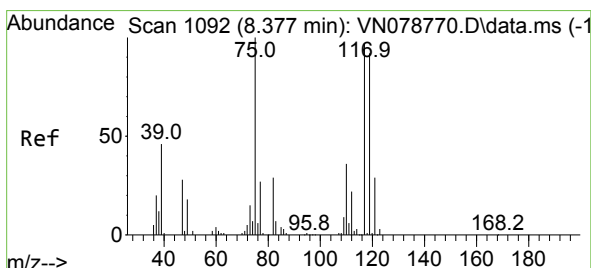
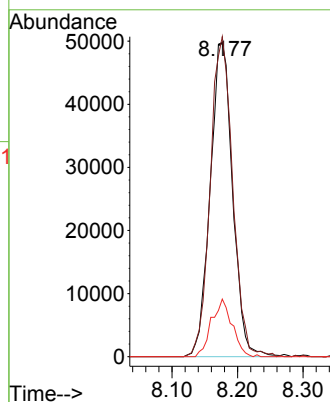
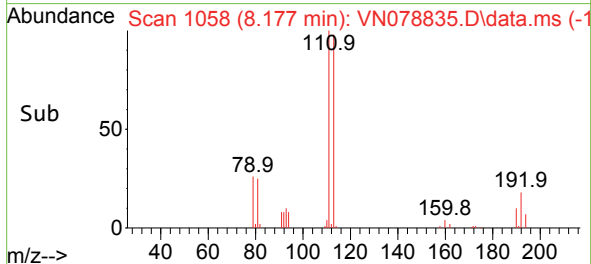


#35
 Dibromofluoromethane
 Concen: 50.971 ug/l
 RT: 8.177 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN078835.D
 Acq: 10 Aug 2023 14:20

Instrument :
 MSVOA_N
 ClientSampleId :

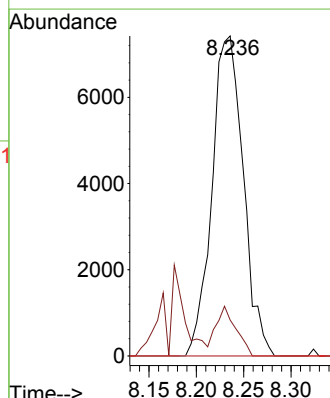
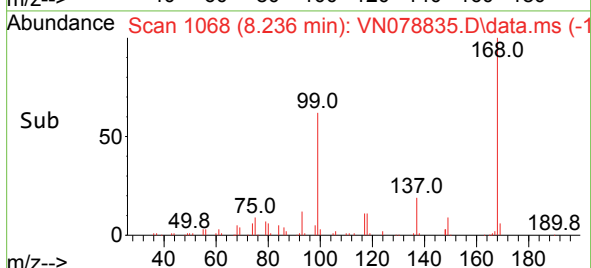
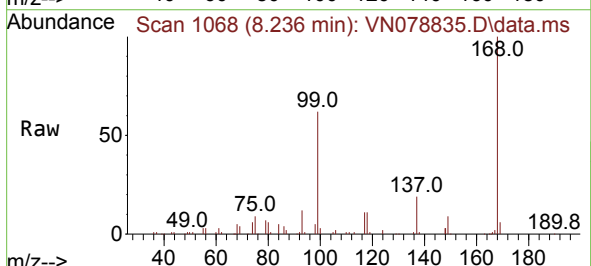


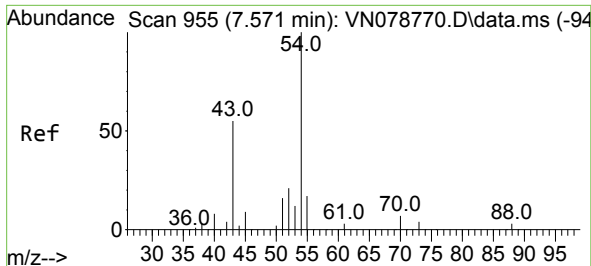
Tgt Ion:113 Resp: 118048
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 16.9 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078835.D
 Acq: 10 Aug 2023 14:20

Tgt Ion: 75 Resp: 17088
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 8.446 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078835.D

