

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078898.D
 Acq On : 16 Aug 2023 13:16
 Operator : JC\MD
 Sample : PB154855ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#01

Quant Time: Aug 17 01:15:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

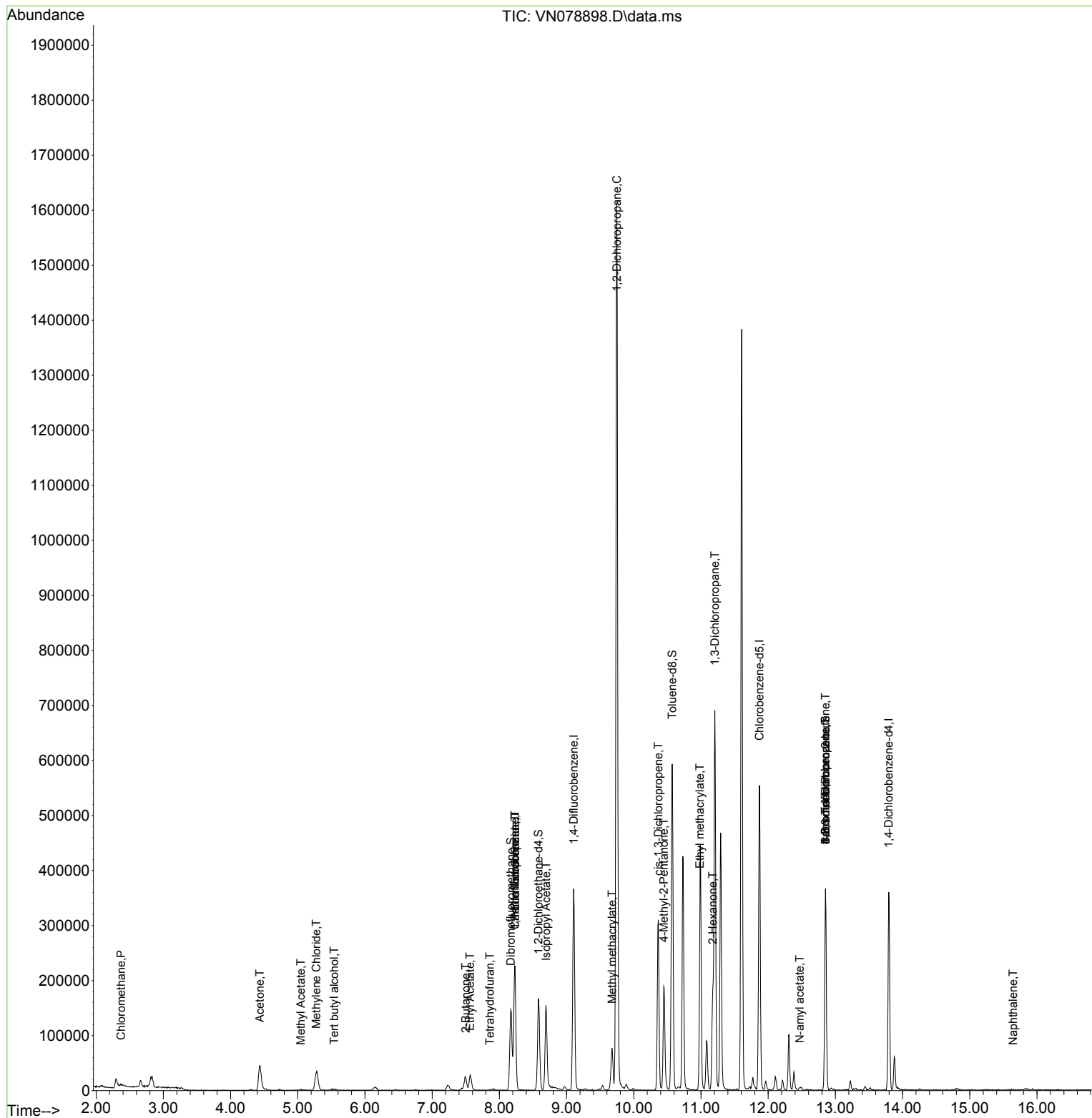
Internal Standards						
1) Pentafluorobenzene	8.230	168	155650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	299075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	294985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127229	52.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.060%	
35) Dibromofluoromethane	8.171	113	100987	50.162	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	10.571	98	397715	53.204	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.400%	
62) 4-Bromofluorobenzene	12.853	95	116996	47.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1928	0.639	ug/l #	75
11) Tert butyl alcohol	5.542	59	1710	4.207	ug/l #	72
16) Acetone	4.436	43	88480	88.535	ug/l	88
18) Methyl Acetate	5.047	43	2187	0.518	ug/l #	47
20) Methylene Chloride	5.277	84	25530	11.987	ug/l #	89
25) 2-Butanone	7.500	43	40266	25.131	ug/l #	81
29) Tetrahydrofuran	7.859	42	980	0.924	ug/l #	29
31) Cyclohexane	8.235	56	5160	Below Cal	#	50
36) 1,1-Dichloropropene	8.235	75	14966	4.942	ug/l #	47
37) Ethyl Acetate	7.565	43	43301	12.779	ug/l #	90
38) Carbon Tetrachloride	8.235	117	17917	5.905	ug/l #	18
43) Isopropyl Acetate	8.694	43	174468	29.132	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	2060	0.864	ug/l #	45
48) Methyl methacrylate	9.677	41	6474	2.386	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	138783	39.072	ug/l #	83
54) cis-1,3-Dichloropropene	10.365	75	49701	13.183	ug/l #	70
56) Ethyl methacrylate	10.982	69	1683	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6779	1.720	ug/l #	42
59) 2-Hexanone	11.176	43	152775	59.383	ug/l #	19
71) Bromoform	12.853	173	897	0.520	ug/l #	1
74) N-amyl acetate	12.470	43	4951	1.282	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	68492	30.980	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68492	79.139	ug/l #	15
95) Naphthalene	15.647	128	965	2.791	ug/l #	70

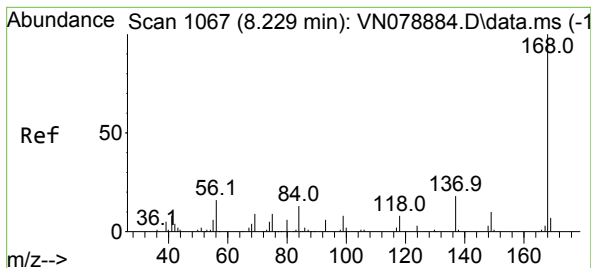
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
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Sample : PB154855ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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Quant Time: Aug 17 01:15:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

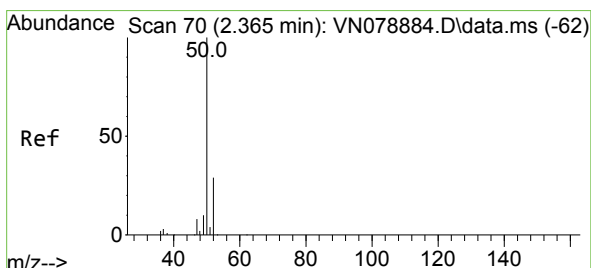
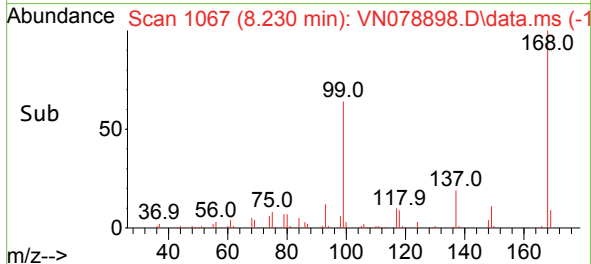
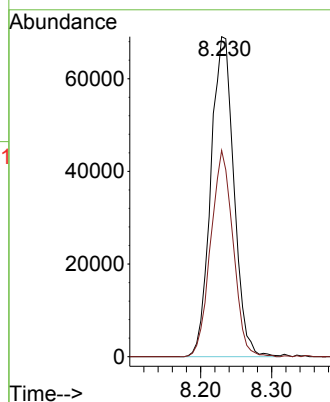
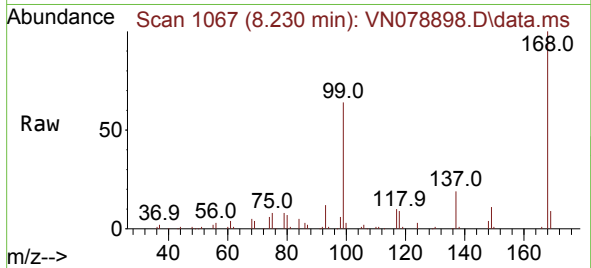




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

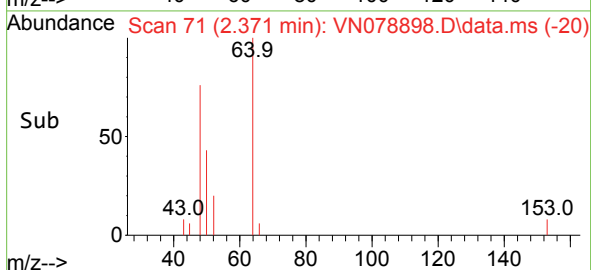
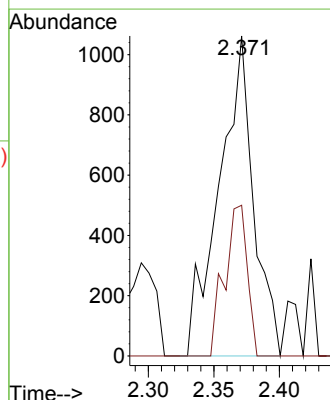
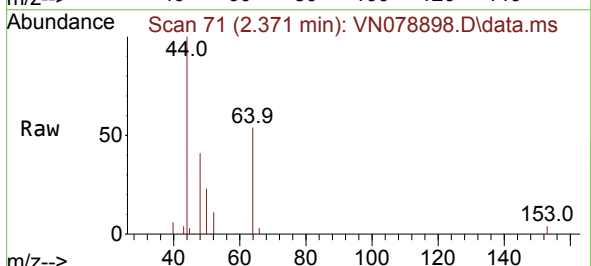
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

