

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078845.D
 Acq On : 10 Aug 2023 18:21
 Operator : JC\MD
 Sample : PB154726ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:55:35 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)

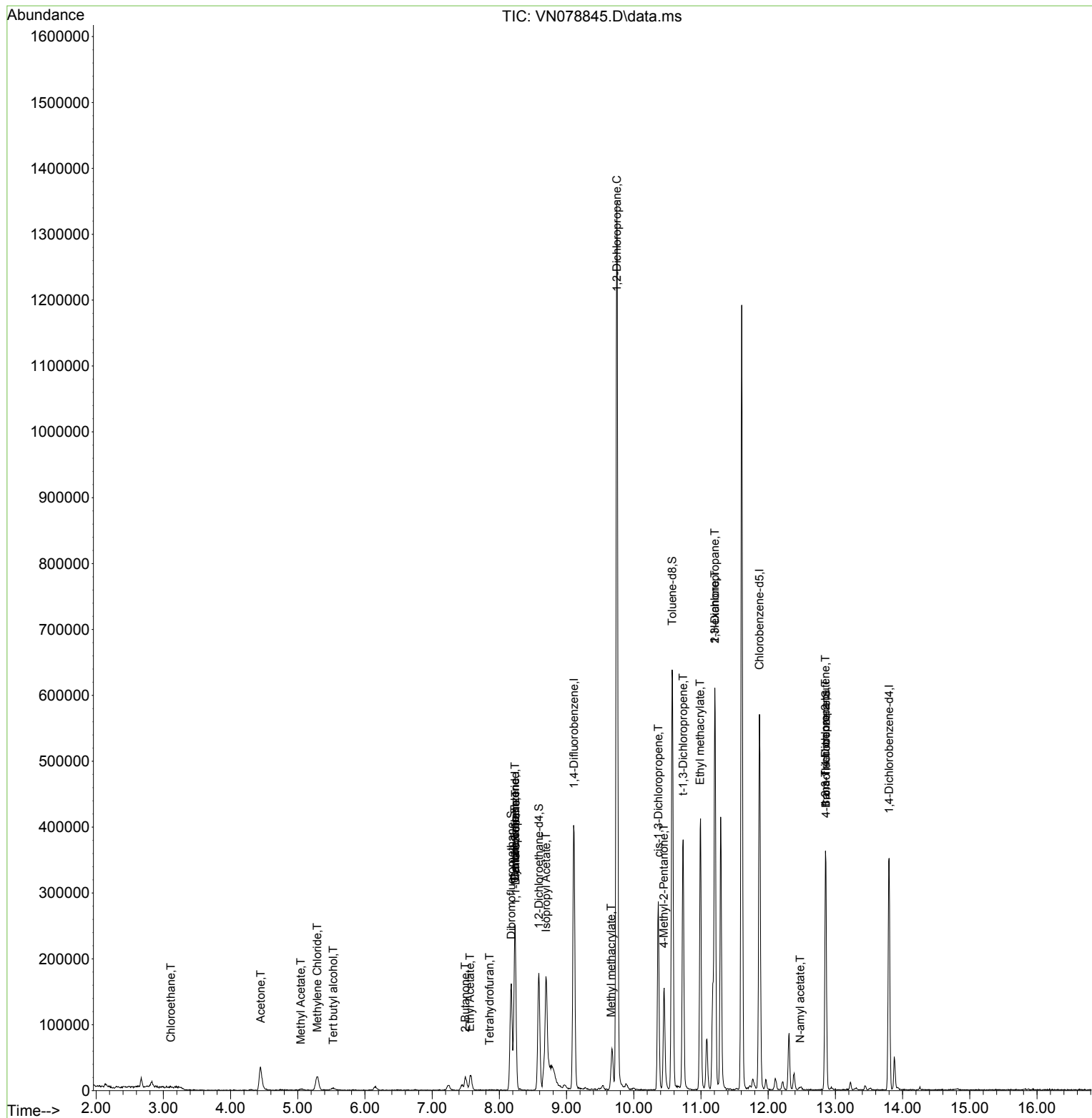
Internal Standards						
1) Pentafluorobenzene	8.235	168	169754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	332884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	312122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	90438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135555	53.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	8.177	113	109907	48.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	10.571	98	431794	52.196	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.859	95	117663	47.591	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.180%			
Target Compounds					Qvalue	
6) Chloroethane	3.112	64	957	0.527	ug/l #	43
11) Tert butyl alcohol	5.530	59	3821	8.555	ug/l #	76
16) Acetone	4.447	43	67381	68.815	ug/l #	86
18) Methyl Acetate	5.047	43	4401	1.001	ug/l #	60
20) Methylene Chloride	5.289	84	15697	6.473	ug/l #	78
25) 2-Butanone	7.494	43	31777	19.165	ug/l #	86
29) Tetrahydrofuran	7.853	42	391	0.352	ug/l #	42
31) Cyclohexane	8.230	56	4703	1.258	ug/l #	46
36) 1,1-Dichloropropene	8.241	75	17648	5.060	ug/l #	40
37) Ethyl Acetate	7.565	43	37112	10.008	ug/l #	88
38) Carbon Tetrachloride	8.235	117	20217	5.623	ug/l #	16
43) Isopropyl Acetate	8.694	43	239954	38.382	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1456	0.515	ug/l #	45
48) Methyl methacrylate	9.665	41	5562	1.925	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	115739	30.224	ug/l #	81
53) t-1,3-Dichloropropene	10.735	75	1041	0.272	ug/l #	87
54) cis-1,3-Dichloropropene	10.365	75	47598	11.446	ug/l #	74
56) Ethyl methacrylate	10.988	69	1785	0.481	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5668	1.273	ug/l #	42
59) 2-Hexanone	11.206	43	91319	33.678	ug/l #	47
74) N-amyl acetate	12.476	43	4227	1.047	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	67625	27.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67625	74.213	ug/l #	15

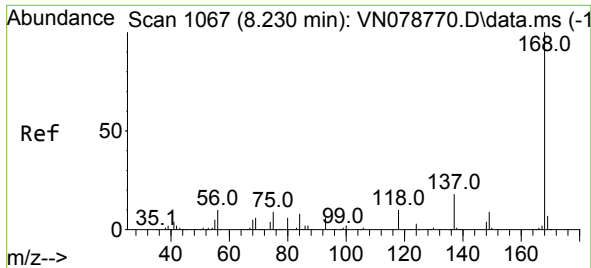
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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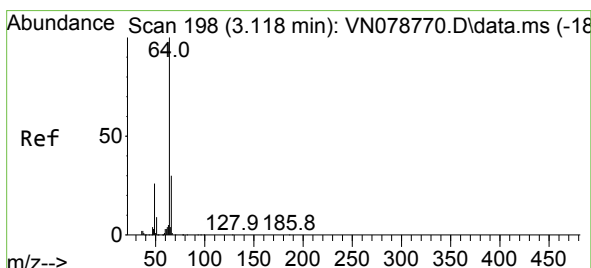
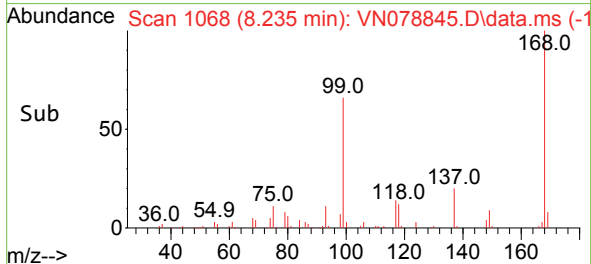
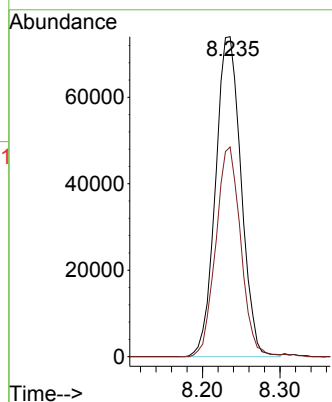
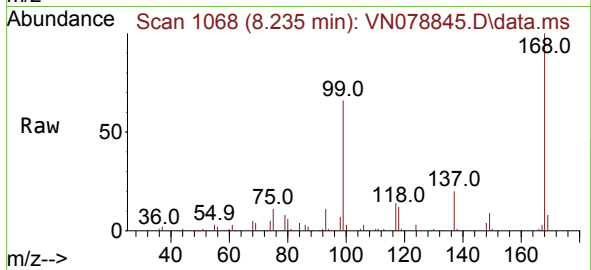




