

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079384.D
 Acq On : 30 Sep 2023 14:10
 Operator : JC\MD
 Sample : PB155992ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:55:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

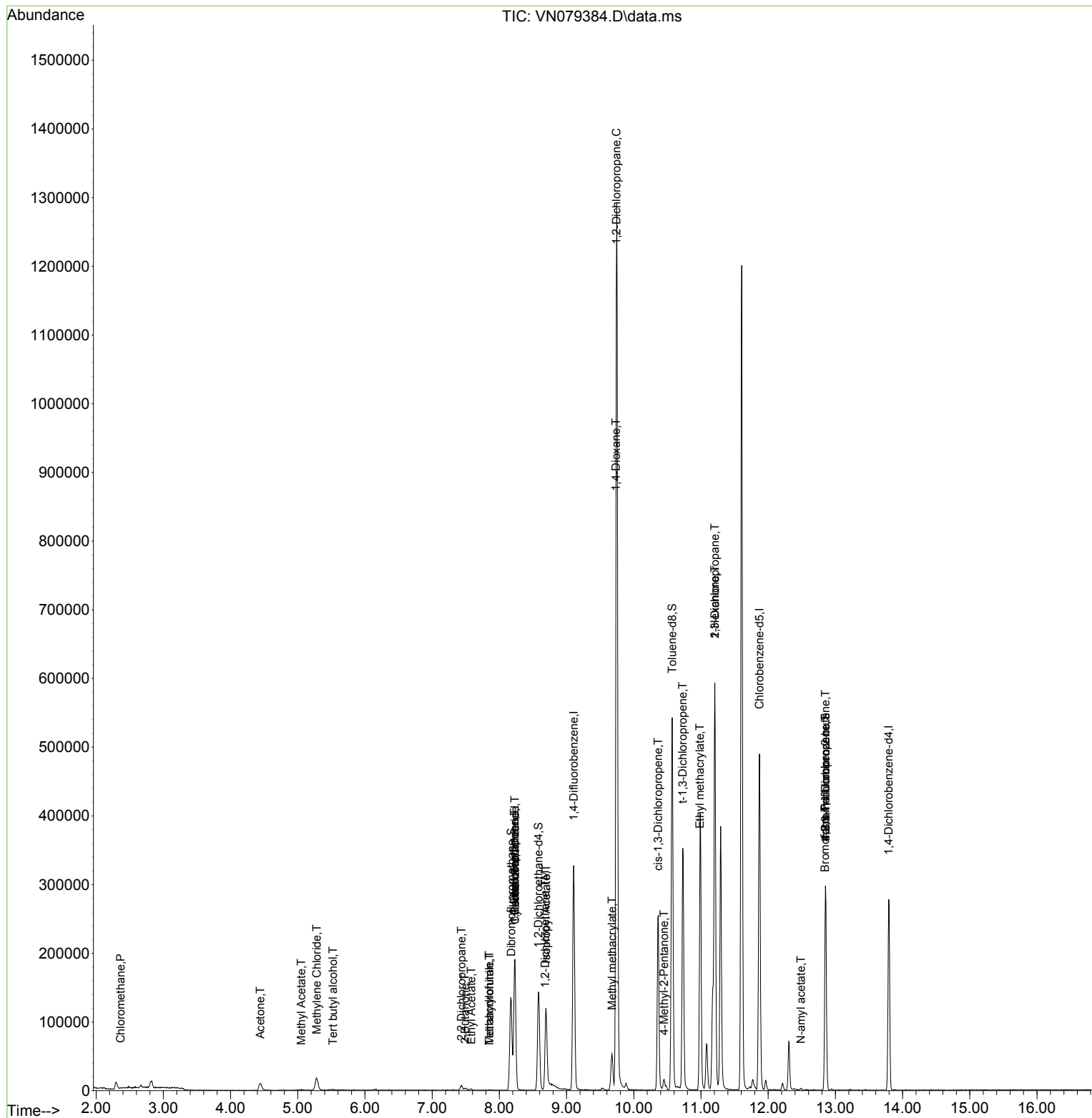
Internal Standards						
1) Pentafluorobenzene	8.229	168	132790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	273130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117614	65.613	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 131.220%#			
35) Dibromofluoromethane	8.177	113	96288	53.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.571	98	364683	55.142	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.280%			
62) 4-Bromofluorobenzene	12.853	95	97961	46.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	470	0.272	ug/l #	42
6) Chloroethane	3.118	64	217	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	672	2.031	ug/l #	72
16) Acetone	4.442	43	21715	28.524	ug/l #	77
18) Methyl Acetate	5.053	43	1891	0.604	ug/l #	50
20) Methylene Chloride	5.283	84	12866	6.945	ug/l #	83
25) 2-Butanone	7.488	43	5042	4.565	ug/l #	58
26) 2,2-Dichloropropane	7.435	77	538	0.215	ug/l #	53
29) Tetrahydrofuran	7.853	42	266	0.378	ug/l #	20
31) Cyclohexane	8.235	56	3723	1.422	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	12021	4.330	ug/l #	46
37) Ethyl Acetate	7.582	43	3310	1.195	ug/l #	65
38) Carbon Tetrachloride	8.229	117	15498	5.394	ug/l #	16
41) Methacrylonitrile	7.853	41	336	0.241	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	896	0.306	ug/l #	73
43) Isopropyl Acetate	8.694	43	139894	30.962	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1610	0.763	ug/l #	45
48) Methyl methacrylate	9.676	41	3985	1.969	ug/l #	29
49) 1,4-Dioxane	9.735	88	58	1.393	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14592	5.563	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	906	0.293	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	43870	13.264	ug/l #	71
56) Ethyl methacrylate	10.982	69	2233	0.772	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5973	1.686	ug/l #	42
59) 2-Hexanone	11.206	43	75376	39.678	ug/l #	48
71) Bromoform	12.847	173	411	0.240	ug/l #	1
74) N-amyl acetate	12.488	43	1676	0.670	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	57304	29.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57304	80.656	ug/l #	15

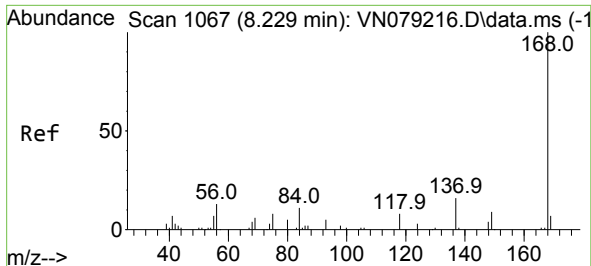
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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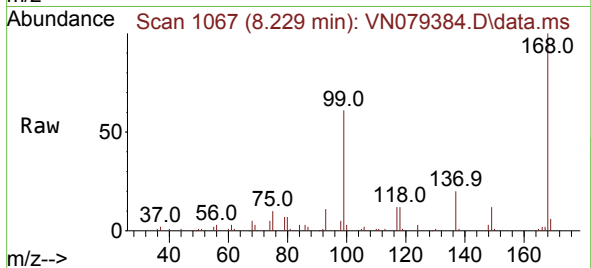
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



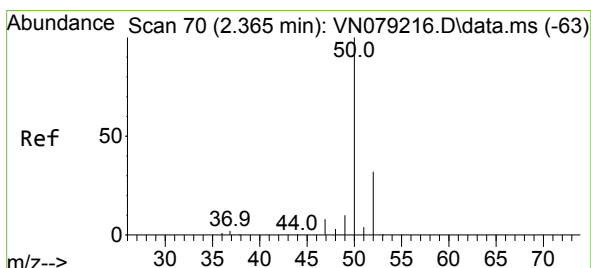
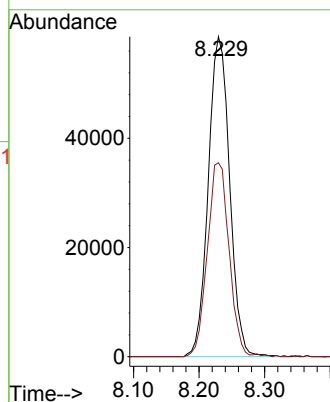
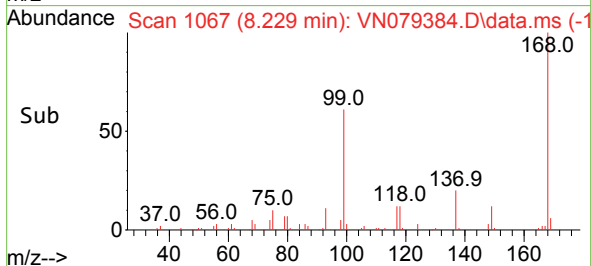


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :

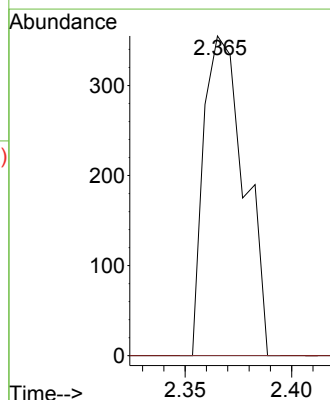
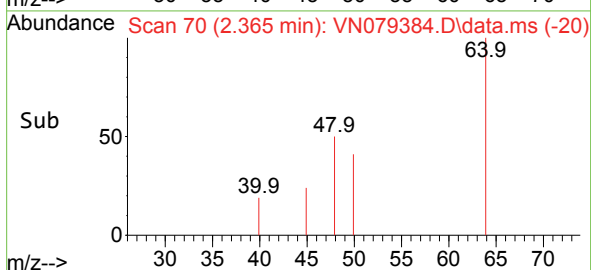
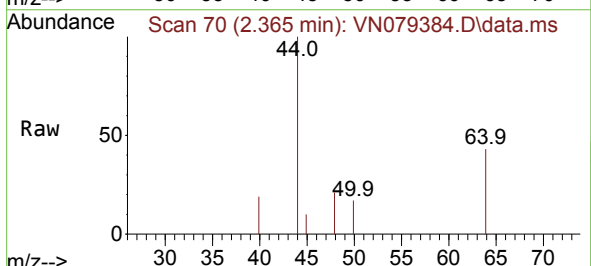


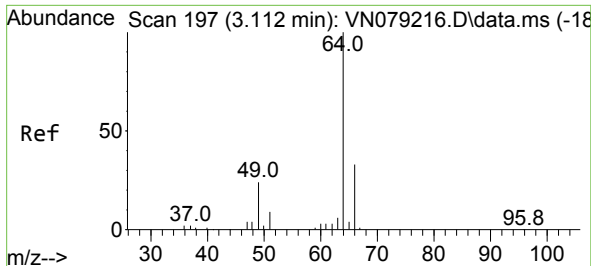
Tgt Ion:168 Resp: 132790
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: 0.272 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 50 Resp: 470
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