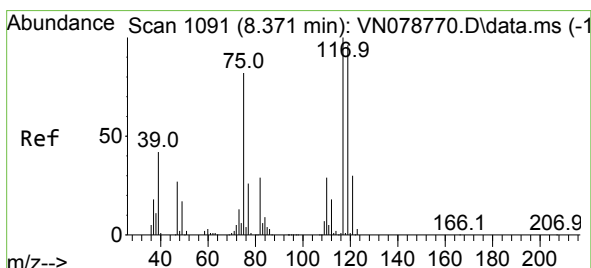
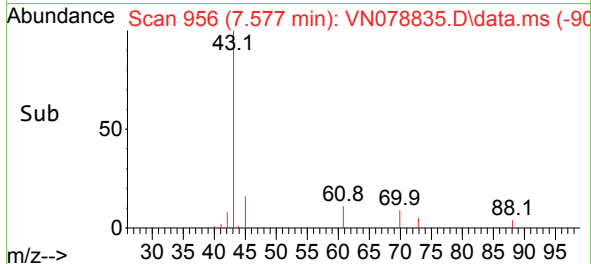
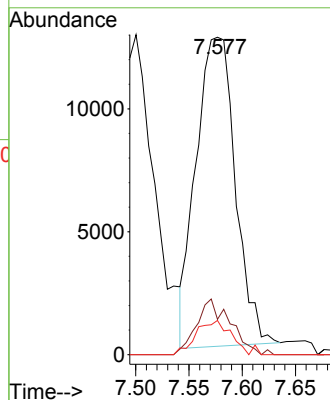
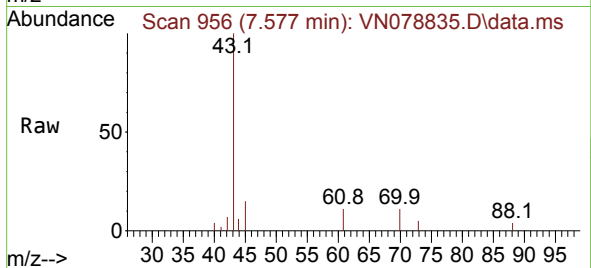
Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 32265
Ion Ratio	Lower Upper
43 100	
61 15.6	13.2 19.8
70 9.7	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.301 ug/l

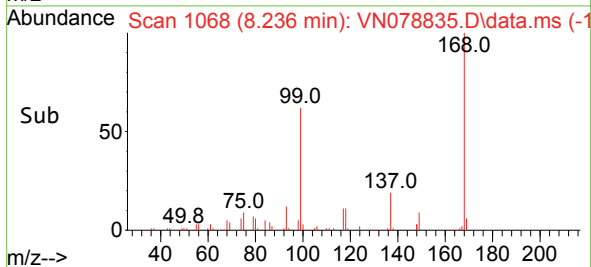
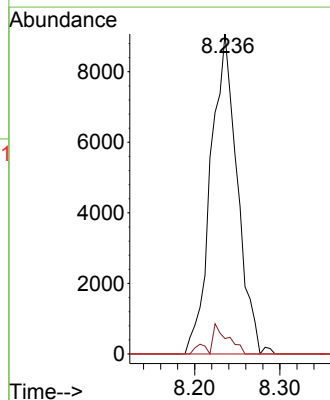
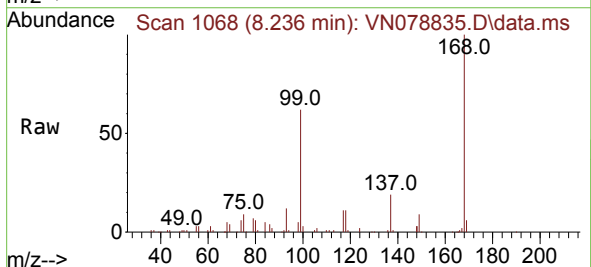
RT: 8.236 min Scan# 1068

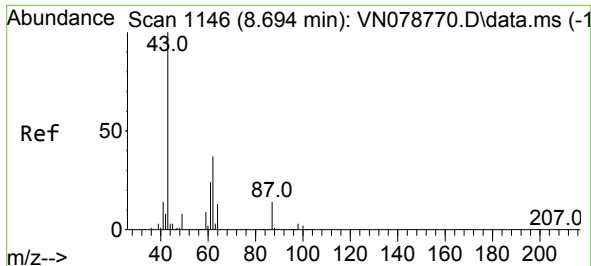
Delta R.T. -0.135 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

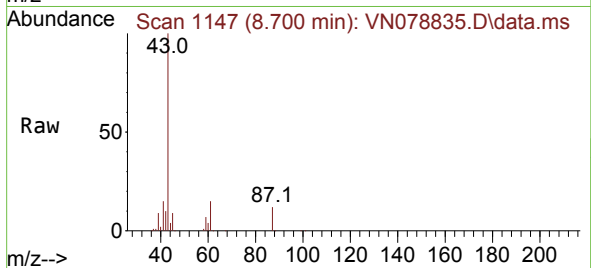
Tgt Ion: 117	Resp: 19635
Ion Ratio	Lower Upper
117 100	
119 4.8	77.3 115.9#
121 0.0	23.3 34.9#



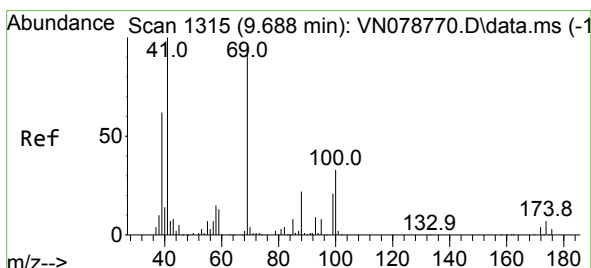
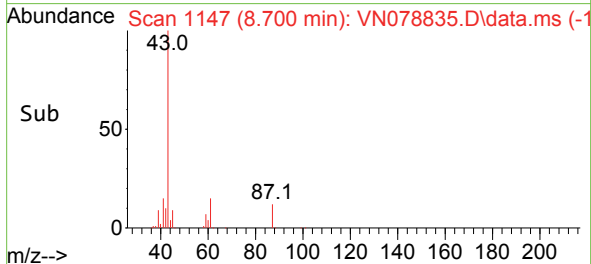
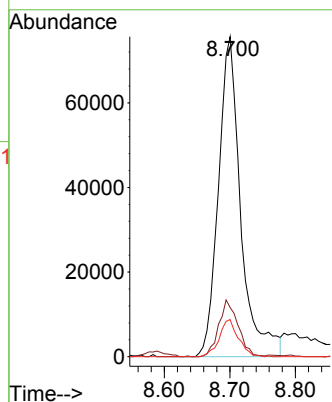