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

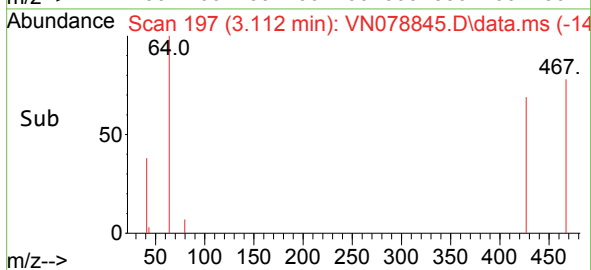
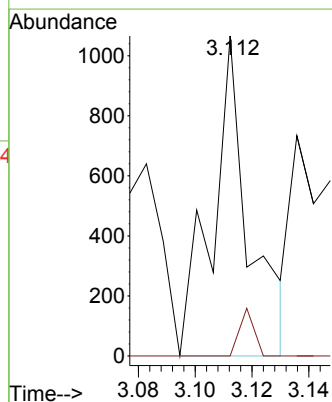
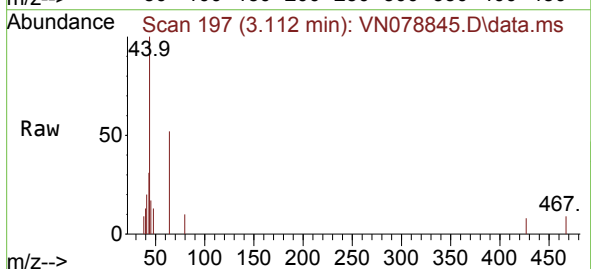
Instrument :
MSVOA_N
ClientSampleId :

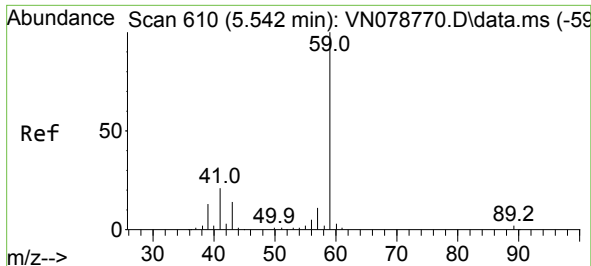
Tgt Ion:168 Resp: 169754
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#6
Chloroethane
Concen: 0.527 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

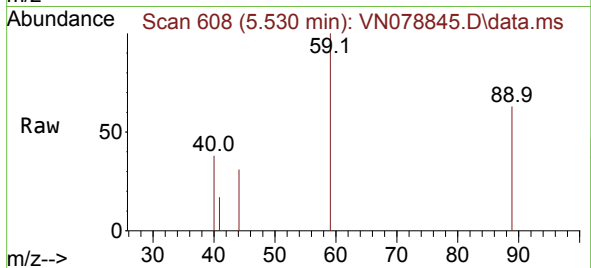
Tgt Ion: 64 Resp: 957
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



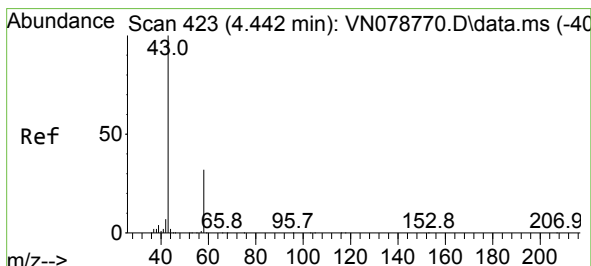
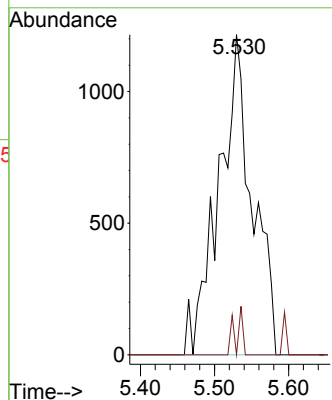
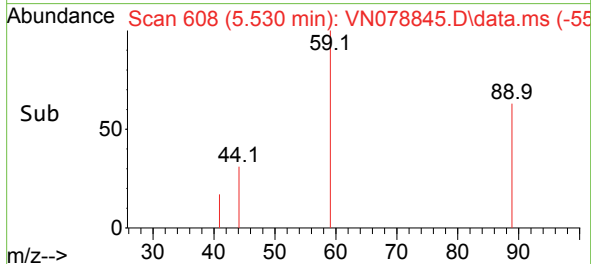


#11
Tert butyl alcohol
Concen: 8.555 ug/l
RT: 5.530 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

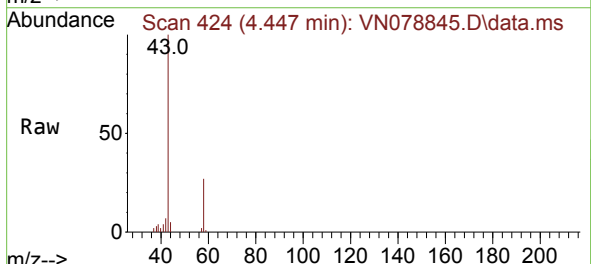
Instrument :
MSVOA_N
ClientSampleId :



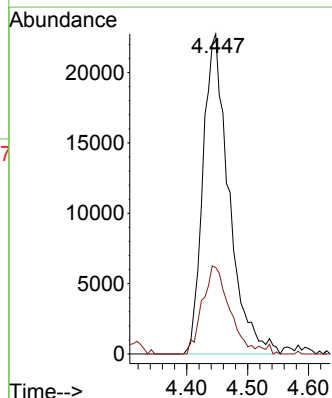
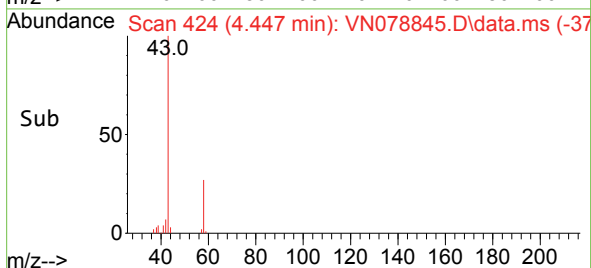
Tgt Ion: 59 Resp: 3821
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.4#

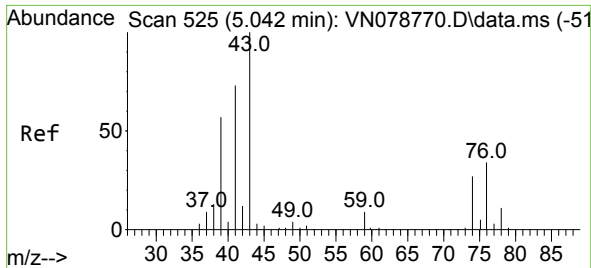


#16
Acetone
Concen: 68.815 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21



Tgt Ion: 43 Resp: 67381
Ion Ratio Lower Upper
43 100
58 27.1 28.0 42.0#

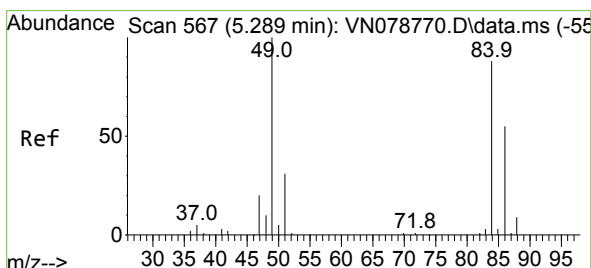
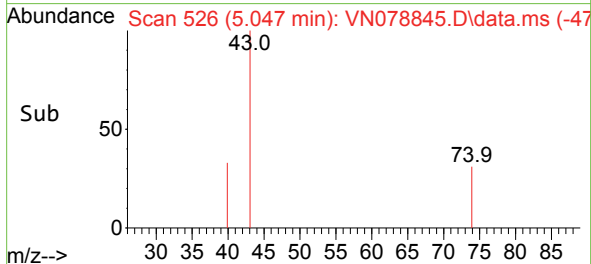
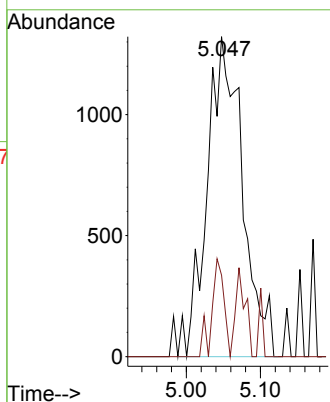
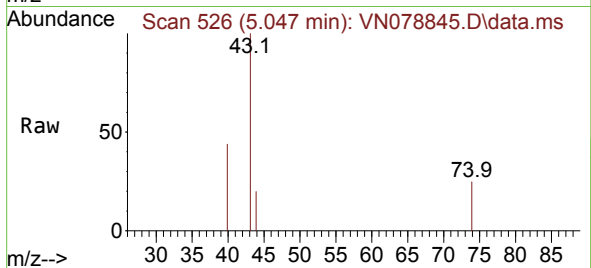




#18
Methyl Acetate
Concen: 1.001 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

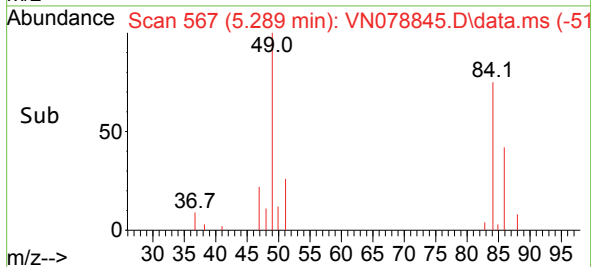
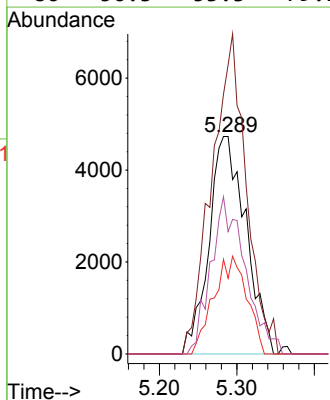
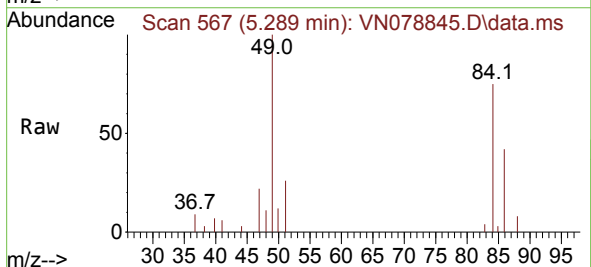
Instrument :
MSVOA_N
ClientSampleId :

