

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078993.D
 Acq On : 22 Aug 2023 14:47
 Operator : JC\MD
 Sample : PB154968ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:03:02 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

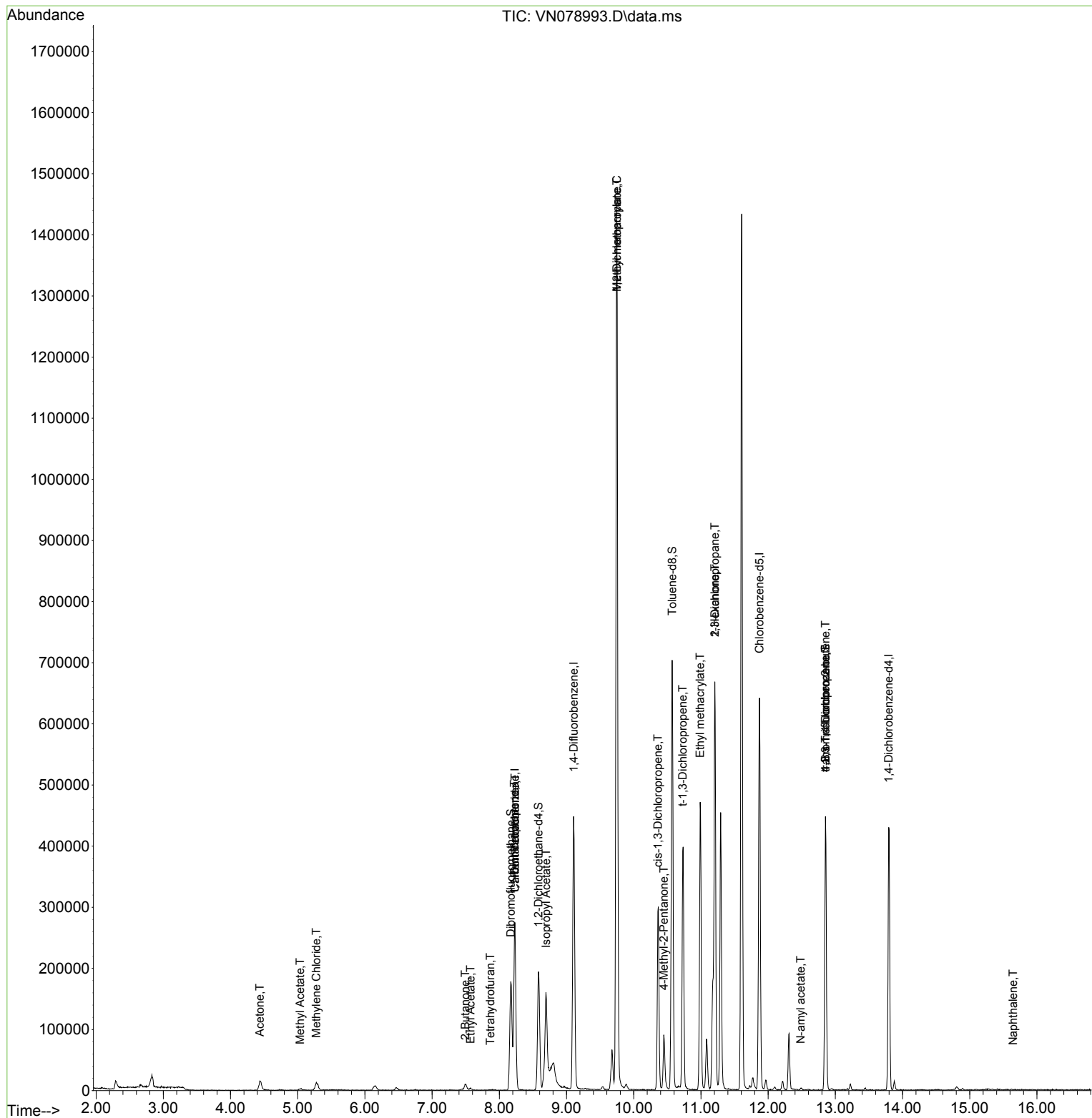
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	189675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	358042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	155575	52.710	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.420%	
35) Dibromofluoromethane	8.171	113	127326	50.951	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.900%	
50) Toluene-d8	10.571	98	467793	50.414	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.853	95	143094	47.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.360%	
Target Compounds						Qvalue
16) Acetone	4.436	43	29007	23.818	ug/l #	82
18) Methyl Acetate	5.036	43	4709	0.915	ug/l #	65
20) Methylene Chloride	5.277	84	9182	3.538	ug/l #	77
25) 2-Butanone	7.494	43	17041	8.728	ug/l #	81
29) Tetrahydrofuran	7.865	42	502	0.388	ug/l #	33
31) Cyclohexane	8.236	56	5205	Below Cal	#	46
36) 1,1-Dichloropropene	8.224	75	16766	4.460	ug/l #	46
37) Ethyl Acetate	7.571	43	4944	1.175	ug/l #	72
38) Carbon Tetrachloride	8.236	117	21048	5.588	ug/l #	16
43) Isopropyl Acetate	8.694	43	203454	27.368	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1853	0.626	ug/l #	45
48) Methyl methacrylate	9.747	41	135267	40.154	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	64337	14.592	ug/l #	83
53) t-1,3-Dichloropropene	10.730	75	999	0.232	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	46920	10.026	ug/l #	71
56) Ethyl methacrylate	10.988	69	1956	0.461	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6901	1.411	ug/l #	42
59) 2-Hexanone	11.206	43	90249	28.260	ug/l #	46
74) N-amyl acetate	12.482	43	1345	0.295	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	79482	30.408	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79482	77.679	ug/l #	15
95) Naphthalene	15.647	128	72	2.588	ug/l #	70

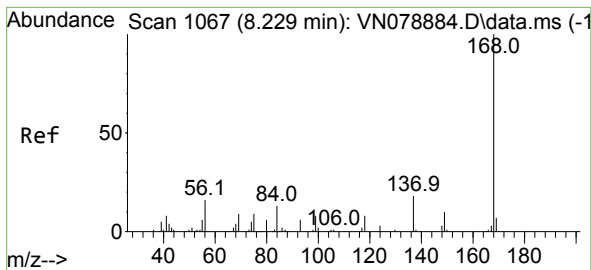
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

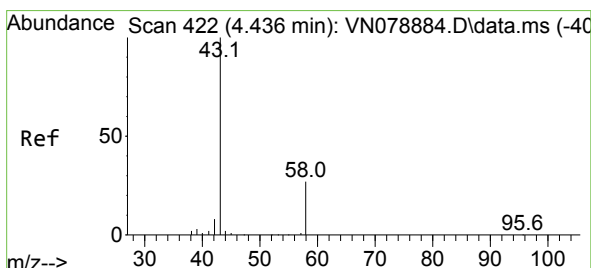
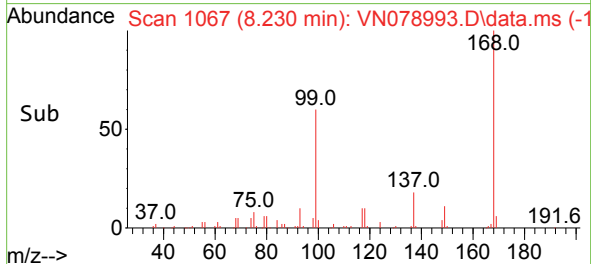
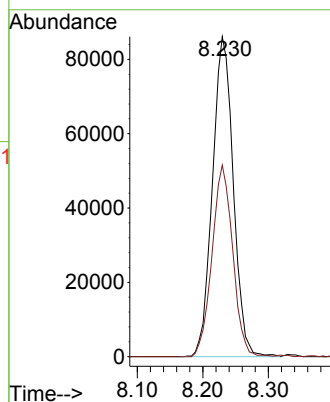
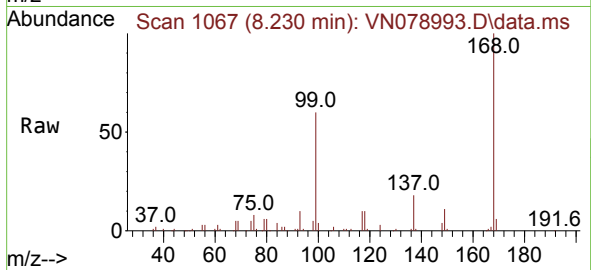