#43
Isopropyl Acetate
Concen: 27.744 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Instrument :
MSVOA_N
ClientSampleId :

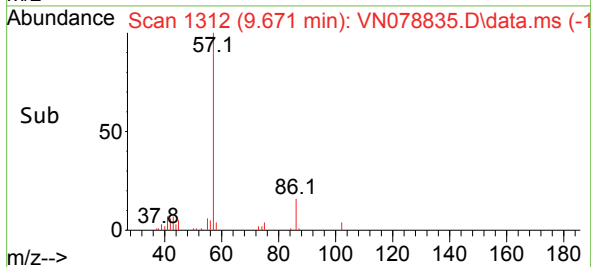
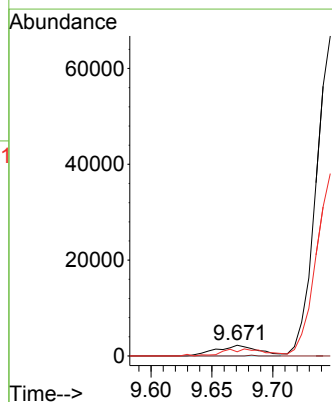
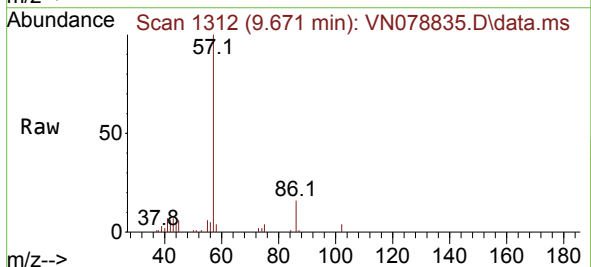


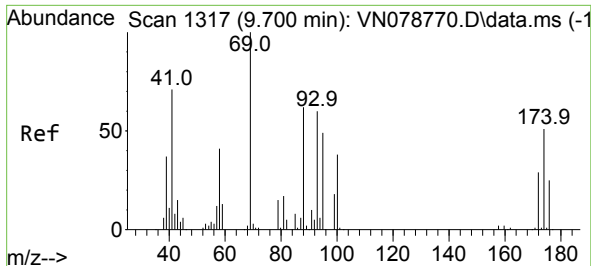
Tgt Ion: 43 Resp: 178692
Ion Ratio Lower Upper
43 100
61 15.3 24.7 37.1#
87 9.9 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Tgt Ion: 41 Resp: 5332
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 0.0 54.6 81.8#





#49

1,4-Dioxane

Concen: 1.386 ug/l

RT: 9.765 min Scan# 11

Delta R.T. 0.065 min

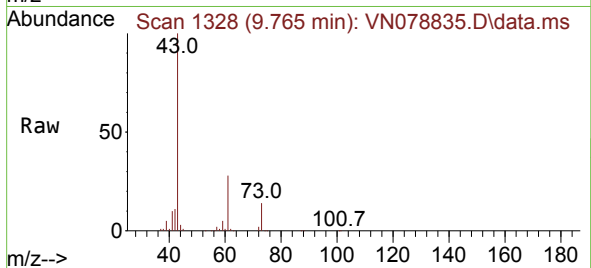
Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :



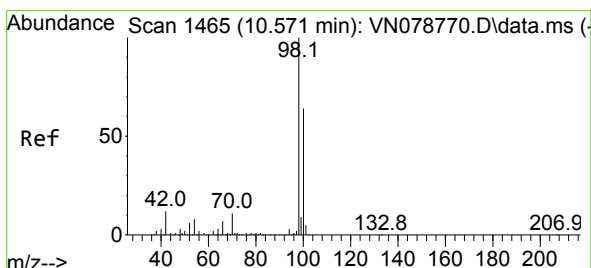
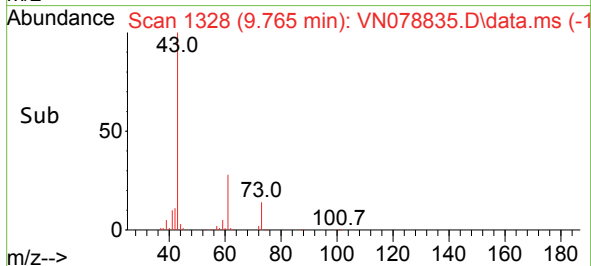
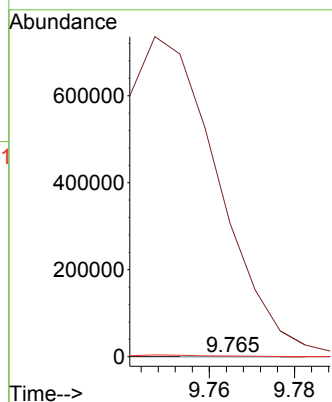
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 1990485.1 17.0 25.6#