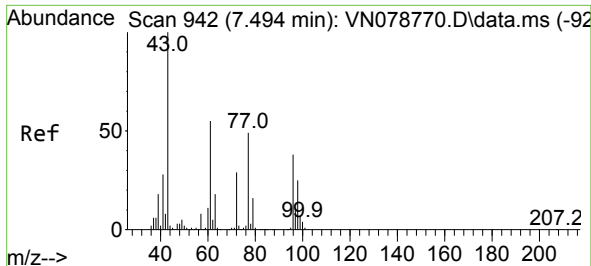
Tgt Ion: 43 Resp: 4401
Ion Ratio Lower Upper
43 100
74 10.4 26.2 39.4#



#20
Methylene Chloride
Concen: 6.473 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.000 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Tgt Ion: 84 Resp: 15697
Ion Ratio Lower Upper
84 100
49 133.0 79.7 119.5#
51 34.8 25.2 37.8
86 56.3 53.3 79.9





#25

2-Butanone

Concen: 19.165 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

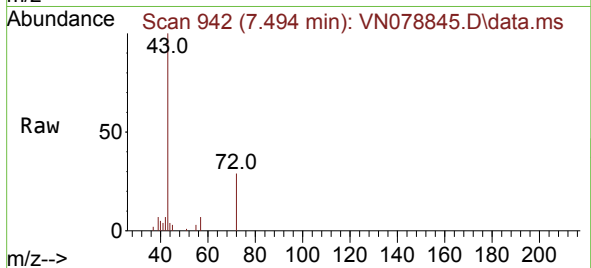
Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :

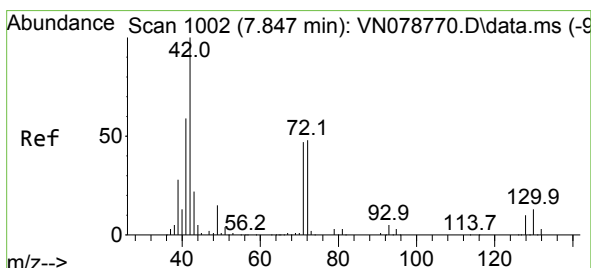
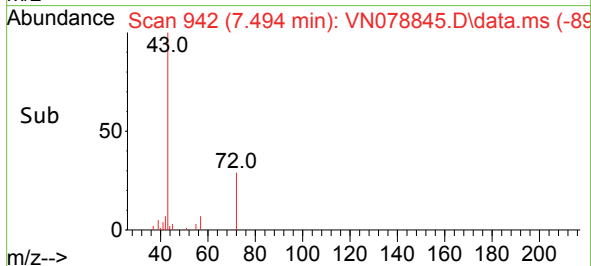
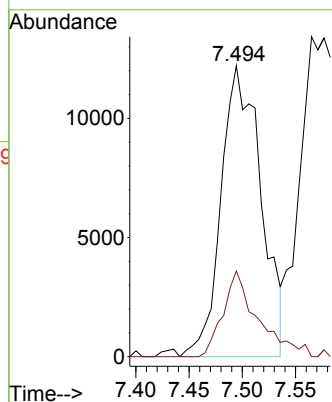


Tgt Ion: 43 Resp: 31777

Ion Ratio Lower Upper

43 100

72 29.5 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.352 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

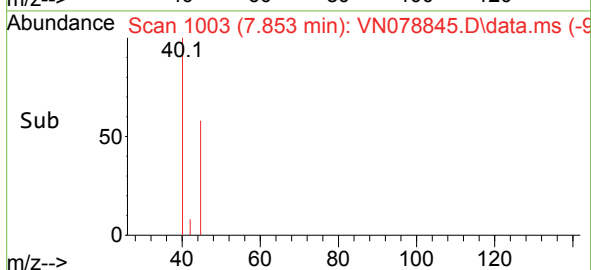
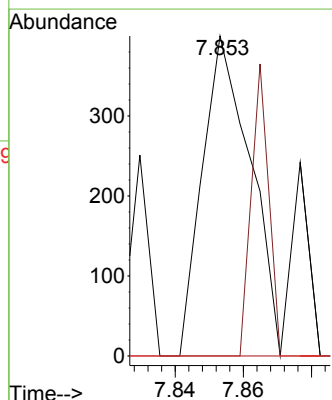
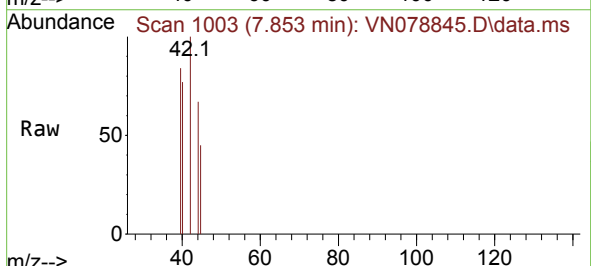
Tgt Ion: 42 Resp: 391

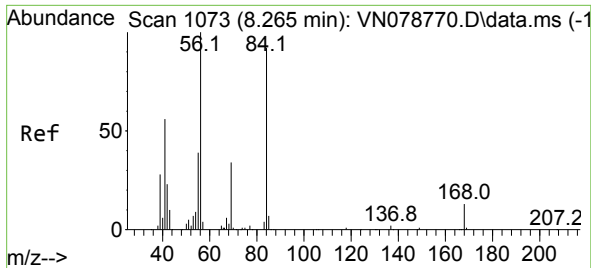
Ion Ratio Lower Upper

42 100

72 33.0 49.8 74.6#

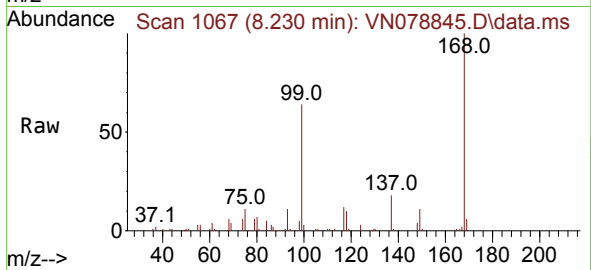
71 0.0 47.4 71.2#



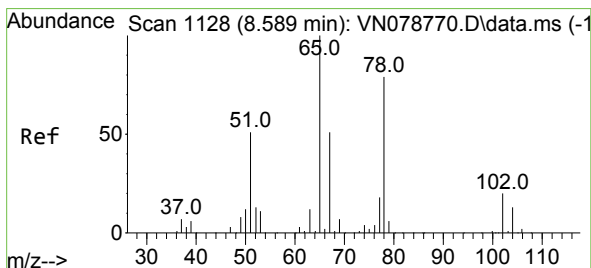
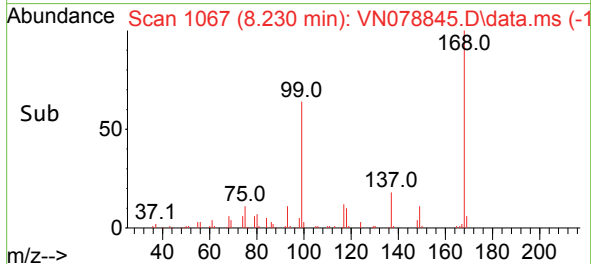
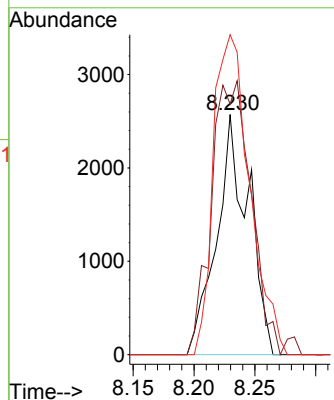


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

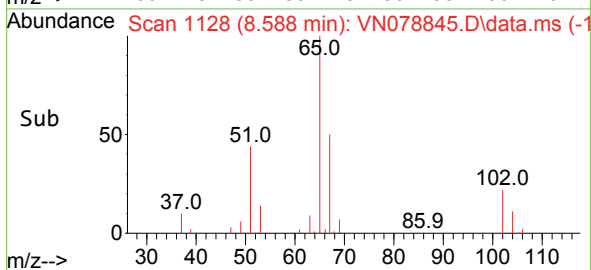
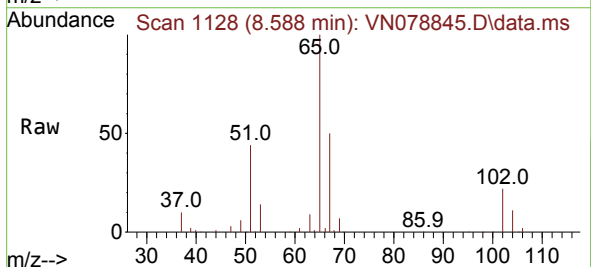
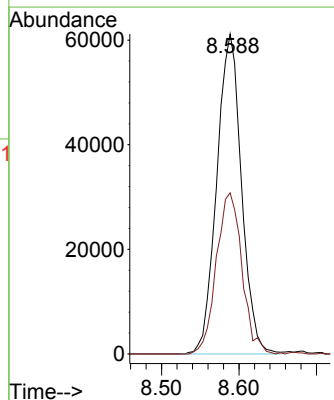


