

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078850.D
 Acq On : 10 Aug 2023 20:22
 Operator : JC\MD
 Sample : 03931-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:57:26 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)

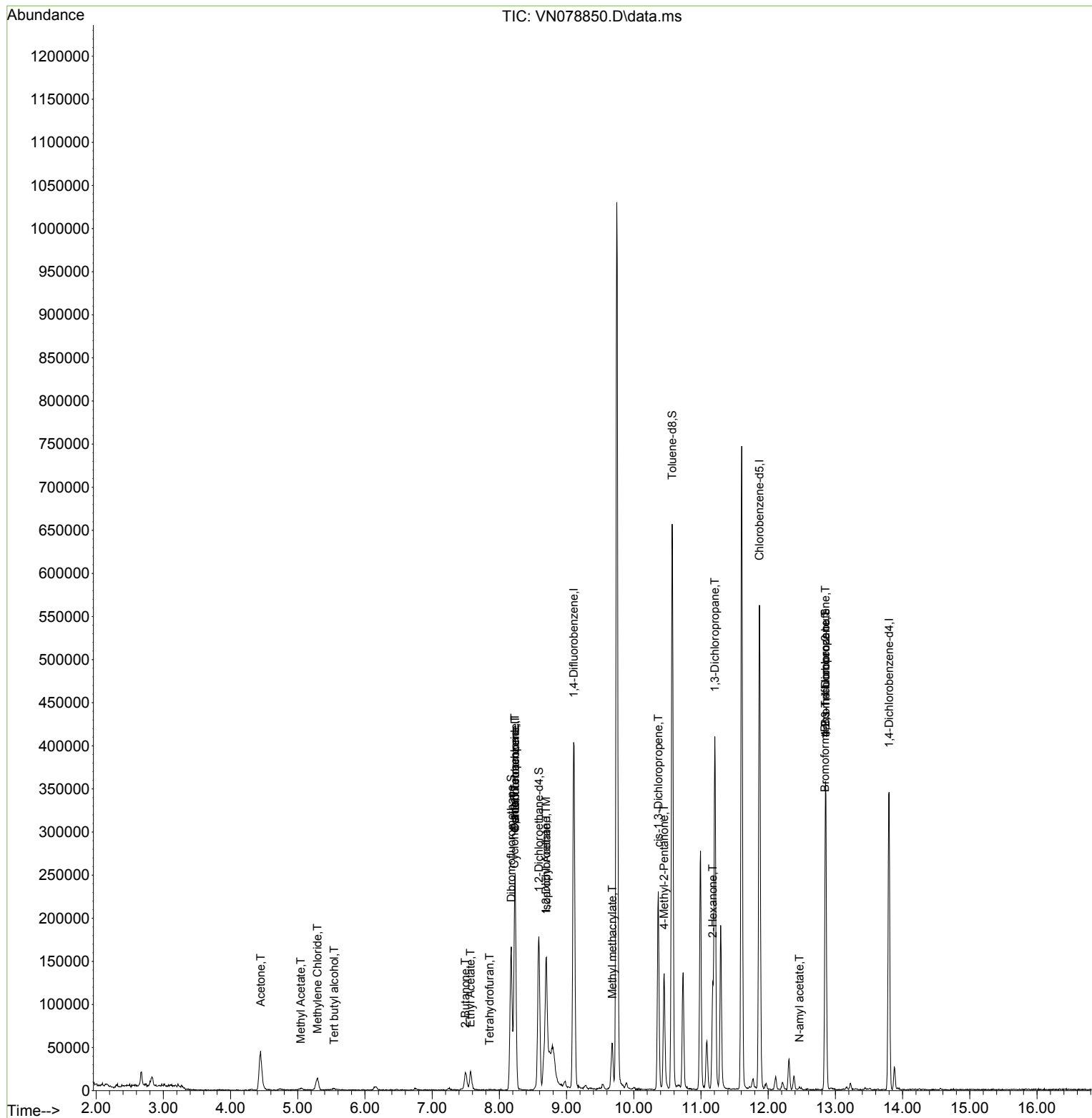
Internal Standards						
1) Pentafluorobenzene	8.235	168	170422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	313434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	87961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	140086	54.831	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.660%	
35) Dibromofluoromethane	8.177	113	113626	49.252	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	10.571	98	425290	50.094	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.853	95	117644	46.366	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	1903	4.244	ug/l #	72
16) Acetone	4.447	43	83088	84.524	ug/l	94
18) Methyl Acetate	5.047	43	4998	1.132	ug/l #	49
20) Methylene Chloride	5.294	84	9164	3.764	ug/l #	62
25) 2-Butanone	7.494	43	35626	21.402	ug/l #	72
29) Tetrahydrofuran	7.853	42	373	0.335	ug/l #	32
31) Cyclohexane	8.224	56	5329	1.420	ug/l #	54
36) 1,1-Dichloropropene	8.235	75	16156	4.514	ug/l #	49
37) Ethyl Acetate	7.571	43	31643	8.315	ug/l #	92
38) Carbon Tetrachloride	8.230	117	18852	5.109	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	850	0.218	ug/l #	73
43) Isopropyl Acetate	8.700	43	223635	34.856	ug/l #	68
48) Methyl methacrylate	9.682	41	3861	1.302	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	98153	24.976	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	36551	8.565	ug/l #	73
57) 1,3-Dichloropropane	11.206	76	4611	1.009	ug/l #	42
59) 2-Hexanone	11.176	43	103188	37.082	ug/l #	19
71) Bromoform	12.847	173	463	0.240	ug/l #	1
74) N-amyl acetate	12.465	43	1791	0.456	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	67565	28.410	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67565	76.235	ug/l #	15

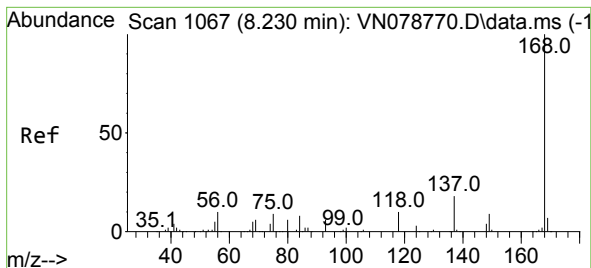
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 08 05:03:52 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

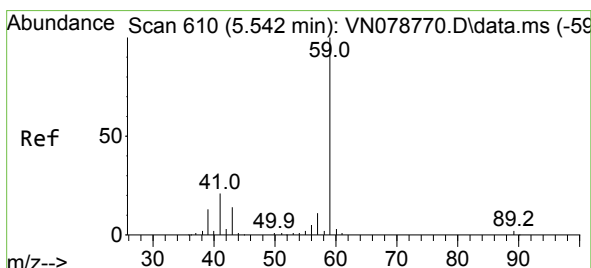
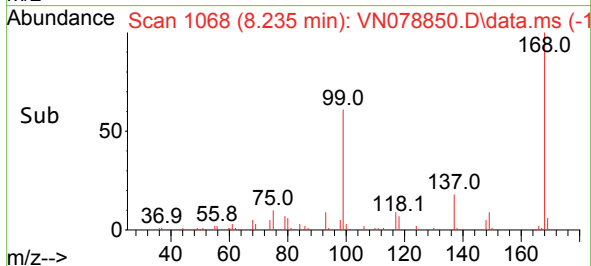
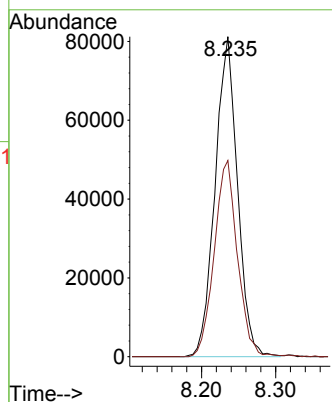
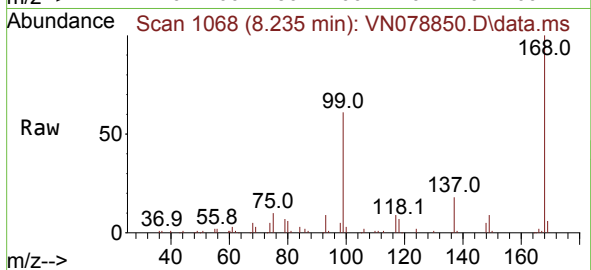
ClientSampleId :