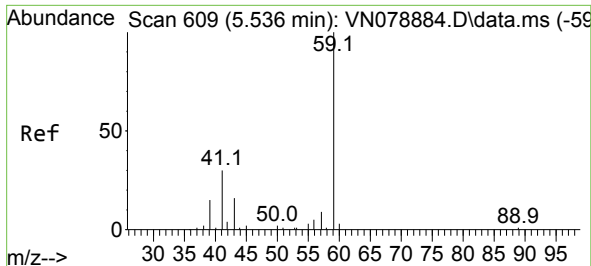
Tgt Ion:168 Resp: 155650
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6



#3
Chloromethane
Concen: 0.639 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 50 Resp: 1928
Ion Ratio Lower Upper
50 100
52 47.1 26.5 39.7#

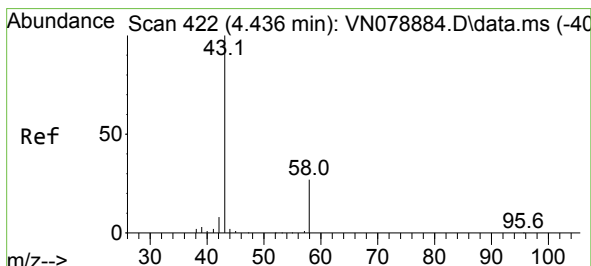
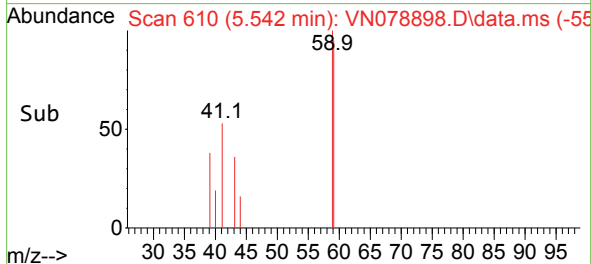
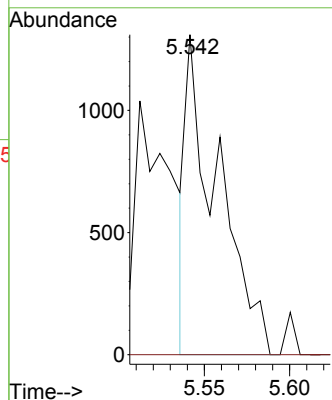
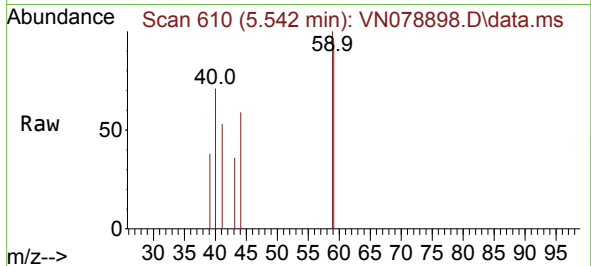




#11
Tert butyl alcohol
Concen: 4.207 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

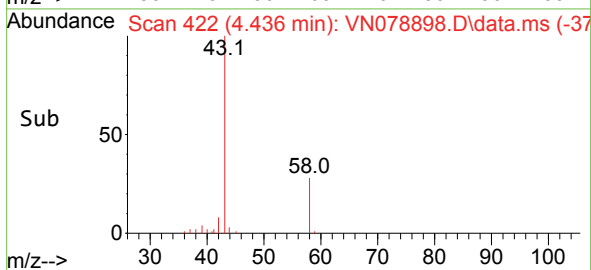
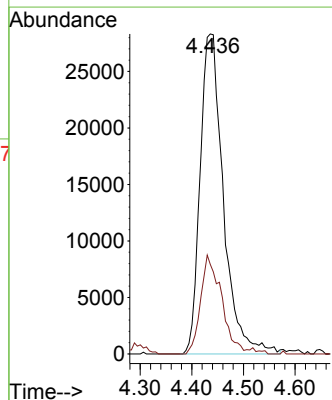
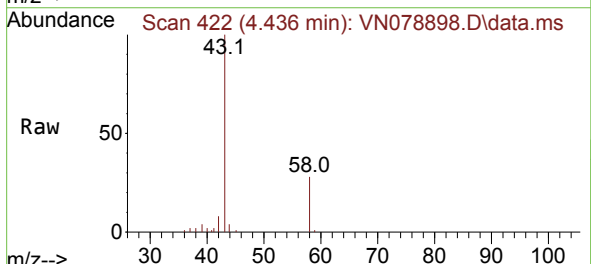
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

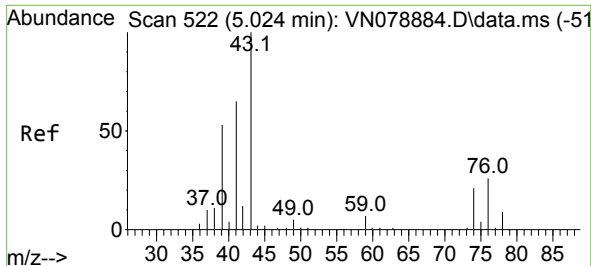
Tgt Ion: 59 Resp: 1710
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 88.535 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 43 Resp: 88480
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0





#18

Methyl Acetate

Concen: 0.518 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Instrument :

MSVOA_N

ClientSampleId :

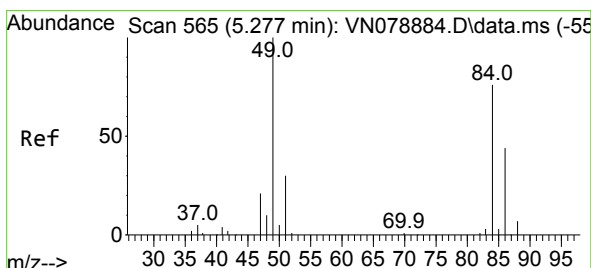
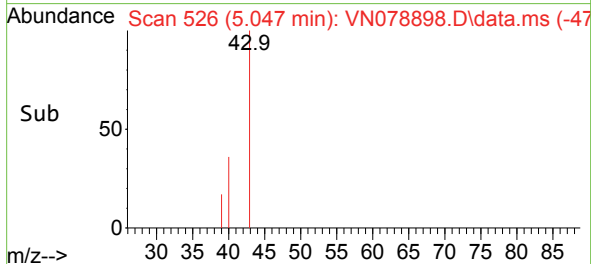
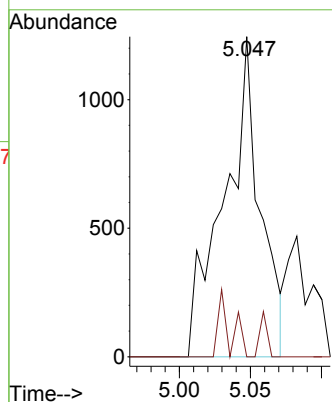
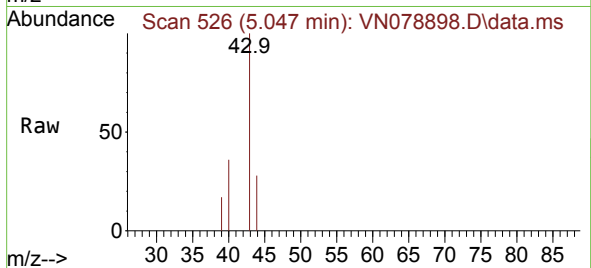
PB154855ZHE#01

Tgt Ion: 43 Resp: 2187

Ion Ratio Lower Upper

43 100

74 2.8 26.2 39.4#



#20

Methylene Chloride

Concen: 11.987 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Tgt Ion: 84 Resp: 25530

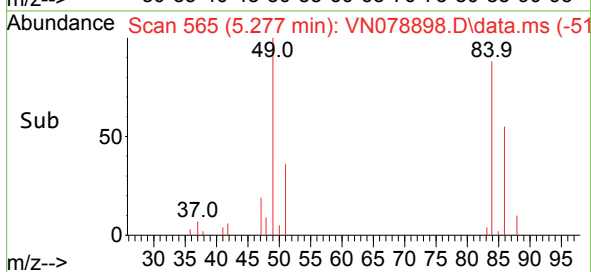
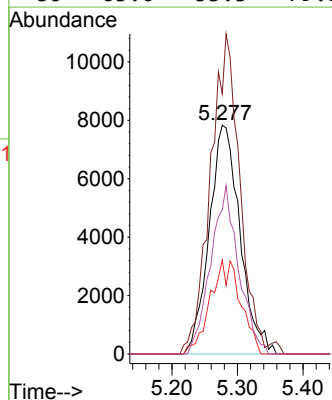
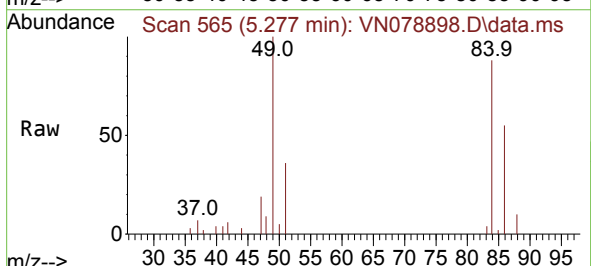
Ion Ratio Lower Upper