58 9997.0 47.0 70.4#



#50

Toluene-d8

Concen: 51.682 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078835.D

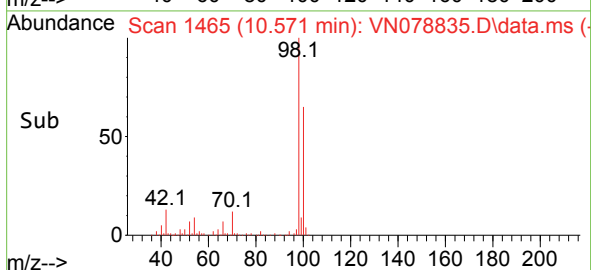
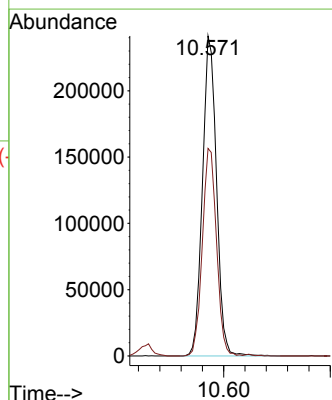
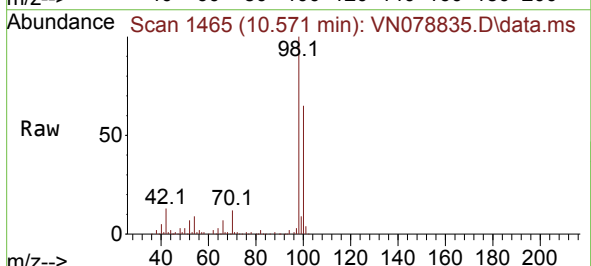
Acq: 10 Aug 2023 14:20

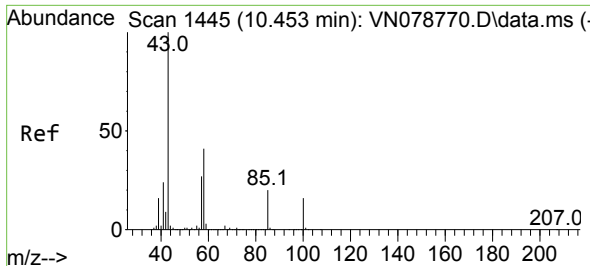
Tgt Ion: 98 Resp: 440473

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0

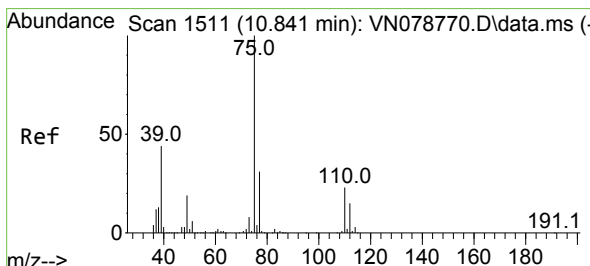
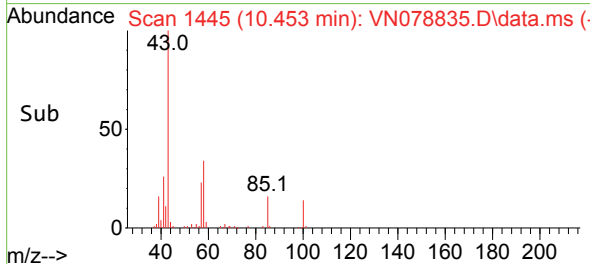
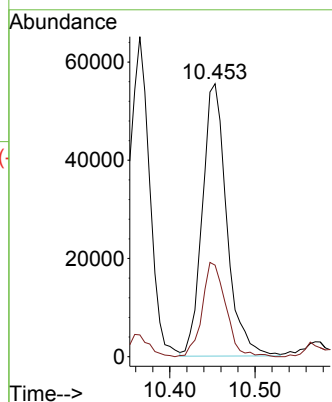
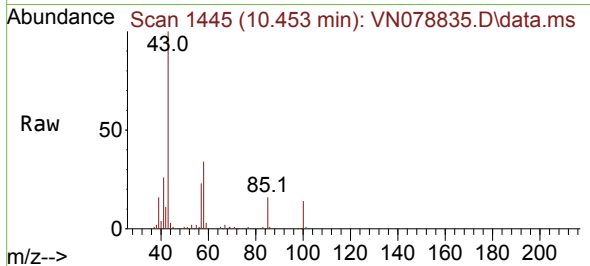




#51
4-Methyl-2-Pentanone
Concen: 28.011 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