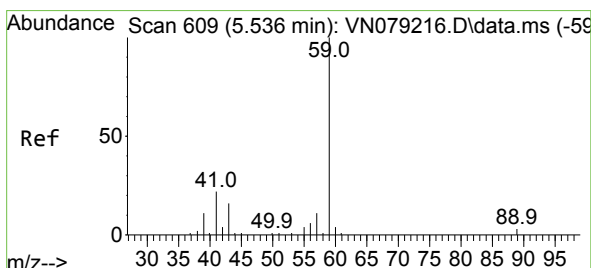
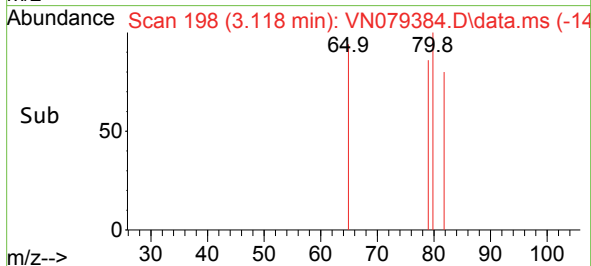
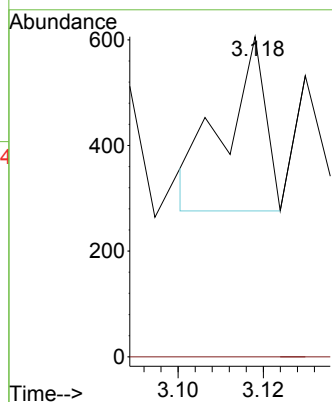
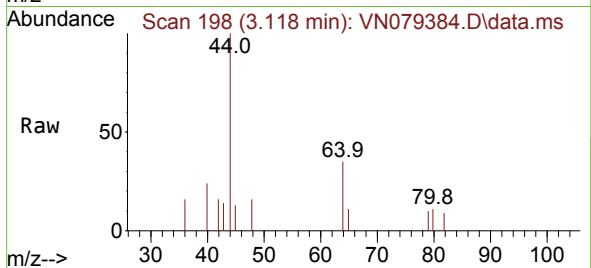




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

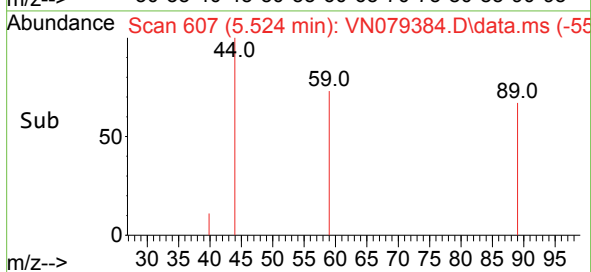
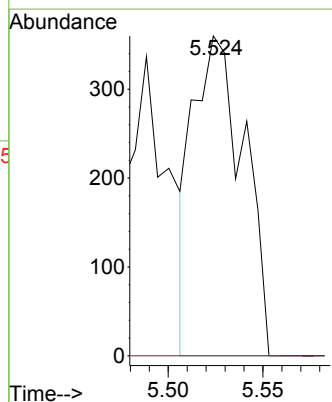
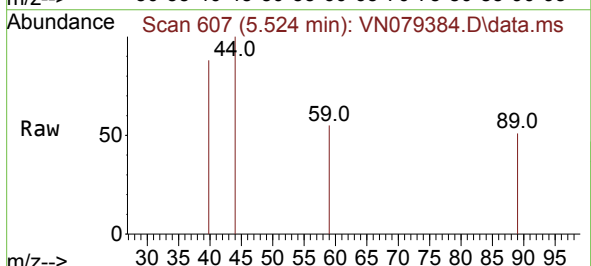
Instrument :
MSVOA_N
ClientSampleId :

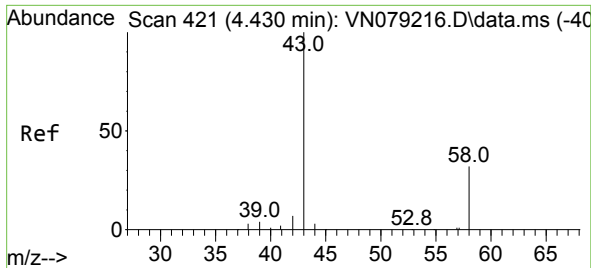
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.031 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

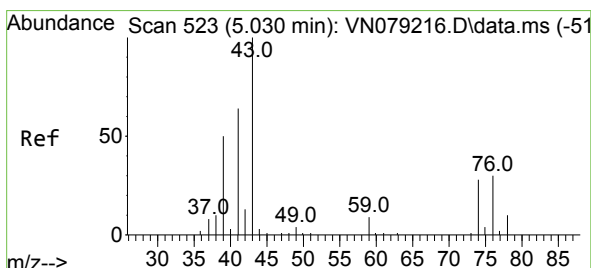
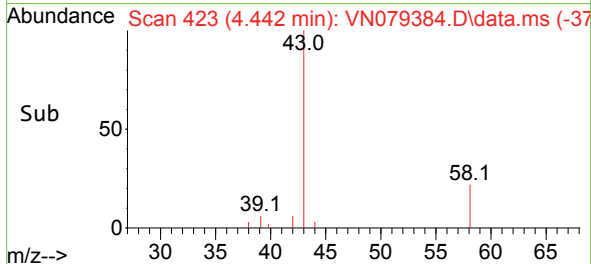
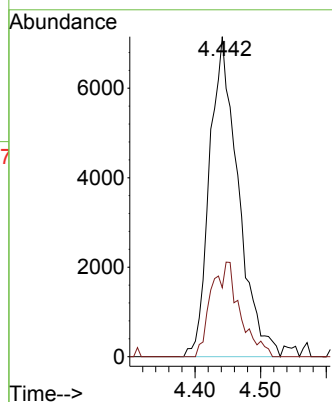
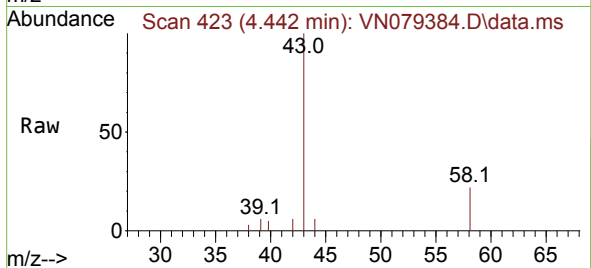




#16
Acetone
Concen: 28.524 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

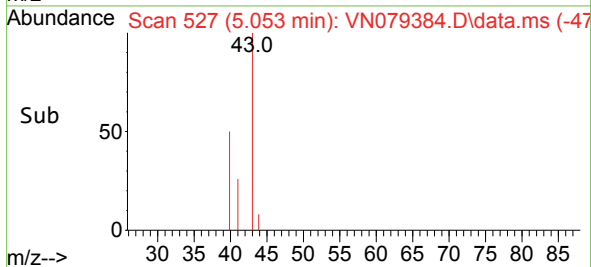
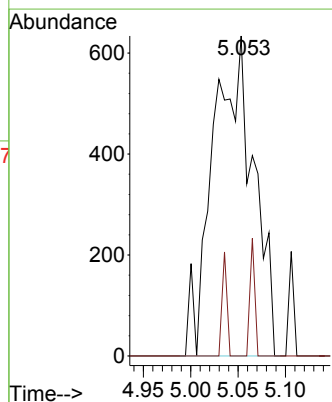
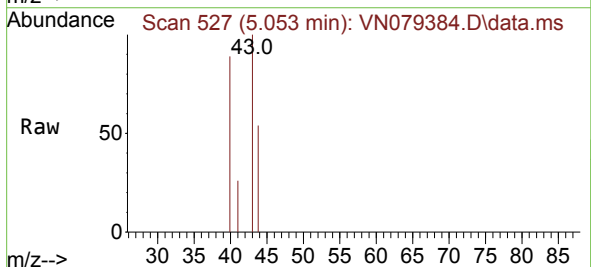
Instrument :
MSVOA_N
ClientSampleId :

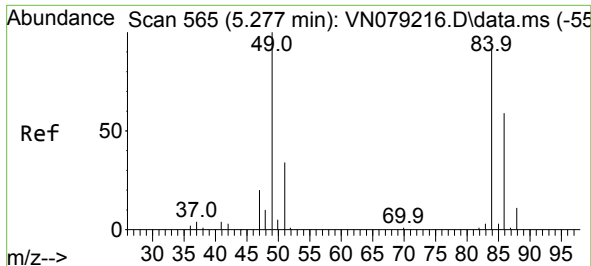
Tgt Ion: 43 Resp: 21715
Ion Ratio Lower Upper
43 100
58 21.6 28.0 42.0#



#18
Methyl Acetate
Concen: 0.604 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

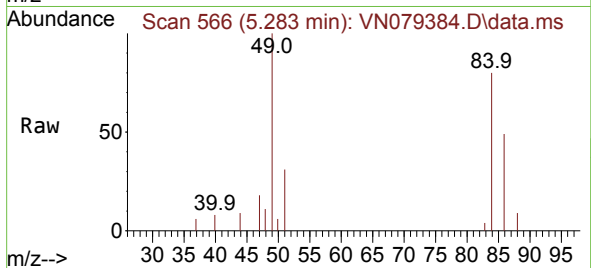
Tgt Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#



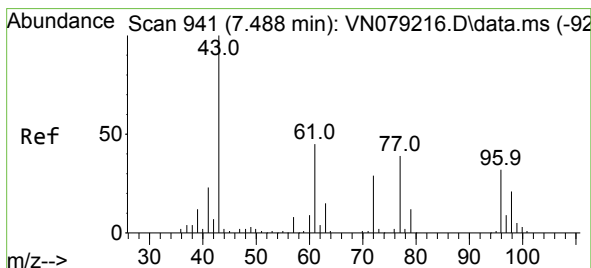
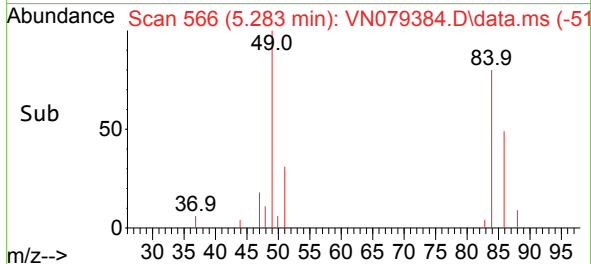
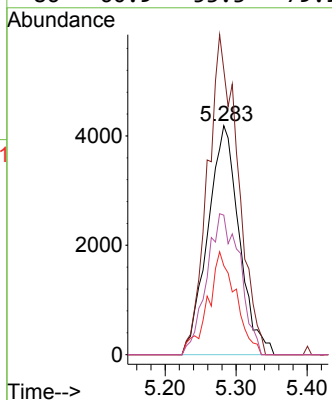


#20
Methylene Chloride
Concen: 6.945 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :

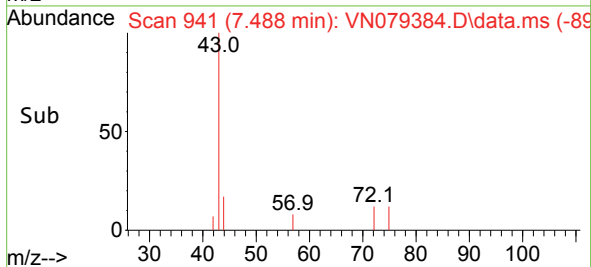
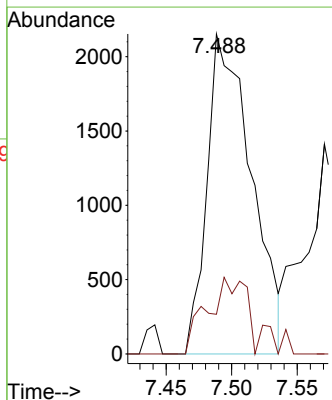
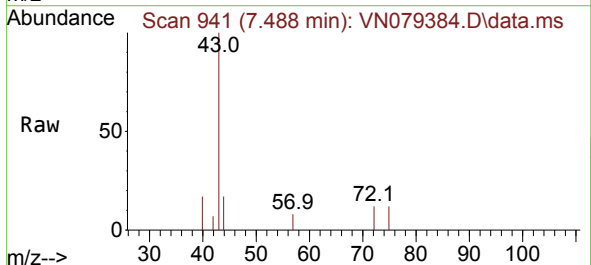


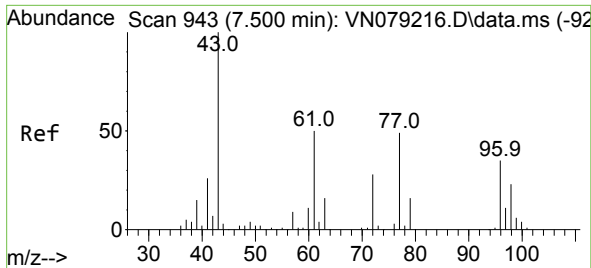
Tgt Ion:	84	Resp:	12866
Ion	Ratio	Lower	Upper
84	100		
49	124.4	79.7	119.5#
51	38.8	25.2	37.8#
86	60.9	53.3	79.9



#25
2-Butanone
Concen: 4.565 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion:	43	Resp:	5042
Ion	Ratio	Lower	Upper
43	100		
72	12.4	30.2	45.2#

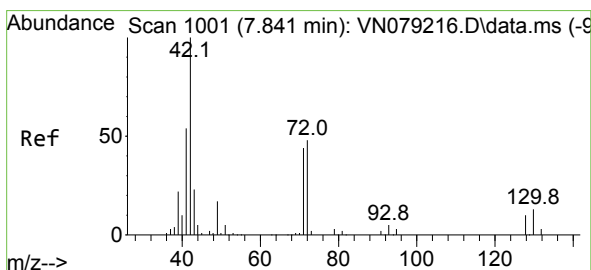
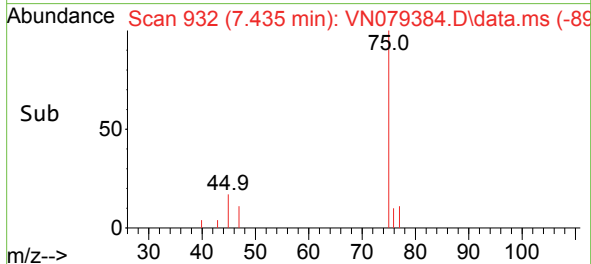
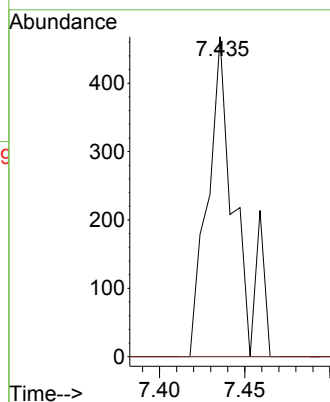
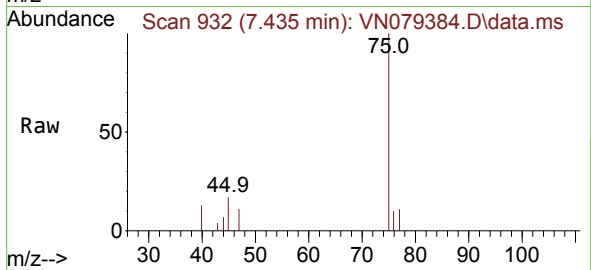




#26
2,2-Dichloropropane
Concen: 0.215 ug/l
RT: 7.435 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

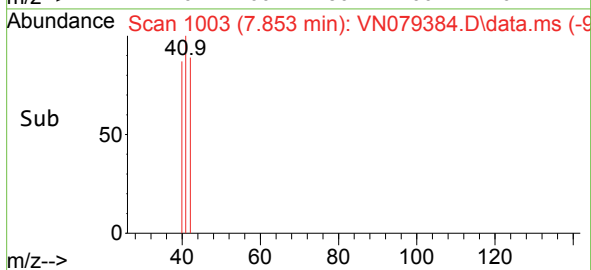
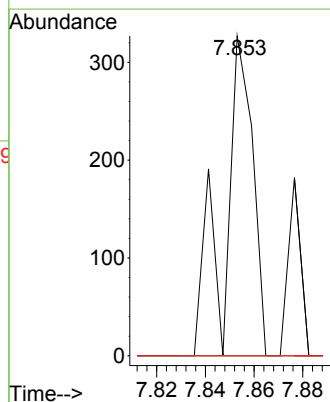
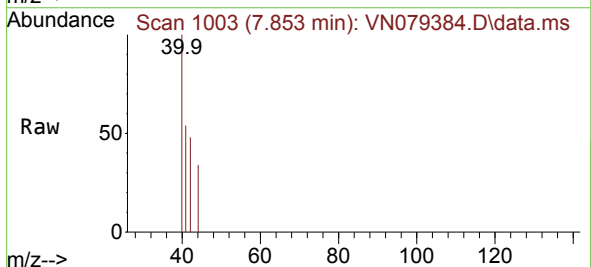
Instrument :
MSVOA_N
ClientSampleId :

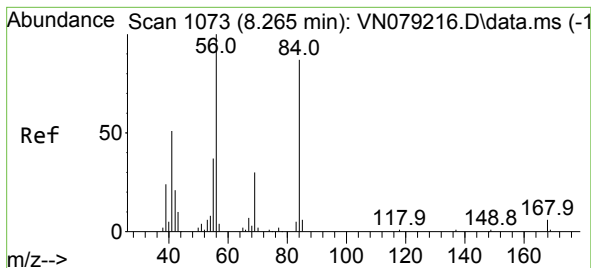
Tgt Ion: 77 Resp: 538
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#29
Tetrahydrofuran
Concen: 0.378 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 42 Resp: 266
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.422 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

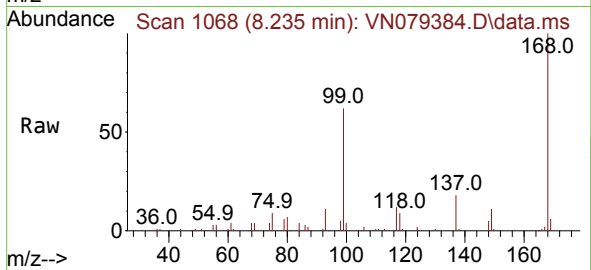
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Instrument :

MSVOA_N

ClientSampleId :



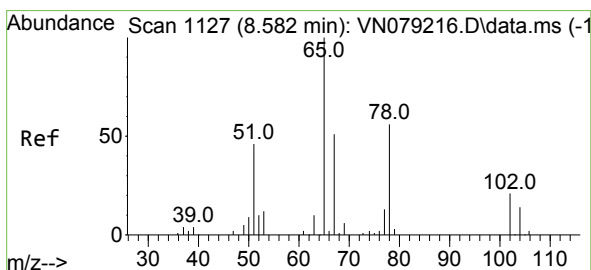
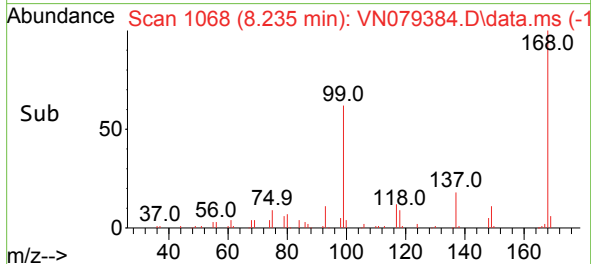
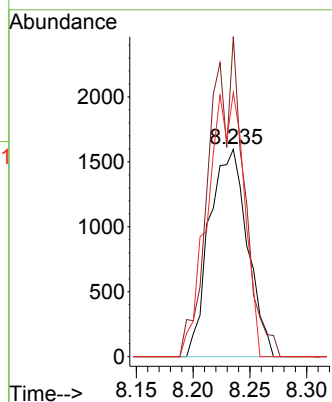
Tgt Ion: 56 Resp: 3723

Ion Ratio Lower Upper

56 100

69 154.3 26.8 40.2#

84 127.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 65.613 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079384.D

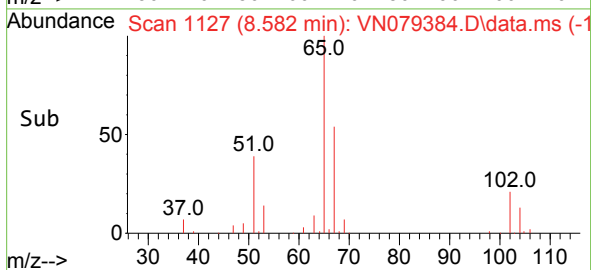
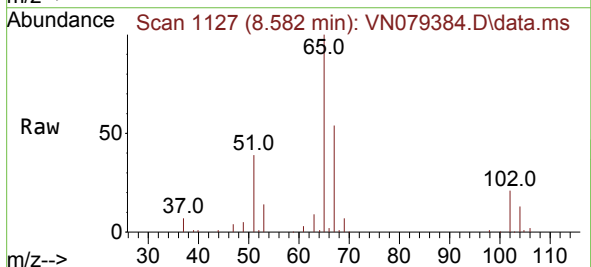
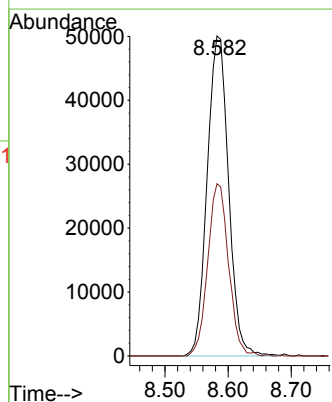
Acq: 30 Sep 2023 14:10