Tgt Ion:168 Resp: 170422

Ion Ratio Lower Upper

168 100

99 61.3 53.0 79.6



#11

Tert butyl alcohol

Concen: 4.244 ug/l

RT: 5.542 min Scan# 610

Delta R.T. -0.000 min

Lab File: VN078850.D

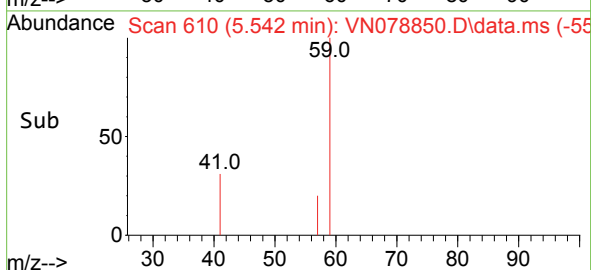
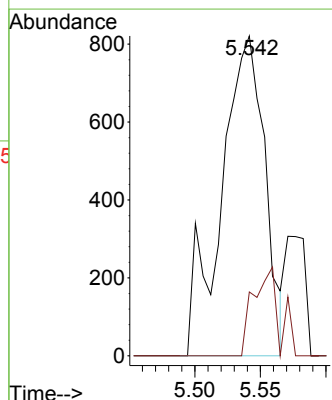
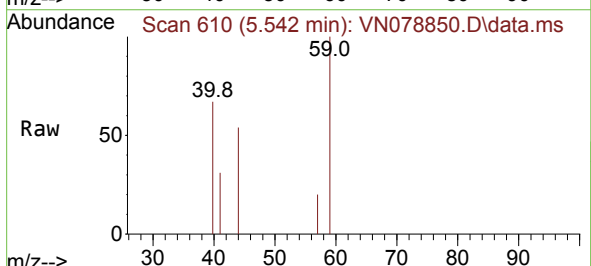
Acq: 10 Aug 2023 20:22

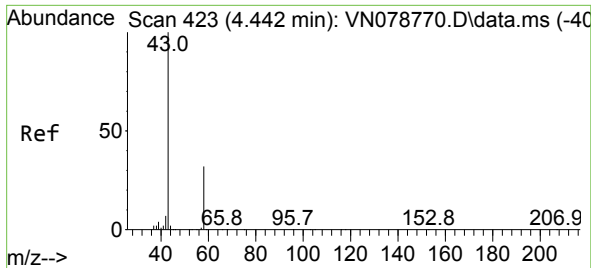
Tgt Ion: 59 Resp: 1903

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

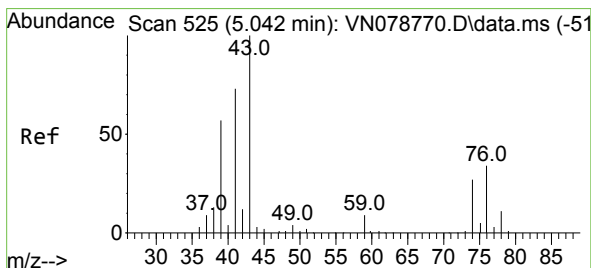
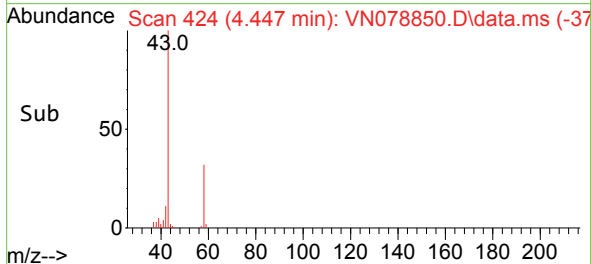
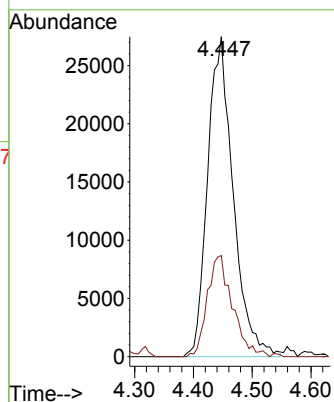
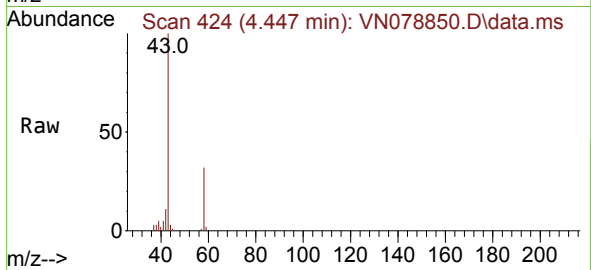




#16
Acetone
Concen: 84.524 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

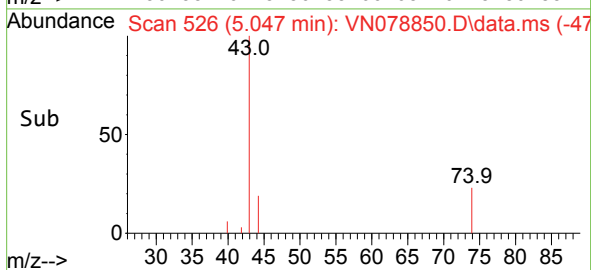
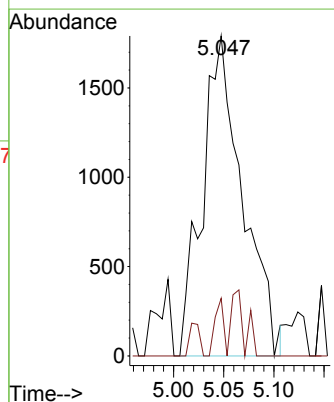
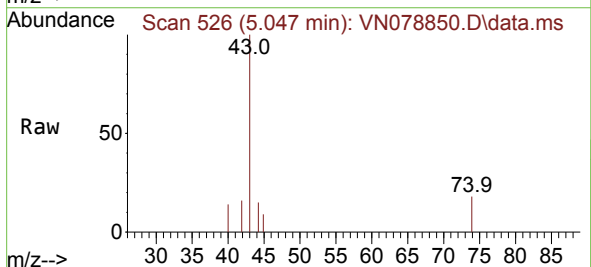
Instrument :
MSVOA_N
ClientSampleId :

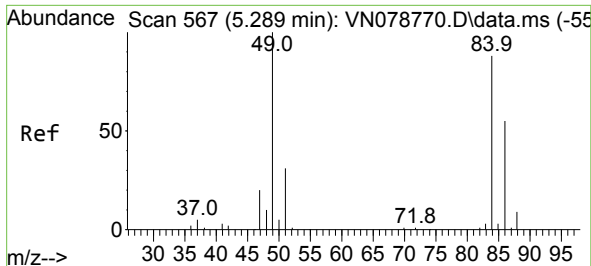
Tgt Ion: 43 Resp: 83088
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0



#18
Methyl Acetate
Concen: 1.132 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

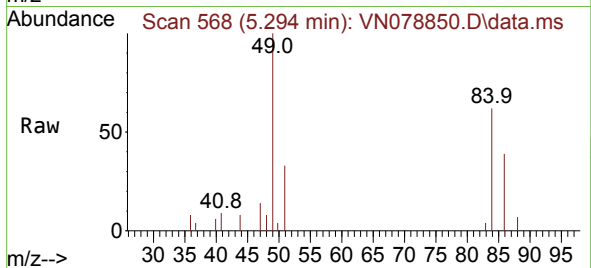
Tgt Ion: 43 Resp: 4998
Ion Ratio Lower Upper
43 100
74 3.8 26.2 39.4#



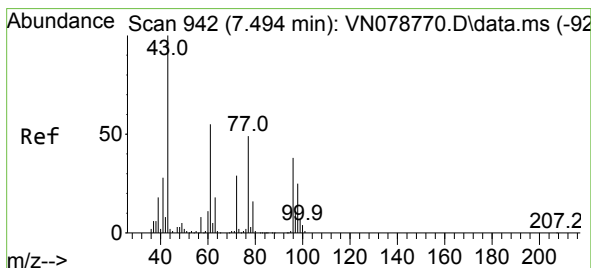
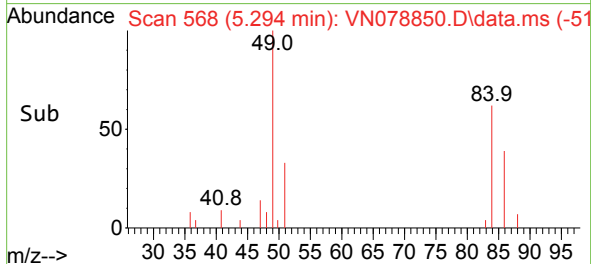
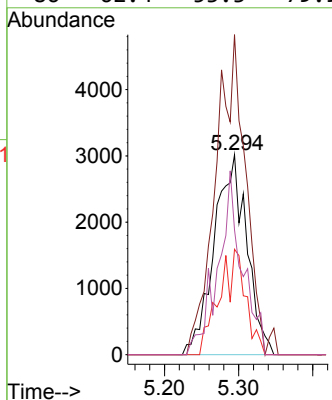


#20
Methylene Chloride
Concen: 3.764 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Instrument :
MSVOA_N
ClientSampleId :