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

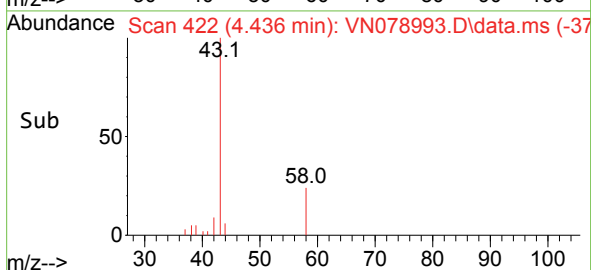
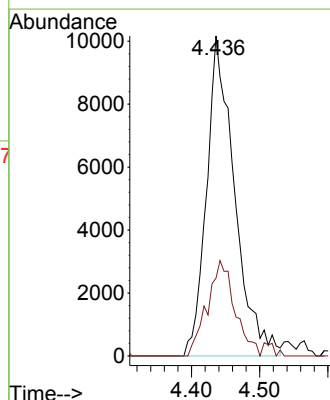
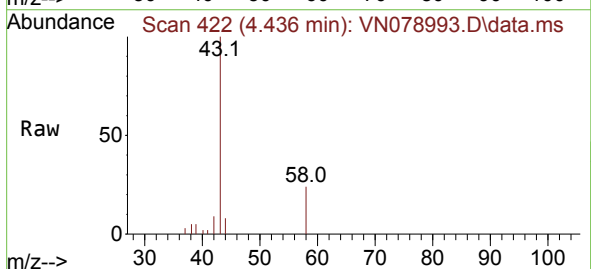
Instrument :
MSVOA_N
ClientSampleId :

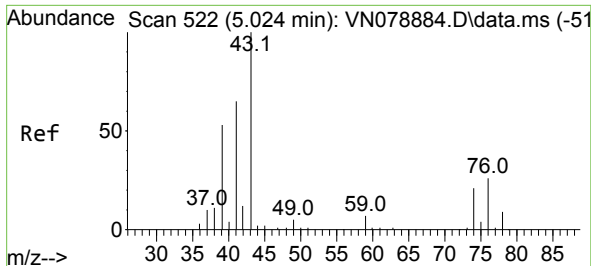
Tgt Ion:168 Resp: 189675
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6



#16
Acetone
Concen: 23.818 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 43 Resp: 29007
Ion Ratio Lower Upper
43 100
58 24.3 28.0 42.0#

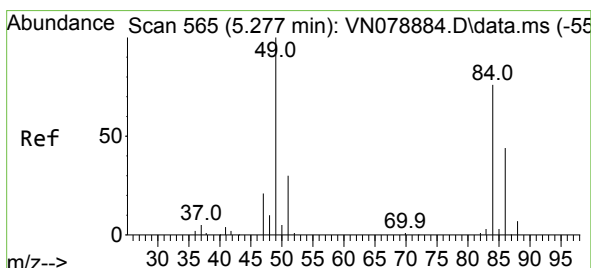
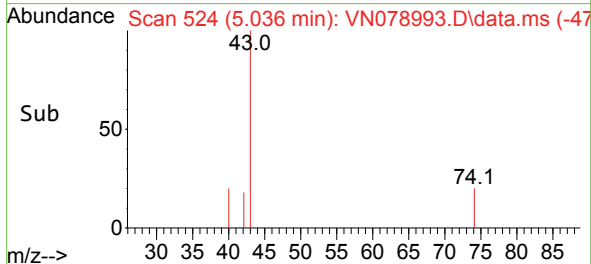
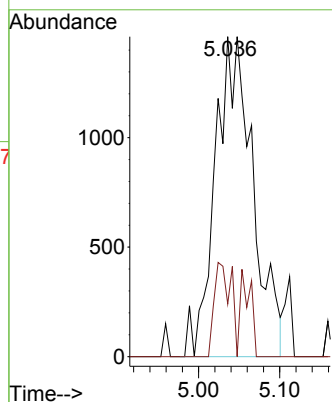
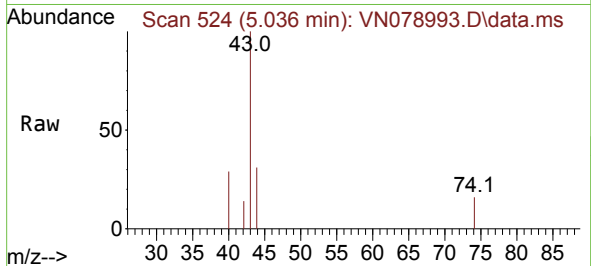




#18
Methyl Acetate
Concen: 0.915 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

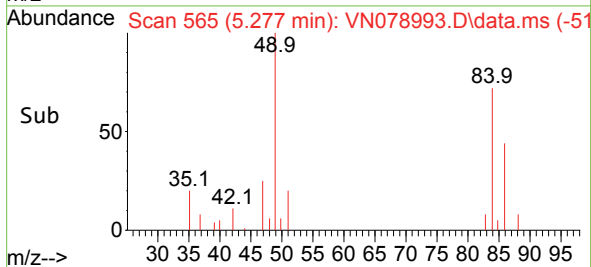
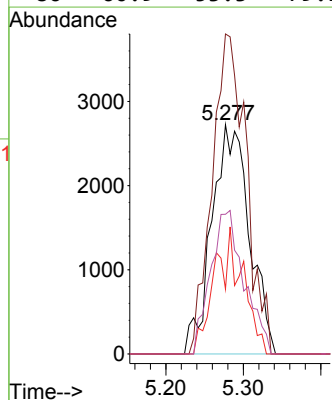
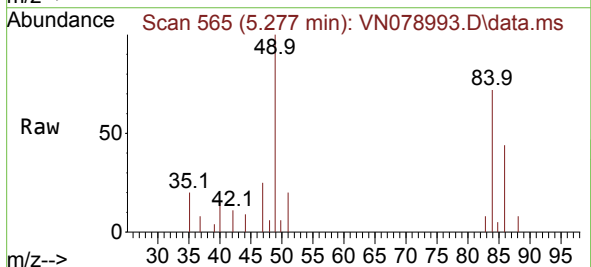
Instrument :
MSVOA_N
ClientSampleId :

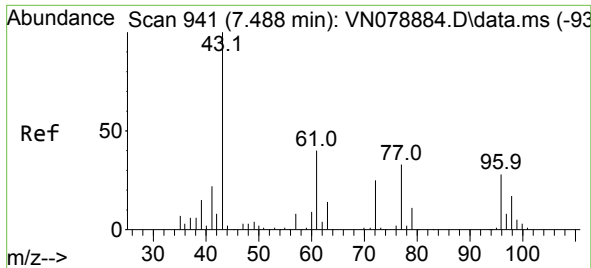
Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
74 12.9 26.2 39.4#



#20
Methylene Chloride
Concen: 3.538 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 84 Resp: 9182
Ion Ratio Lower Upper
84 100
49 139.5 79.7 119.5#
51 28.3 25.2 37.8
86 60.9 53.3 79.9

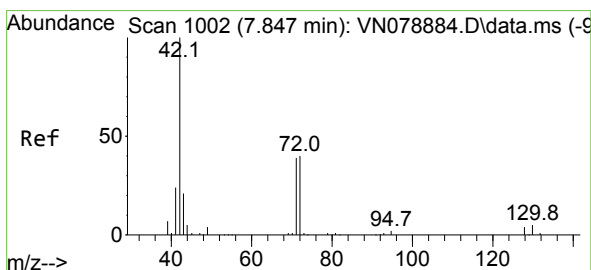
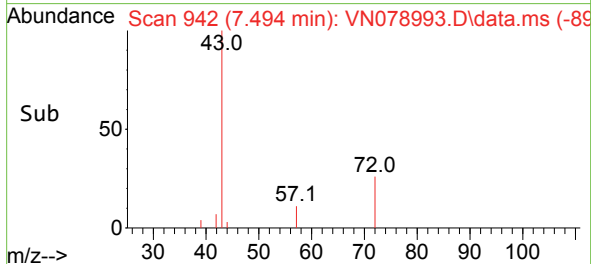
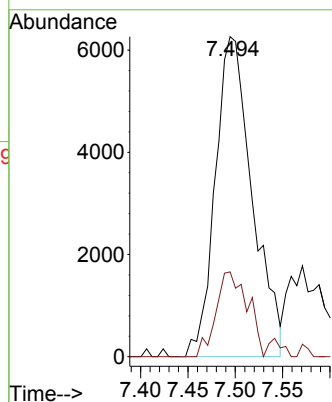
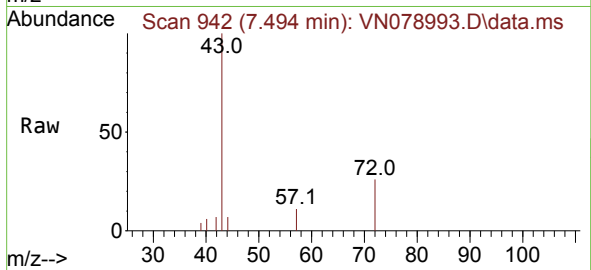




#25
2-Butanone
Concen: 8.728 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