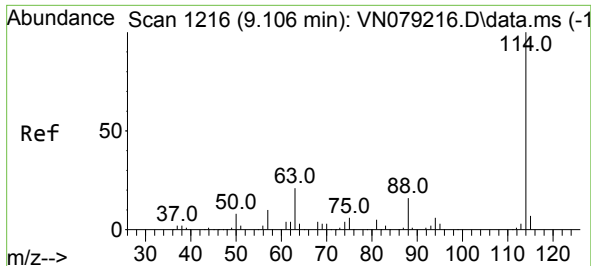
Tgt Ion: 65 Resp: 117614

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

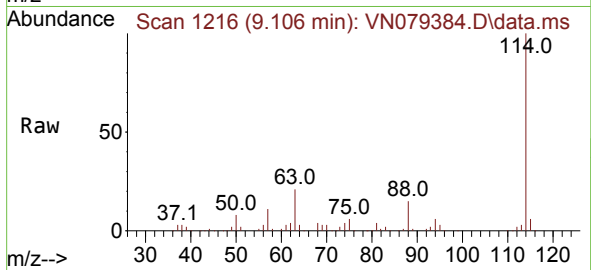
Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

Instrument :

MSVOA_N

ClientSampleId :



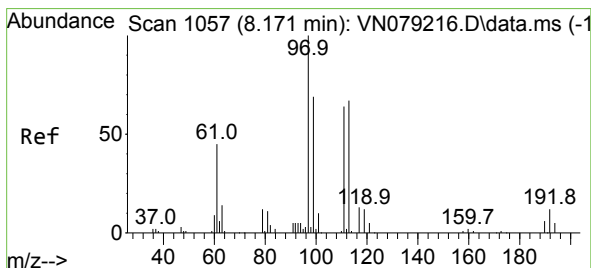
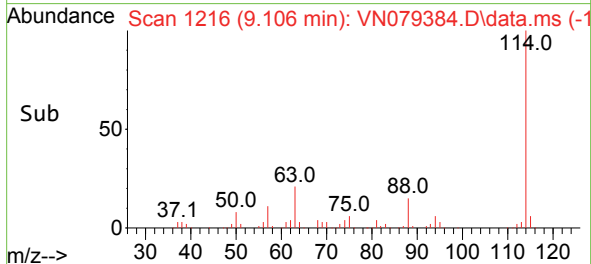
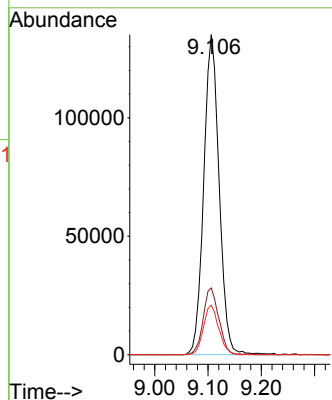
Tgt Ion:114 Resp: 270776

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.459 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

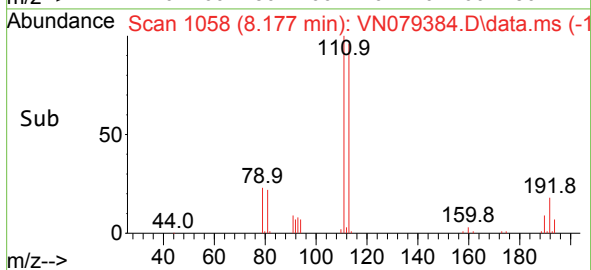
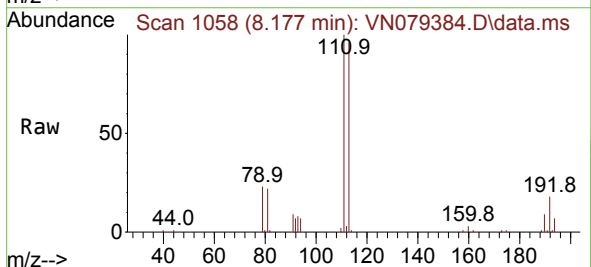
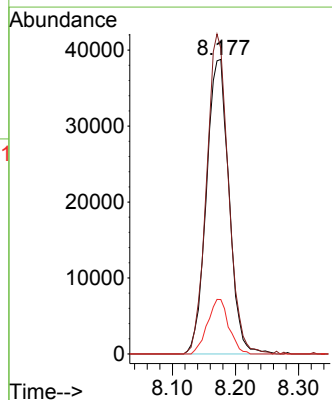
Tgt Ion:113 Resp: 96288

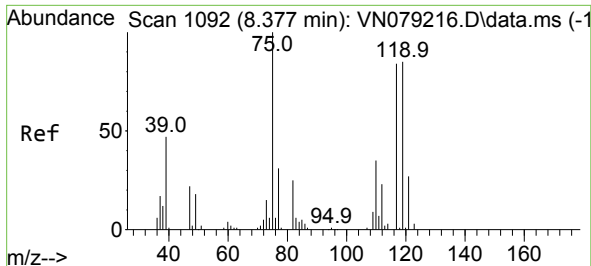
Ion Ratio Lower Upper

113 100

111 105.2 82.6 123.8

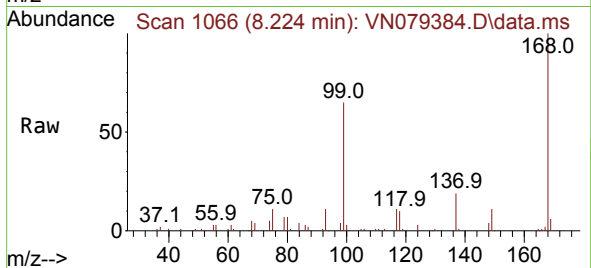
192 17.4 12.7 19.1



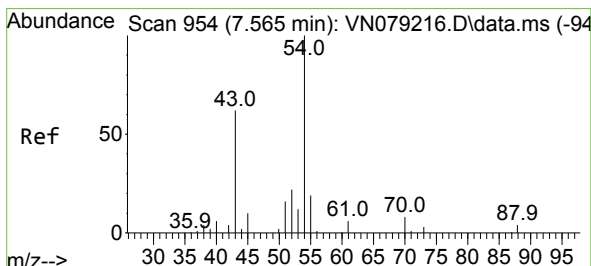
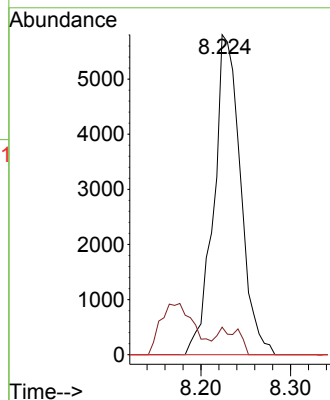
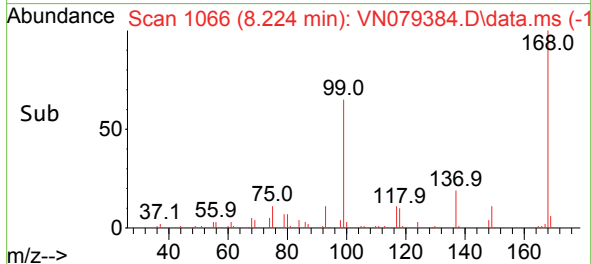


#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :

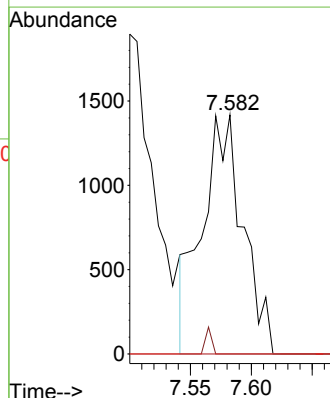
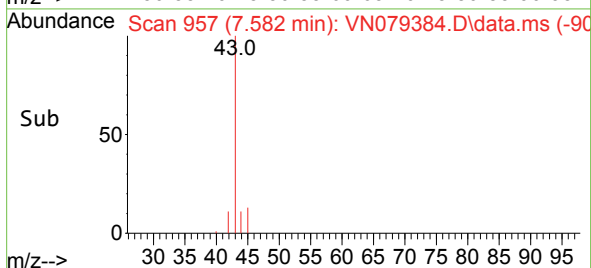
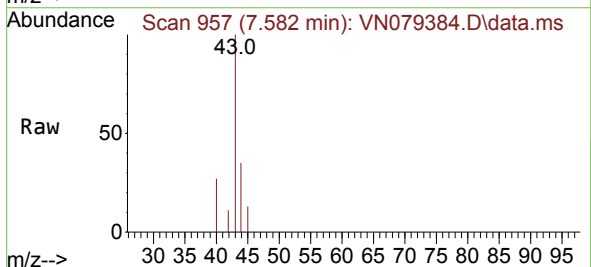


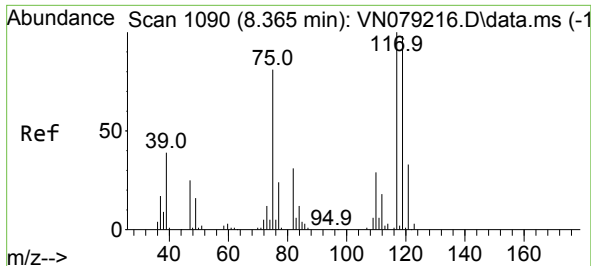
Tgt Ion: 75 Resp: 12021
Ion Ratio Lower Upper
75 100
110 6.8 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.195 ug/l
RT: 7.582 min Scan# 957
Delta R.T. 0.011 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

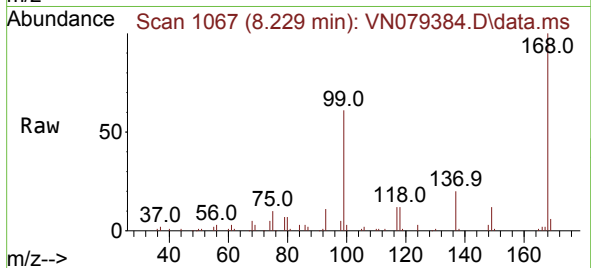
Tgt Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
61 1.7 13.2 19.8#
70 0.0 11.3 16.9#



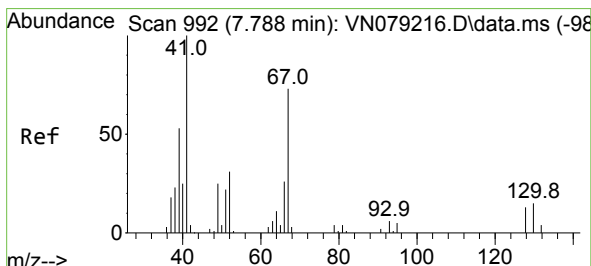
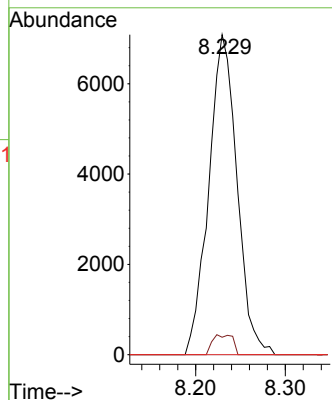
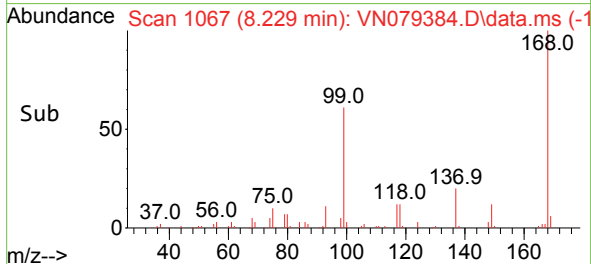