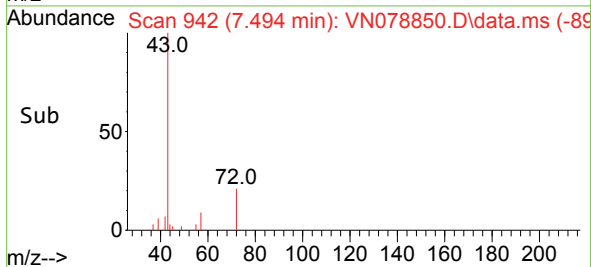
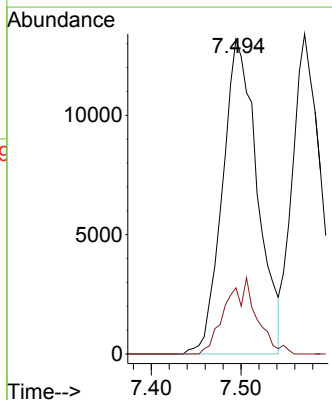
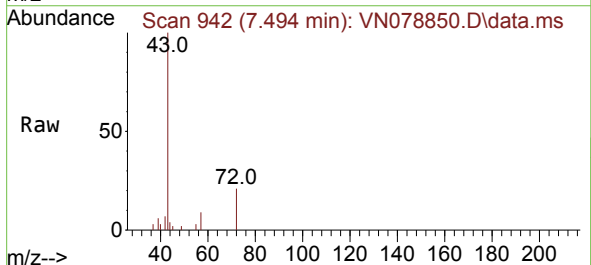


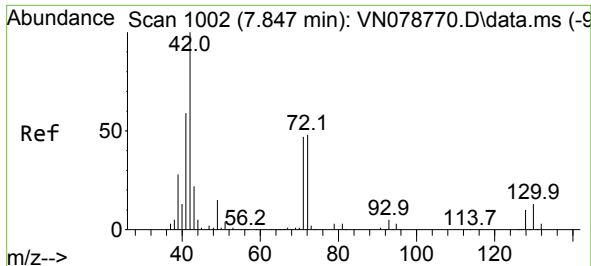
Tgt Ion: 84 Resp: 9164
Ion Ratio Lower Upper
84 100
49 160.0 79.7 119.5#
51 52.7 25.2 37.8#
86 62.4 53.3 79.9



#25
2-Butanone
Concen: 21.402 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Tgt Ion: 43 Resp: 35626
Ion Ratio Lower Upper
43 100
72 21.0 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.335 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

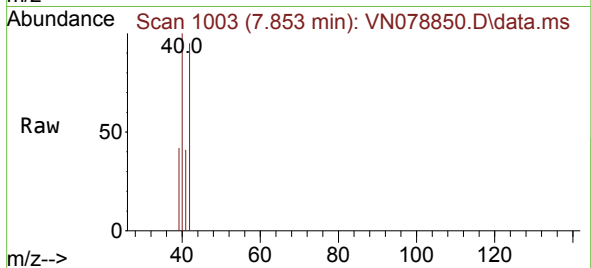
Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

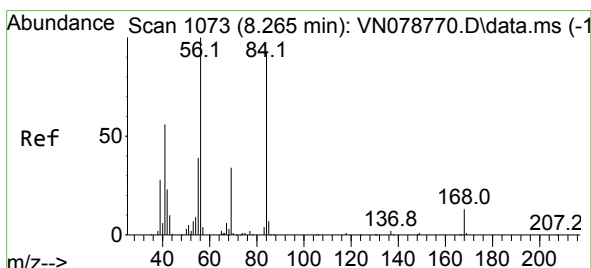
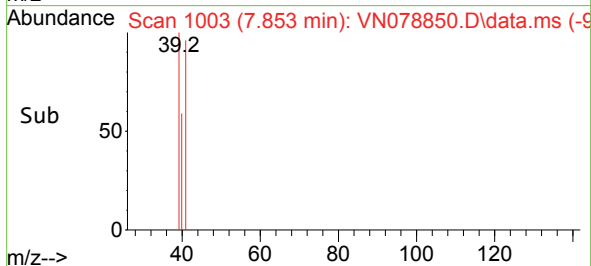
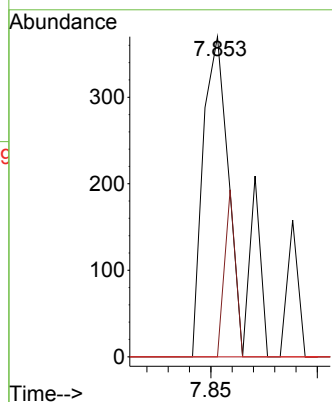
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	373
Ion Ratio	Lower	Upper	
42	100		
72	18.2	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.420 ug/l

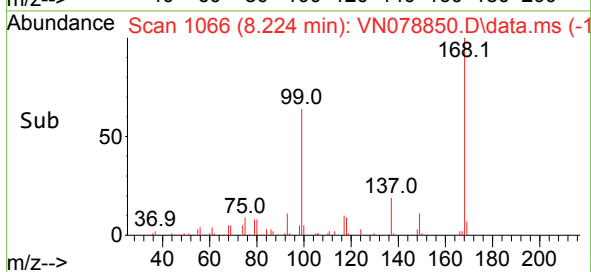
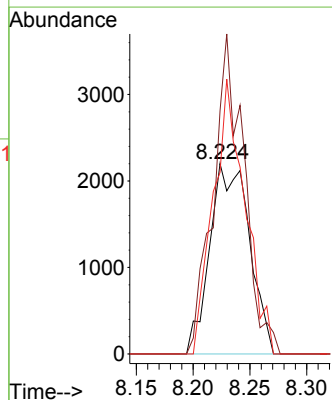
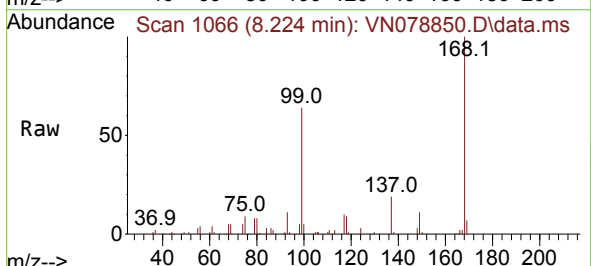
RT: 8.224 min Scan# 1066

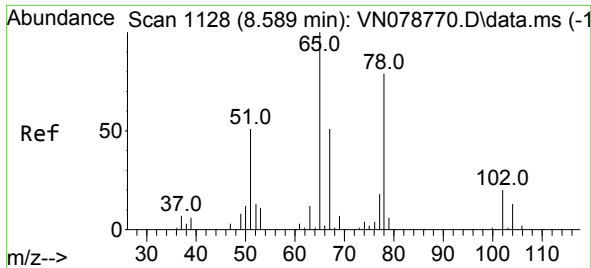
Delta R.T. -0.041 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Tgt Ion:	56	Resp:	5329
Ion Ratio	Lower	Upper	
56	100		
69	127.8	26.8	40.2#
84	95.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 54.831 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

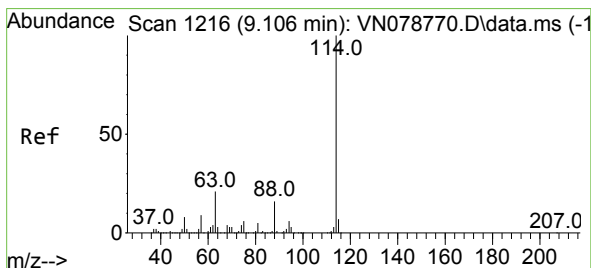
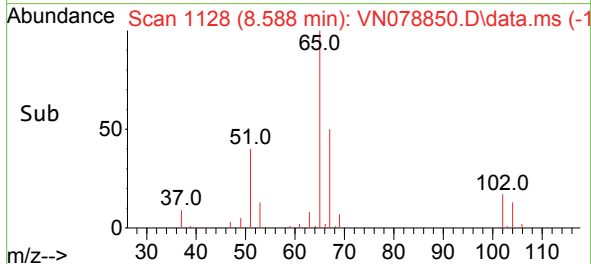
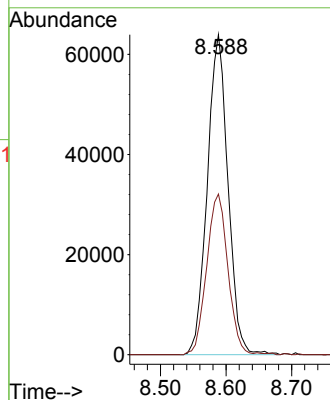
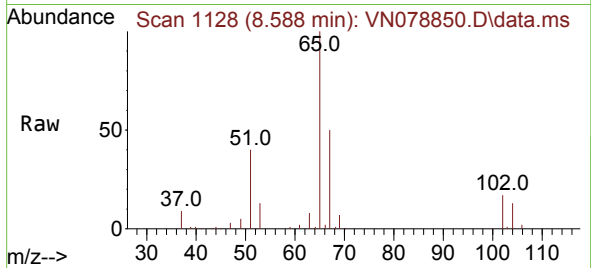
ClientSampleId :