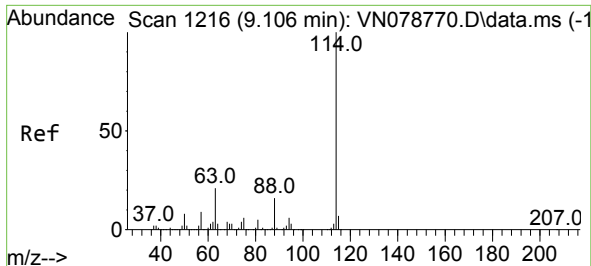
Tgt Ion: 56 Resp: 4703
Ion Ratio Lower Upper
56 100
69 104.4 26.8 40.2#
84 133.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.266 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Tgt Ion: 65 Resp: 135555
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :

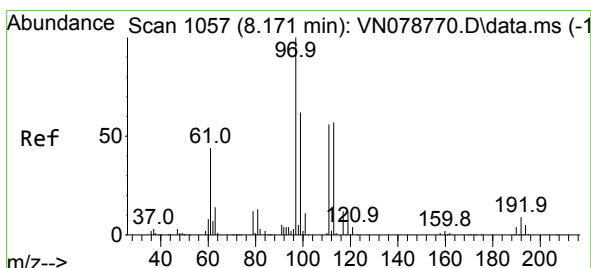
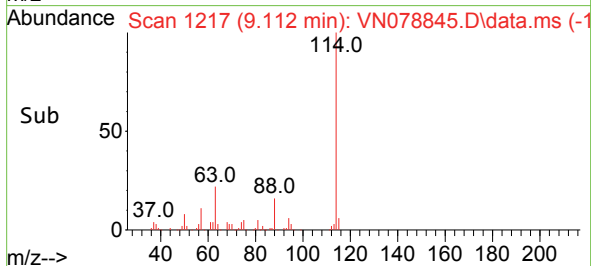
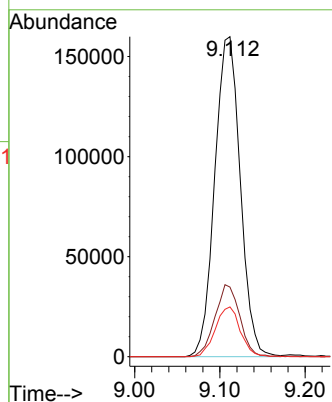
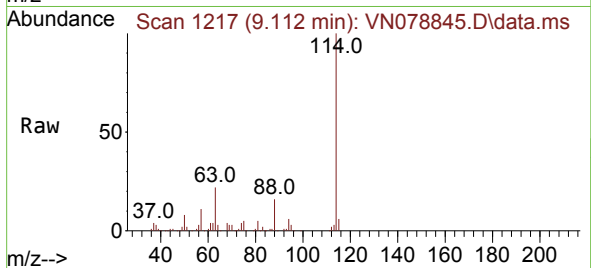
Tgt Ion:114 Resp: 332884

Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.891 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

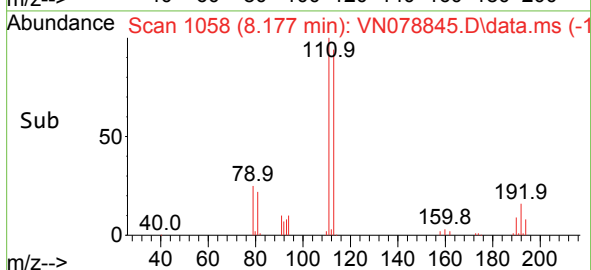
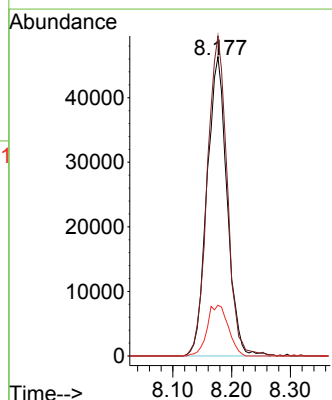
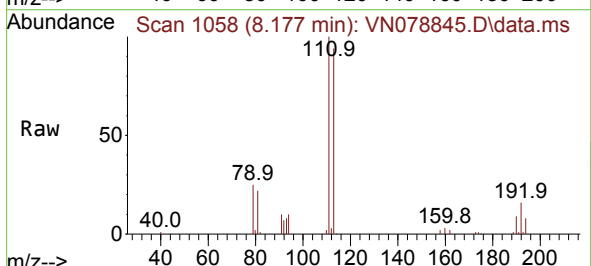
Tgt Ion:113 Resp: 109907

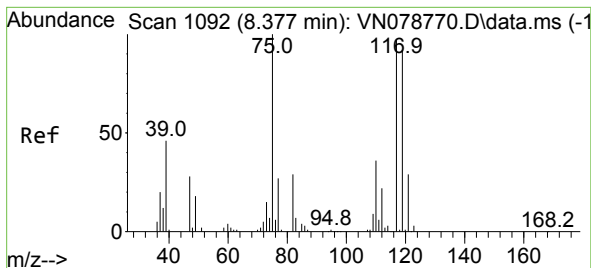
Ion Ratio Lower Upper

113 100

111 105.9 82.6 123.8

192 17.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.135 min

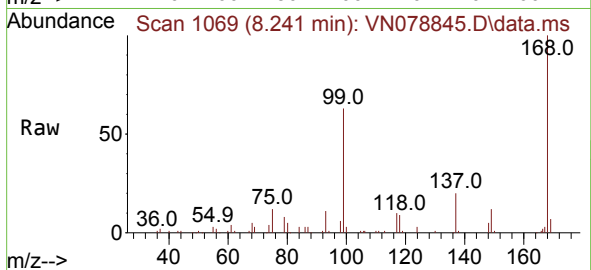
Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



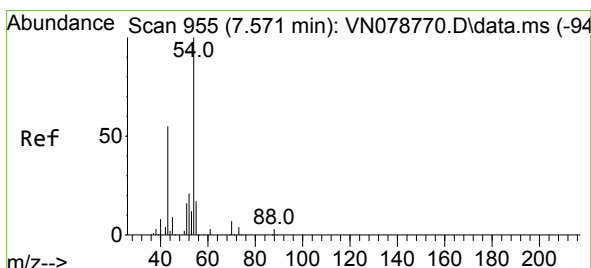
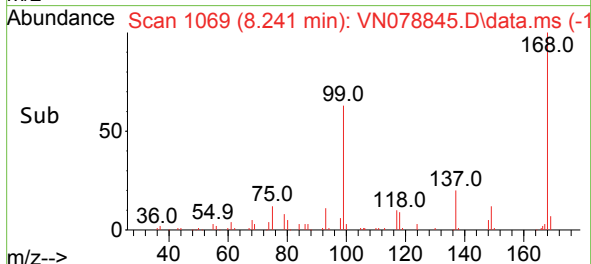
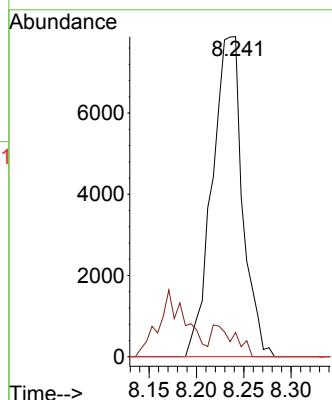
Tgt Ion: 75 Resp: 17648

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.008 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.006 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

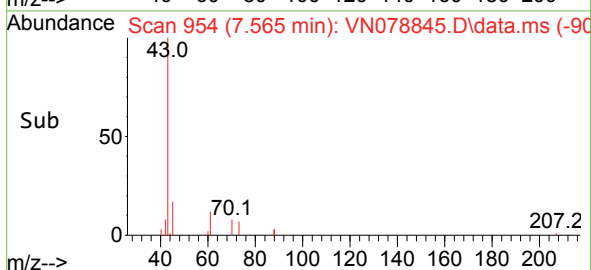
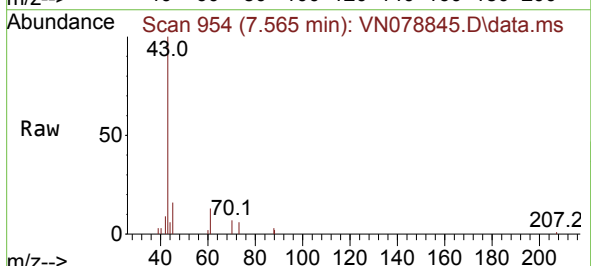
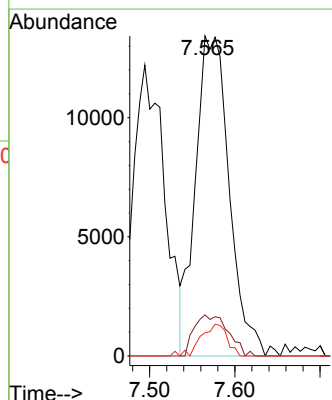
Tgt Ion: 43 Resp: 37112