#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :

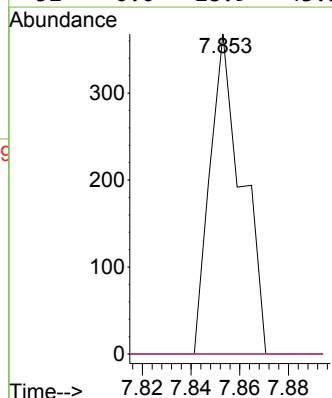
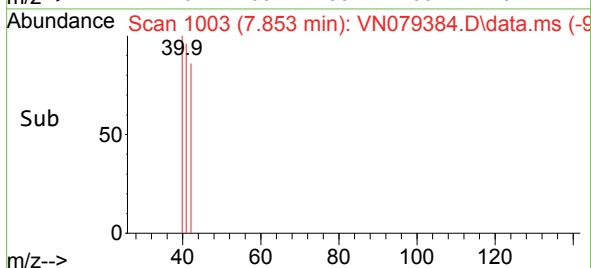
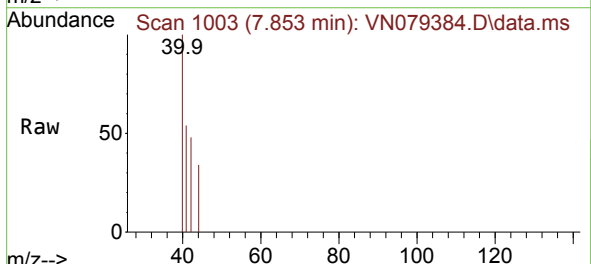


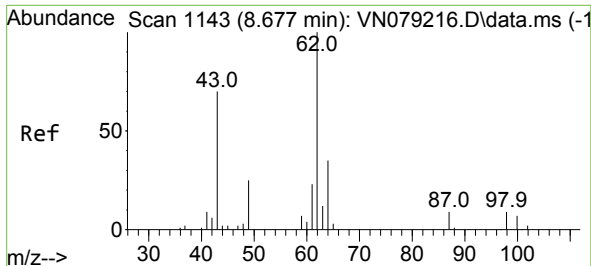
Tgt Ion:117 Resp: 15498
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.059 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 41 Resp: 336
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.306 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

Instrument :

MSVOA_N

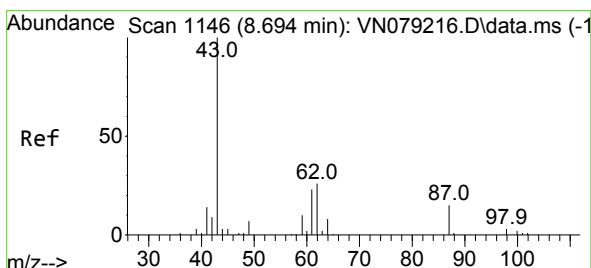
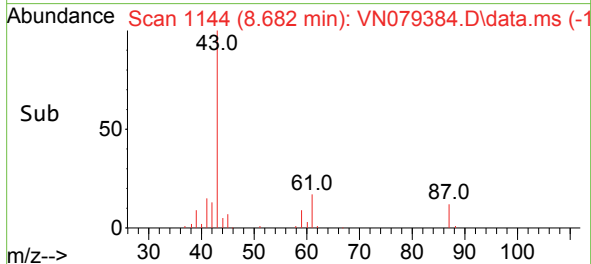
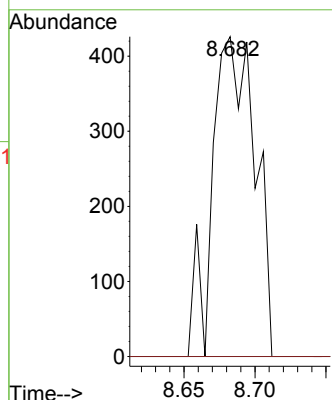
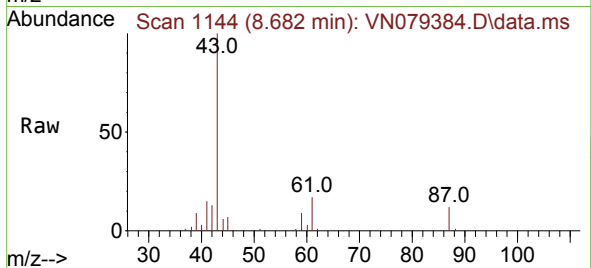
ClientSampleId :

Tgt Ion: 62 Resp: 896

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 30.962 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

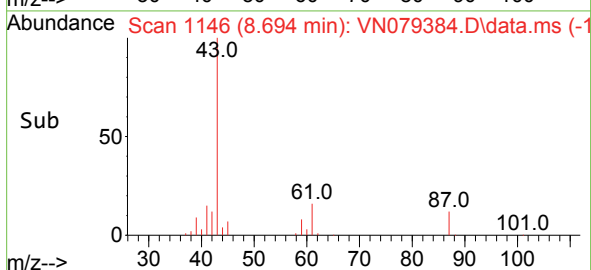
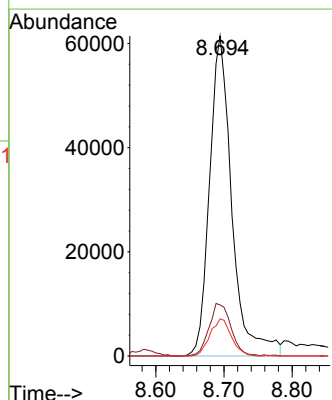
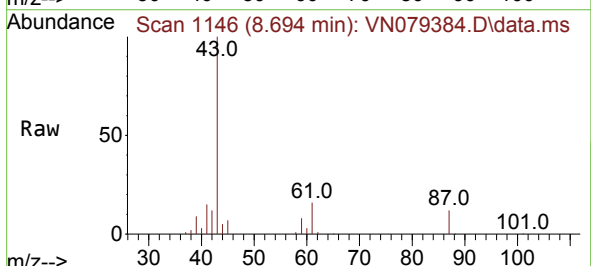
Tgt Ion: 43 Resp: 139894

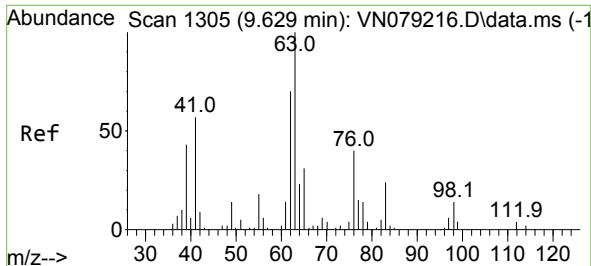
Ion Ratio Lower Upper

43 100

61 16.1 24.7 37.1#

87 11.0 14.6 21.8#

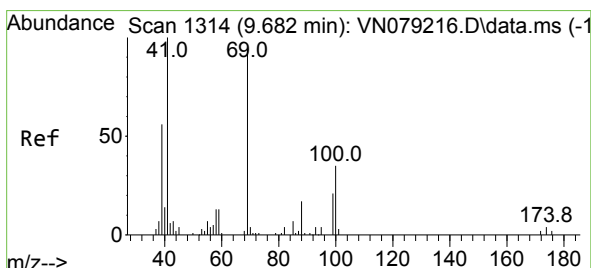
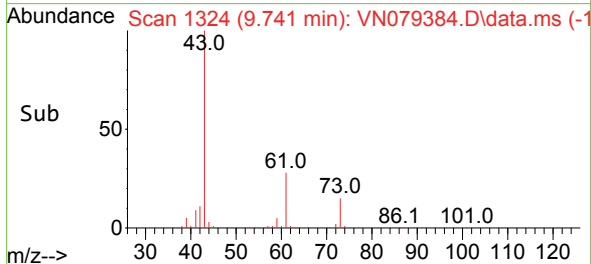
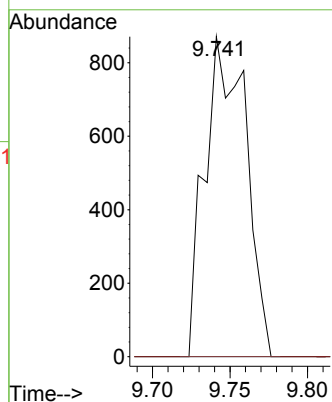
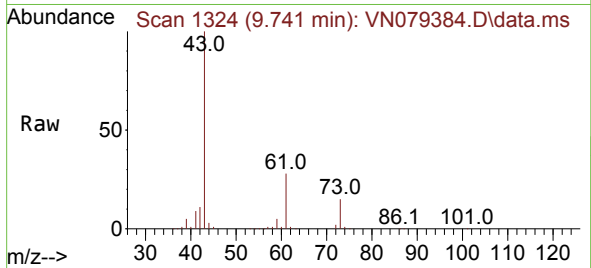




#45
1,2-Dichloropropane
Concen: 0.763 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

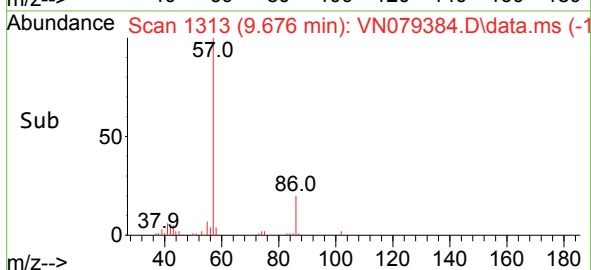
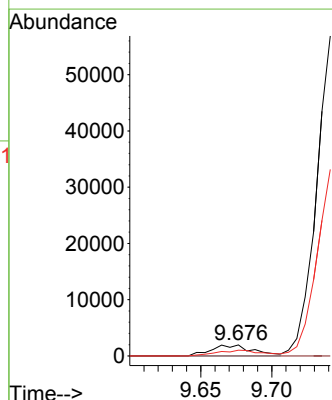
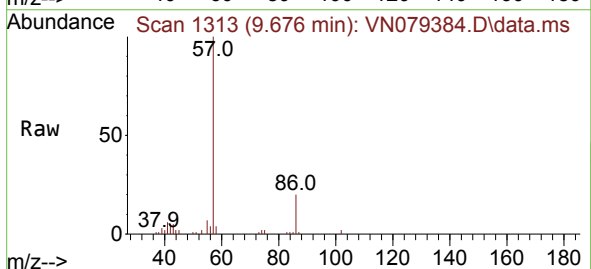
Instrument :
MSVOA_N
ClientSampleId :