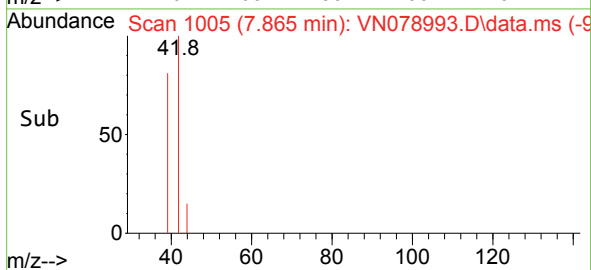
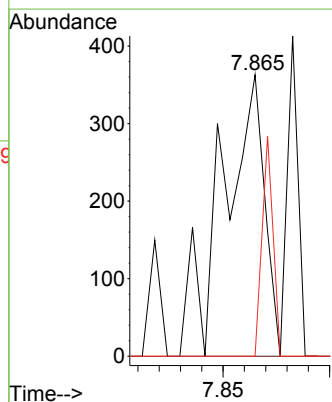
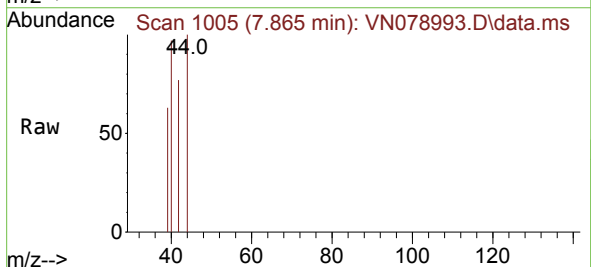
Instrument :
MSVOA_N
ClientSampleId :

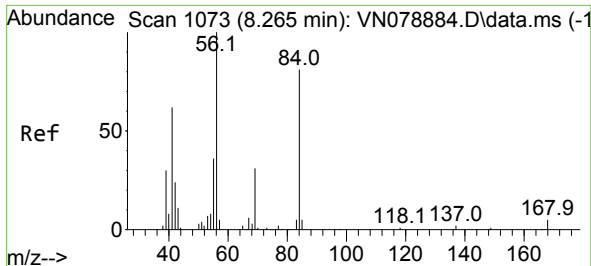
Tgt Ion: 43 Resp: 17041
Ion Ratio Lower Upper
43 100
72 26.5 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.388 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

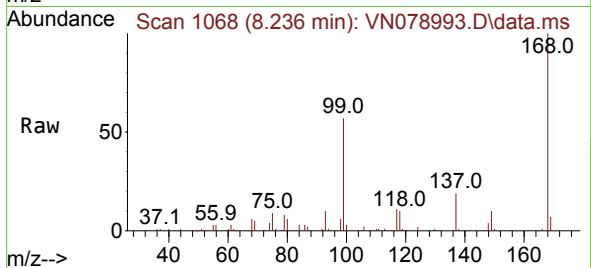
Tgt Ion: 42 Resp: 502
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 19.9 47.4 71.2#



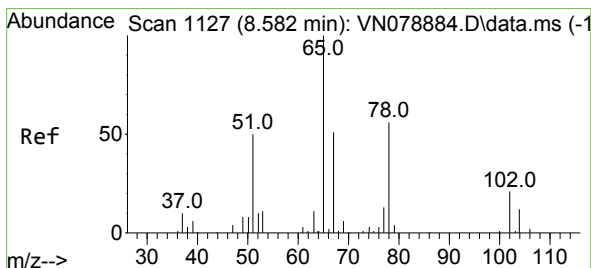
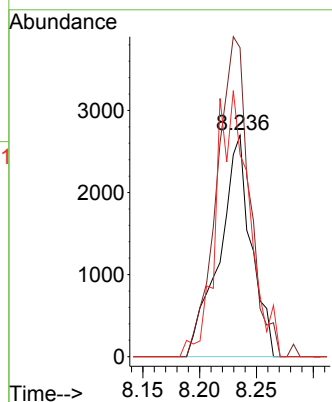
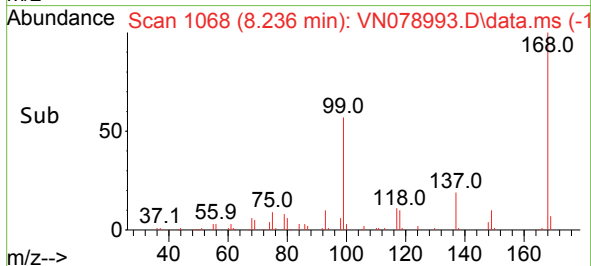


#31
Cyclohexane
Concen: Below Cal
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

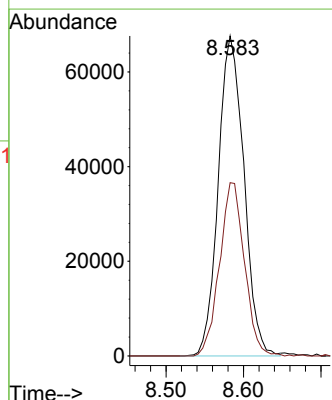
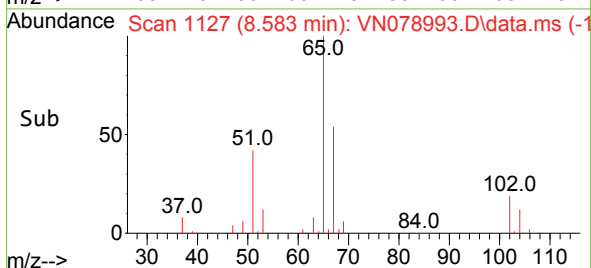
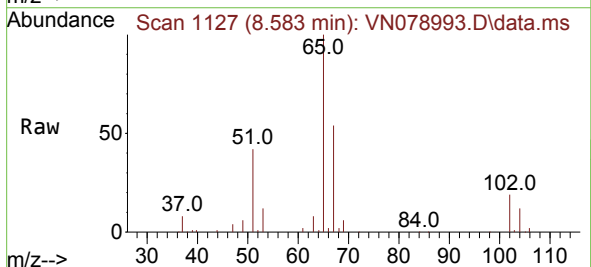


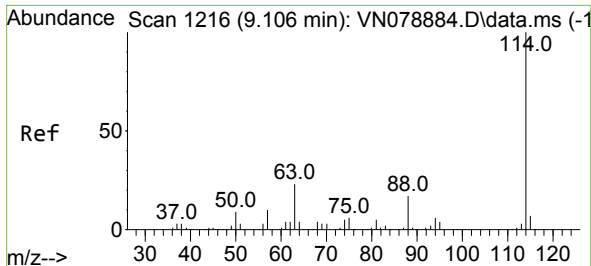
Tgt Ion: 56 Resp: 5205
Ion Ratio Lower Upper
56 100
69 139.6 26.8 40.2#
84 91.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.710 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 65 Resp: 155575
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

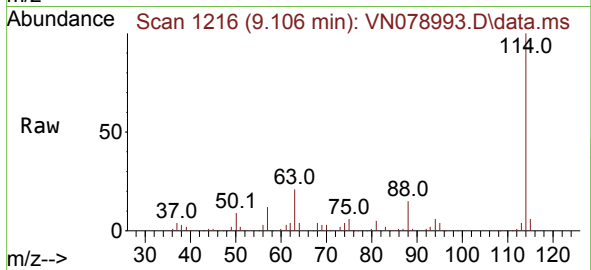
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Instrument :

MSVOA_N

ClientSampleId :



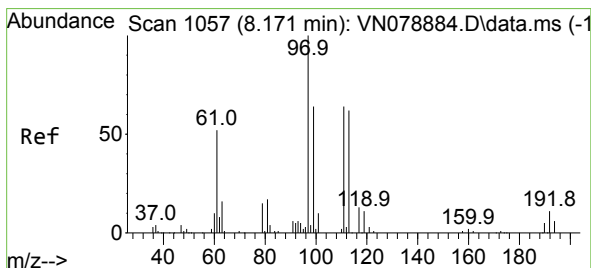
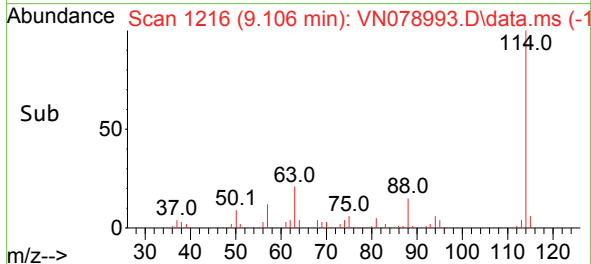
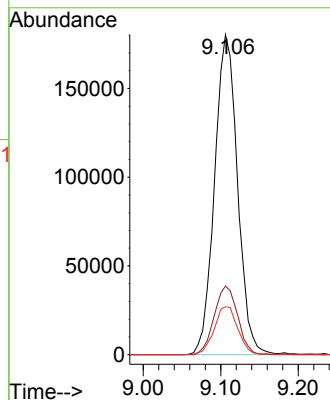
Tgt Ion:114 Resp: 371242

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.951 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078993.D