Tgt Ion: 65 Resp: 140086

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# 1216

Delta R.T. -0.000 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

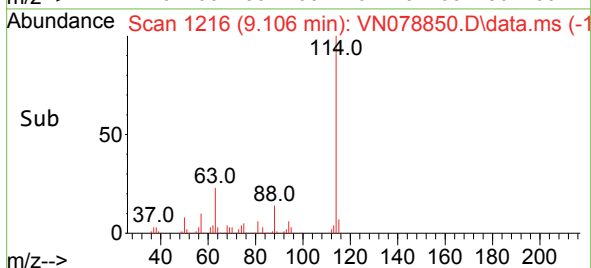
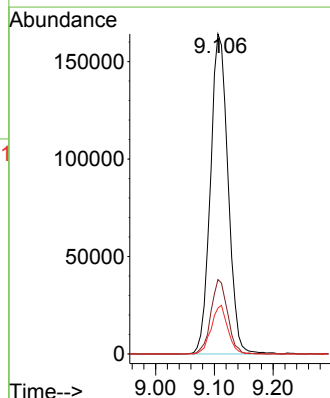
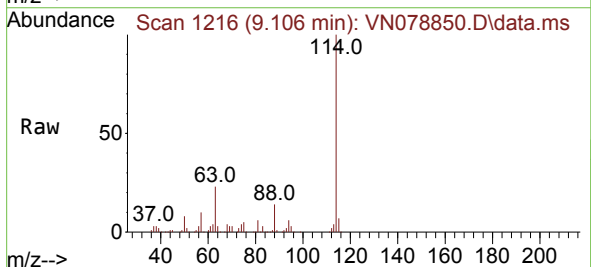
Tgt Ion: 114 Resp: 341626

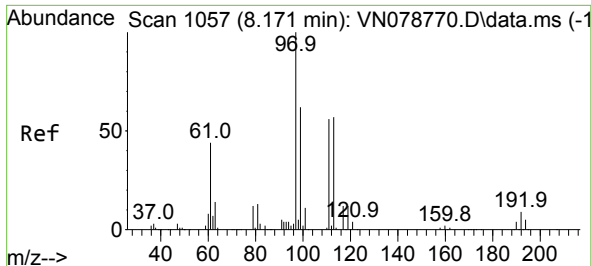
Ion Ratio Lower Upper

114 100

63 23.3 0.0 36.4

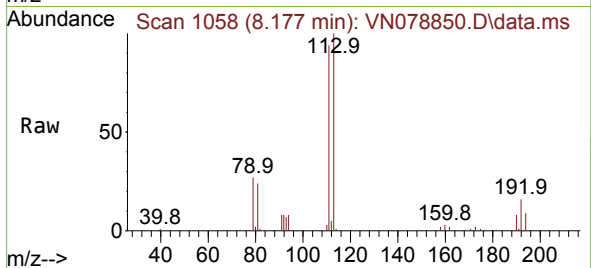
88 14.4 0.0 30.6



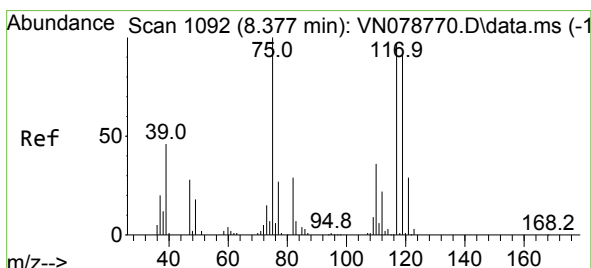
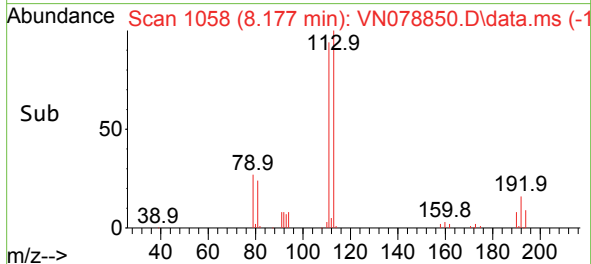
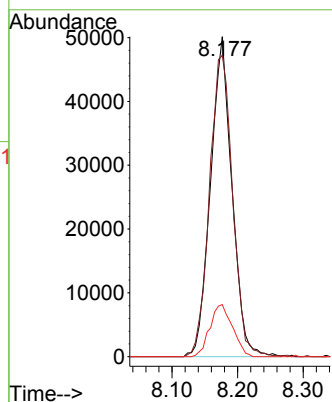


#35
 Dibromofluoromethane
 Concen: 49.252 ug/l
 RT: 8.177 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN078850.D
 Acq: 10 Aug 2023 20:22

Instrument :
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 ClientSampleId :

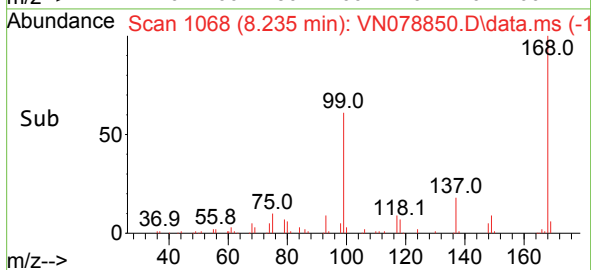
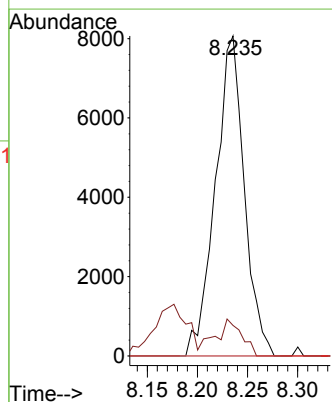
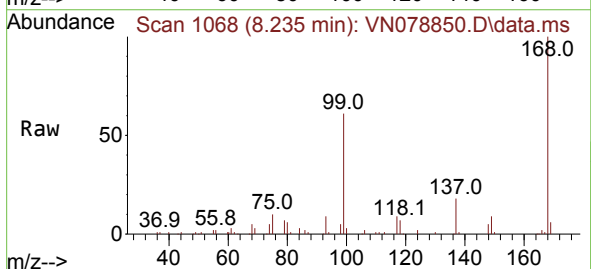


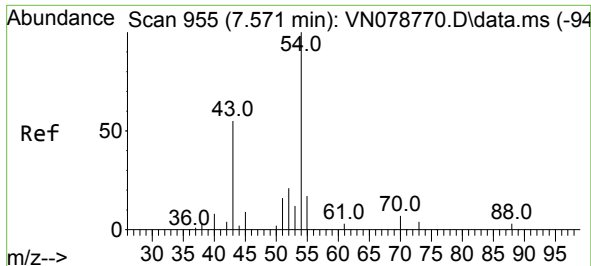
Tgt Ion: 113 Resp: 113626
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.6 123.8
 192 17.3 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.514 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078850.D
 Acq: 10 Aug 2023 20:22

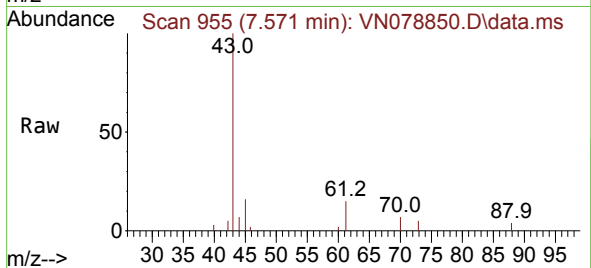
Tgt Ion: 75 Resp: 16156
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.3#
 77 0.0 25.0 37.4#



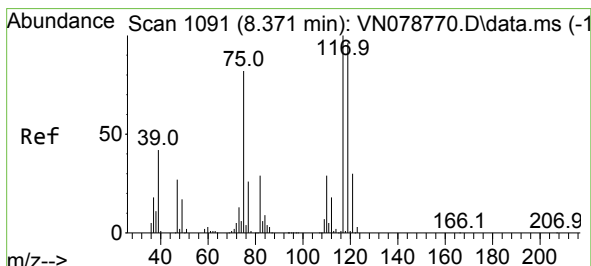
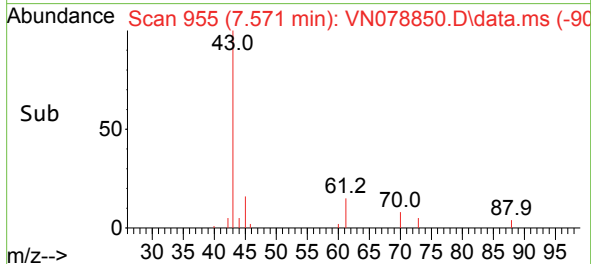
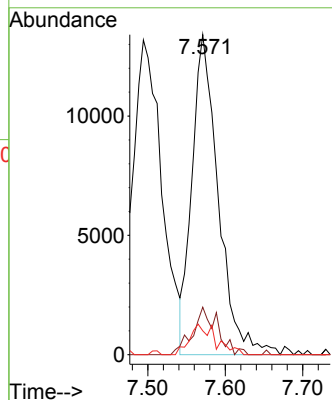