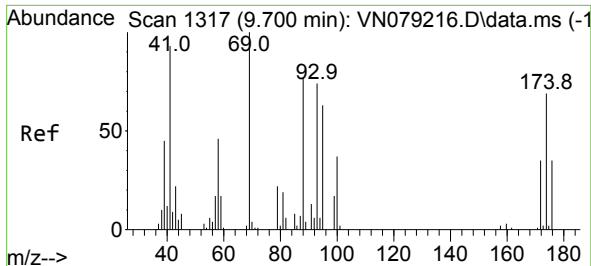
Tgt Ion: 63 Resp: 1610
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.969 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 41 Resp: 3985
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.7 54.6 81.8





#49

1,4-Dioxane

Concen: 1.393 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.035 min

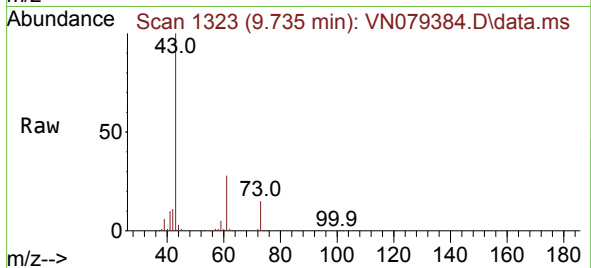
Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

Instrument :

MSVOA_N

ClientSampleId :



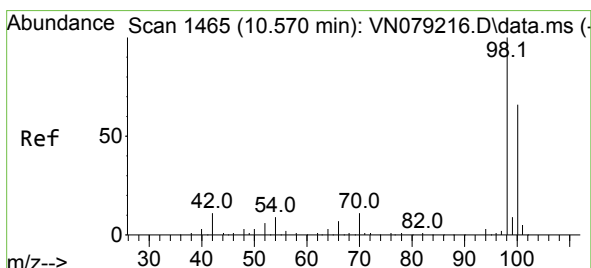
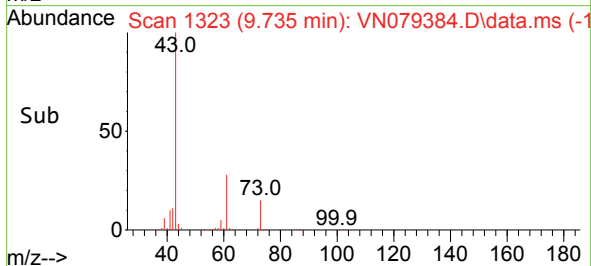
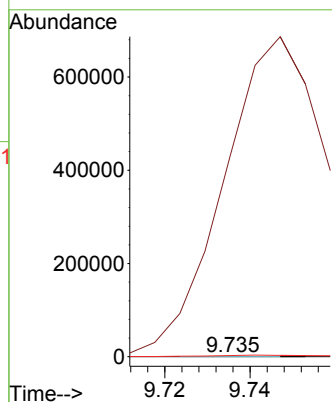
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 2133674.1 17.0 25.6#

58 11036.2 47.0 70.4#



#50

Toluene-d8

Concen: 55.142 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079384.D

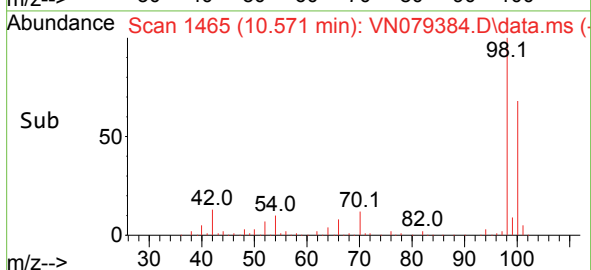
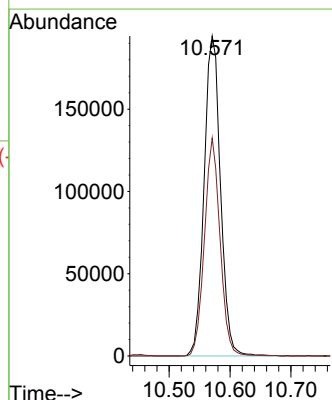
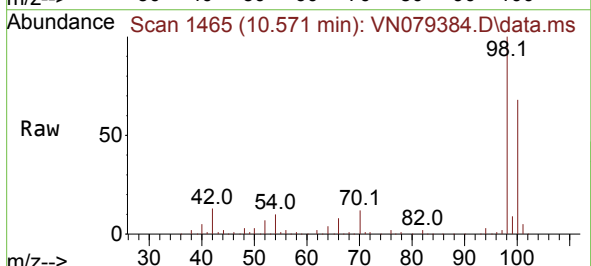
Acq: 30 Sep 2023 14:10

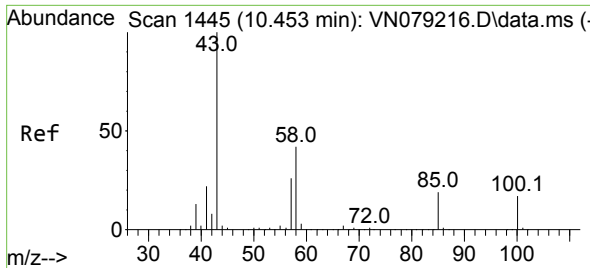
Tgt Ion: 98 Resp: 364683

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

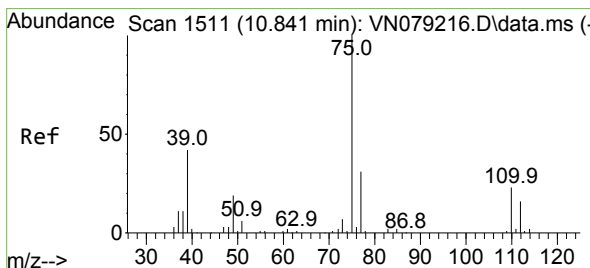
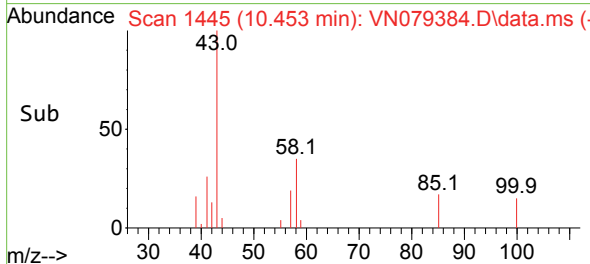
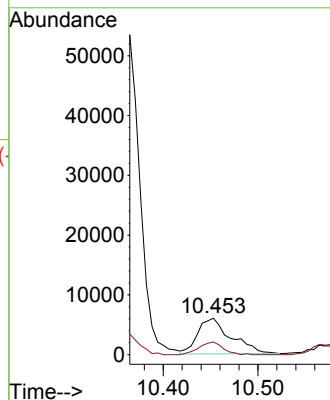
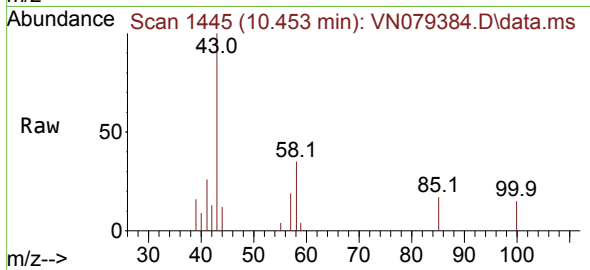




#51
4-Methyl-2-Pentanone
Concen: 5.563 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

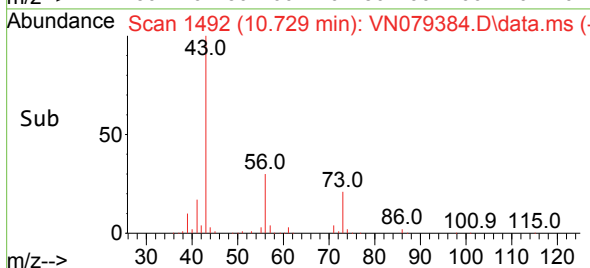
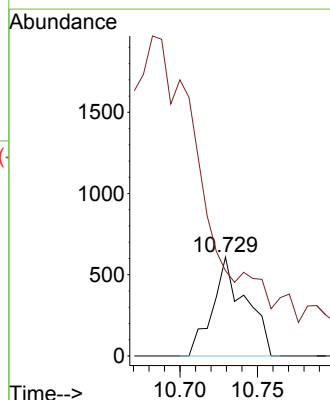
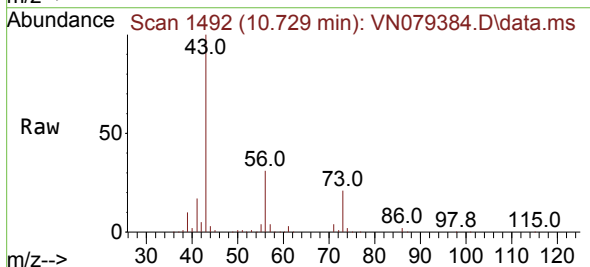
Instrument :
MSVOA_N
ClientSampleId :

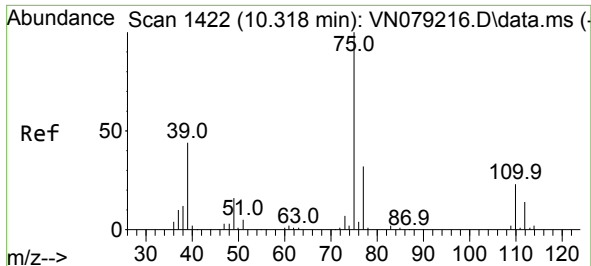
Tgt Ion: 43 Resp: 14592
Ion Ratio Lower Upper
43 100
58 25.9 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 75 Resp: 906
Ion Ratio Lower Upper
75 100
77 27.3 25.4 38.0

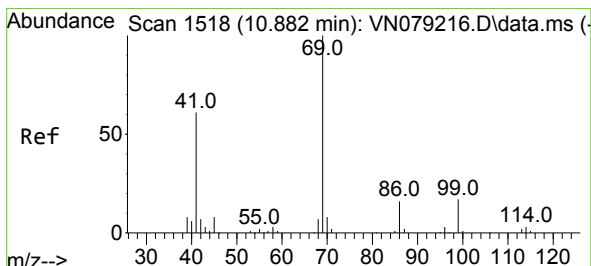
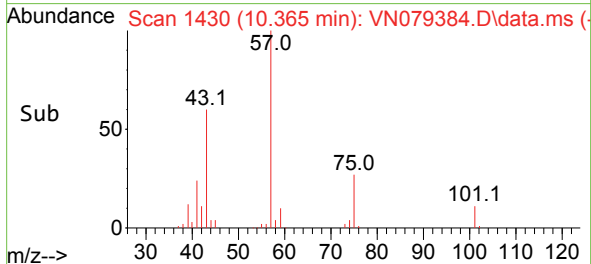
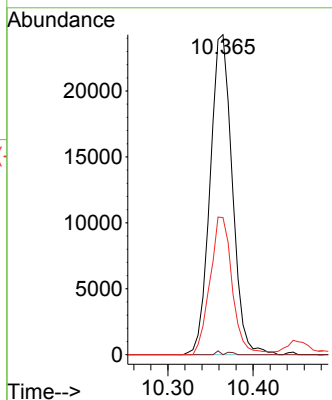
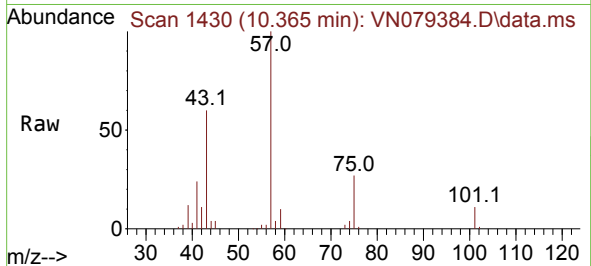