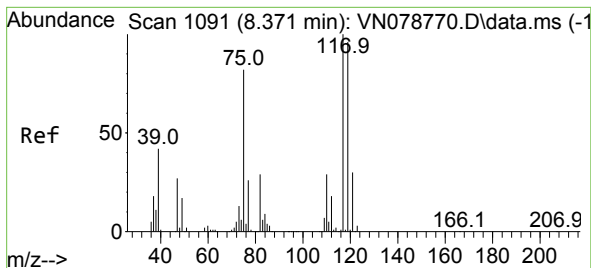
Ion Ratio Lower Upper

43 100

61 12.9 13.2 19.8#

70 7.5 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.623 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.135 min

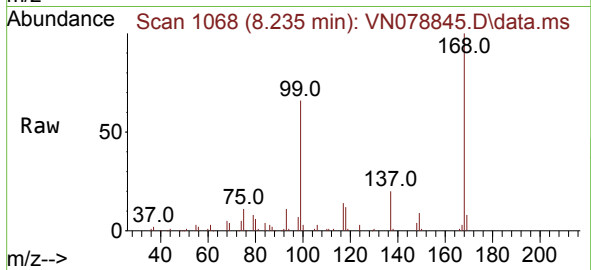
Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



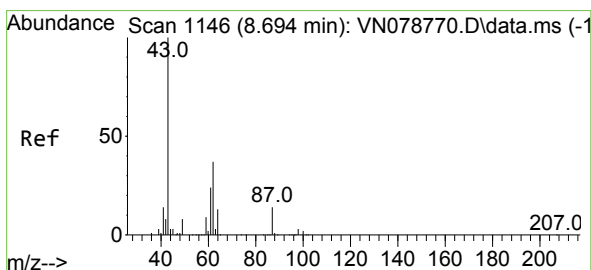
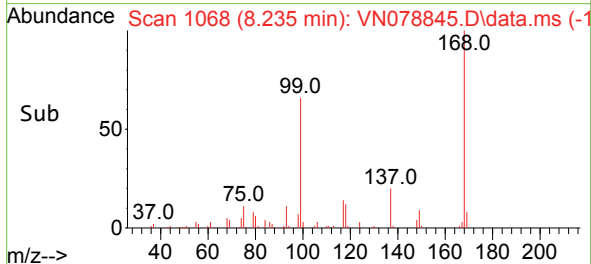
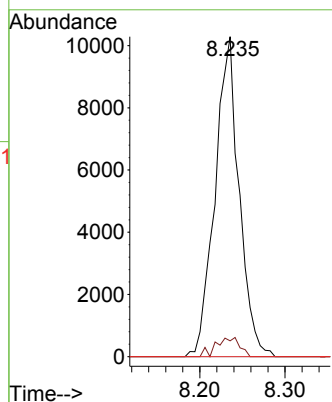
Tgt Ion:117 Resp: 20217

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 38.382 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

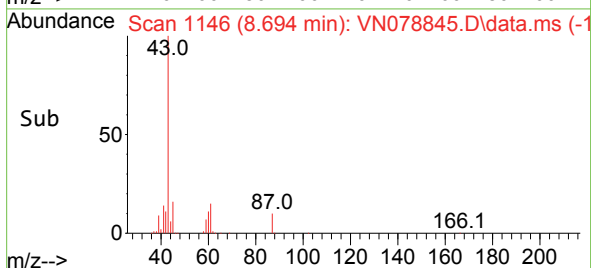
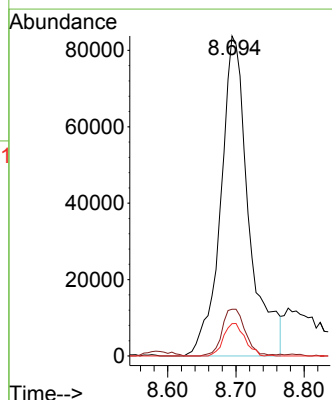
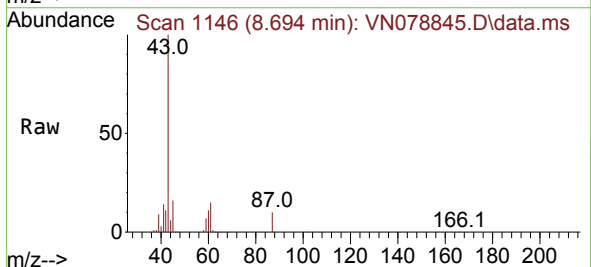
Tgt Ion: 43 Resp: 239954

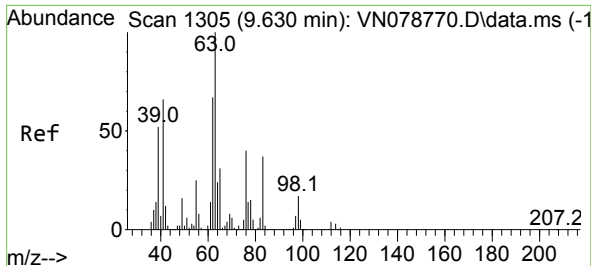
Ion Ratio Lower Upper

43 100

61 12.1 24.7 37.1#

87 7.7 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.515 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

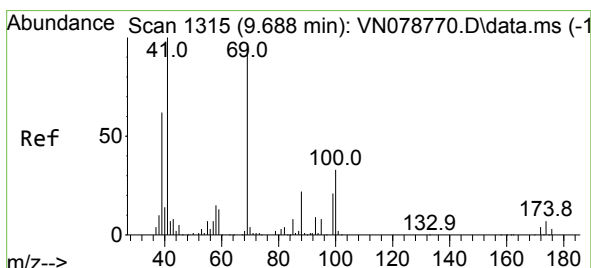
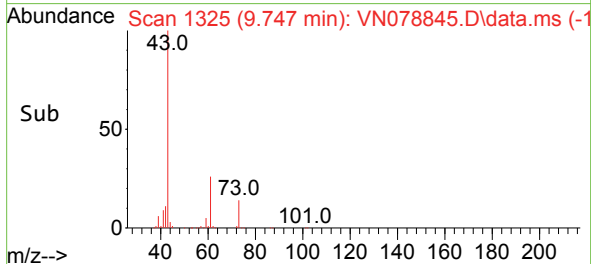
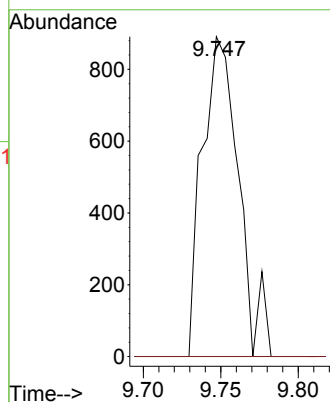
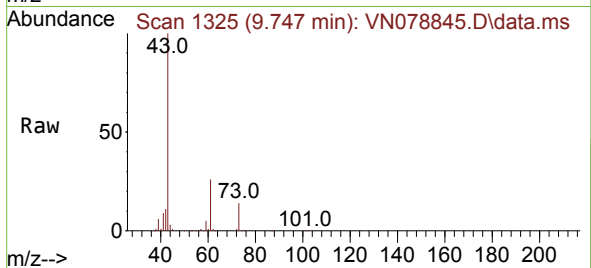
ClientSampleId :

Tgt Ion: 63 Resp: 1456

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.925 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.024 min

Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

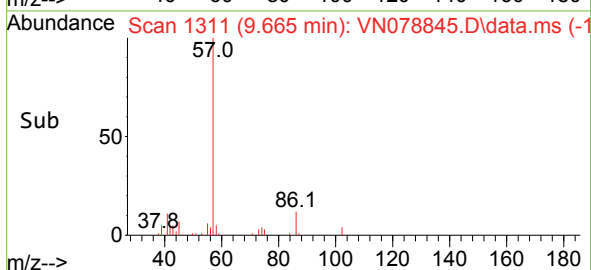
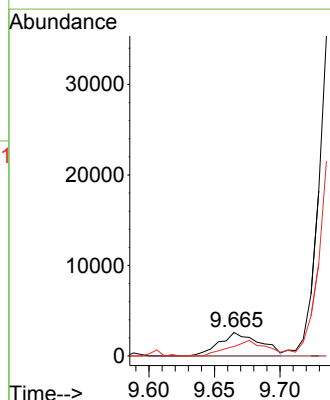
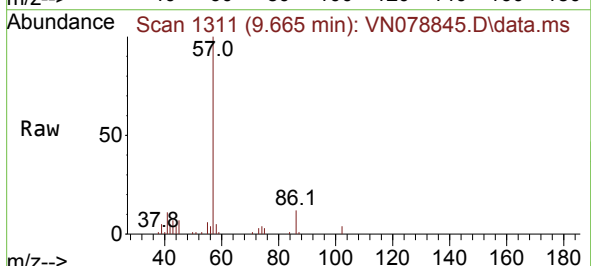
Tgt Ion: 41 Resp: 5562

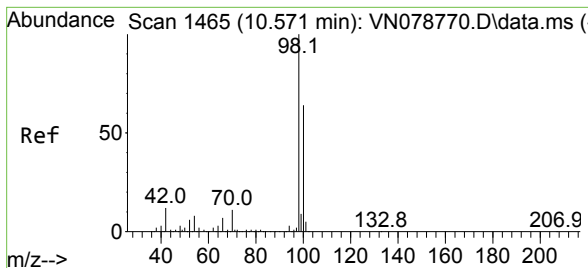
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 59.4 54.6 81.8