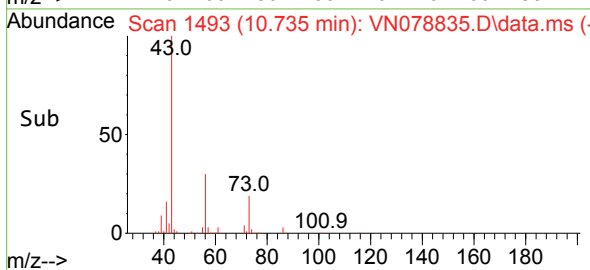
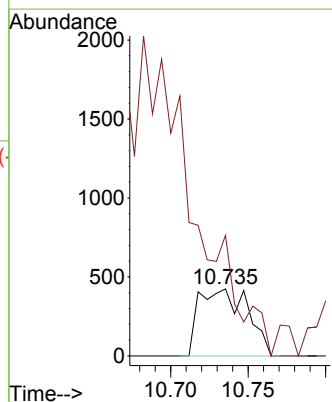
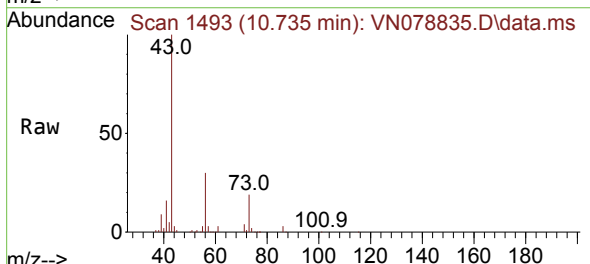
Instrument :
MSVOA_N
ClientSampleId :

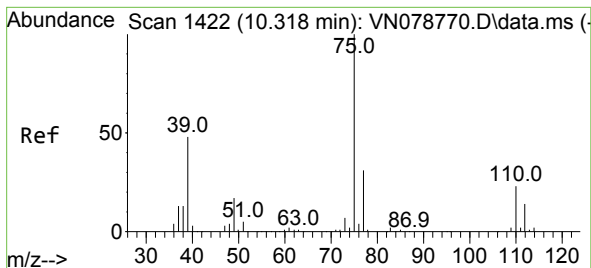
Tgt Ion: 43 Resp: 110508
Ion Ratio Lower Upper
43 100
58 33.4 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.235 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 134.2 25.4 38.0#

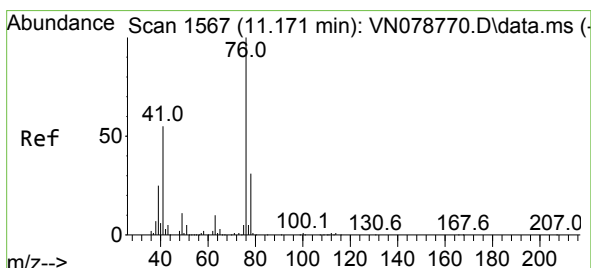
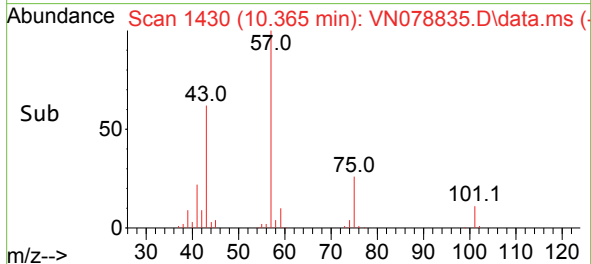
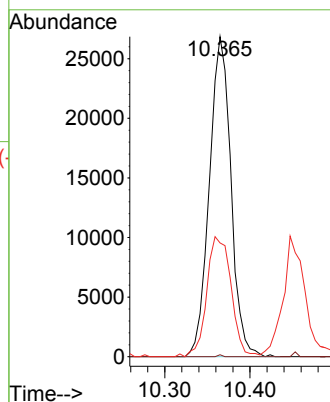
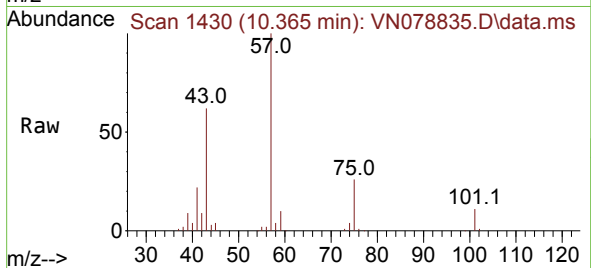




#54
 cis-1,3-Dichloropropene
 Concen: 11.025 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078835.D
 Acq: 10 Aug 2023 14:20

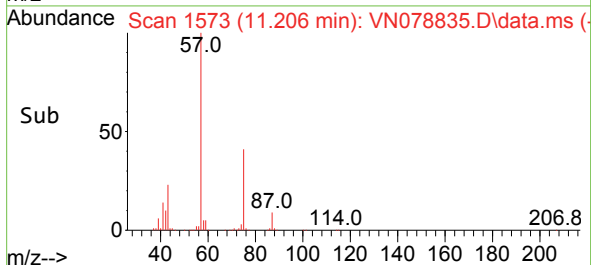
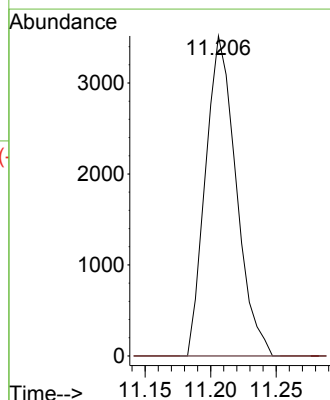
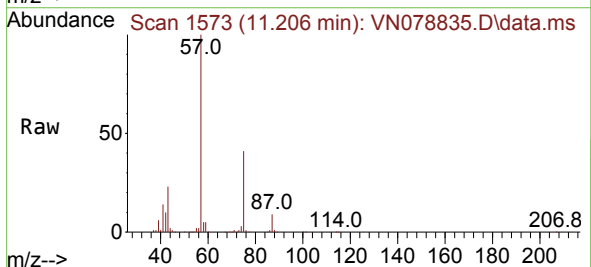
Instrument :
 MSVOA_N
 ClientSampleId :