#37
Ethyl Acetate
Concen: 8.315 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Instrument :
MSVOA_N
ClientSampleId :

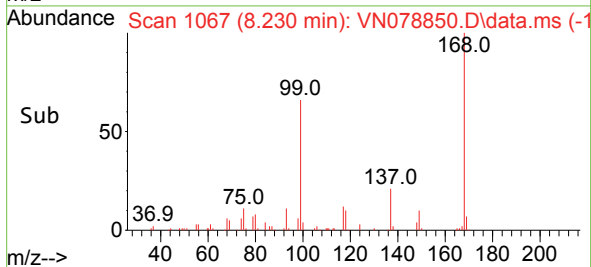
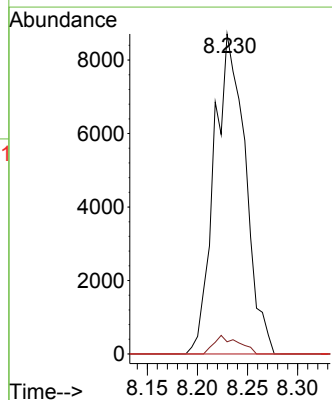
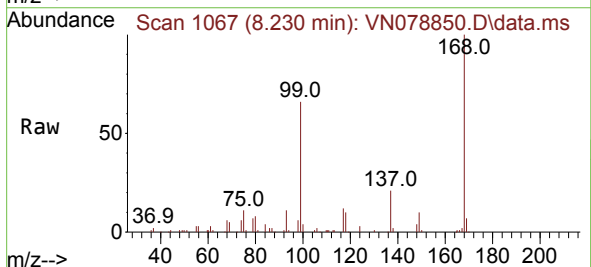


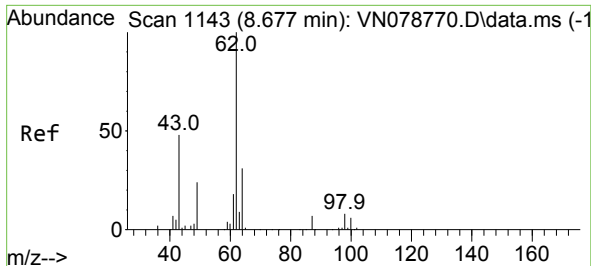
Tgt Ion: 43 Resp: 31643
Ion Ratio Lower Upper
43 100
61 14.1 13.2 19.8
70 9.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.109 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Tgt Ion: 117 Resp: 18852
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

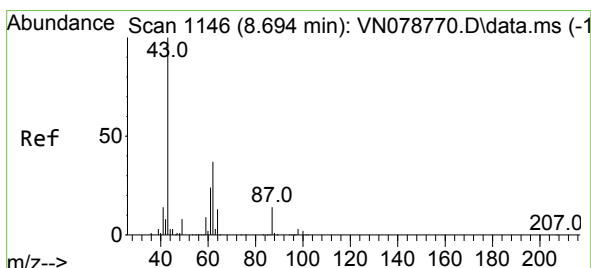
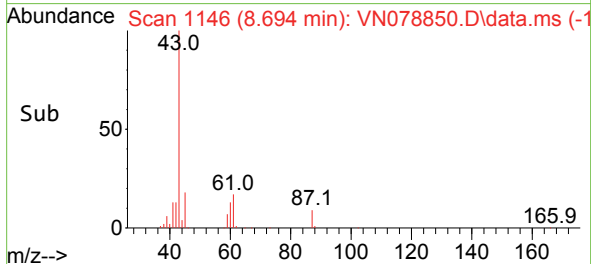
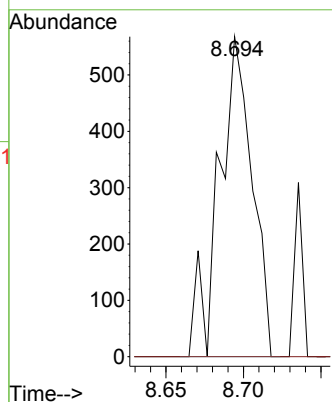
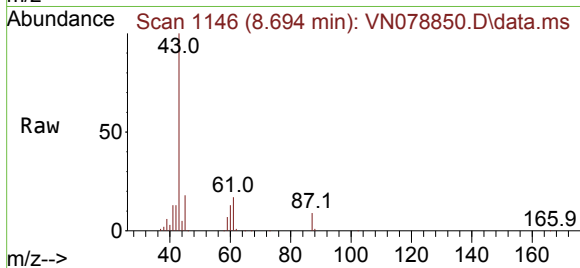
ClientSampleId :

Tgt Ion: 62 Resp: 850

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 34.856 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

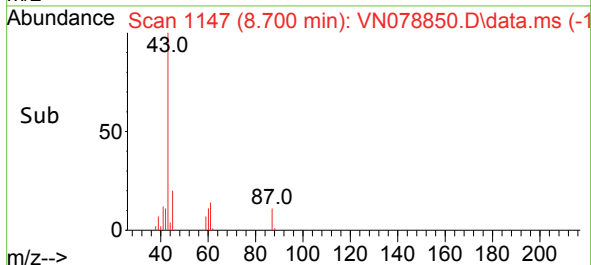
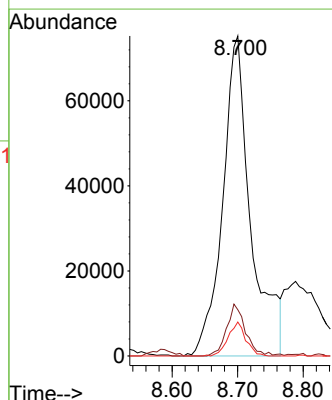
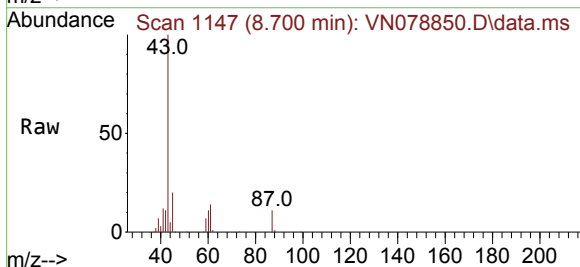
Tgt Ion: 43 Resp: 223635

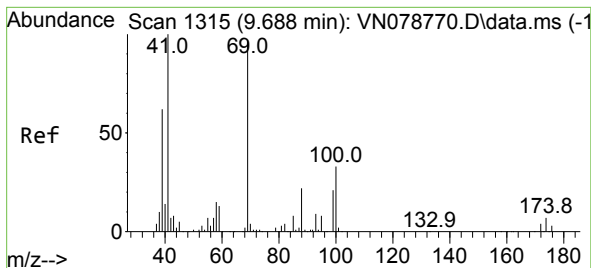
Ion Ratio Lower Upper

43 100

61 11.0 24.7 37.1#

87 6.7 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.302 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

ClientSampleId :

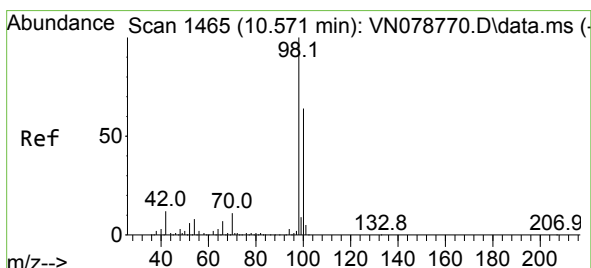
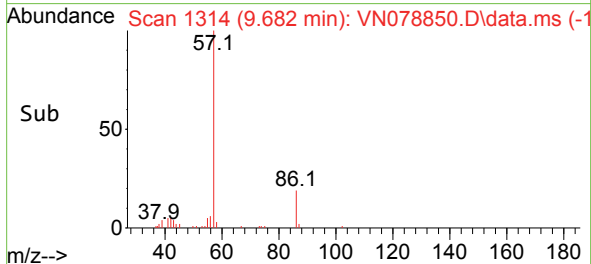
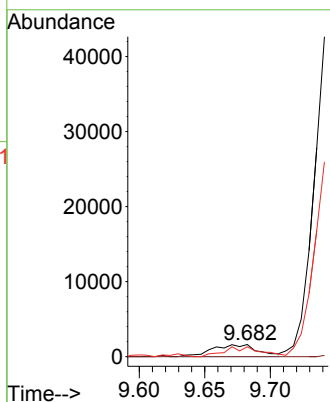
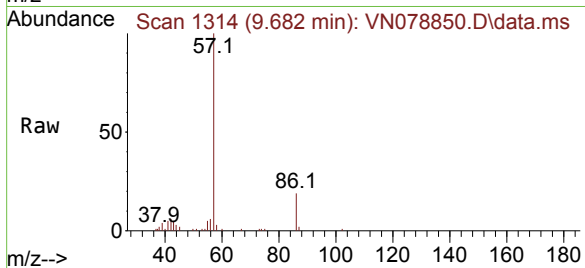
Tgt Ion: 41 Resp: 3861