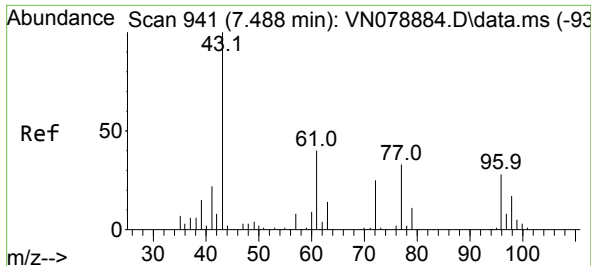
84 100

49 113.7 79.7 119.5

51 41.0 25.2 37.8#

86 63.0 53.3 79.9





#25

2-Butanone

Concen: 25.131 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Instrument :

MSVOA_N

ClientSampleId :

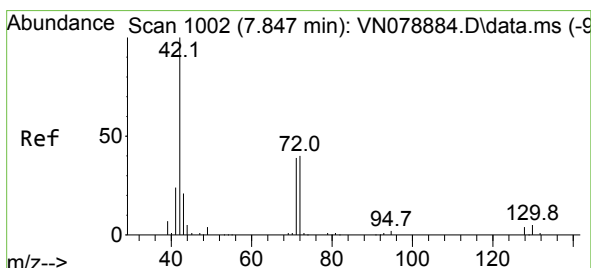
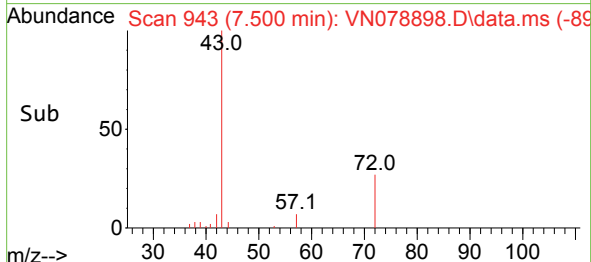
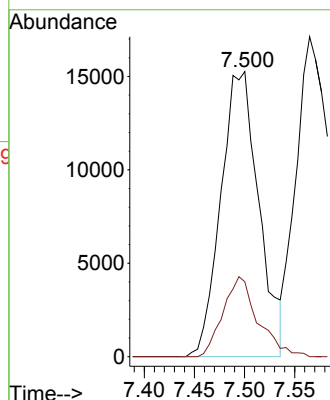
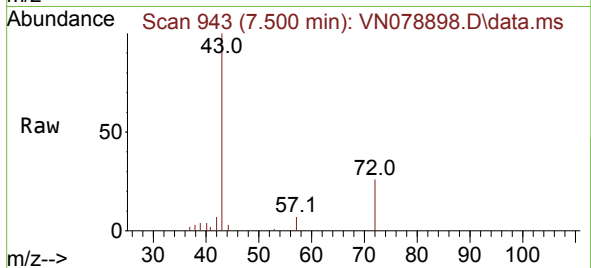
PB154855ZHE#01

Tgt Ion: 43 Resp: 40266

Ion Ratio Lower Upper

43 100

72 26.2 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.924 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

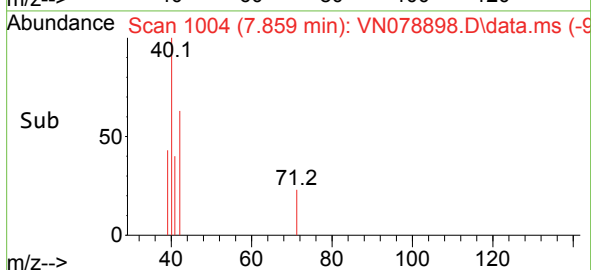
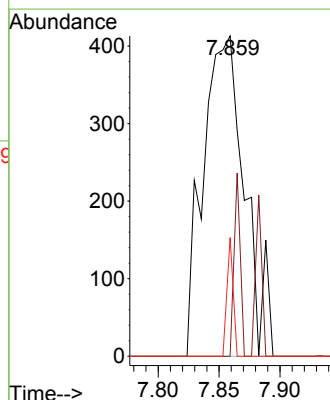
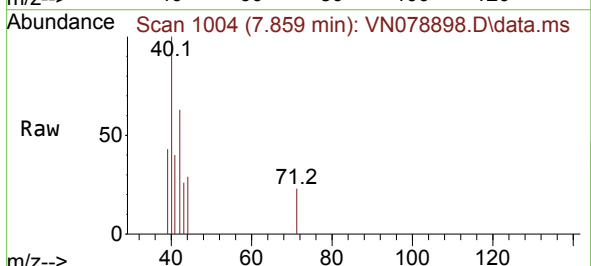
Tgt Ion: 42 Resp: 980

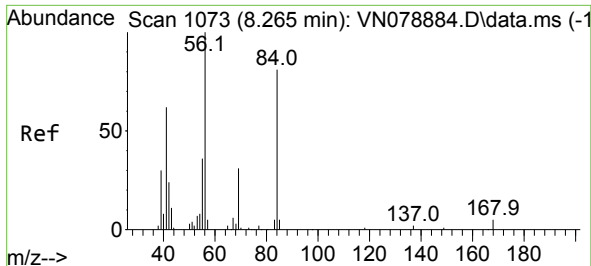
Ion Ratio Lower Upper

42 100

72 8.5 49.8 74.6#

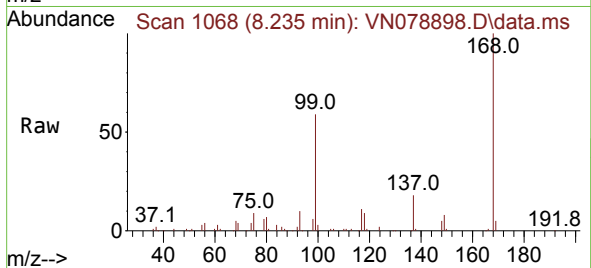
71 5.5 47.4 71.2#



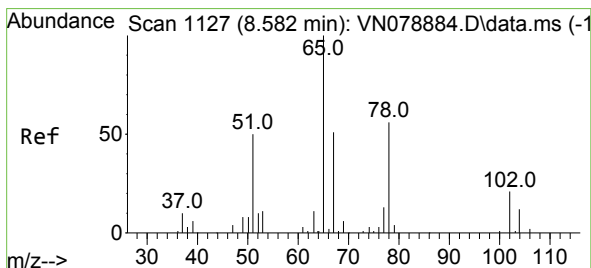
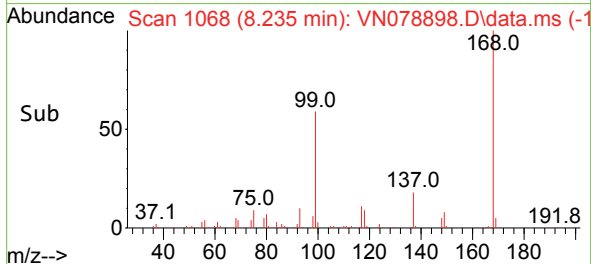
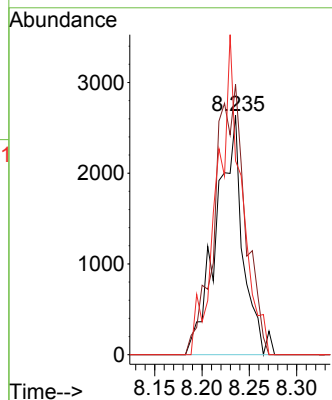


#31
Cyclohexane
Concen: Below Cal
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

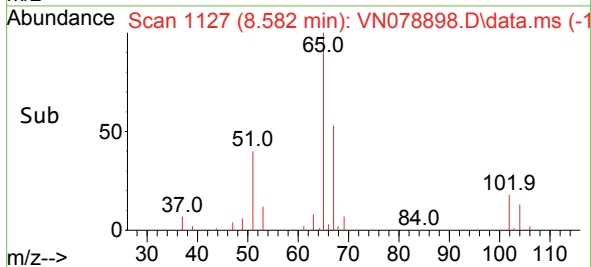
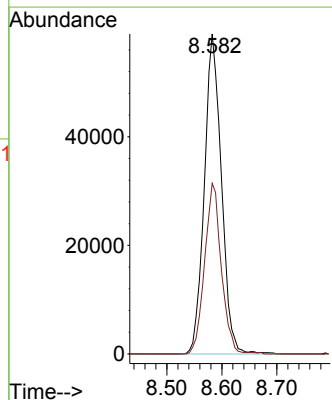
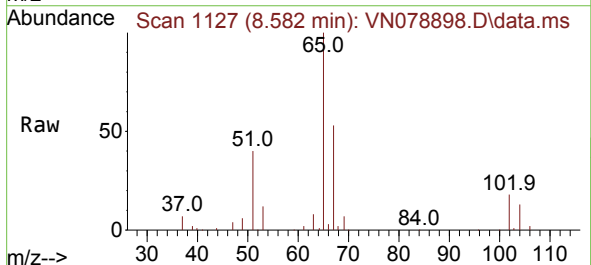


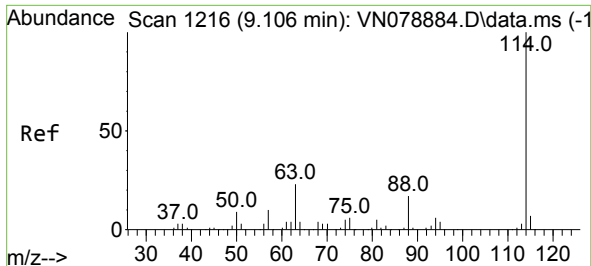
Tgt Ion: 56 Resp: 5160
Ion Ratio Lower Upper
56 100
69 112.9 26.8 40.2#
84 80.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.530 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 65 Resp: 127229
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078898.D

