

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078986.D
 Acq On : 22 Aug 2023 11:58
 Operator : JC\MD
 Sample : PB154968ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

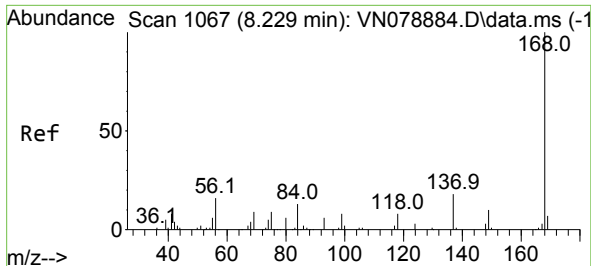
Quant Time: Aug 23 02:59:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	176182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	337955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141196	51.502	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.000%	
35) Dibromofluoromethane	8.171	113	118389	51.614	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.220%	
50) Toluene-d8	10.571	98	432183	50.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.853	95	136171	48.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.840%	
Target Compounds						Qvalue
5) Bromomethane	2.954	94	541	0.315	ug/l #	4
11) Tert butyl alcohol	5.553	59	439	0.954	ug/l #	72
13) Acrolein	4.206	56	60	7.046	ug/l #	71
16) Acetone	4.448	43	24372	21.545	ug/l #	82
18) Methyl Acetate	5.030	43	2285	0.478	ug/l #	66
20) Methylene Chloride	5.289	84	10457	4.338	ug/l #	79
25) 2-Butanone	7.500	43	11221	6.187	ug/l #	82
29) Tetrahydrofuran	7.859	42	374	0.312	ug/l #	20
31) Cyclohexane	8.224	56	4747	Below Cal	#	64
36) 1,1-Dichloropropene	8.230	75	15986	4.633	ug/l #	49
37) Ethyl Acetate	7.571	43	5162	1.337	ug/l #	79
38) Carbon Tetrachloride	8.230	117	18680	5.403	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	775	0.203	ug/l #	73
43) Isopropyl Acetate	8.694	43	157442	23.074	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1804	0.664	ug/l #	45
48) Methyl methacrylate	9.677	41	4851	1.569	ug/l #	34
49) 1,4-Dioxane	9.747	88	168	3.190	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	42254	10.441	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	52127	12.136	ug/l #	74
56) Ethyl methacrylate	10.988	69	2050	0.527	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6637	1.478	ug/l #	42
59) 2-Hexanone	11.177	43	154114	52.577	ug/l #	19
74) N-amyl acetate	12.494	43	3130	0.731	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	75163	30.662	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75163	78.329	ug/l #	15
95) Naphthalene	15.647	128	810	2.738	ug/l #	83

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

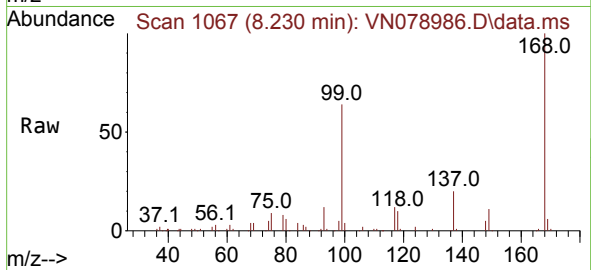
Quant Time: Aug 23 02:59:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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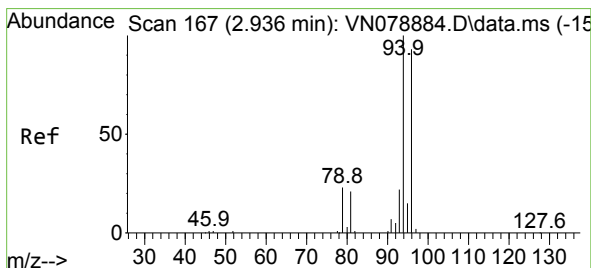
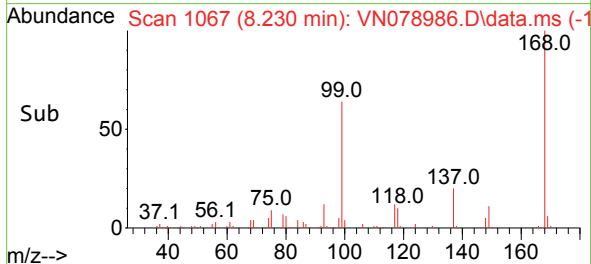
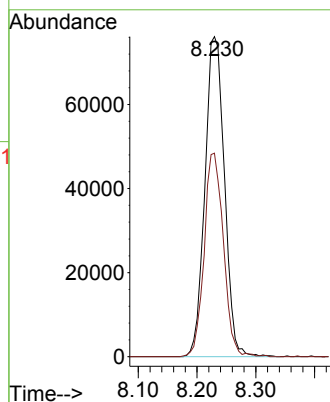