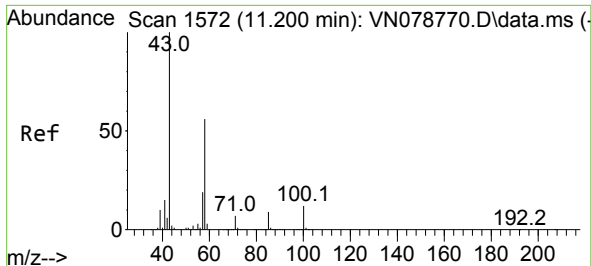
Tgt Ion: 75 Resp: 47233
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 34.7 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.247 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078835.D
 Acq: 10 Aug 2023 14:20

Tgt Ion: 76 Resp: 5718
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

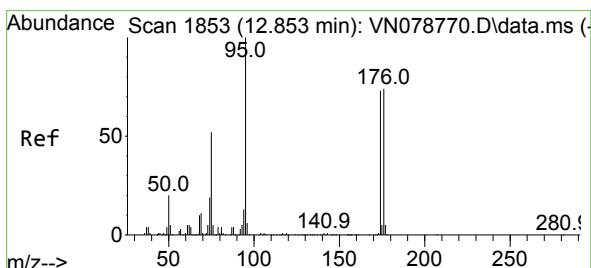
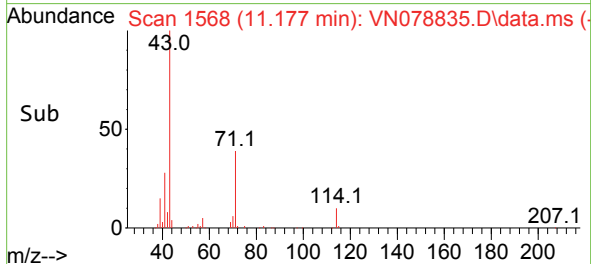
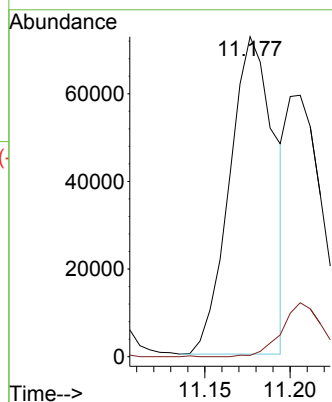
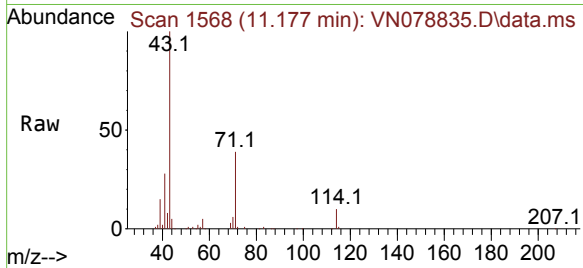




#59
2-Hexanone
Concen: 47.518 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

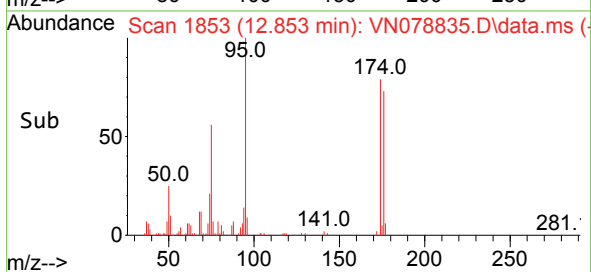
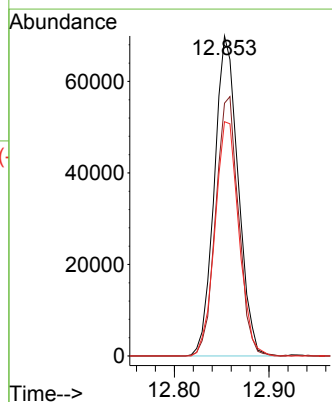
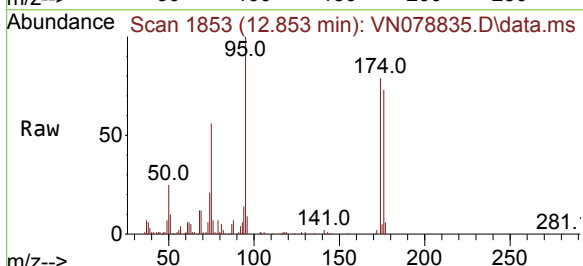
Instrument :
MSVOA_N
ClientSampleId :