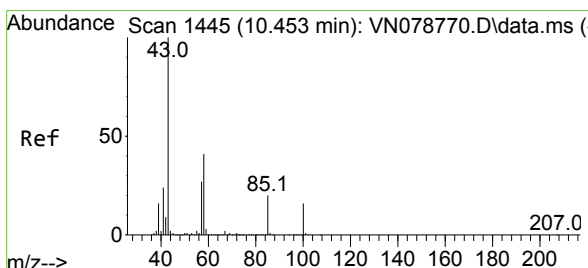
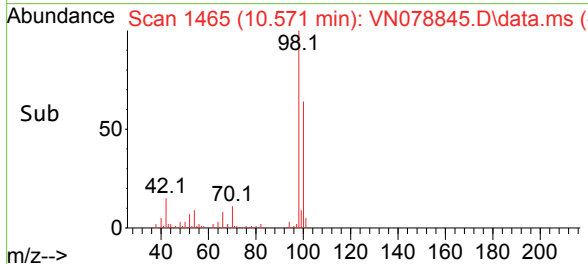
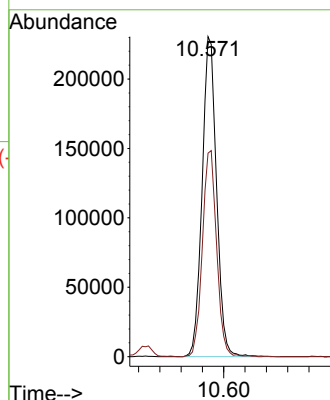
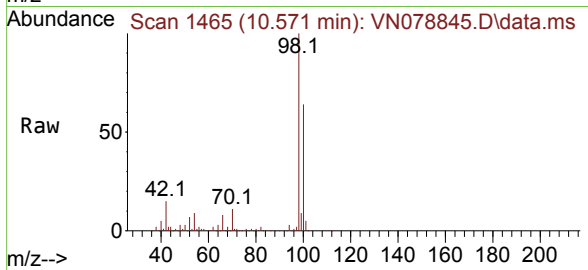




#50
Toluene-d8
Concen: 52.196 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

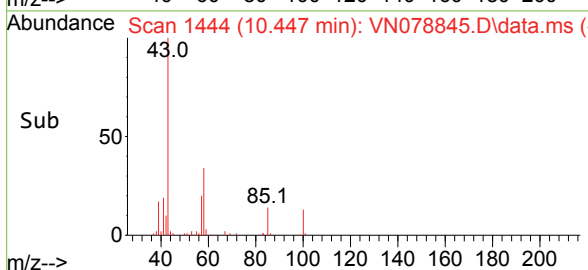
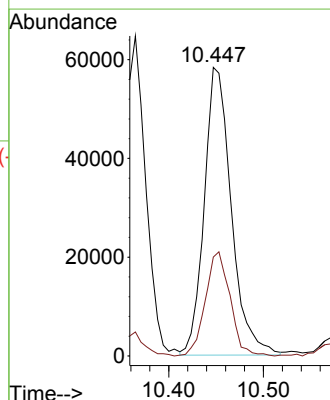
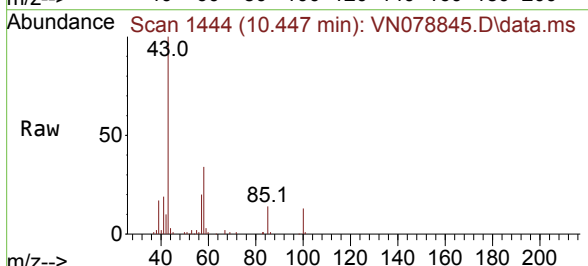
Instrument :
MSVOA_N
ClientSampleId :

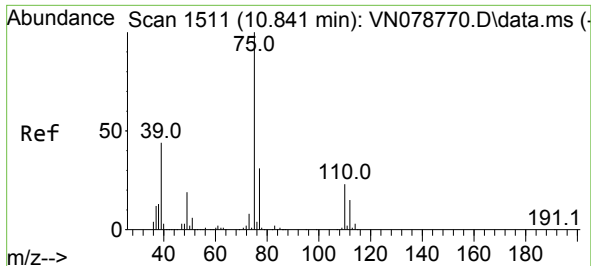
Tgt Ion: 98 Resp: 431794
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.224 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Tgt Ion: 43 Resp: 115739
Ion Ratio Lower Upper
43 100
58 33.1 36.6 54.8#

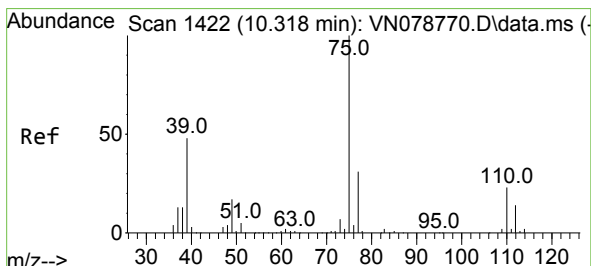
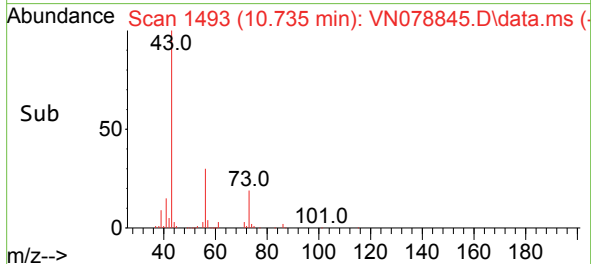
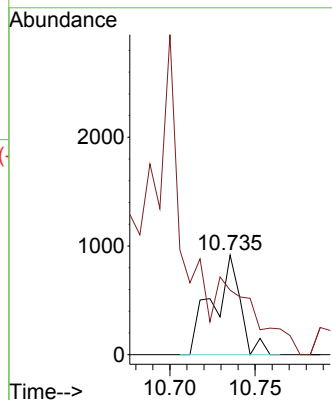
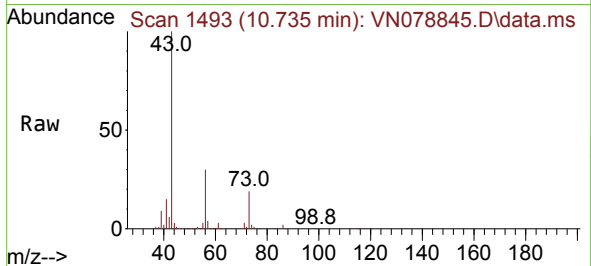




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN078845.D
 Acq: 10 Aug 2023 18:21

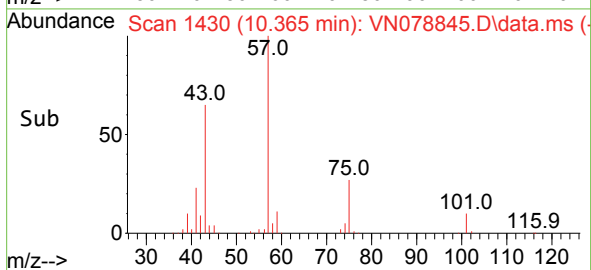
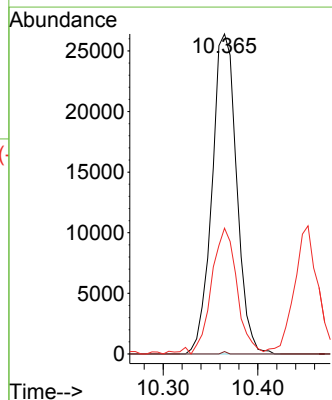
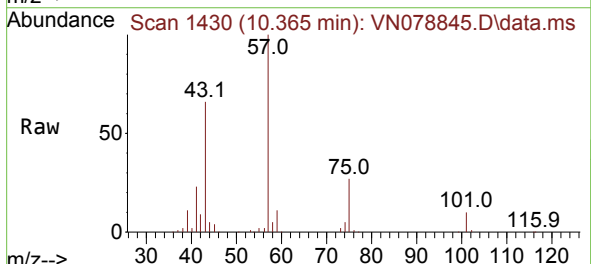
Instrument :
 MSVOA_N
 ClientSampleId :

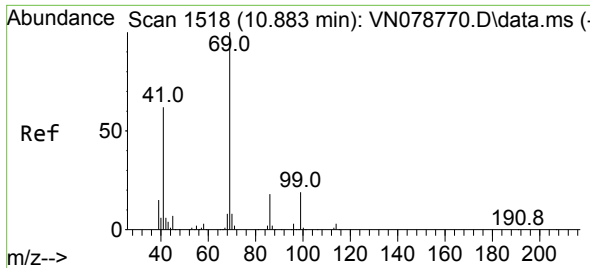
Tgt Ion: 75 Resp: 1041
 Ion Ratio Lower Upper
 75 100
 77 38.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.446 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078845.D
 Acq: 10 Aug 2023 18:21