Acq: 22 Aug 2023 14:47

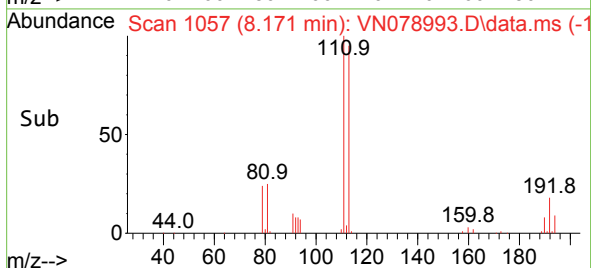
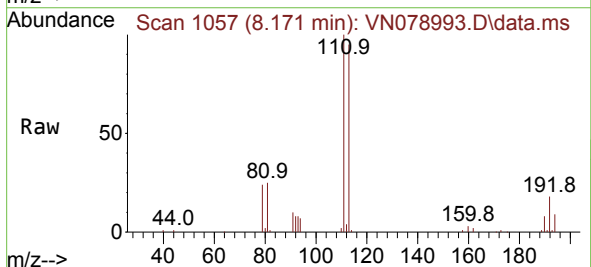
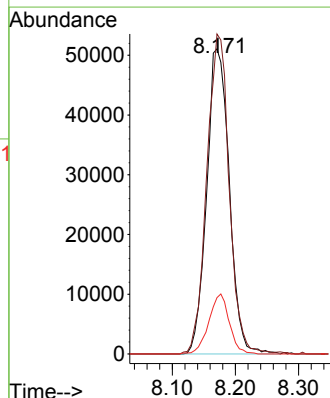
Tgt Ion:113 Resp: 127326

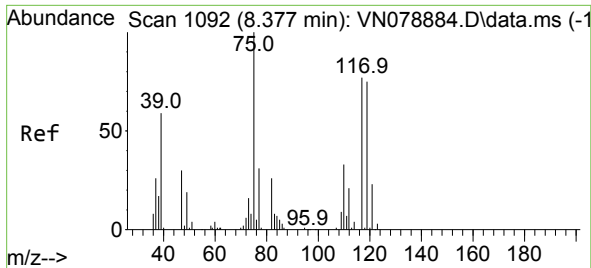
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

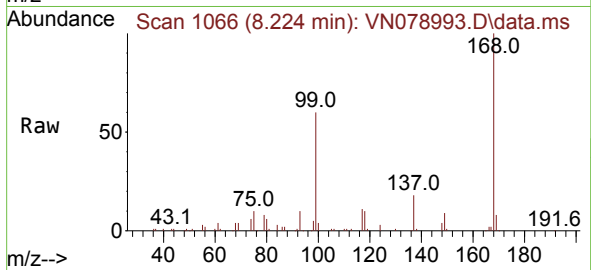
192 17.8 12.7 19.1



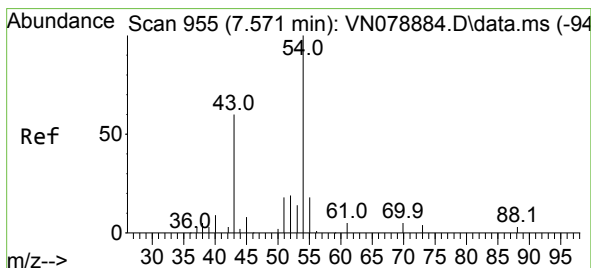
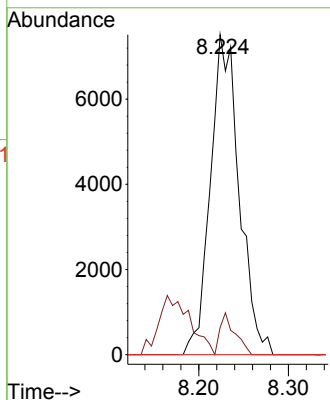
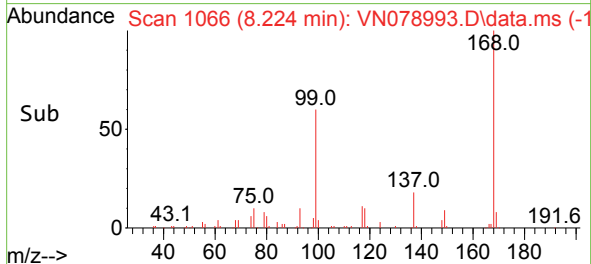


#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN078993.D
 Acq: 22 Aug 2023 14:47

Instrument :
 MSVOA_N
 ClientSampleId :

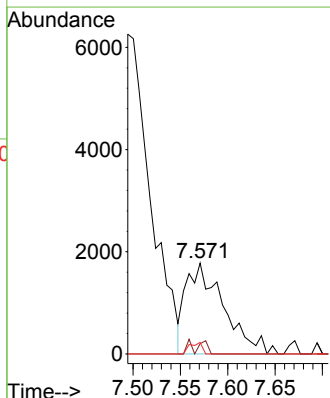
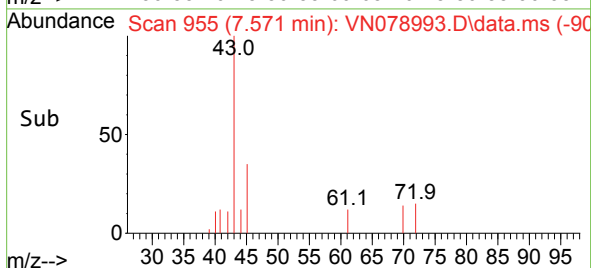
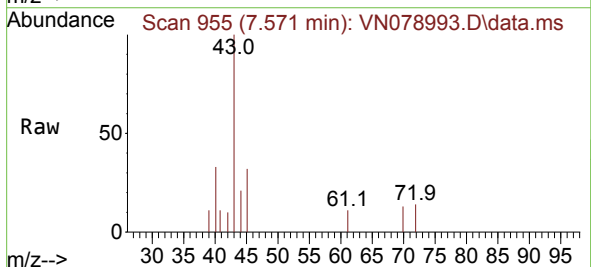


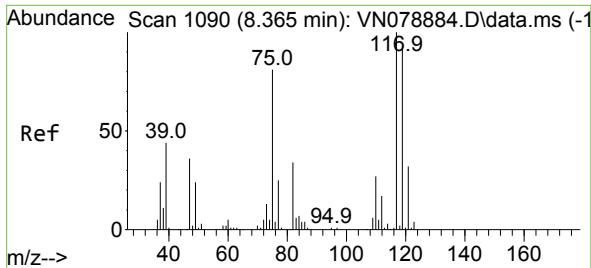
Tgt Ion: 75 Resp: 16766
 Ion Ratio Lower Upper
 75 100
 110 6.8 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.175 ug/l
 RT: 7.571 min Scan# 955
 Delta R.T. -0.000 min
 Lab File: VN078993.D
 Acq: 22 Aug 2023 14:47

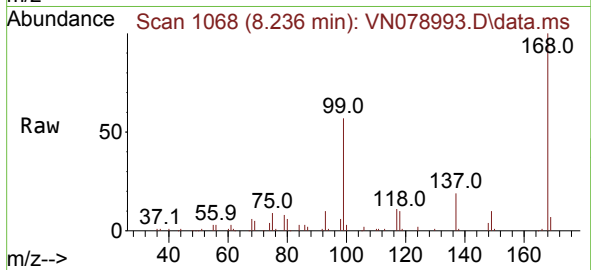
Tgt Ion: 43 Resp: 4944
 Ion Ratio Lower Upper
 43 100
 61 3.3 13.2 19.8#
 70 4.1 11.3 16.9#



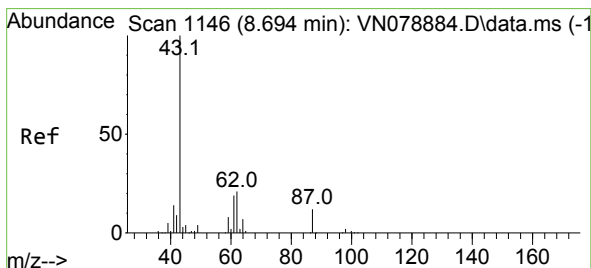
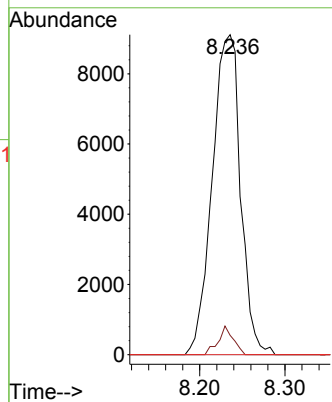
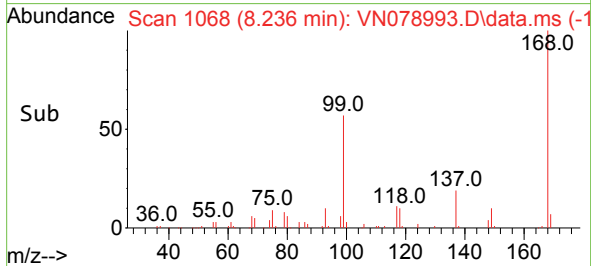


#38
Carbon Tetrachloride
Concen: 5.588 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