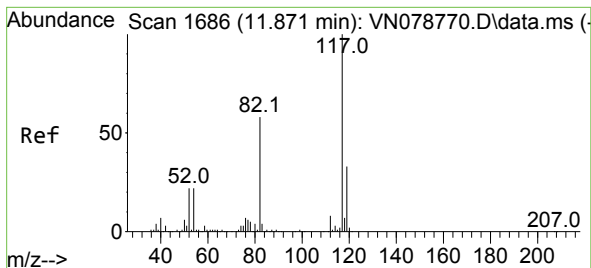
Tgt Ion: 43 Resp: 132739
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.031 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078835.D
Acq: 10 Aug 2023 14:20

Tgt Ion: 95 Resp: 122340
Ion Ratio Lower Upper
95 100
174 77.7 0.0 143.8
176 73.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

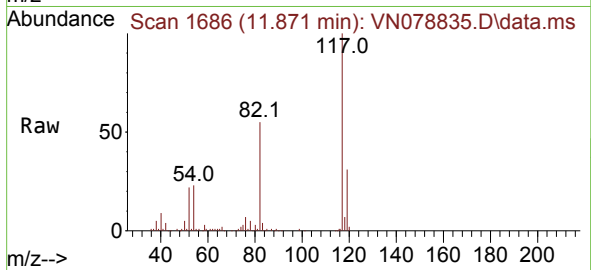
Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :



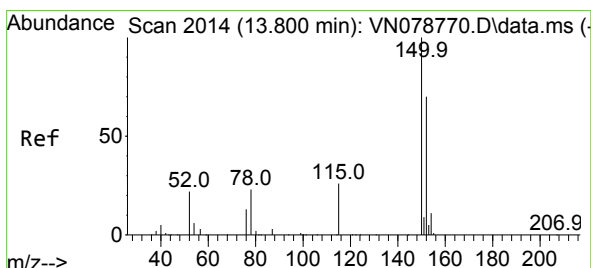
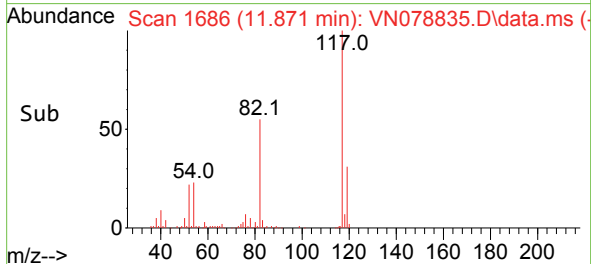
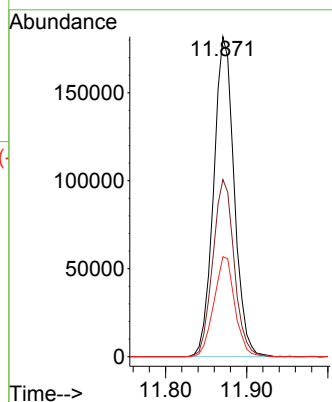
Tgt Ion:117 Resp: 319739

Ion Ratio Lower Upper

117 100

82 55.4 44.0 66.0

119 31.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

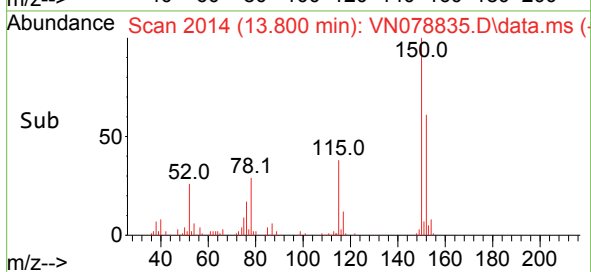
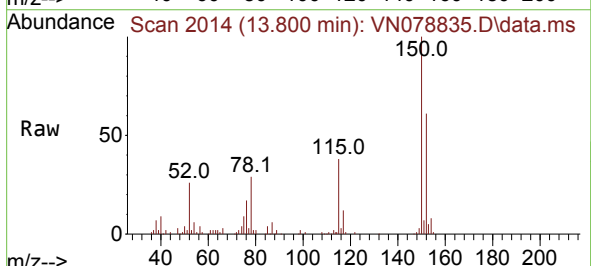
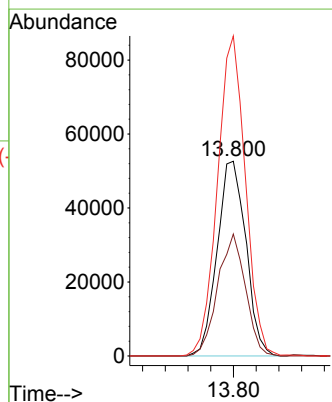
Tgt Ion:152 Resp: 92461