#54
 cis-1,3-Dichloropropene
 Concen: 13.264 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079384.D
 Acq: 30 Sep 2023 14:10

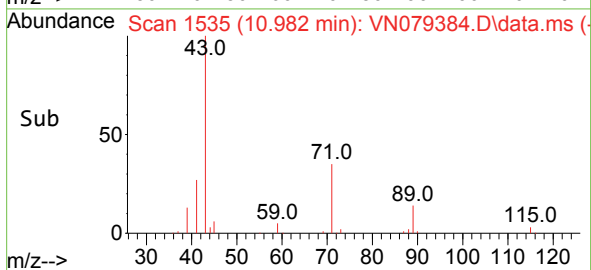
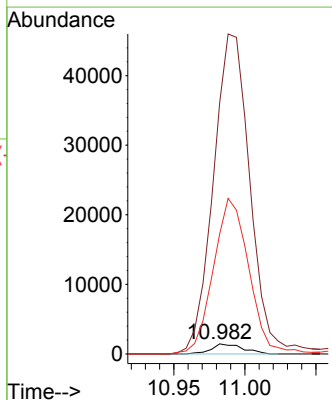
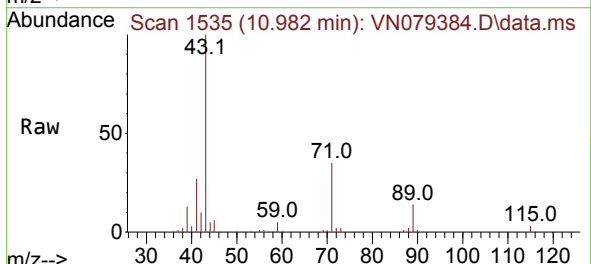
Instrument :
 MSVOA_N
 ClientSampleId :

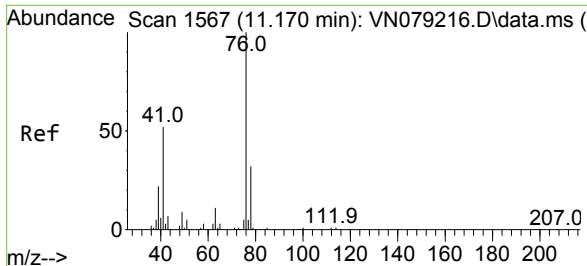
Tgt Ion: 75 Resp: 43870
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.8 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.772 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.105 min
 Lab File: VN079384.D
 Acq: 30 Sep 2023 14:10

Tgt Ion: 69 Resp: 2233
 Ion Ratio Lower Upper
 69 100
 41 3715.4 39.6 59.4#
 39 1744.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.686 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

Instrument :

MSVOA_N

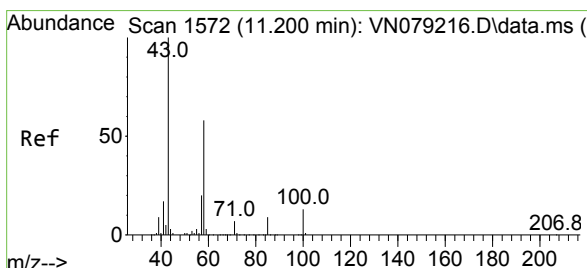
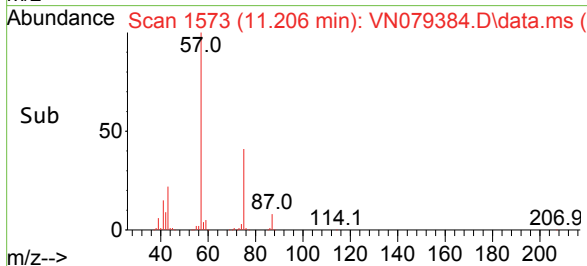
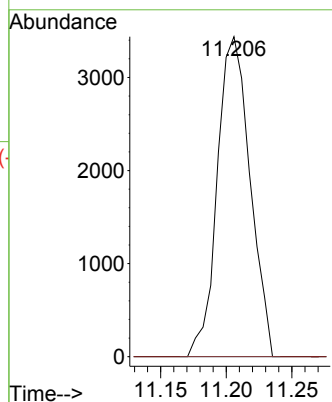
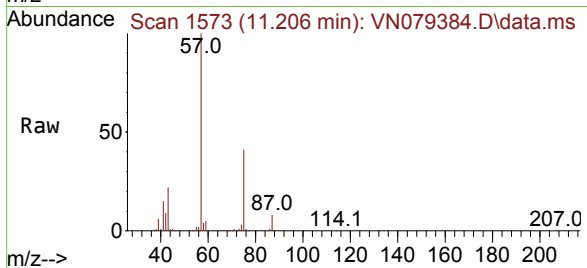
ClientSampleId :

Tgt Ion: 76 Resp: 5973

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.678 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079384.D

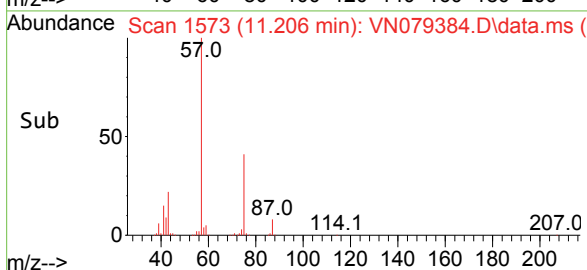
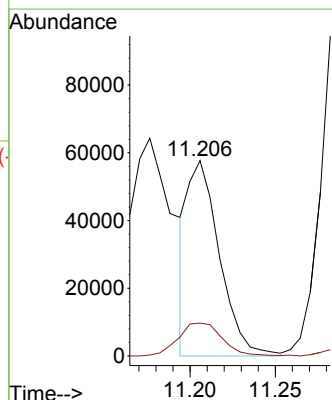
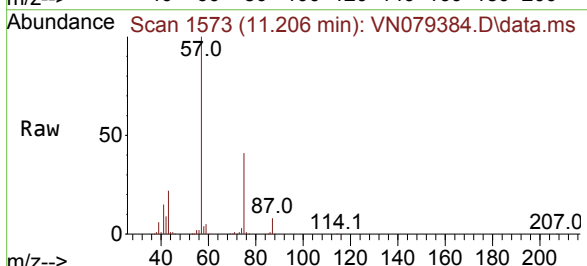
Acq: 30 Sep 2023 14:10

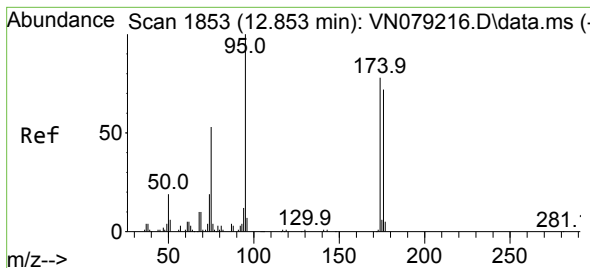
Tgt Ion: 43 Resp: 75376

Ion Ratio Lower Upper

43 100

58 23.2 31.7 95.1#

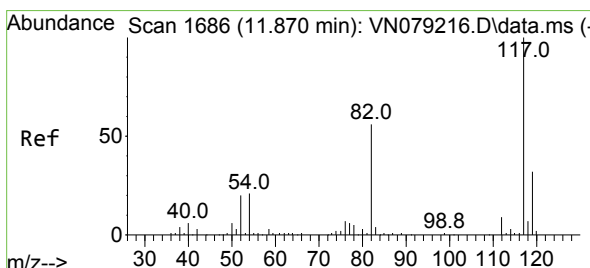
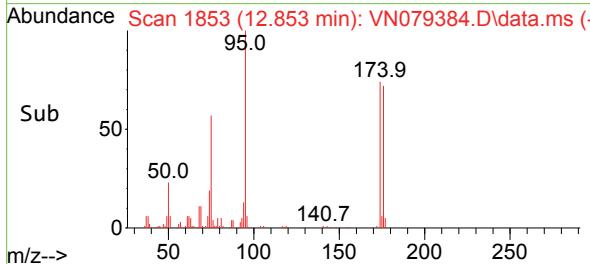
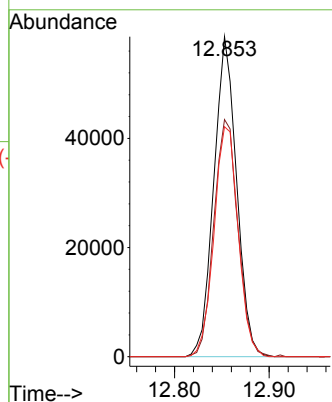
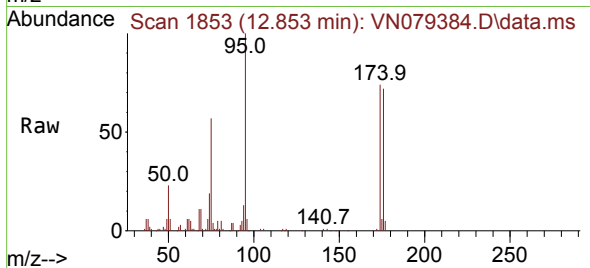




#62
4-Bromofluorobenzene
Concen: 46.436 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

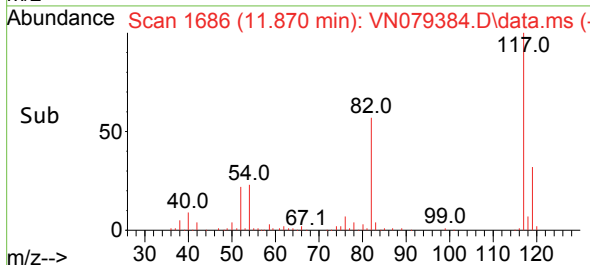
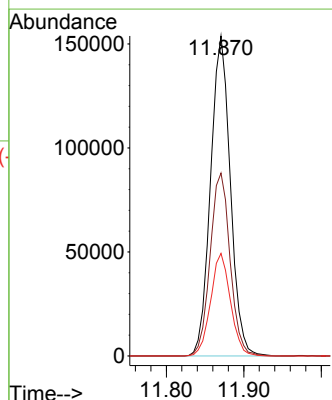
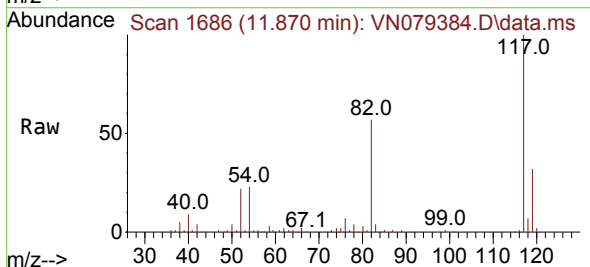
Instrument :
MSVOA_N
ClientSampleId :