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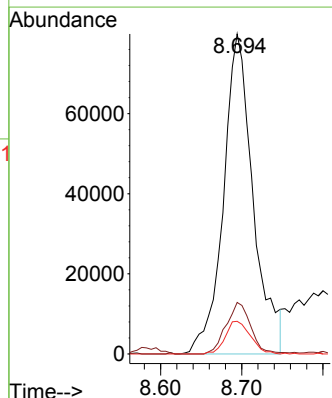
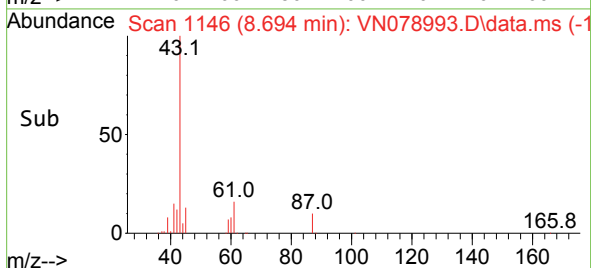
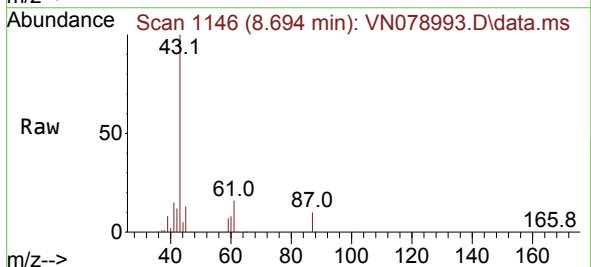


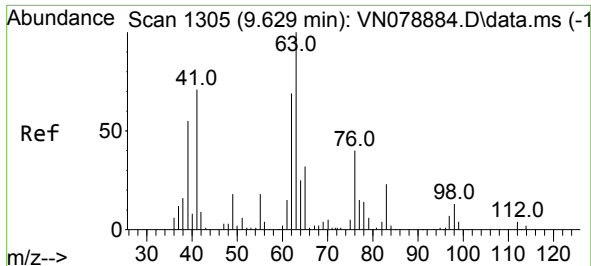
Tgt Ion:117 Resp: 21048
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 27.368 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 43 Resp: 203454
Ion Ratio Lower Upper
43 100
61 13.5 24.7 37.1#
87 8.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.626 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN078993.D

Acq: 22 Aug 2023 14:47

Instrument :

MSVOA_N

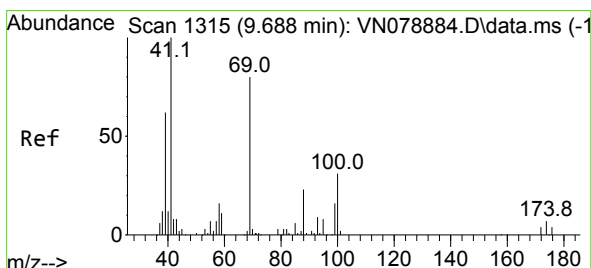
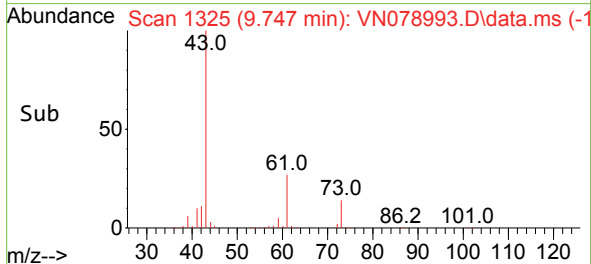
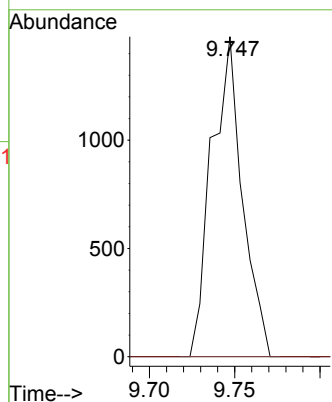
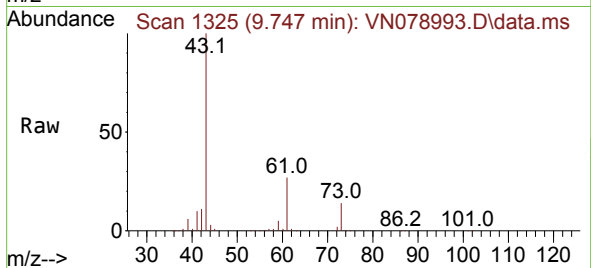
ClientSampleId :

Tgt Ion: 63 Resp: 1853

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 40.154 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN078993.D

Acq: 22 Aug 2023 14:47

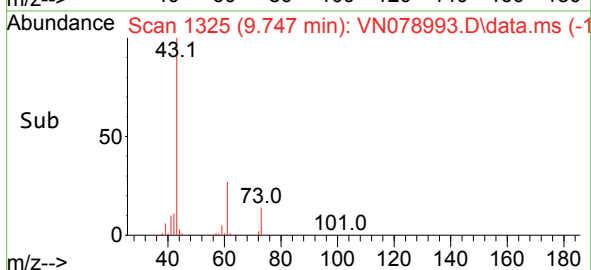
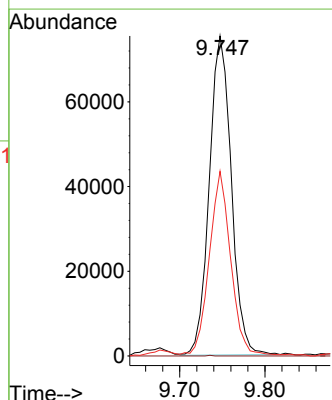
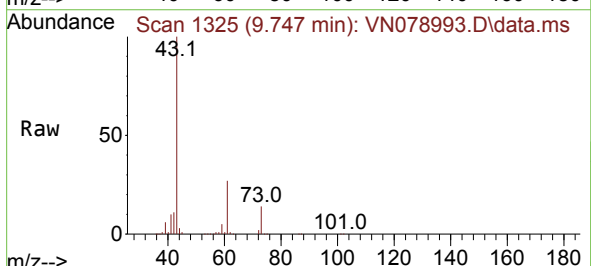
Tgt Ion: 41 Resp: 135267

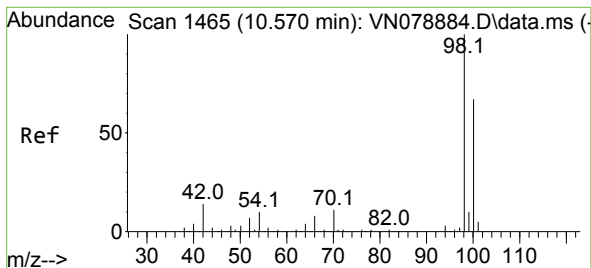
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 55.5 54.6 81.8





#50

Toluene-d8

Concen: 50.414 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078993.D

Acq: 22 Aug 2023 14:47

Instrument :

MSVOA_N

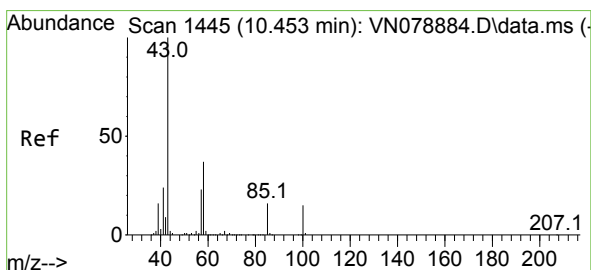
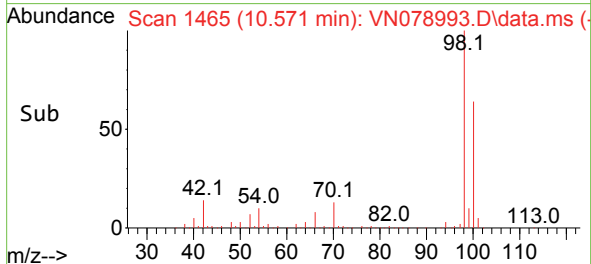
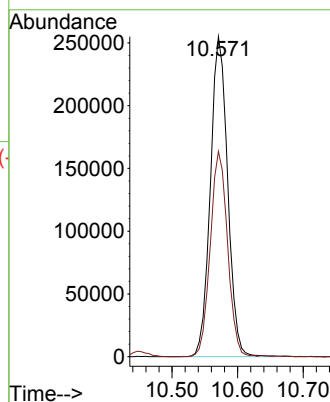
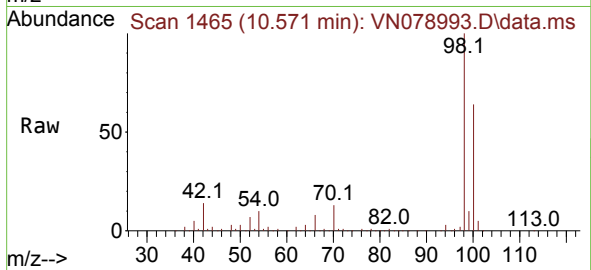
ClientSampleId :