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 66.6 54.6 81.8



#50

Toluene-d8

Concen: 50.094 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078850.D

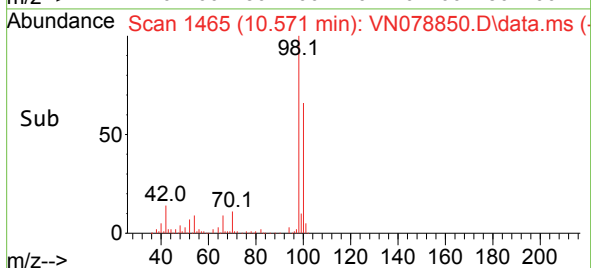
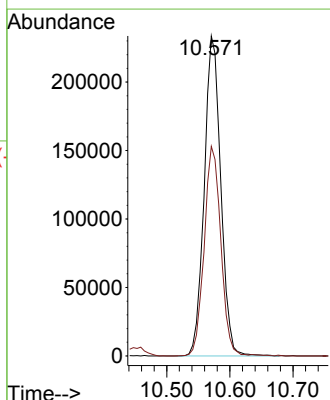
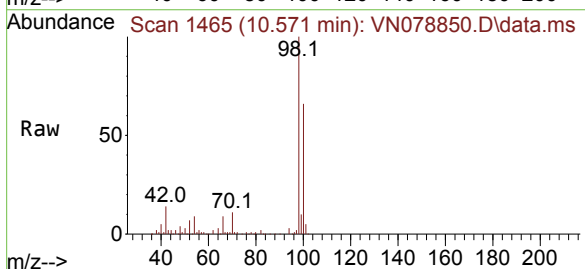
Acq: 10 Aug 2023 20:22

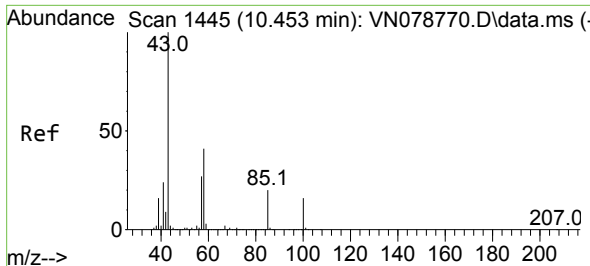
Tgt Ion: 98 Resp: 425290

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0

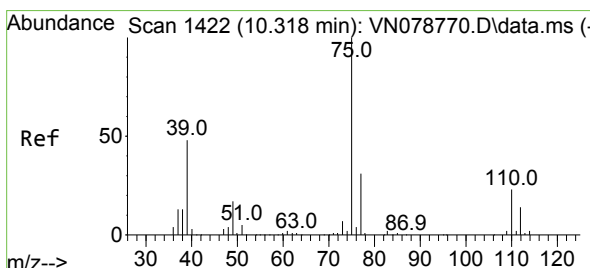
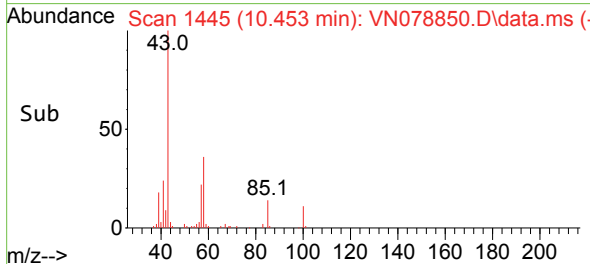
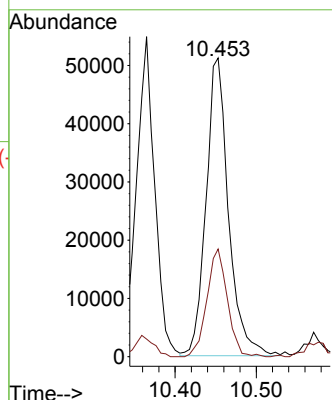
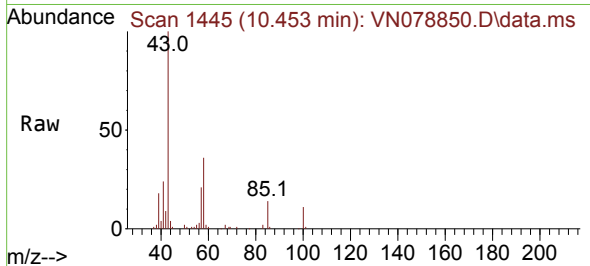




#51
4-Methyl-2-Pentanone
Concen: 24.976 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

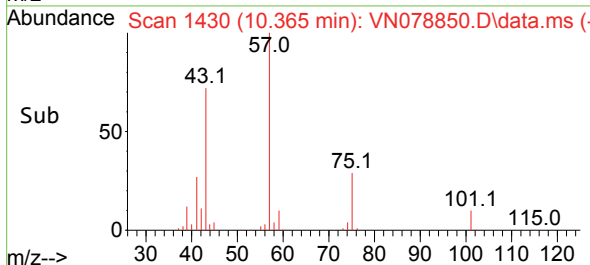
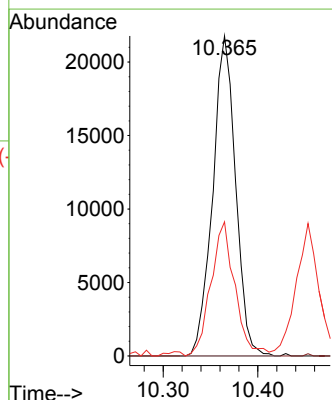
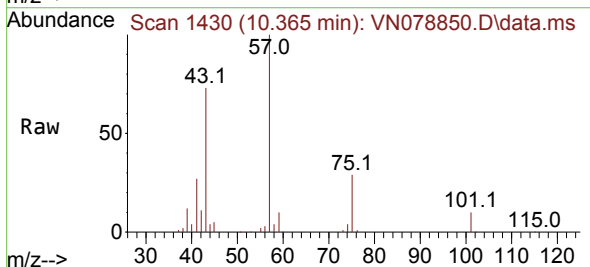
Instrument :
MSVOA_N
ClientSampleId :

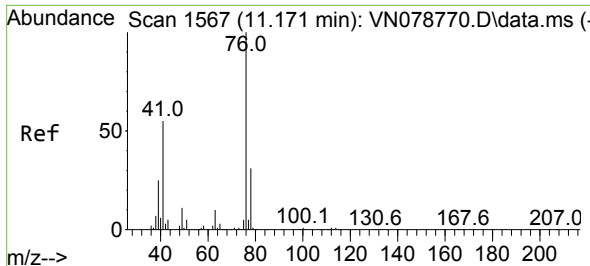
Tgt Ion: 43 Resp: 98153
Ion Ratio Lower Upper
43 100
58 33.0 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 8.565 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Tgt Ion: 75 Resp: 36551
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 40.7 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.009 ug/l

RT: 11.206 min Scan# 1568

Delta R.T. 0.035 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

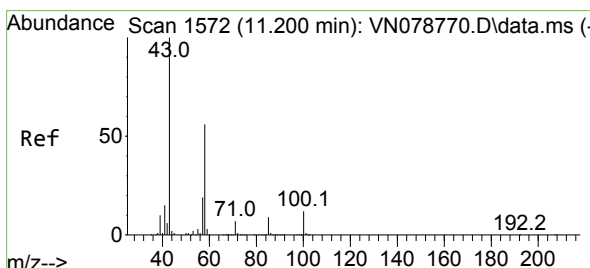
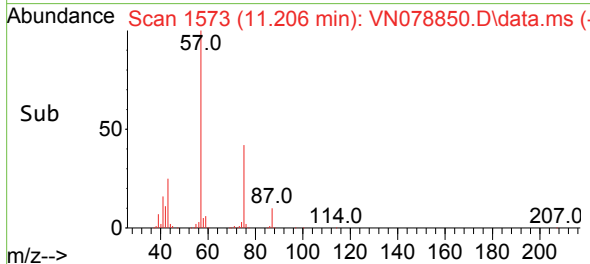
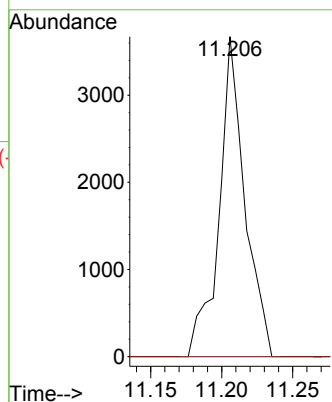
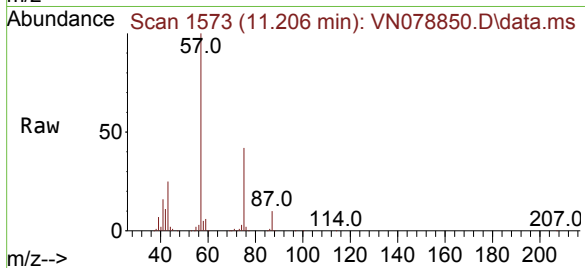
ClientSampleId :