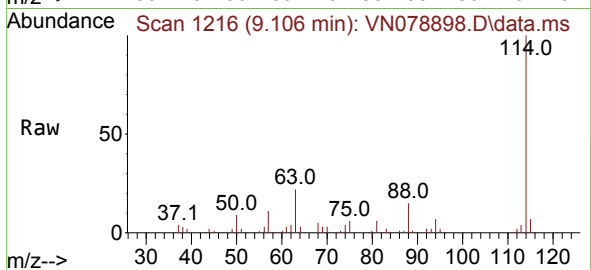
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Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#01



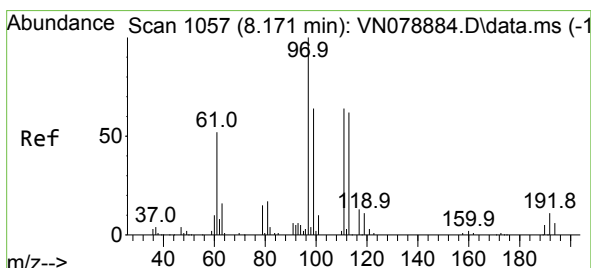
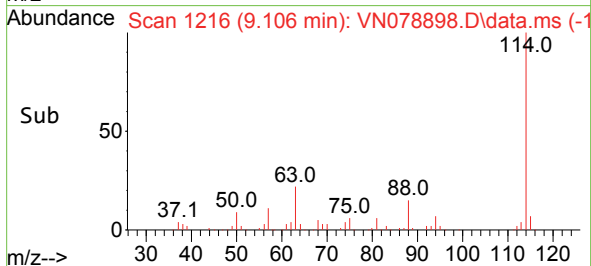
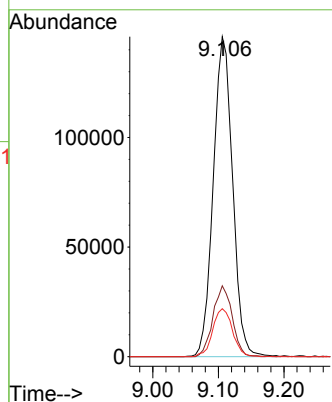
Tgt Ion:114 Resp: 299075

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.162 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

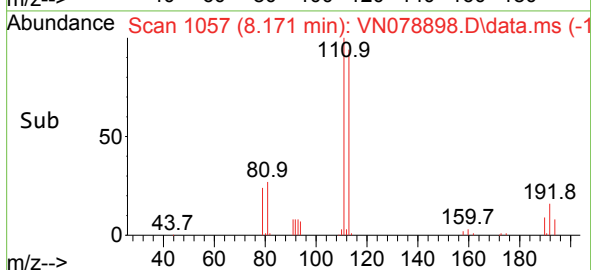
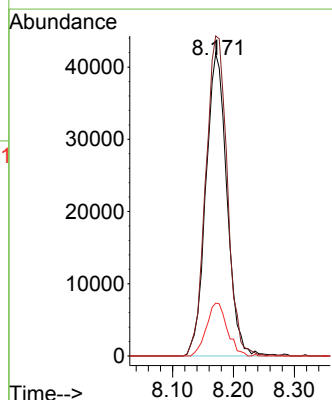
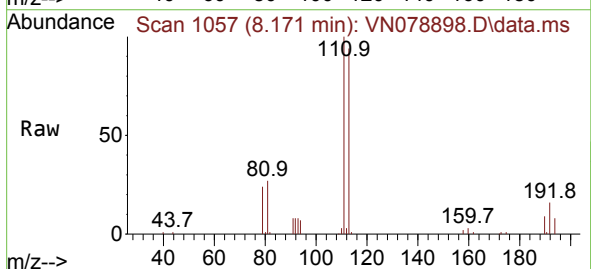
Tgt Ion:113 Resp: 100987

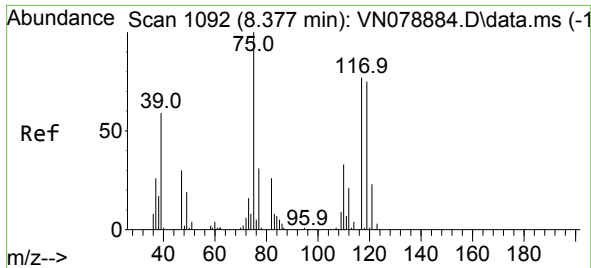
Ion Ratio Lower Upper

113 100

111 107.5 82.6 123.8

192 17.2 12.7 19.1

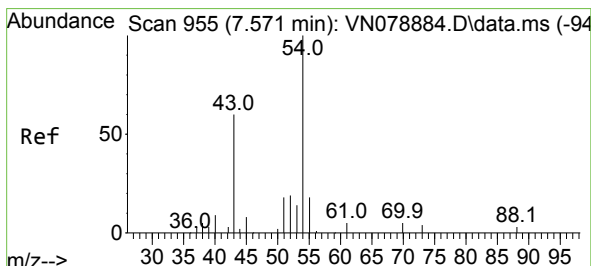
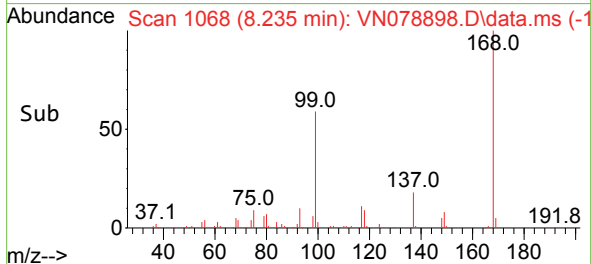
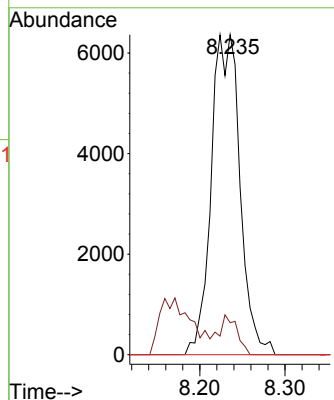
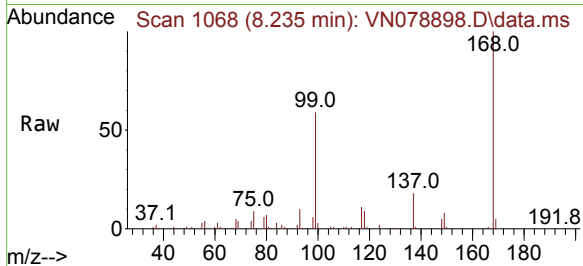




#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 8.235 min Scan# 1092
 Delta R.T. -0.142 min
 Lab File: VN078898.D
 Acq: 16 Aug 2023 13:16

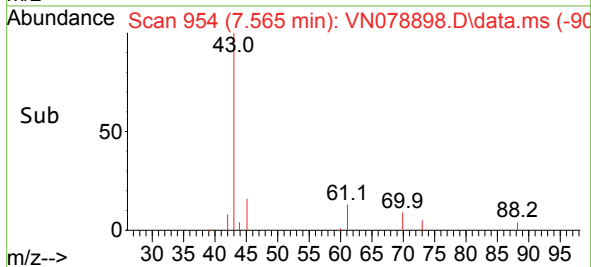
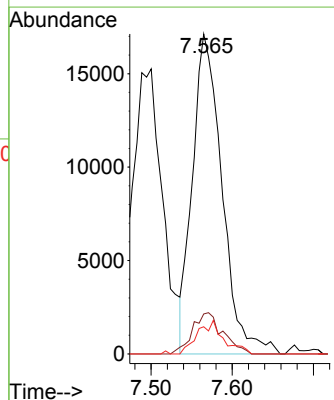
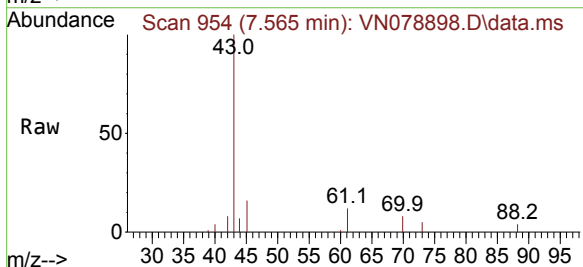
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#01

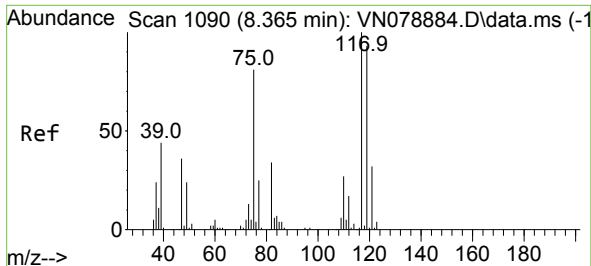
Tgt Ion: 75 Resp: 14966
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 12.779 ug/l
 RT: 7.565 min Scan# 954
 Delta R.T. -0.006 min
 Lab File: VN078898.D
 Acq: 16 Aug 2023 13:16