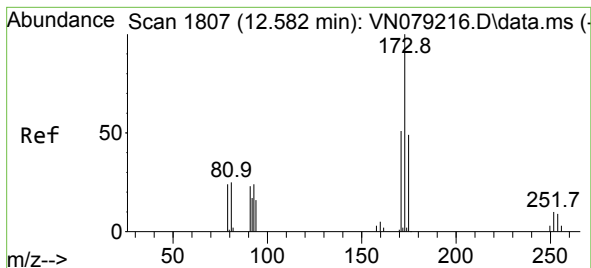
Tgt Ion: 95 Resp: 97961
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 76.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Tgt Ion: 117 Resp: 273130
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.240 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

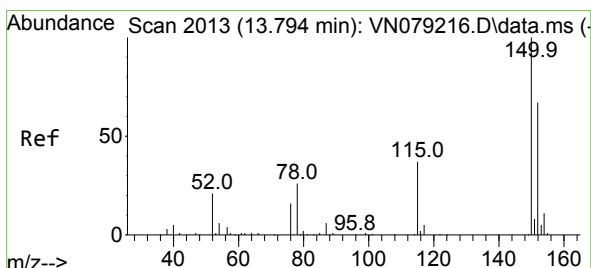
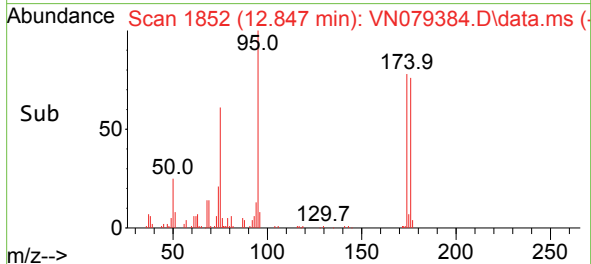
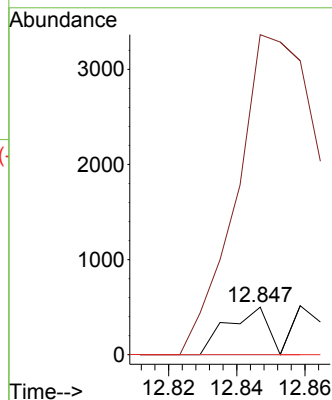
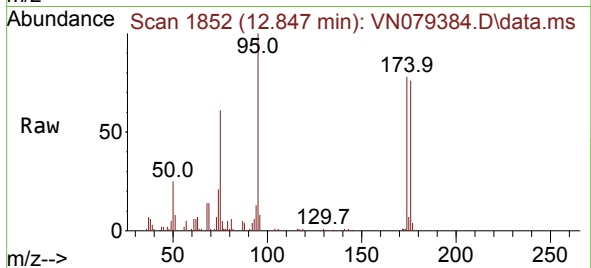
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 411

Ion	Ratio	Lower	Upper
173	100		
175	1112.9	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

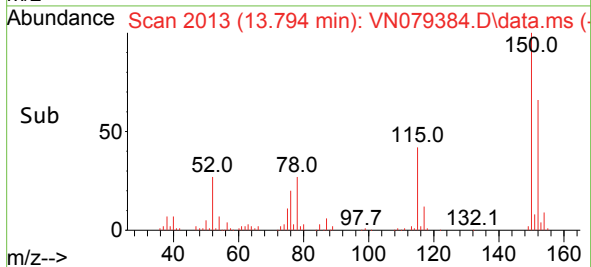
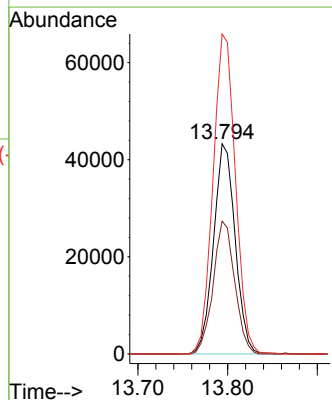
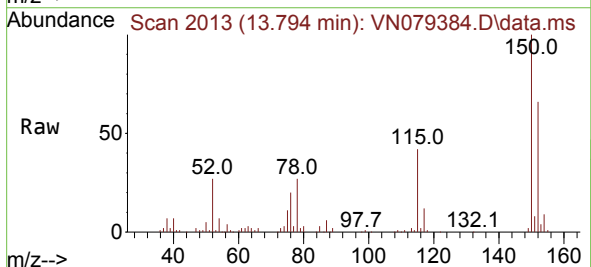
Delta R.T. -0.000 min

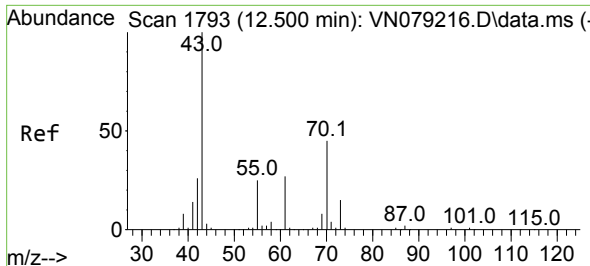
Lab File: VN079384.D

Acq: 30 Sep 2023 14:10

Tgt Ion:152 Resp: 72473

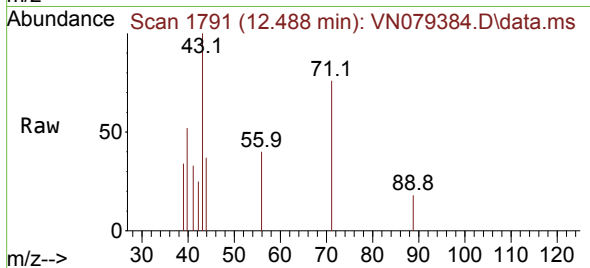
Ion	Ratio	Lower	Upper
152	100		
115	62.9	32.3	96.8
150	157.4	0.0	355.8



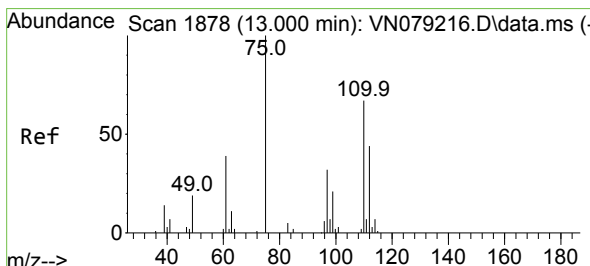
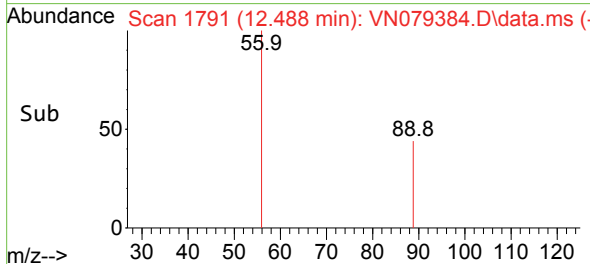
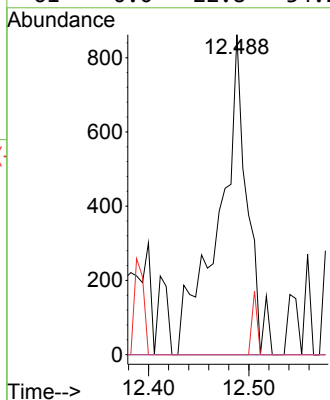


#74
N-amy1 acetate
Concen: 0.670 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :

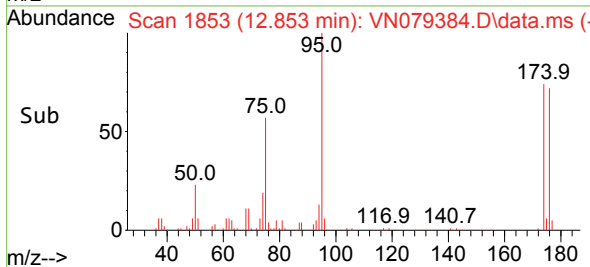
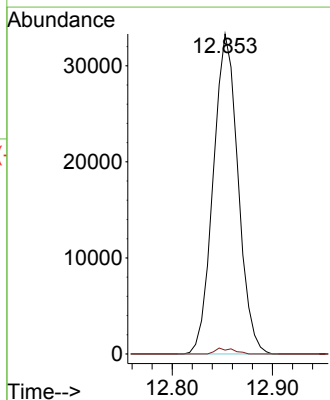
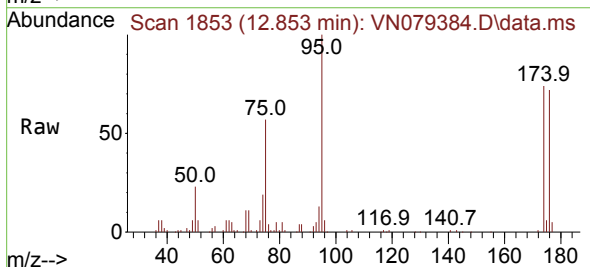


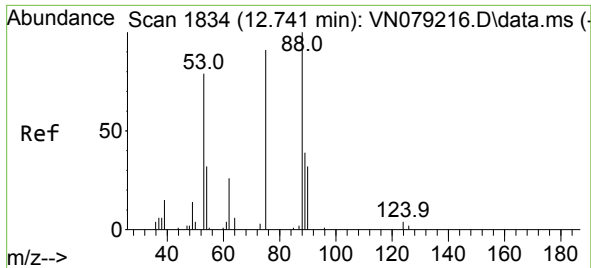
Tgt Ion:	43	Resp:	1676
Ion Ratio	100	Lower	Upper
70	0.0	43.4	65.2#
55	3.6	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 29.338 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079384.D
Acq: 30 Sep 2023 14:10

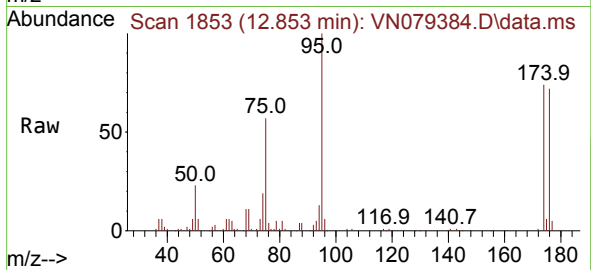
Tgt Ion:	75	Resp:	57304
Ion Ratio	100	Lower	Upper
77	1.4	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.656 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079384.D
 Acq: 30 Sep 2023 14:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 57304
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