Tgt Ion: 98 Resp: 467793

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 14.592 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN078993.D

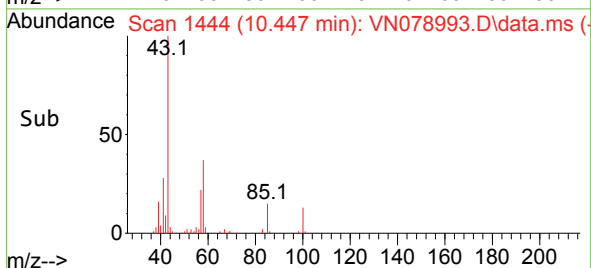
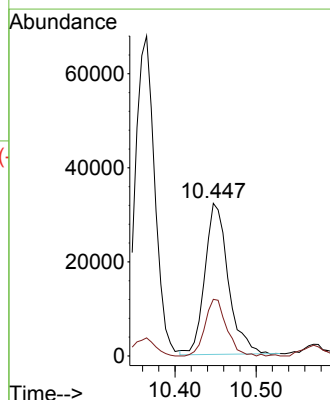
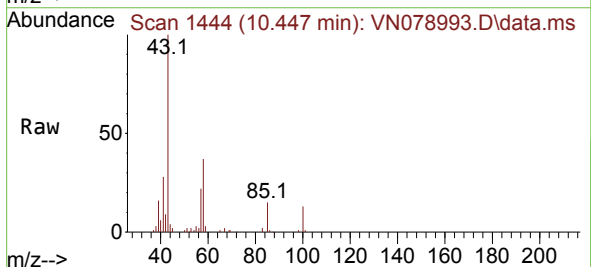
Acq: 22 Aug 2023 14:47

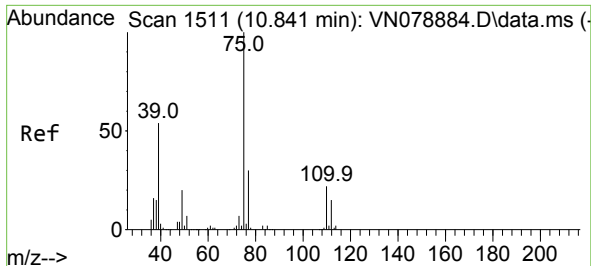
Tgt Ion: 43 Resp: 64337

Ion Ratio Lower Upper

43 100

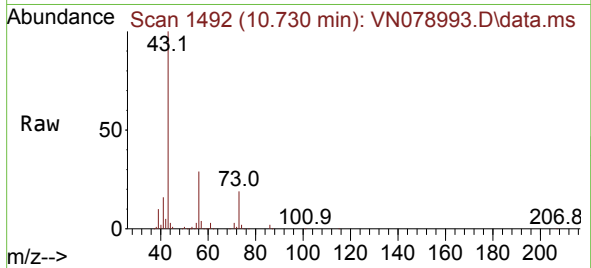
58 34.7 36.6 54.8#



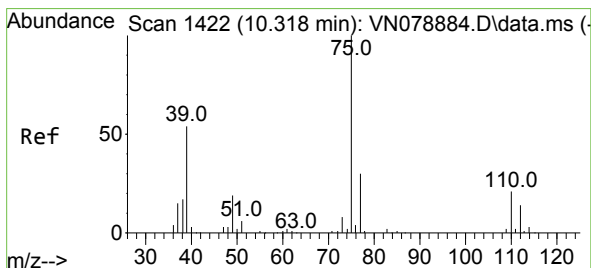
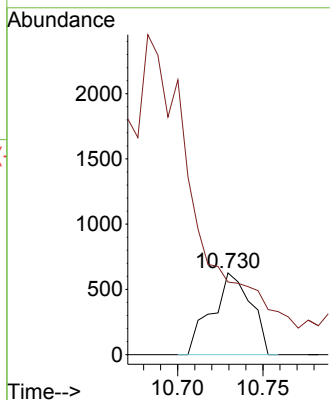
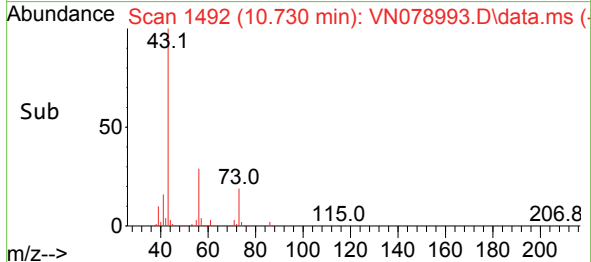


#53
t-1,3-Dichloropropene
Concen: 0.232 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.111 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

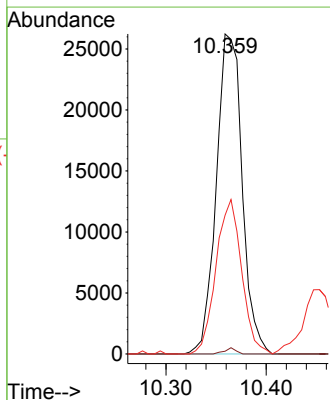
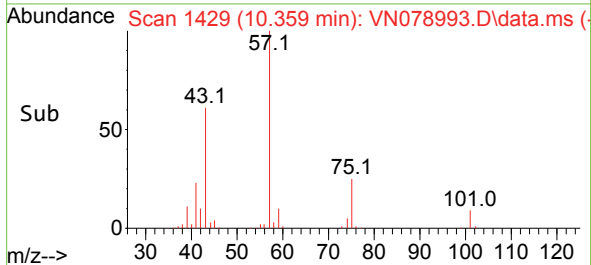
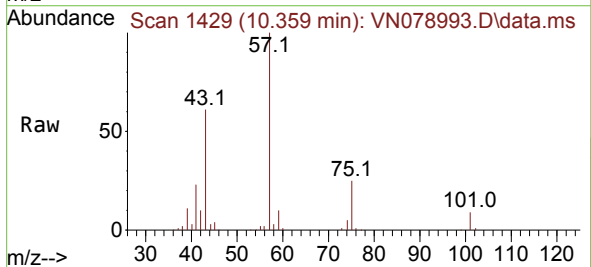


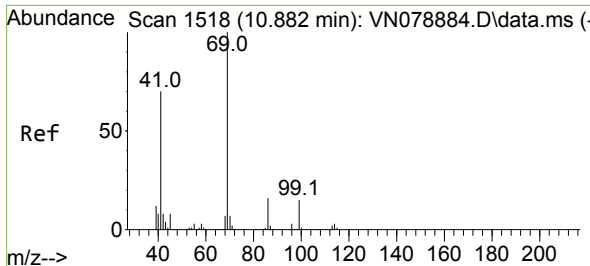
Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
77 36.3 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 10.026 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

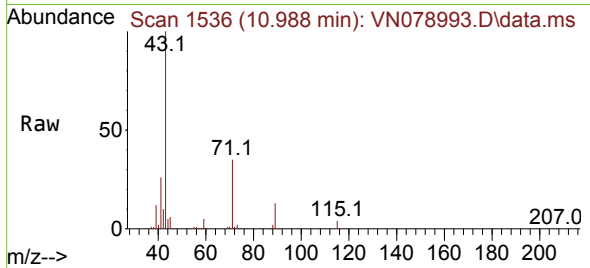
Tgt Ion: 75 Resp: 46920
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 43.4 31.6 47.4



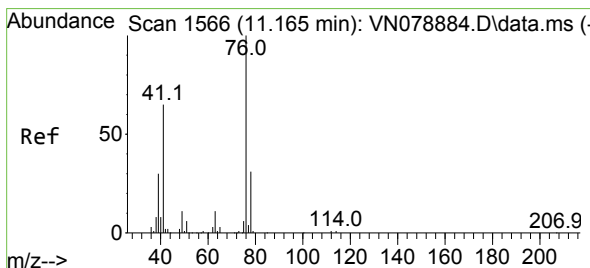
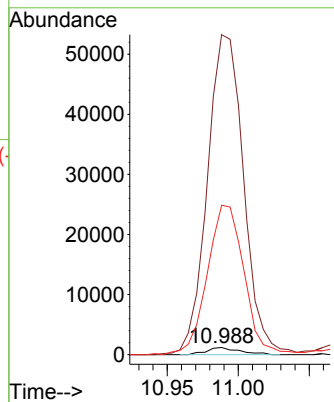
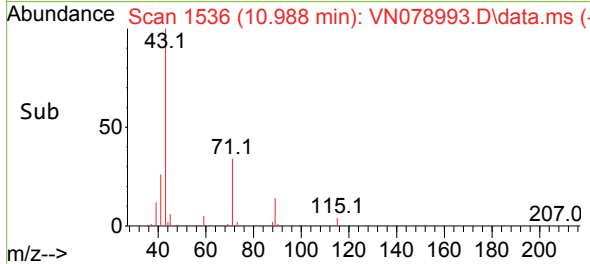


#56
Ethyl methacrylate
Concen: 0.461 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