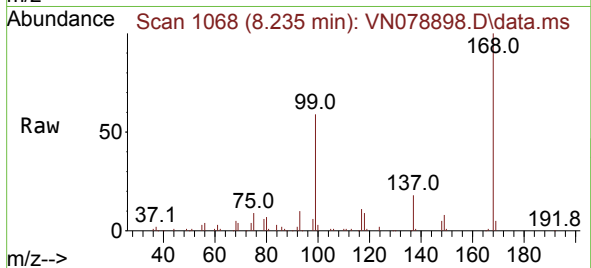
Tgt Ion: 43 Resp: 43301
 Ion Ratio Lower Upper
 43 100
 61 13.2 13.2 19.8
 70 9.2 11.3 16.9#



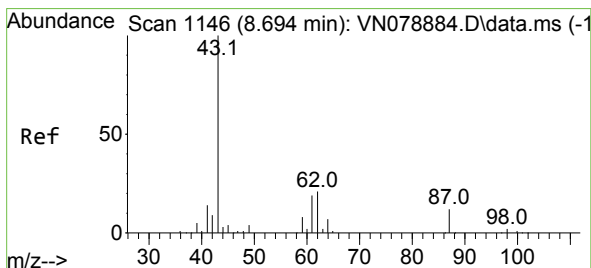
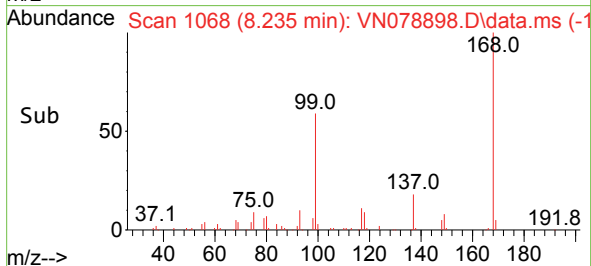
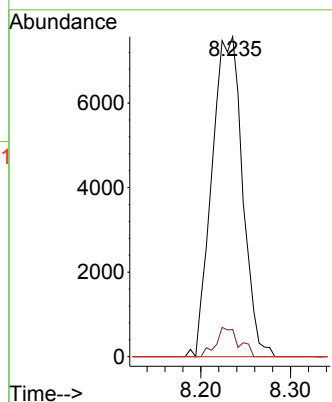


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

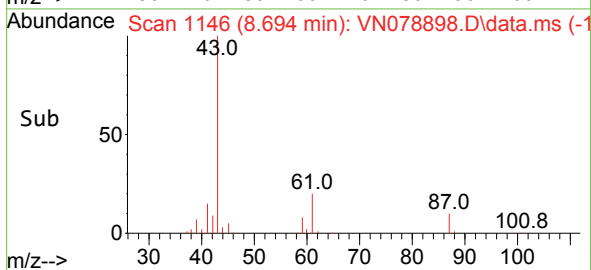
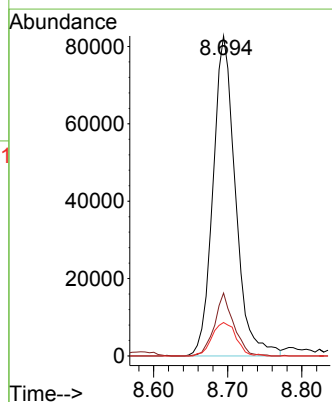
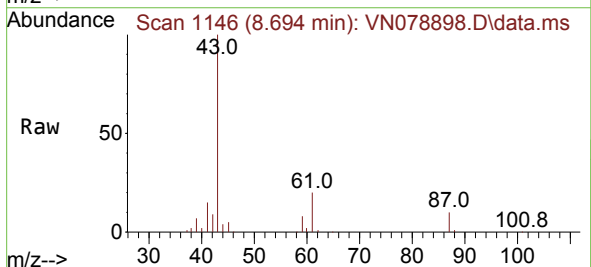


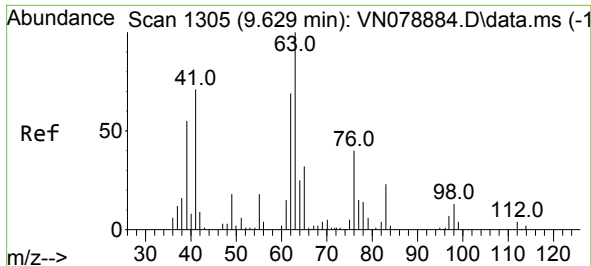
Tgt Ion:117 Resp: 17917
Ion Ratio Lower Upper
117 100
119 8.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 29.132 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 43 Resp: 174468
Ion Ratio Lower Upper
43 100
61 16.8 24.7 37.1#
87 11.3 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.864 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Instrument :

MSVOA_N

ClientSampleId :

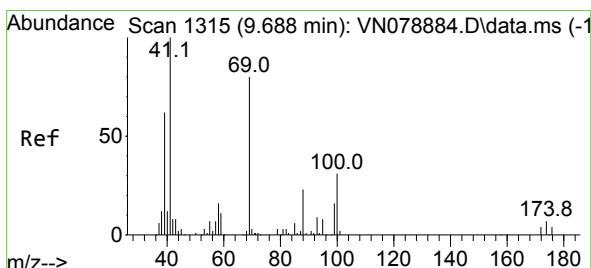
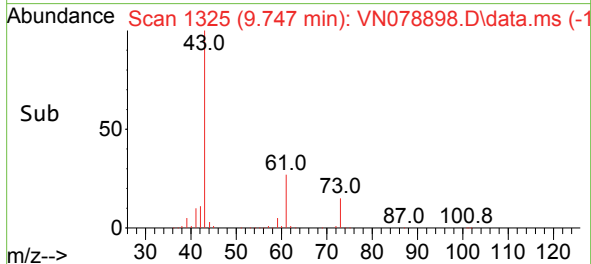
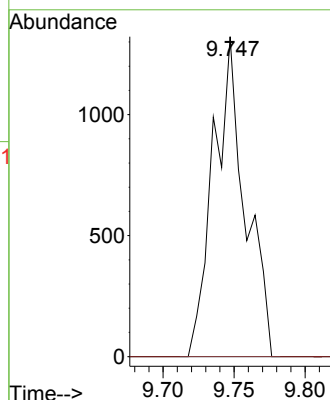
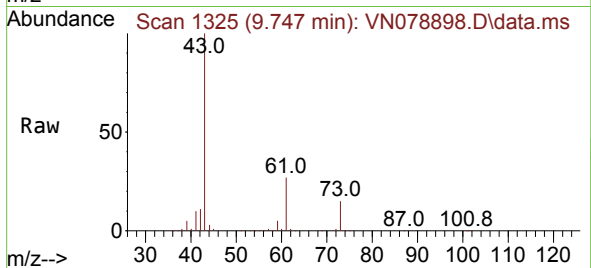
PB154855ZHE#01

Tgt Ion: 63 Resp: 2060

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 2.386 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

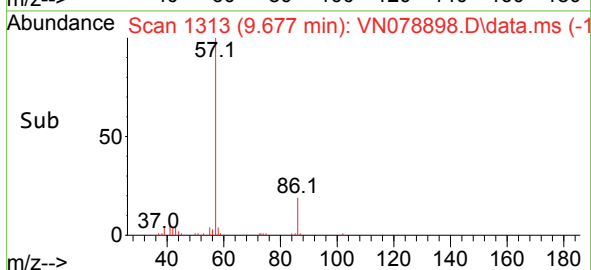
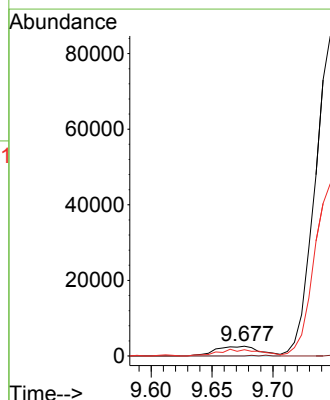
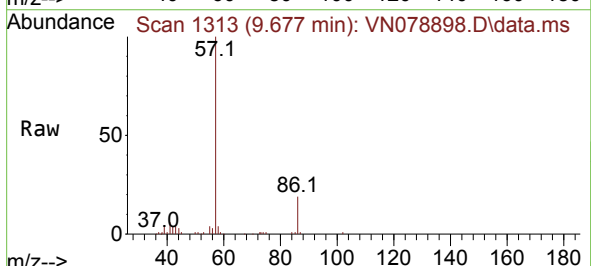
Tgt Ion: 41 Resp: 6474