Tgt Ion: 76 Resp: 4611

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.082 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078850.D

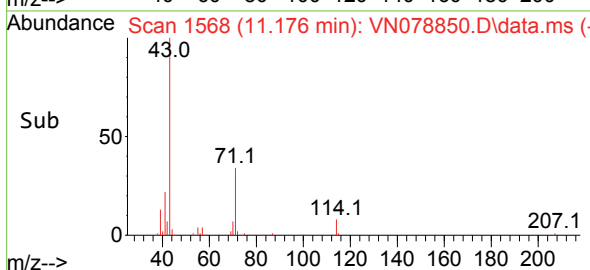
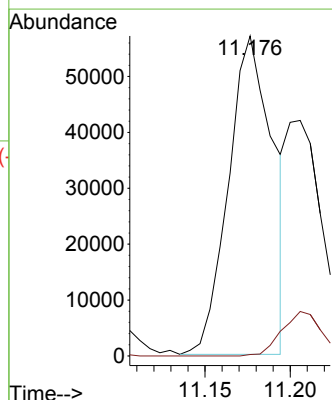
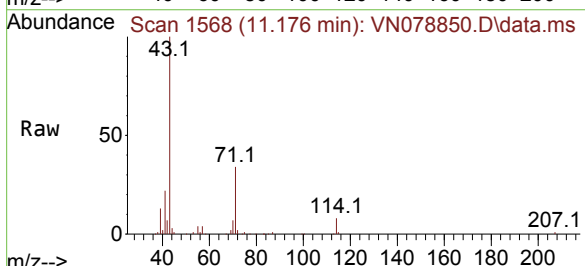
Acq: 10 Aug 2023 20:22

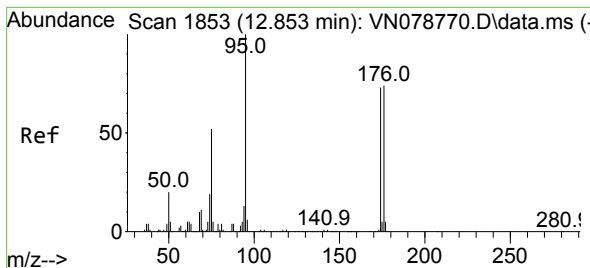
Tgt Ion: 43 Resp: 103188

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

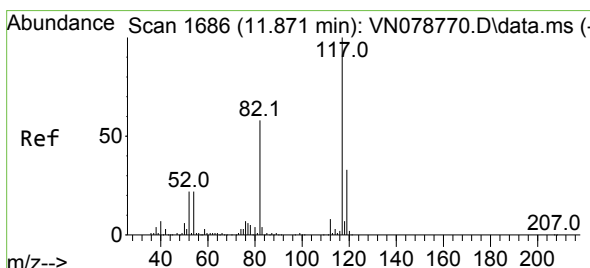
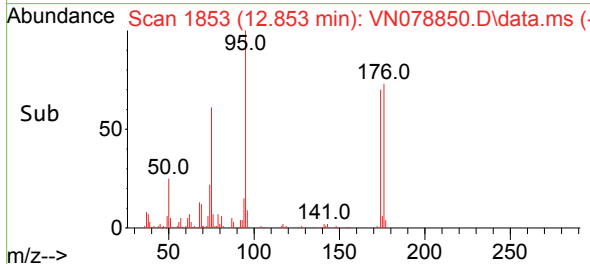
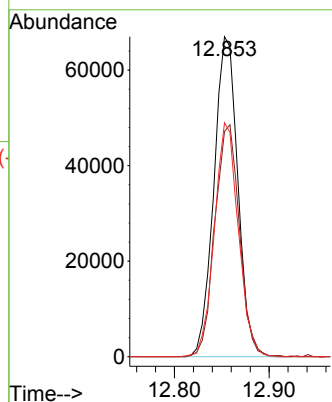
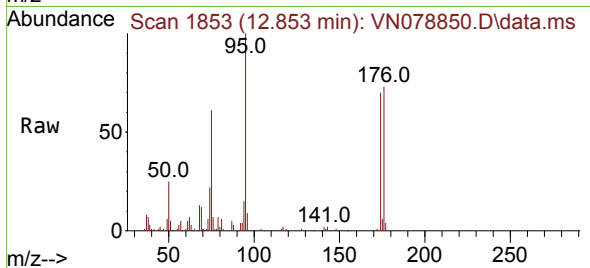




#62
4-Bromofluorobenzene
Concen: 46.366 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

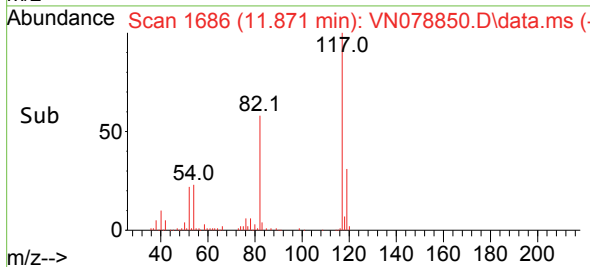
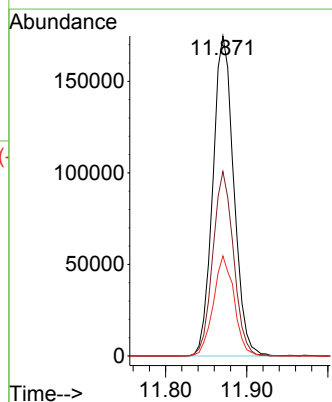
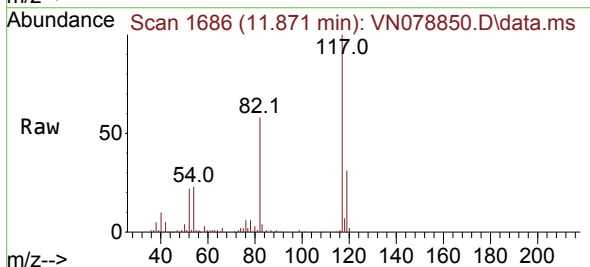
Instrument :
MSVOA_N
ClientSampleId :

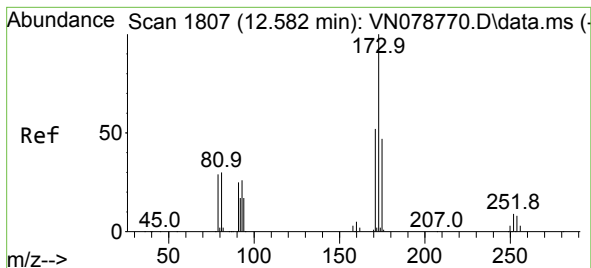
Tgt Ion: 95 Resp: 117644
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Tgt Ion: 117 Resp: 313434
Ion Ratio Lower Upper
117 100
82 57.6 44.0 66.0
119 31.3 25.6 38.4





#71

Bromoform

Concen: 0.240 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN078850.D

Acq: 10 Aug 2023 20:22

Instrument :

MSVOA_N

ClientSampleId :