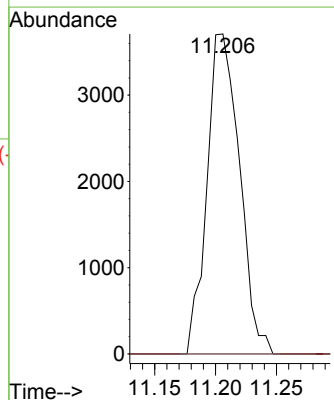
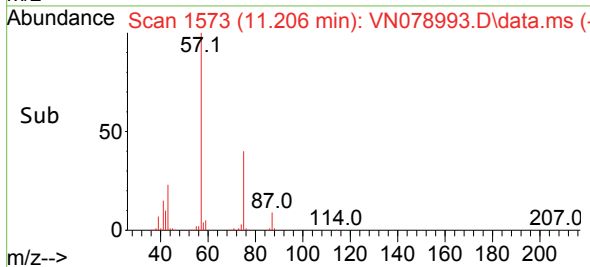
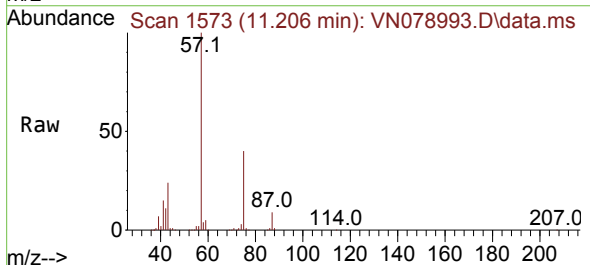


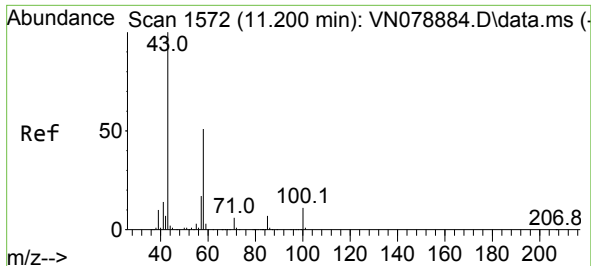
Tgt Ion: 69 Resp: 1956
Ion Ratio Lower Upper
69 100
41 4844.0 39.6 59.4#
39 2287.6 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.411 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 76 Resp: 6901
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

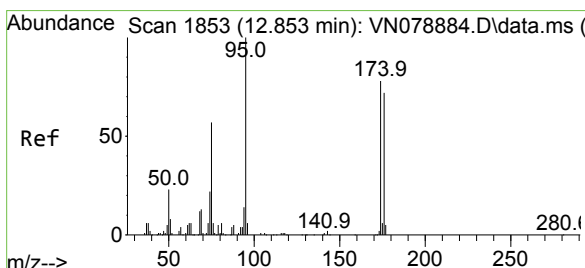
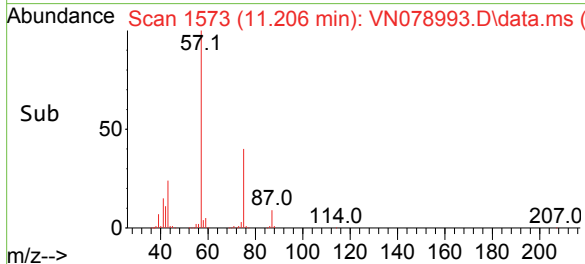
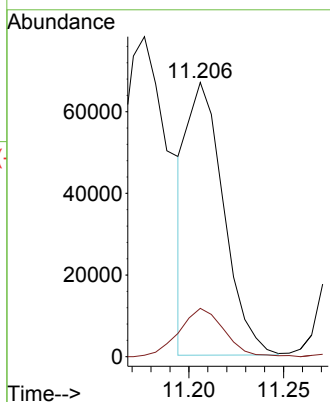
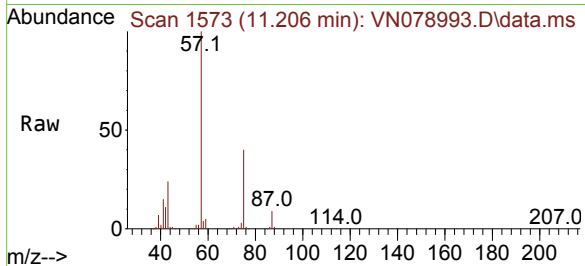




#59
2-Hexanone
Concen: 28.260 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

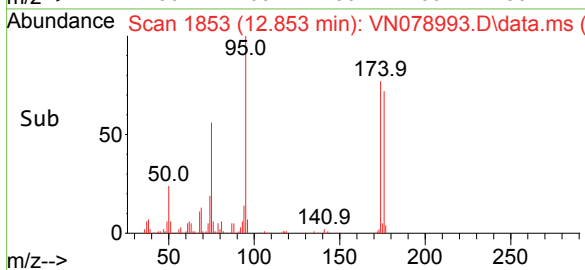
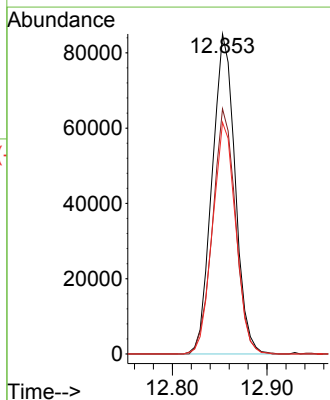
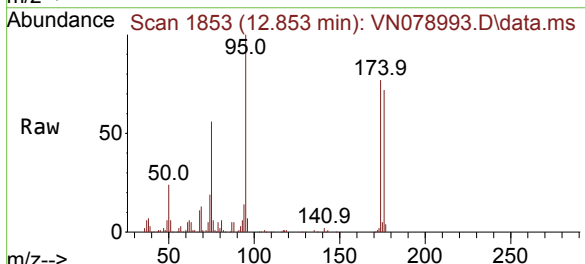
Instrument :
MSVOA_N
ClientSampleId :

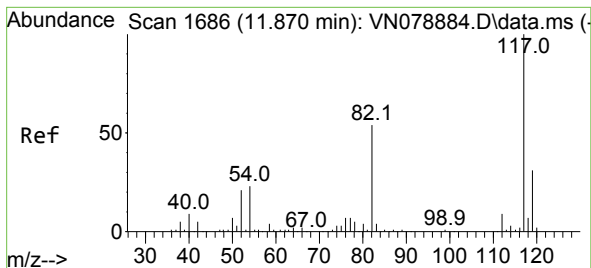
Tgt Ion: 43 Resp: 90249
Ion Ratio Lower Upper
43 100
58 21.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.180 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 95 Resp: 143094
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 73.0 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: VN078993.D

Acq: 22 Aug 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :

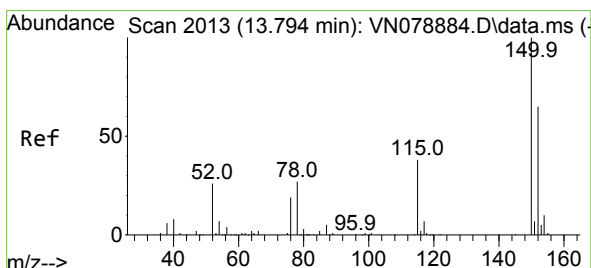
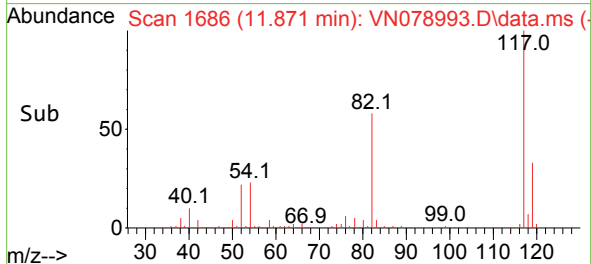
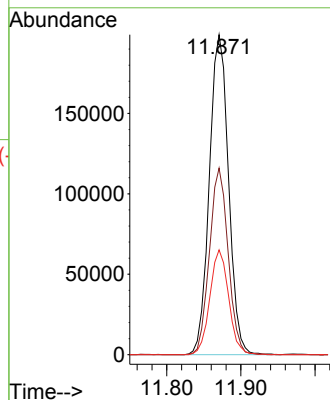
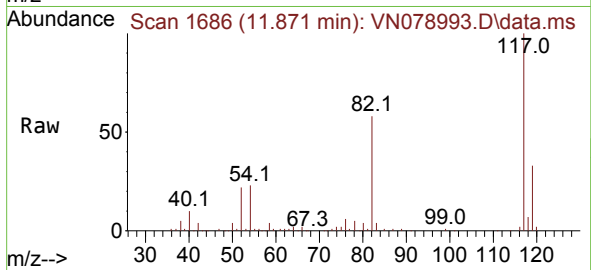
Tgt Ion:117 Resp: 358042