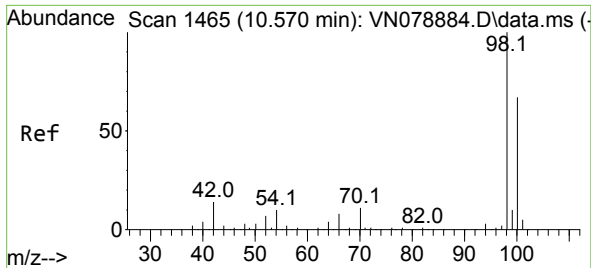
Ion Ratio Lower Upper

41 100

69 0.9 90.4 135.6#

39 65.6 54.6 81.8

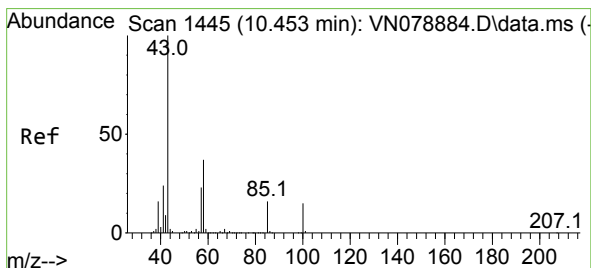
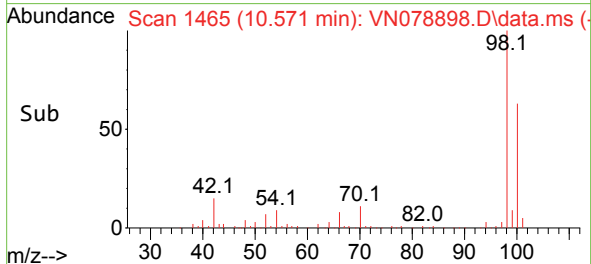
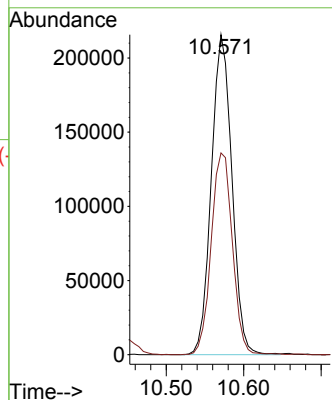
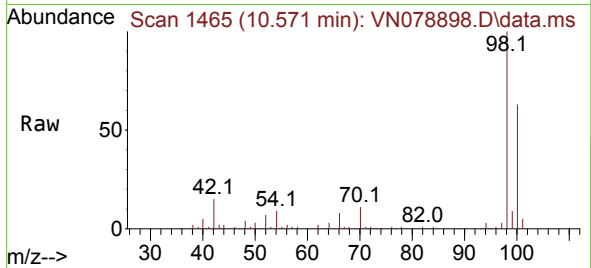




#50
Toluene-d8
Concen: 53.204 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

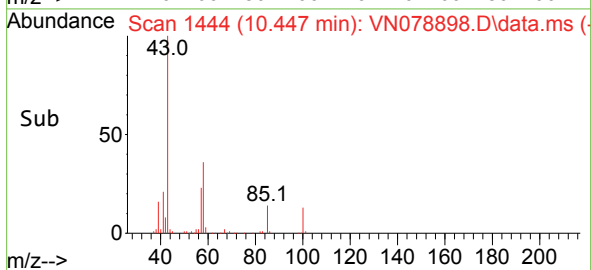
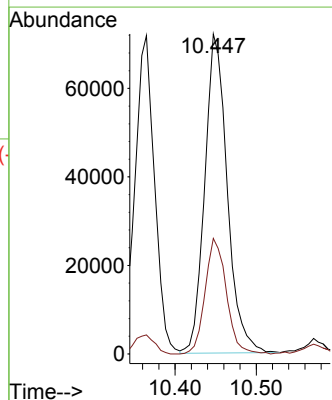
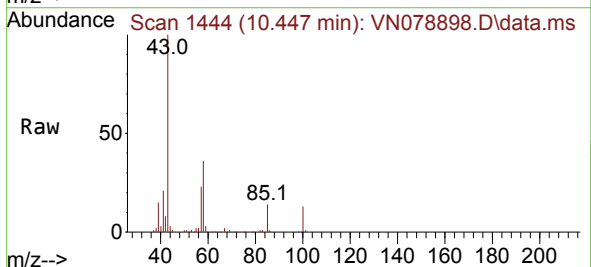
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

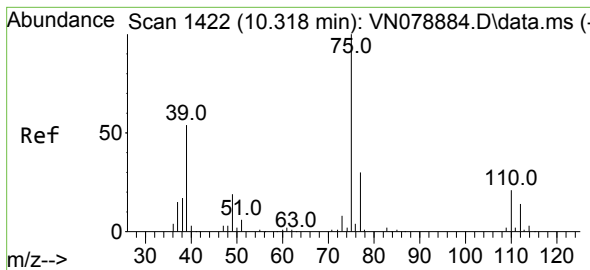
Tgt Ion: 98 Resp: 397715
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 39.072 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 43 Resp: 138783
Ion Ratio Lower Upper
43 100
58 34.2 36.6 54.8#

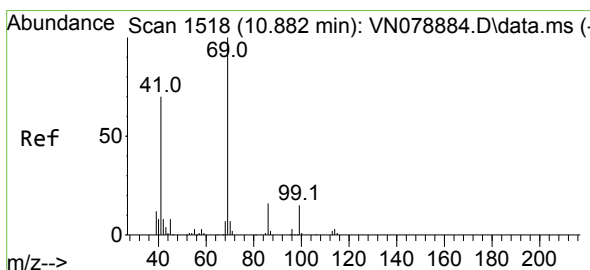
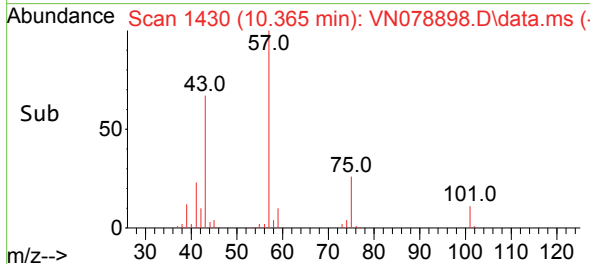
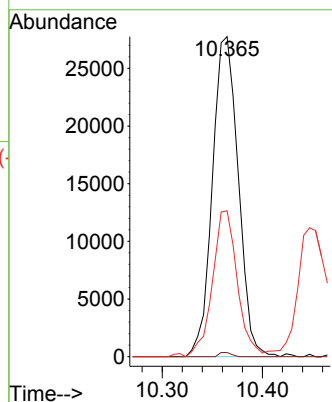
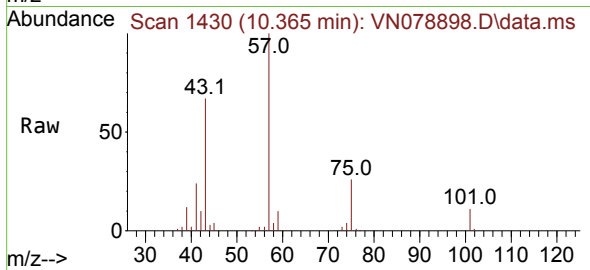




#54
 cis-1,3-Dichloropropene
 Concen: 13.183 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078898.D
 Acq: 16 Aug 2023 13:16

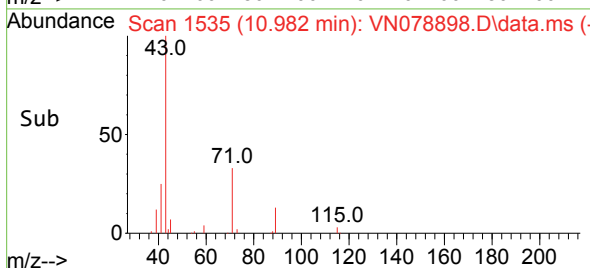
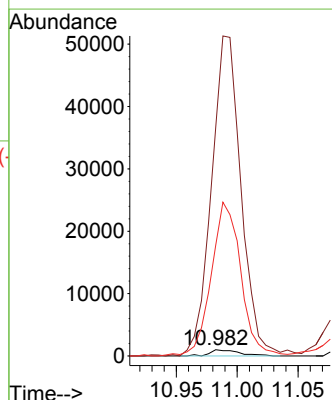
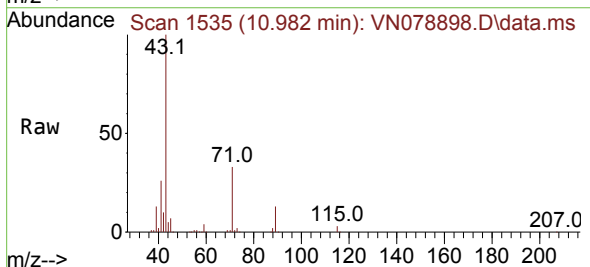
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#01

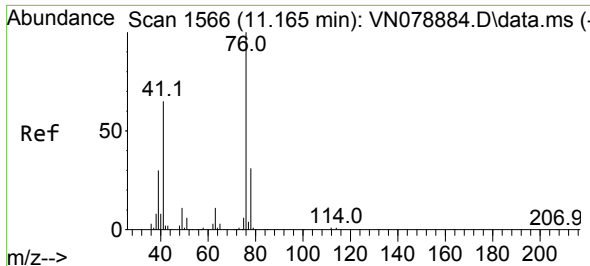
Tgt Ion: 75 Resp: 49701
 Ion Ratio Lower Upper
 75 100
 77 1.3 26.1 39.1#
 39 44.7 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.493 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.105 min
 Lab File: VN078898.D
 Acq: 16 Aug 2023 13:16

Tgt Ion: 69 Resp: 1683
 Ion Ratio Lower Upper
 69 100
 41 5189.3 39.6 59.4#
 39 2477.6 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.720 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Instrument :

MSVOA_N

ClientSampleId :