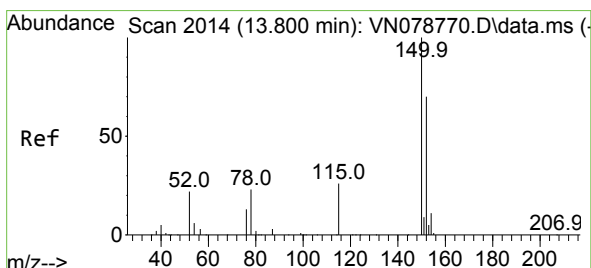
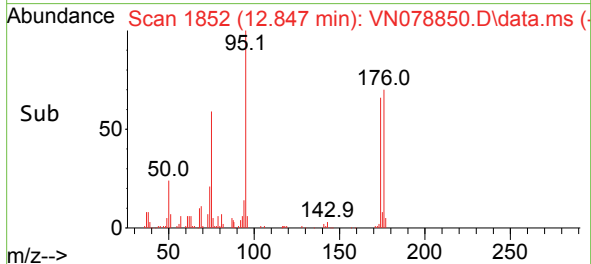
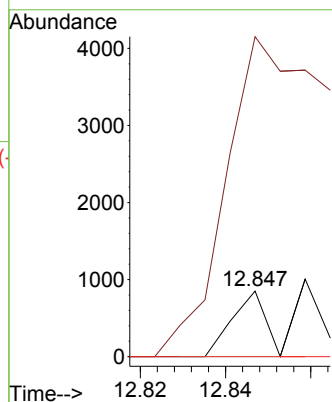
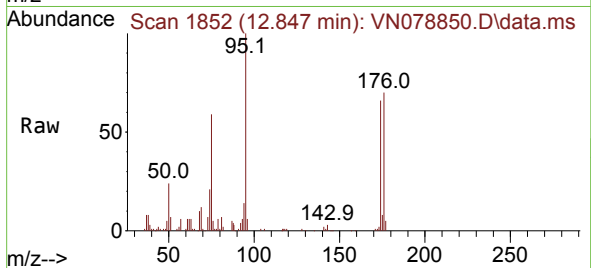
Tgt Ion:173 Resp: 463

Ion Ratio Lower Upper

173 100

175 886.8 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: VN078850.D

Acq: 10 Aug 2023 20:22

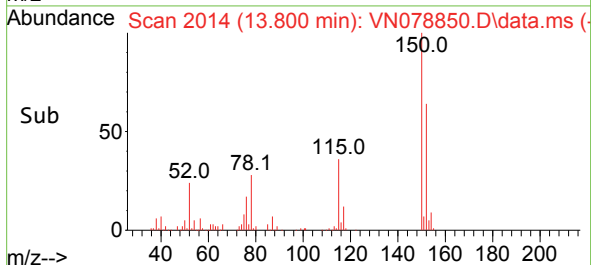
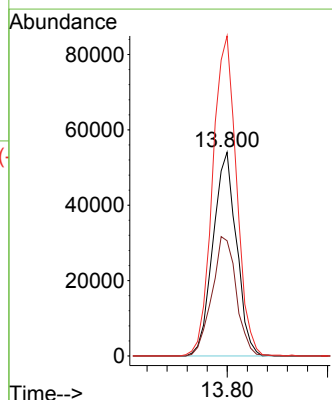
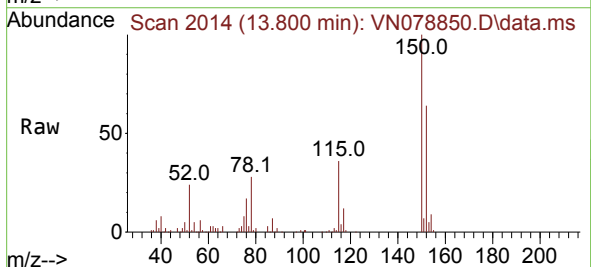
Tgt Ion:152 Resp: 87961

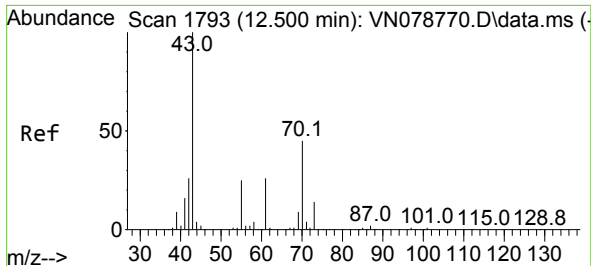
Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

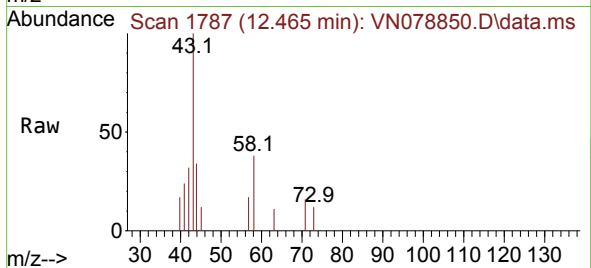
150 159.9 0.0 355.8



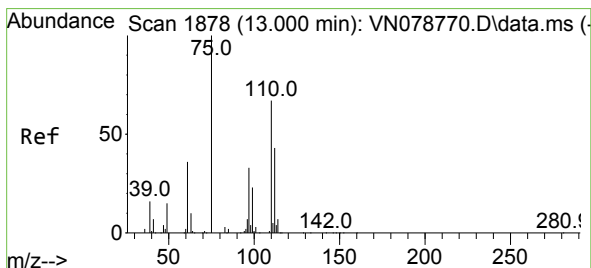
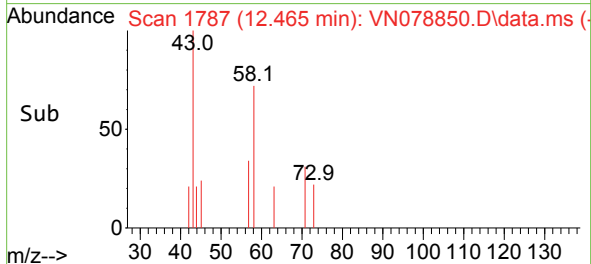
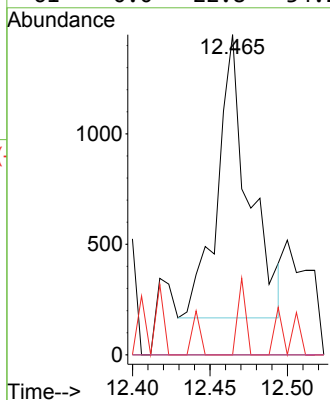


#74
N-amy1 acetate
Concen: 0.456 ug/l
RT: 12.465 min Scan# 1791
Delta R.T. -0.035 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

Instrument :
MSVOA_N
ClientSampleId :

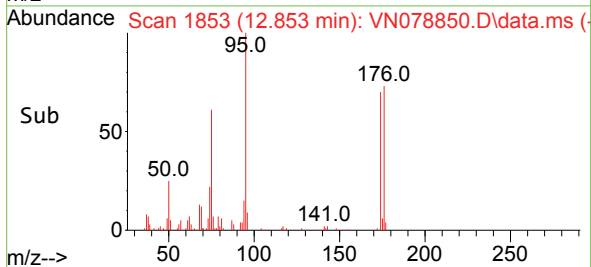
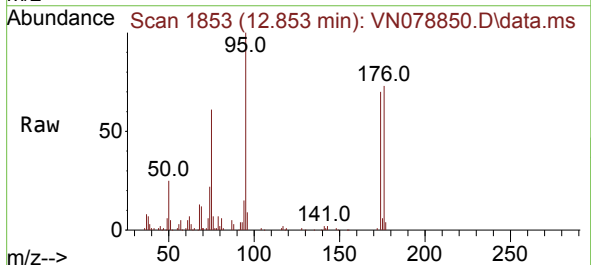
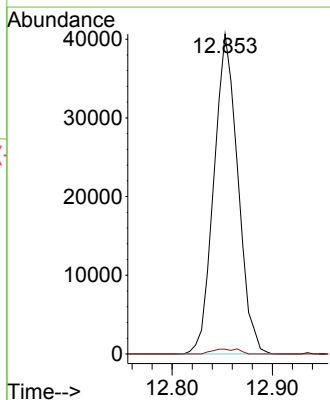


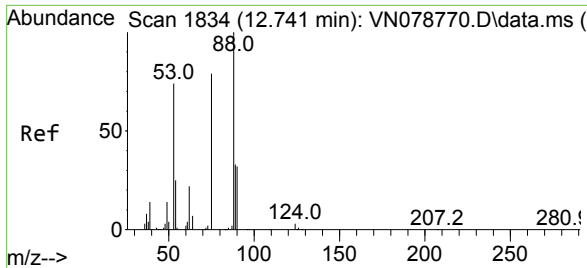
Tgt Ion: 43	Resp: 1791
Ion Ratio	Lower Upper
43	100
70	0.0 43.4 65.2#
55	6.8 21.4 32.0#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.410 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078850.D
Acq: 10 Aug 2023 20:22

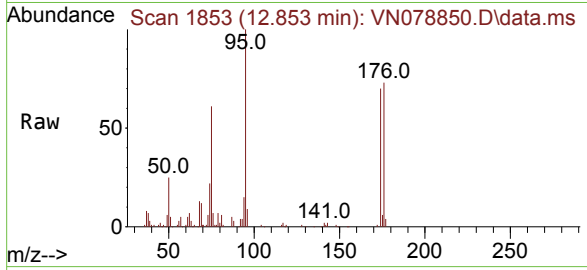
Tgt Ion: 75	Resp: 67565
Ion Ratio	Lower Upper
75	100
77	1.7 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.235 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078850.D
 Acq: 10 Aug 2023 20:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	67565
Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.4	101.2#
89	0.1	38.8	58.2#