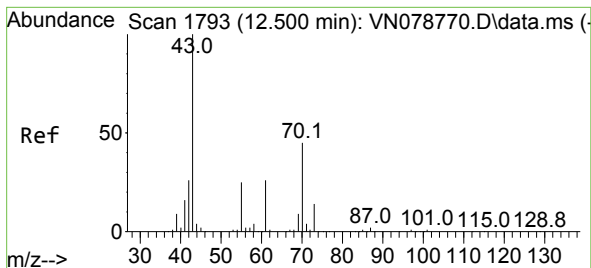
Ion Ratio Lower Upper

152 100

115 60.3 32.3 96.8

150 160.0 0.0 355.8





#74

N-amy1 acetate

Concen: 1.036 ug/l

RT: 12.471 min Scan# 1

Delta R.T. -0.029 min

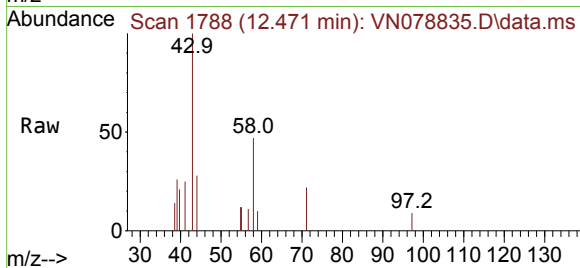
Lab File: VN078835.D

Acq: 10 Aug 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4278

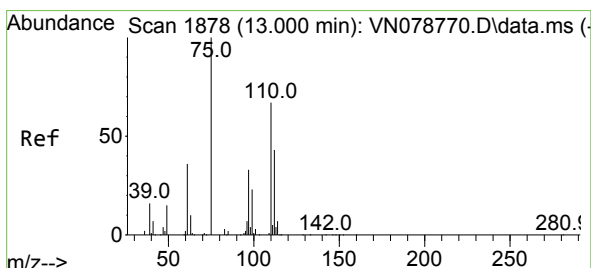
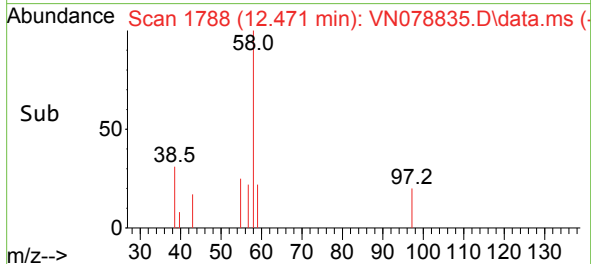
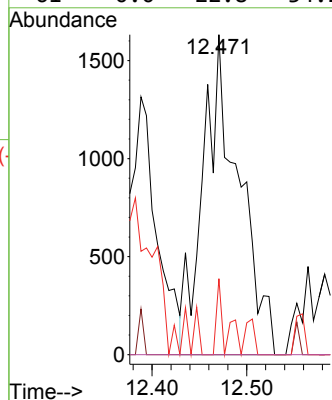
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 4.6 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 28.158 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078835.D

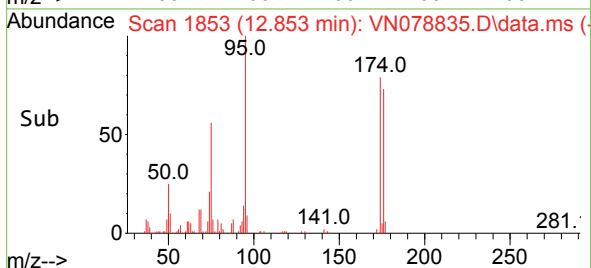
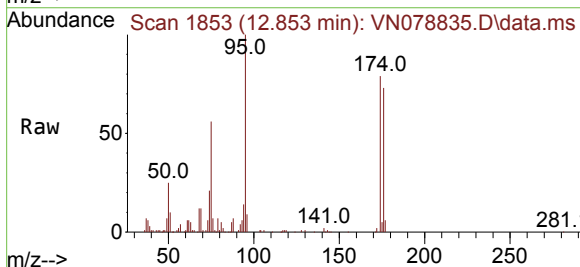
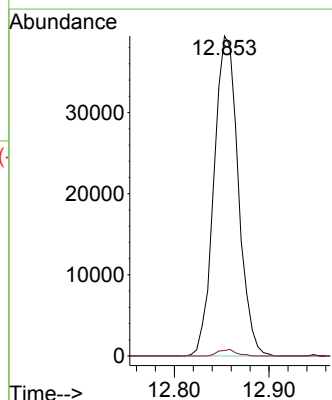
Acq: 10 Aug 2023 14:20

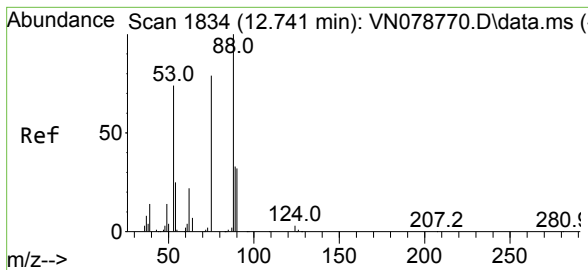
Tgt Ion: 75 Resp: 70391

Ion Ratio Lower Upper

75 100

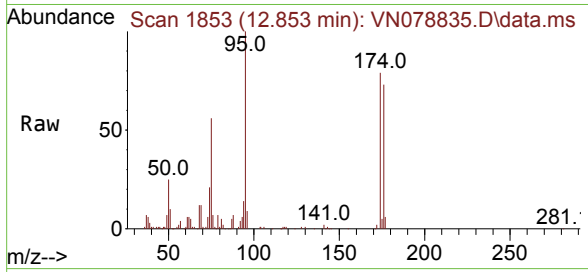
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.558 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078835.D
 Acq: 10 Aug 2023 14:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	67.4	101.2#
89	0.0	38.8	58.2#