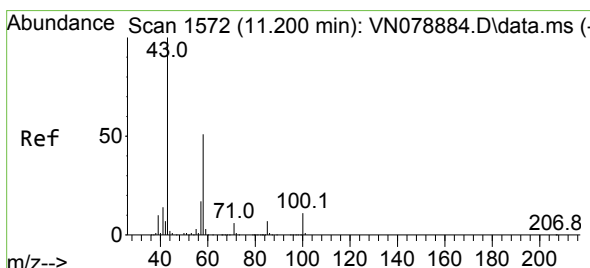
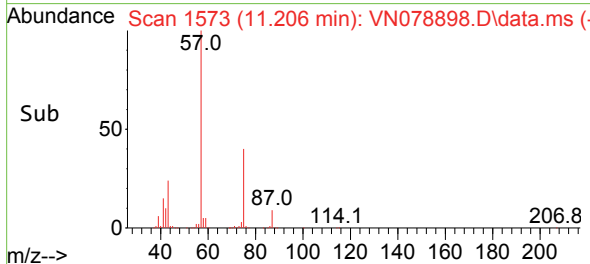
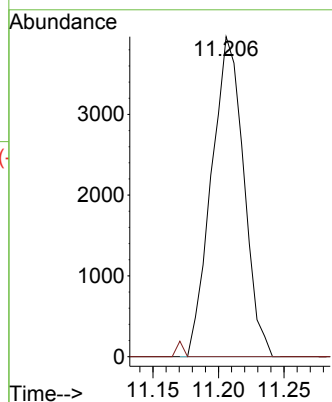
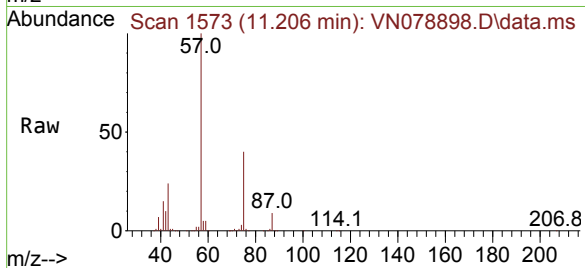
PB154855ZHE#01

Tgt Ion: 76 Resp: 6779

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.383 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078898.D

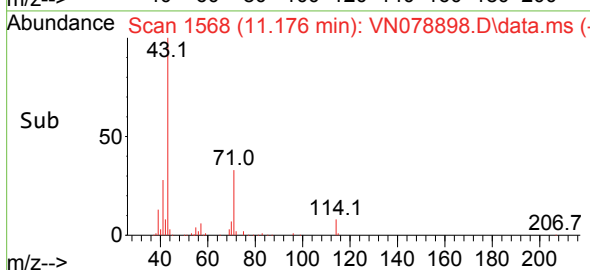
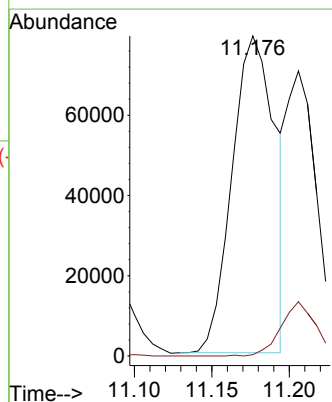
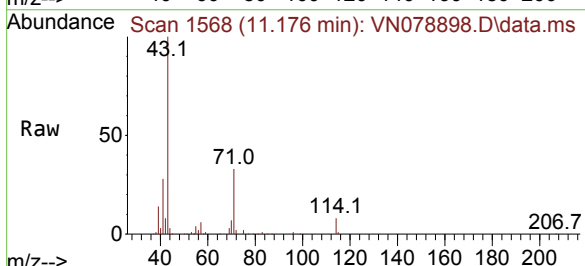
Acq: 16 Aug 2023 13:16

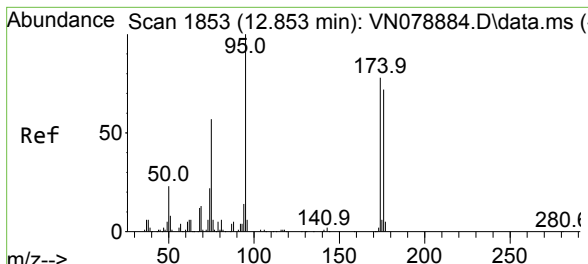
Tgt Ion: 43 Resp: 152775

Ion Ratio Lower Upper

43 100

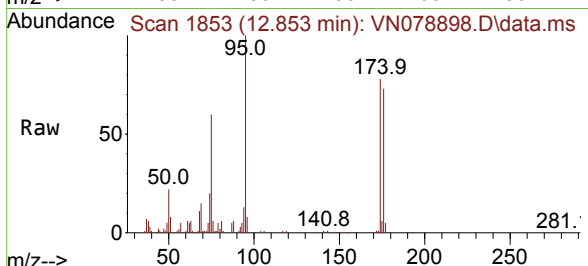
58 0.0 31.7 95.1#



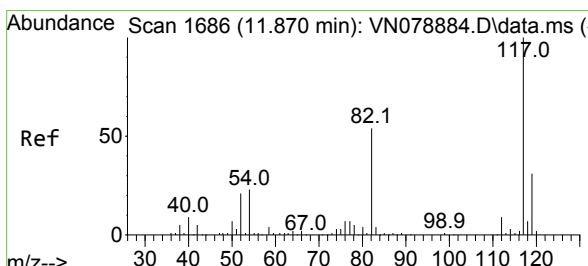
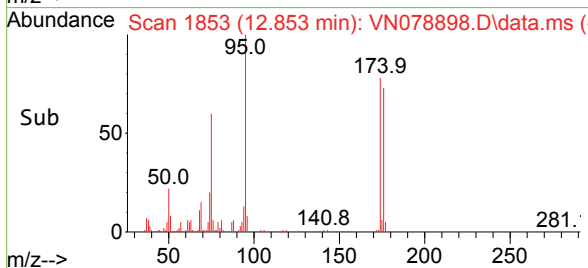
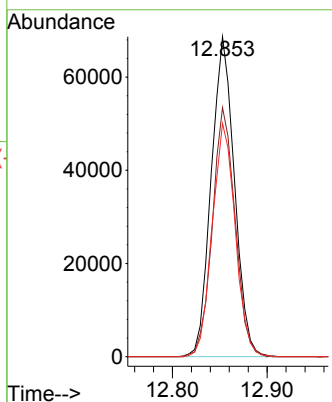


#62
4-Bromofluorobenzene
Concen: 47.883 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

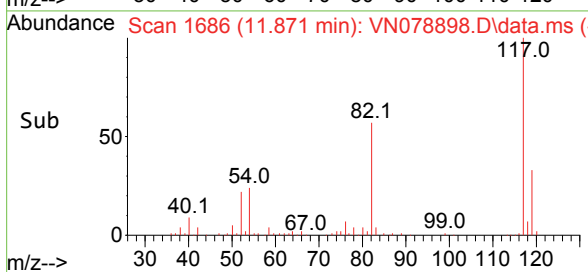
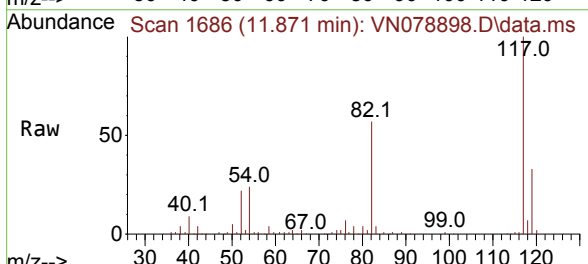
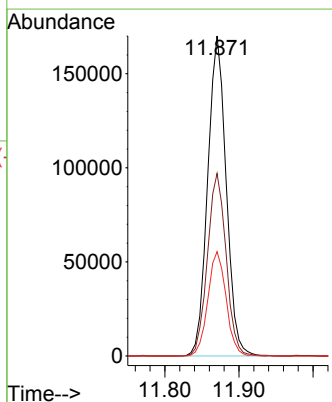


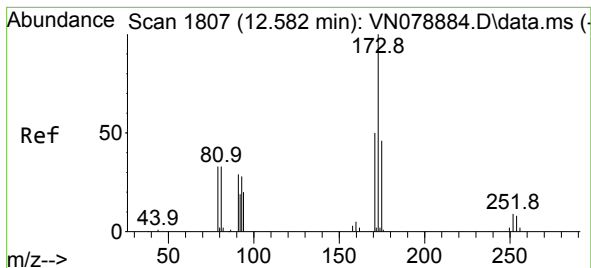
Tgt Ion:	95	Resp:	116996
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	143.8
176	72.2	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion:	117	Resp:	294985
Ion Ratio	Lower	Upper	
117	100		
82	57.1	44.0	66.0
119	32.6	25.6	38.4





#71

Bromoform

Concen: 0.520 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#01

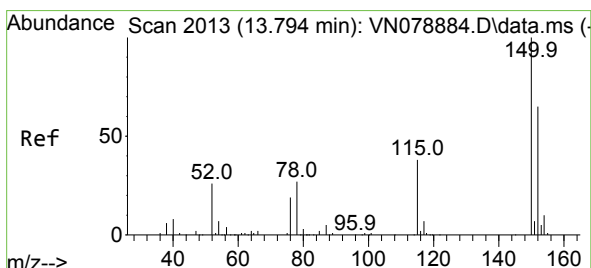
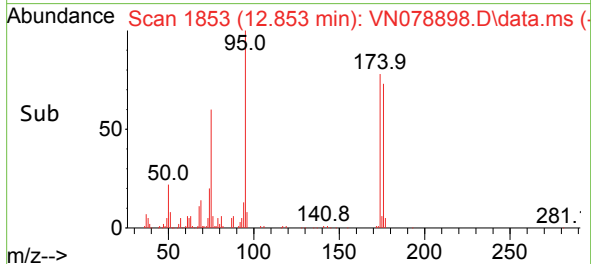
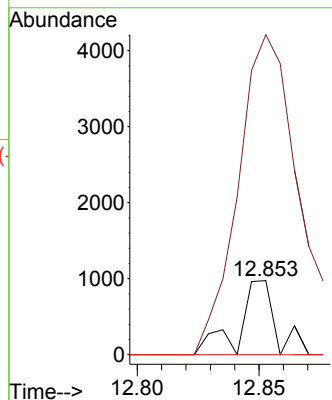
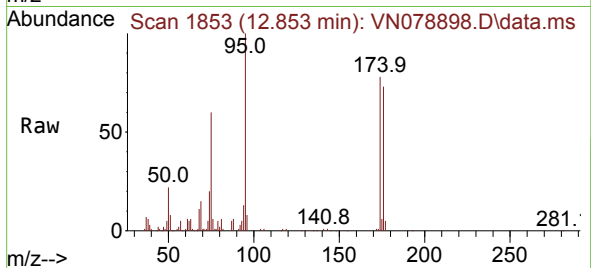
Tgt Ion:173 Resp: 897