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

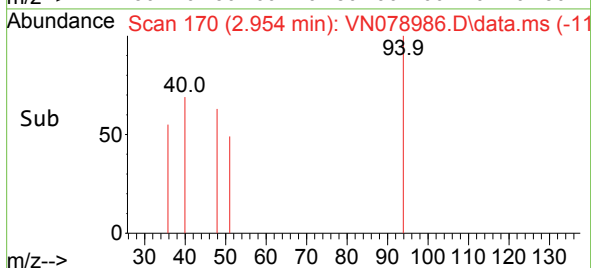
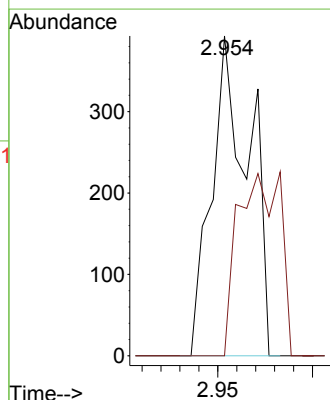
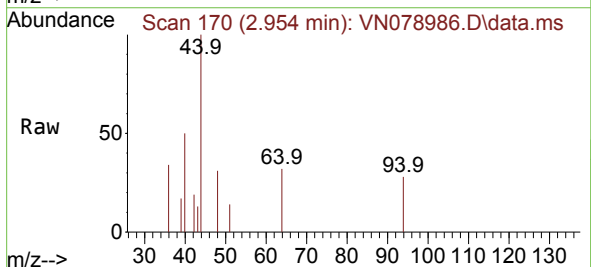


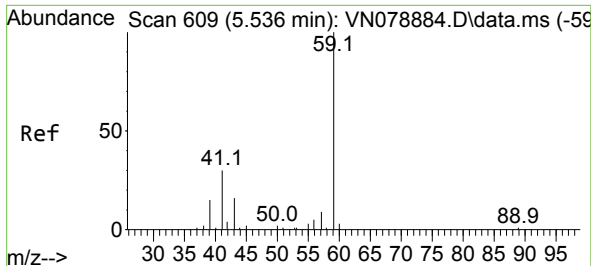
Tgt Ion:168 Resp: 176182
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.954 min Scan# 170
Delta R.T. 0.006 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

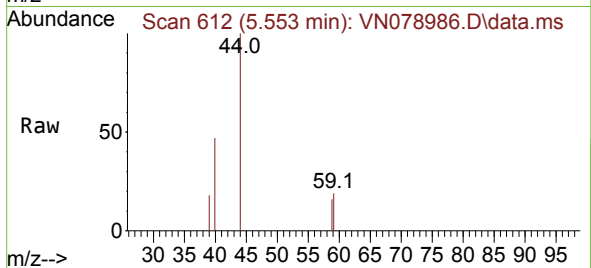
Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



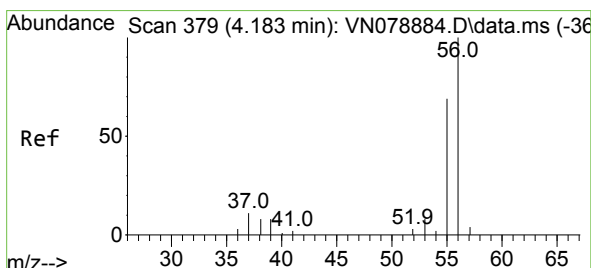
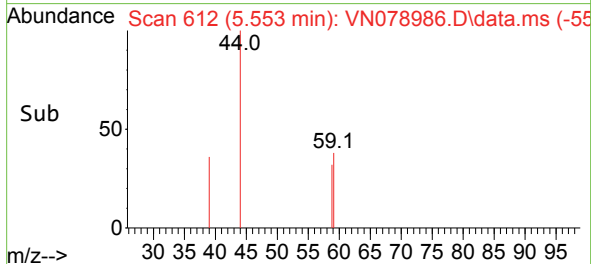
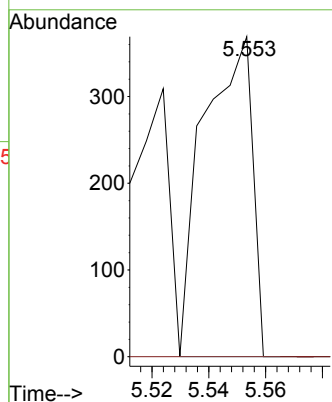