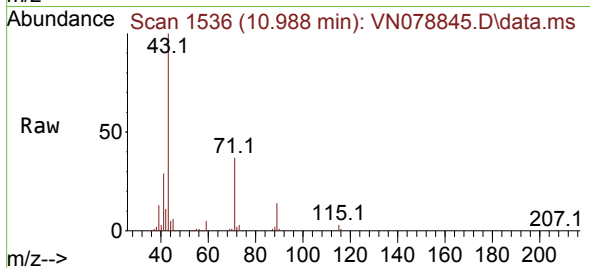
Tgt Ion: 75 Resp: 47598
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 38.6 31.6 47.4



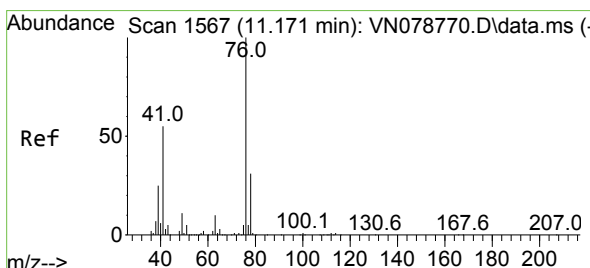
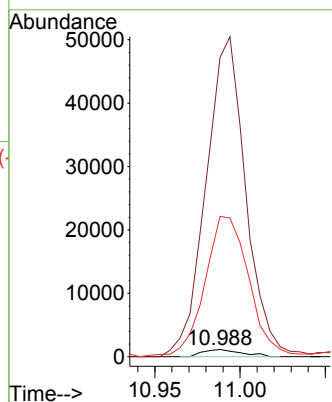
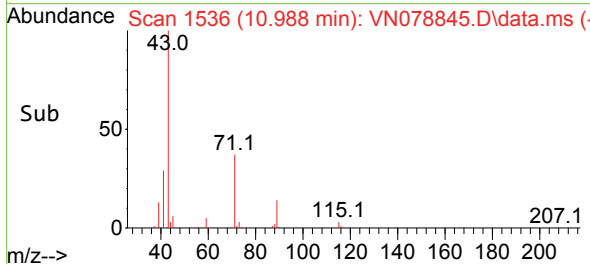


#56
Ethyl methacrylate
Concen: 0.481 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

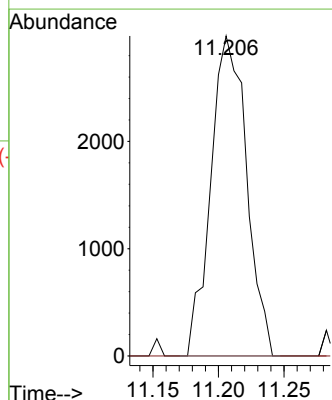
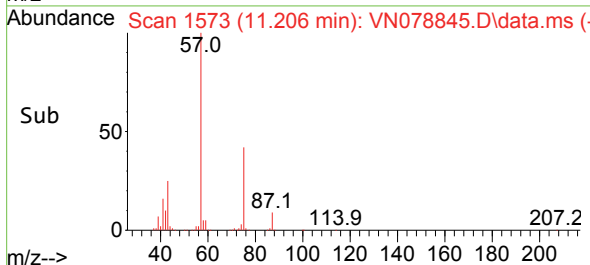
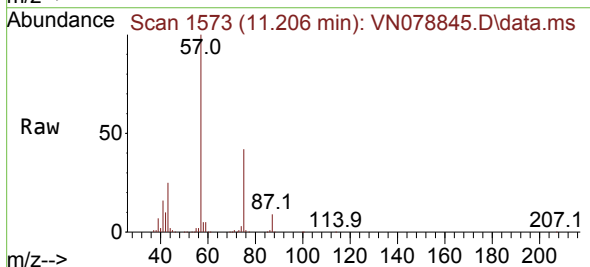


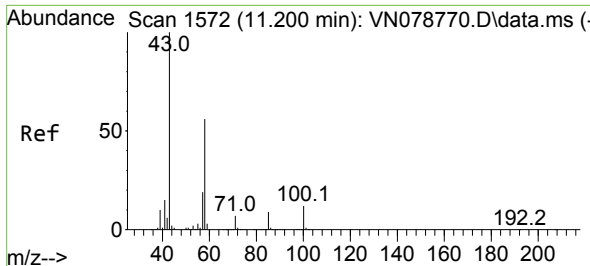
Tgt Ion: 69 Resp: 1785
Ion Ratio Lower Upper
69 100
41 4601.4 39.6 59.4#
39 2227.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.273 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Tgt Ion: 76 Resp: 5668
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

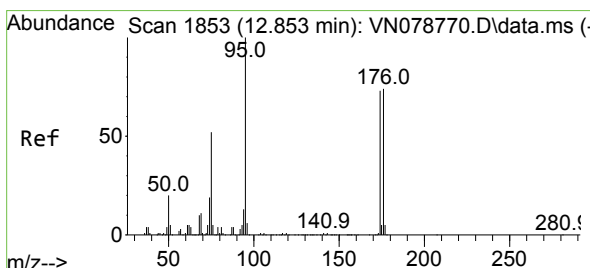
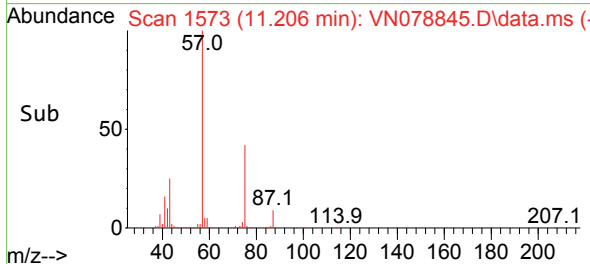
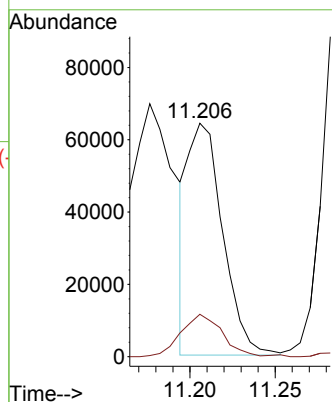
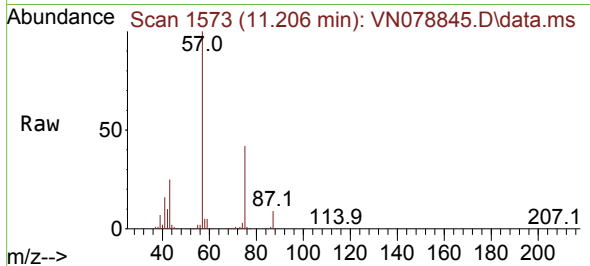




#59
2-Hexanone
Concen: 33.678 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

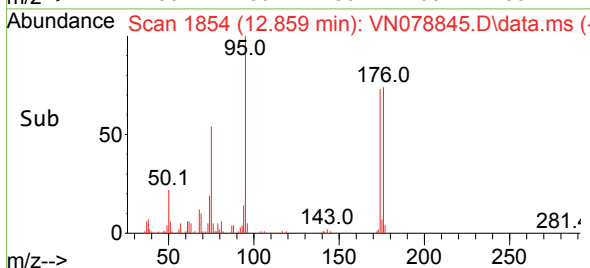
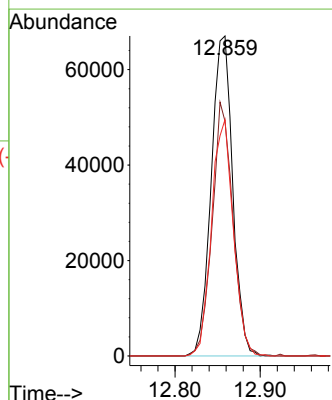
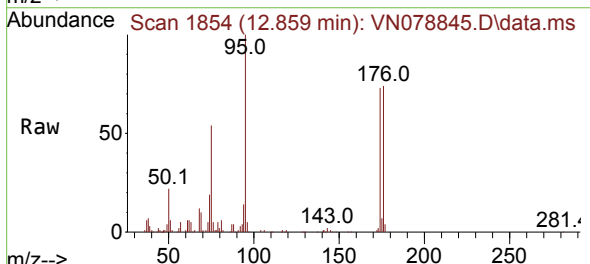
Instrument :
MSVOA_N
ClientSampleId :

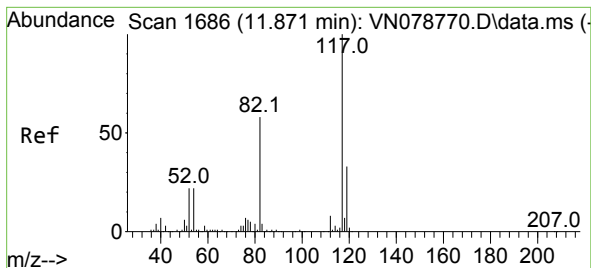
Tgt Ion: 43 Resp: 91319
Ion Ratio Lower Upper
43 100
58 21.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.591 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Tgt Ion: 95 Resp: 117663
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 75.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

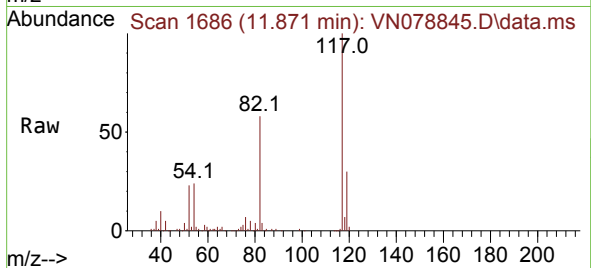
Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