Ion Ratio Lower Upper

173 100

175 602.7 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN078898.D

Acq: 16 Aug 2023 13:16

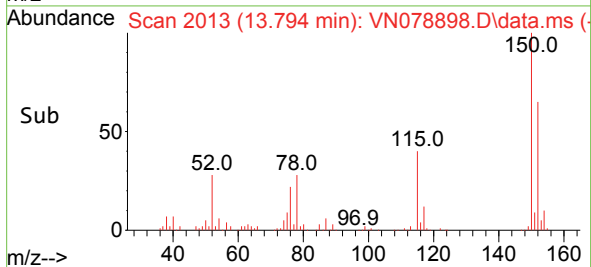
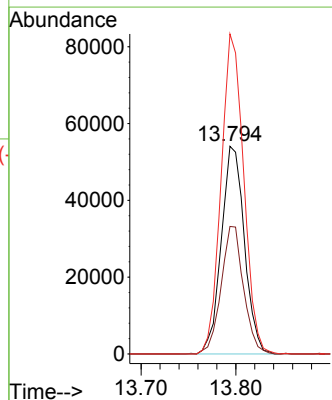
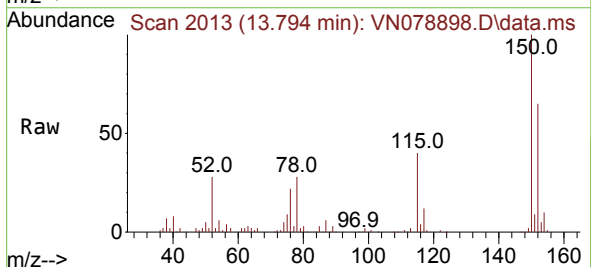
Tgt Ion:152 Resp: 91756

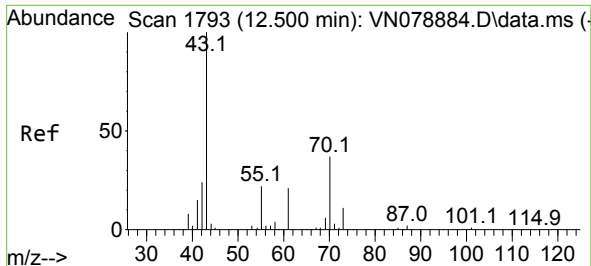
Ion Ratio Lower Upper

152 100

115 59.5 32.3 96.8

150 150.7 0.0 355.8

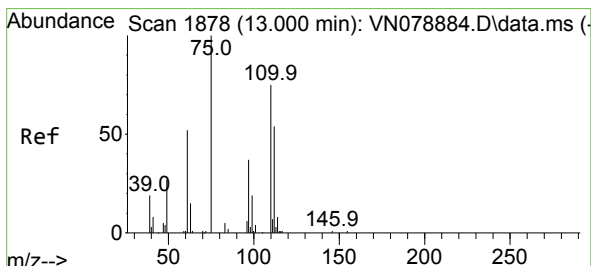
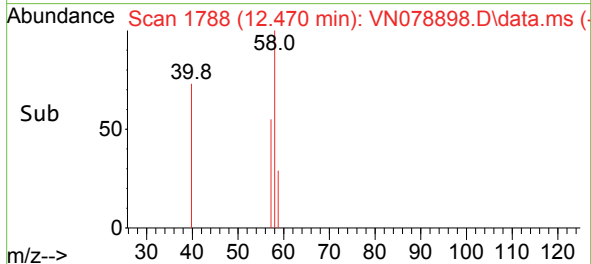
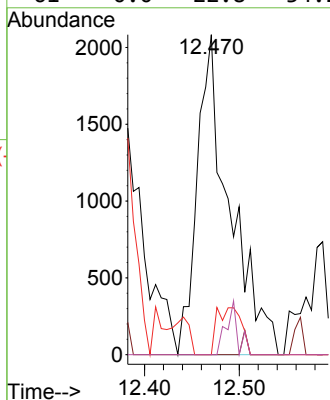
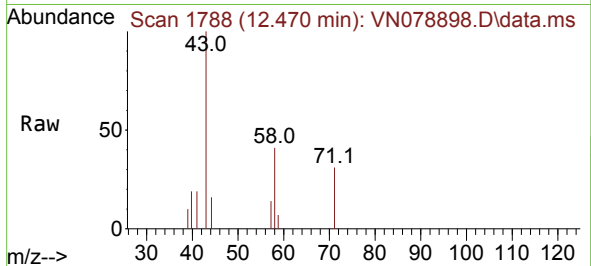




#74
N-amy1 acetate
Concen: 1.282 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.030 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

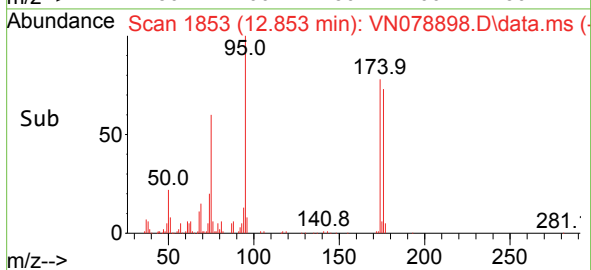
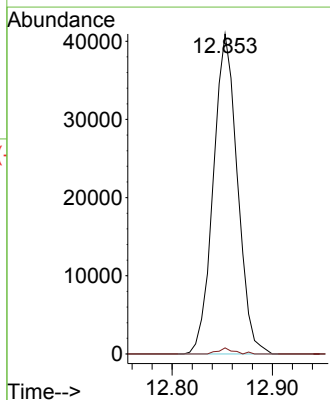
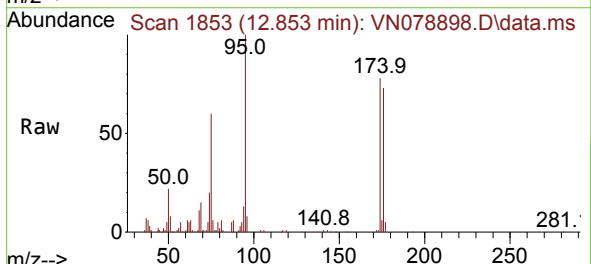
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

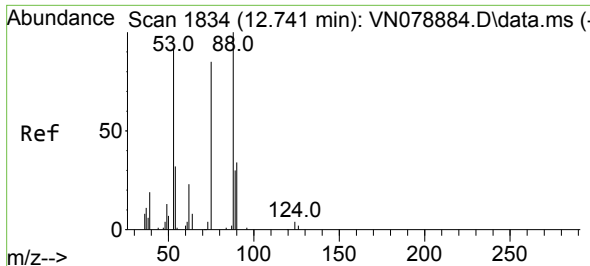
Tgt Ion:	43	Resp:	4951
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	11.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 30.980 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion:	75	Resp:	68492
Ion	Ratio	Lower	Upper
75	100		
77	1.2	84.5	253.5#

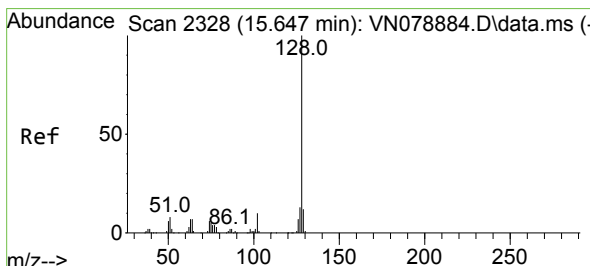
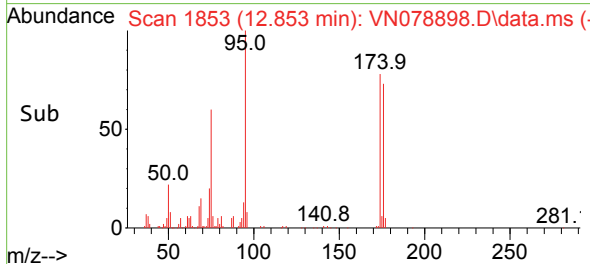
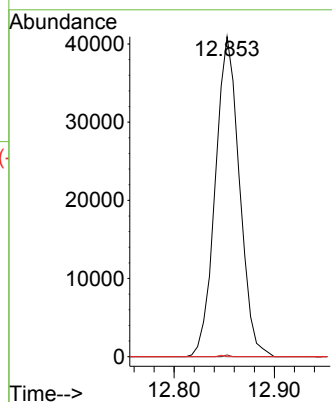
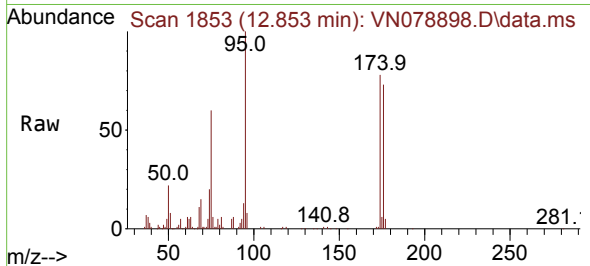




#81
trans-1,4-Dichloro-2-butene
Concen: 79.139 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#01

Tgt Ion: 75 Resp: 68492
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 2.791 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078898.D
Acq: 16 Aug 2023 13:16

Tgt Ion: 128 Resp: 965
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