#11
Tert butyl alcohol
Concen: 0.954 ug/l
RT: 5.553 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

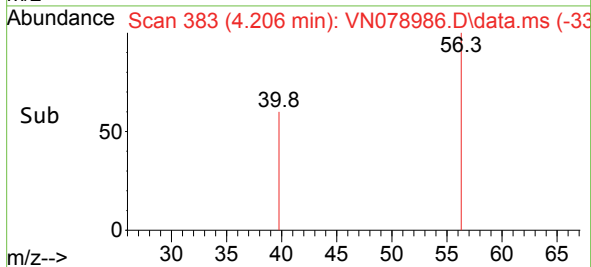
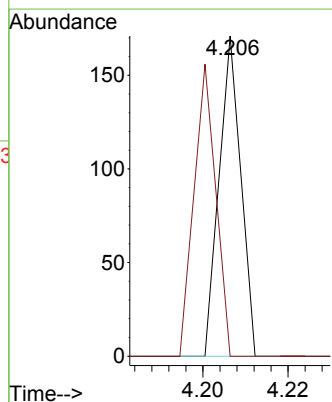
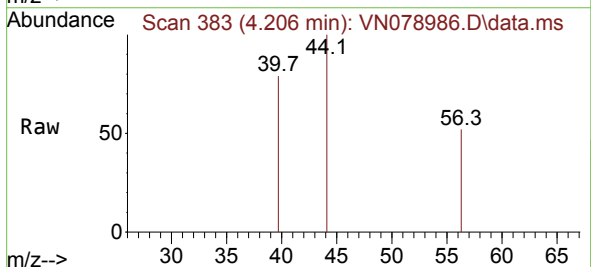


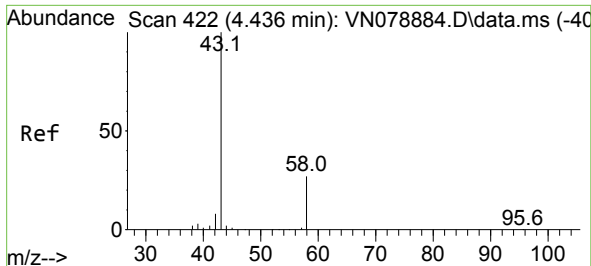
Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 7.046 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.011 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 91.7 54.5 81.7#





#16

Acetone

Concen: 21.545 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

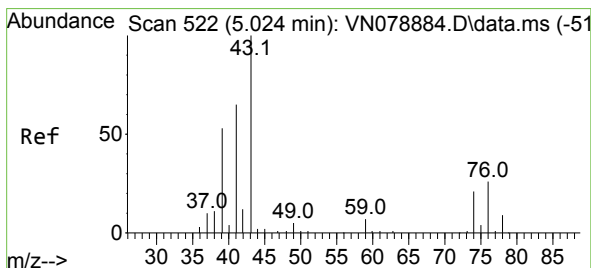
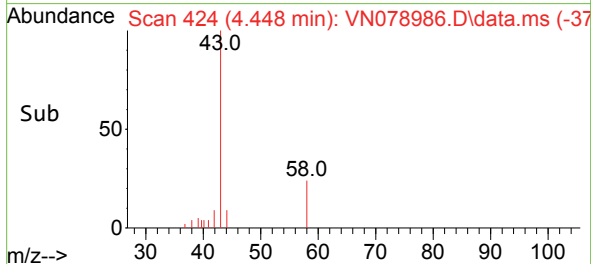
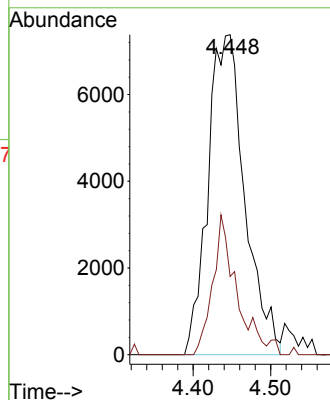
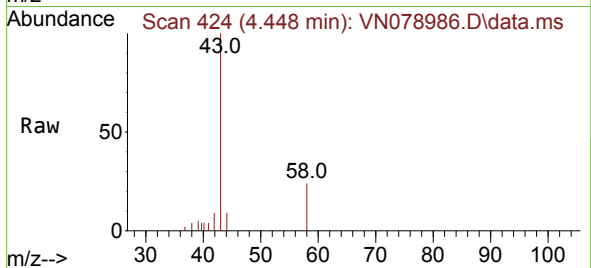
ClientSampleId :