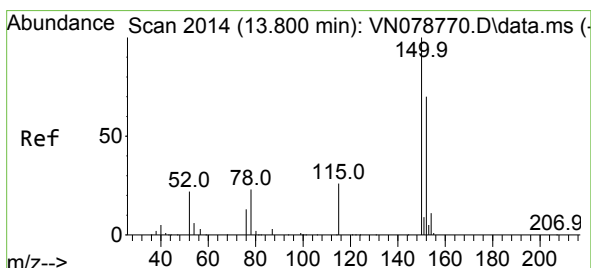
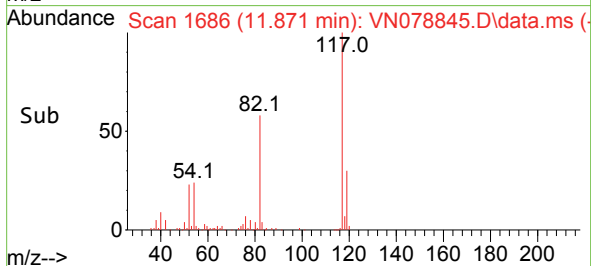
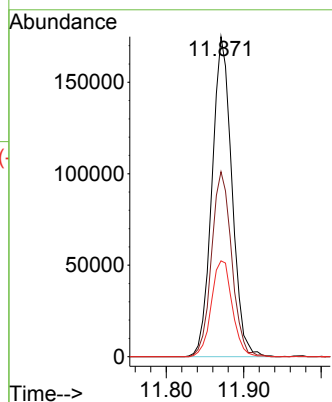
Tgt Ion:117 Resp: 312122

Ion Ratio Lower Upper

117 100

82 57.8 44.0 66.0

119 29.9 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: VN078845.D

Acq: 10 Aug 2023 18:21

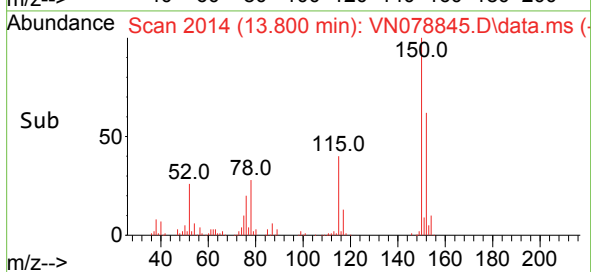
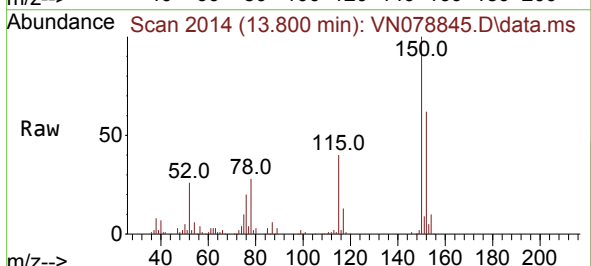
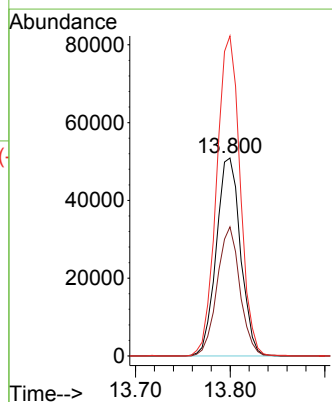
Tgt Ion:152 Resp: 90438

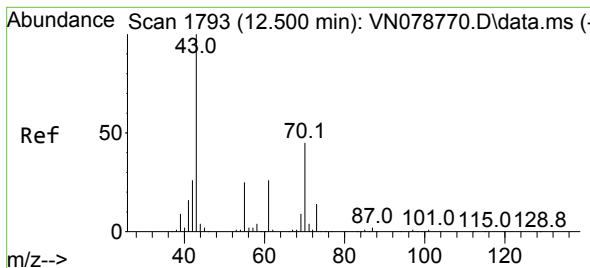
Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 156.8 0.0 355.8





#74

N-amy1 acetate

Concen: 1.047 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.024 min

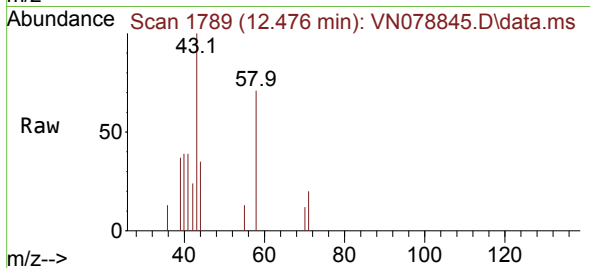
Lab File: VN078845.D

Acq: 10 Aug 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4227

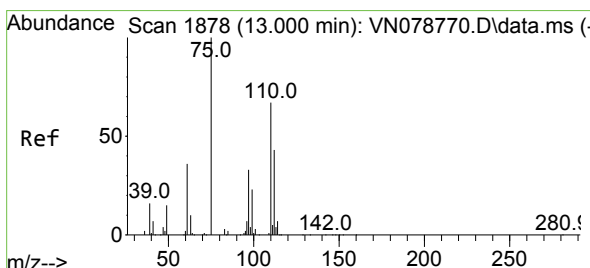
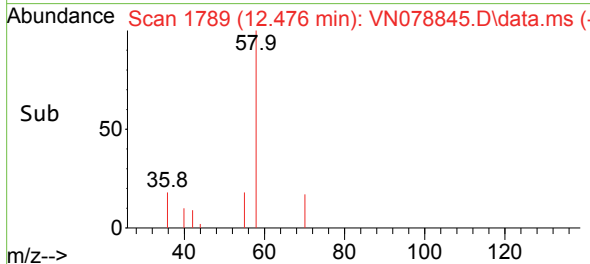
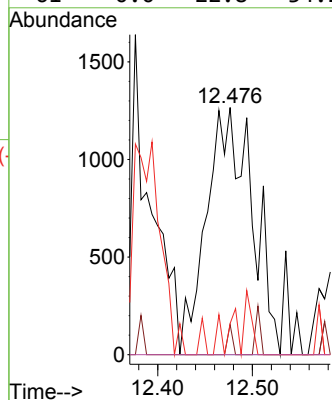
Ion Ratio Lower Upper

43 100

70 1.3 43.4 65.2#

55 5.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.657 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078845.D

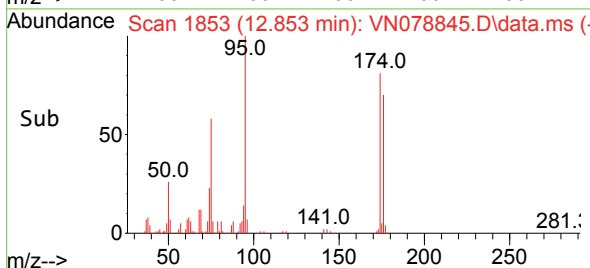
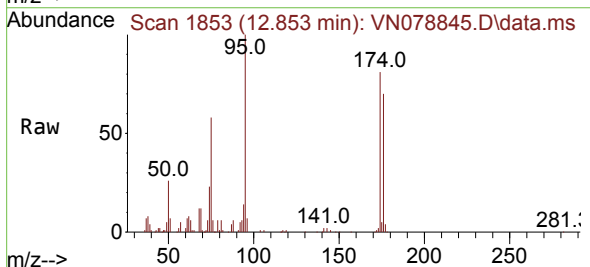
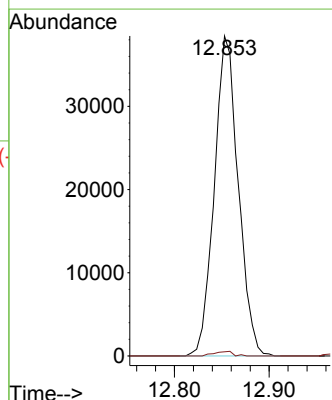
Acq: 10 Aug 2023 18:21

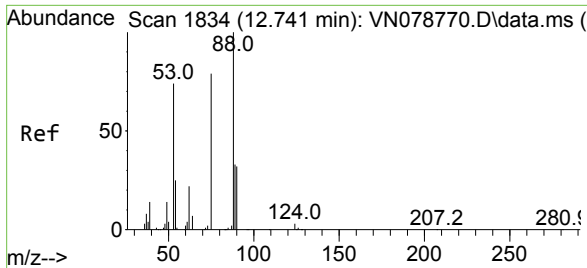
Tgt Ion: 75 Resp: 67625

Ion Ratio Lower Upper

75 100

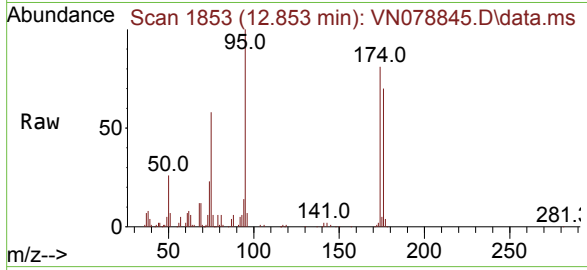
77 1.1 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.213 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078845.D
Acq: 10 Aug 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :



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