Ion Ratio Lower Upper

117 100

82 58.3 44.0 66.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN078993.D

Acq: 22 Aug 2023 14:47

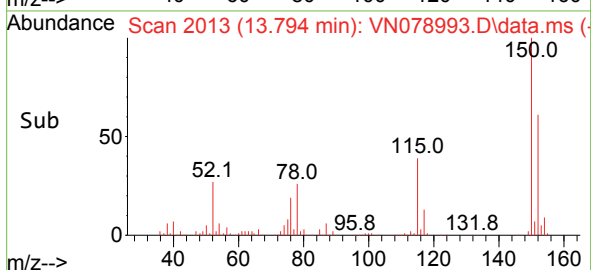
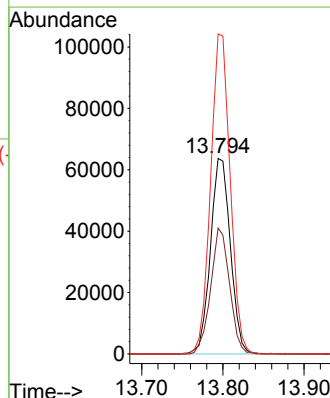
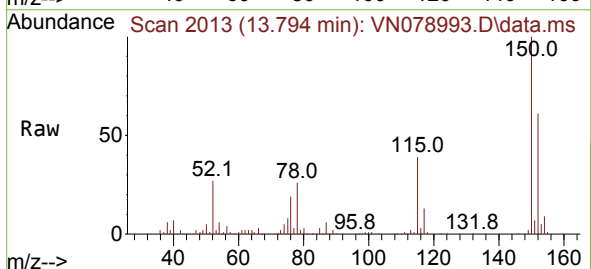
Tgt Ion:152 Resp: 108481

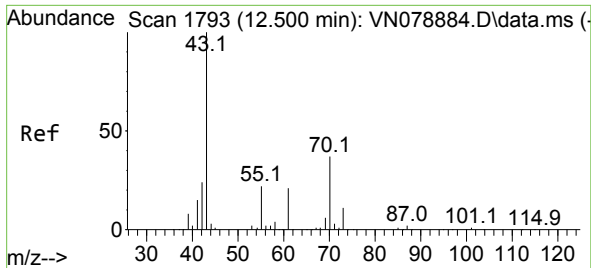
Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

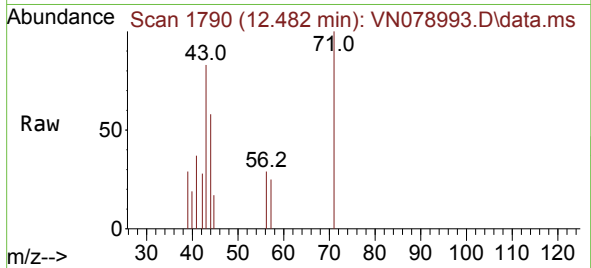
150 160.5 0.0 355.8



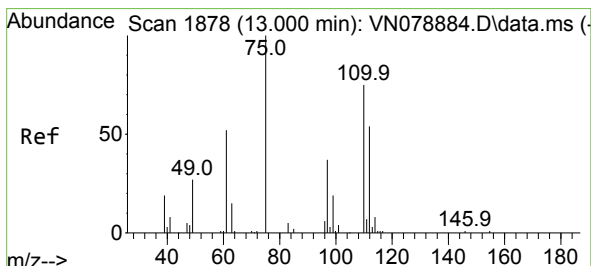
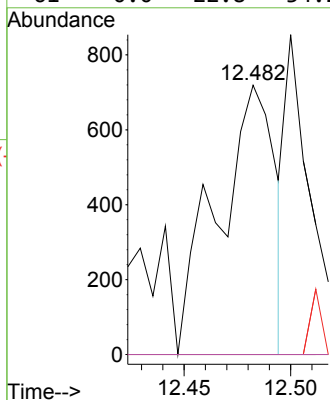
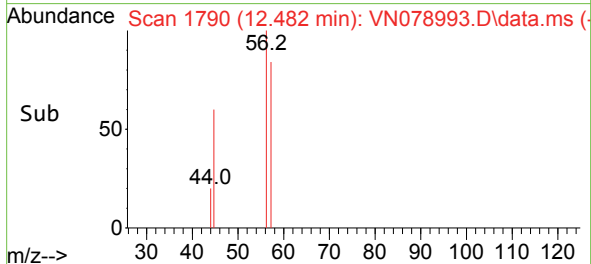


#74
N-amy1 acetate
Concen: 0.295 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

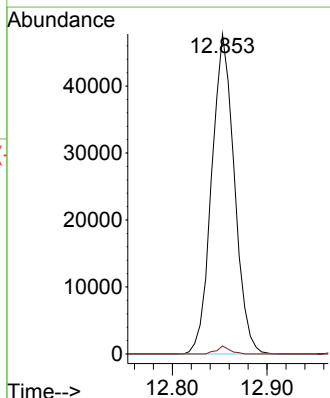
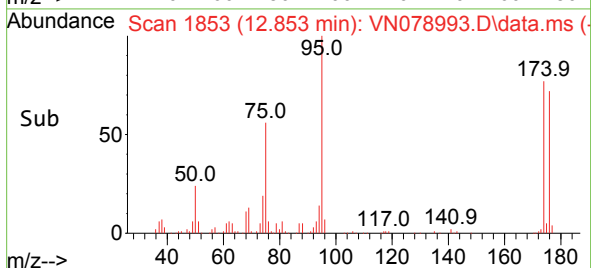
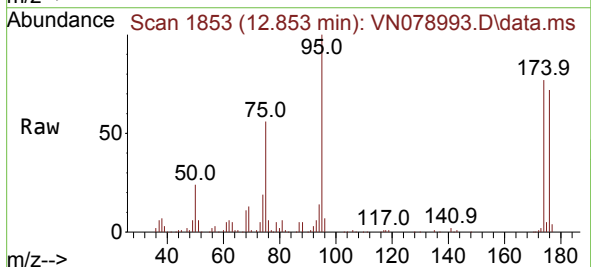


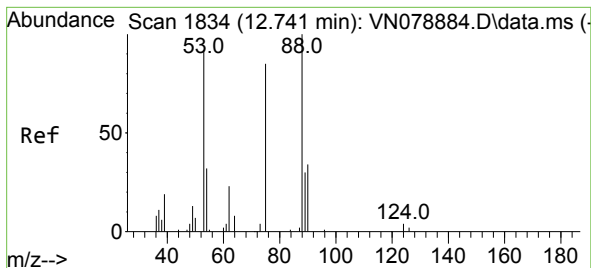
Tgt Ion: 43	Resp: 1345
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 30.408 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion: 75	Resp: 79482
Ion Ratio	Lower Upper
75 100	
77 1.4	84.5 253.5#

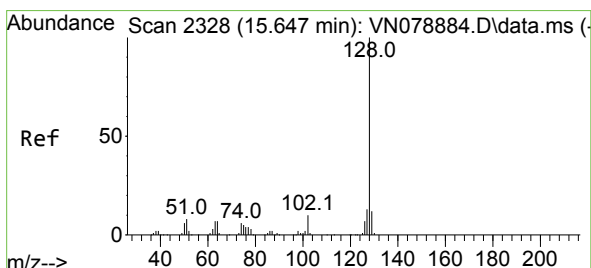
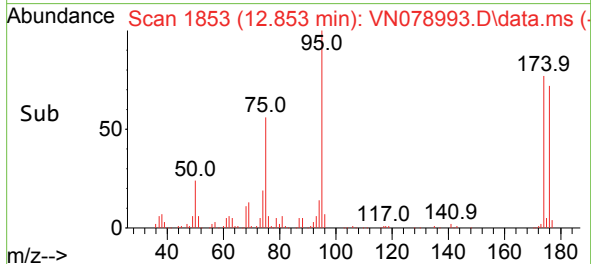
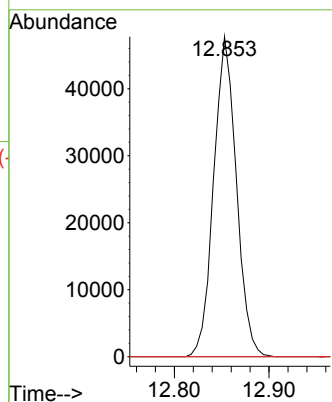
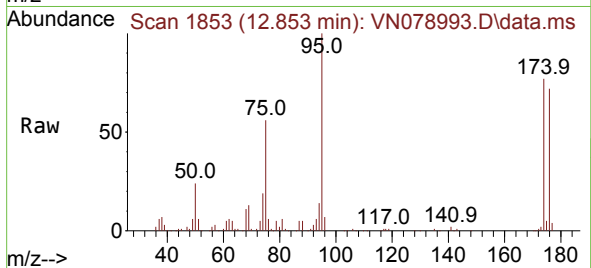




#81
trans-1,4-Dichloro-2-butene
Concen: 77.679 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 79482
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.588 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078993.D
Acq: 22 Aug 2023 14:47

Tgt Ion:128 Resp: 72
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