Tgt Ion: 43 Resp: 24372

Ion Ratio Lower Upper

43 100

58 24.5 28.0 42.0#



#18

Methyl Acetate

Concen: 0.478 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.012 min

Lab File: VN078986.D

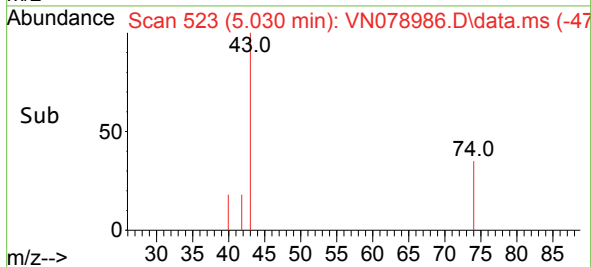
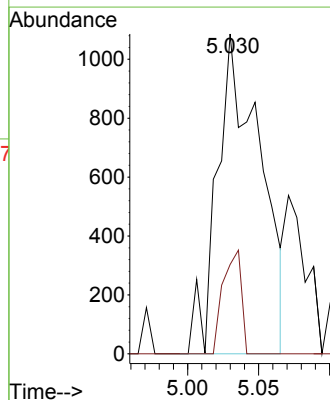
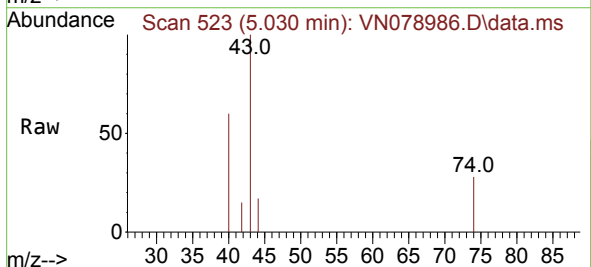
Acq: 22 Aug 2023 11:58

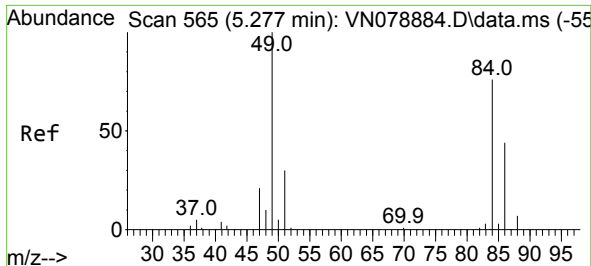
Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

43 100

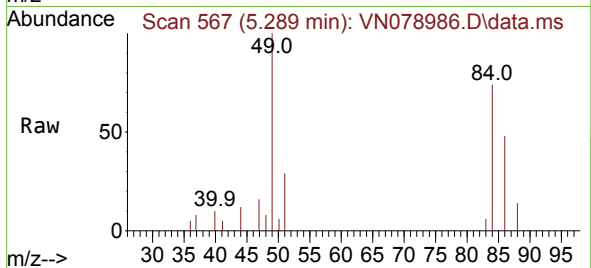
74 13.7 26.2 39.4#



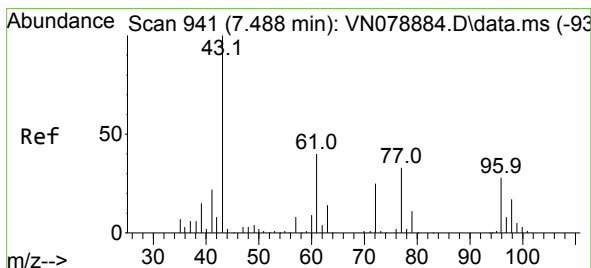
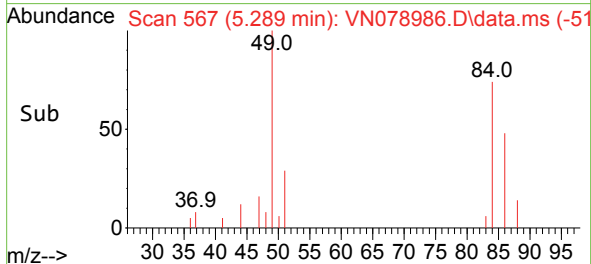
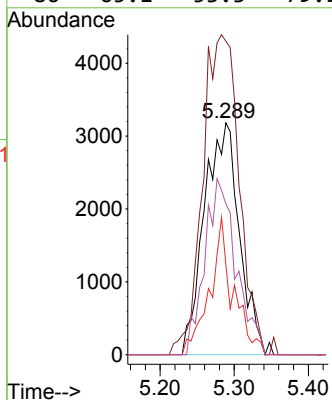


#20
Methylene Chloride
Concen: 4.338 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

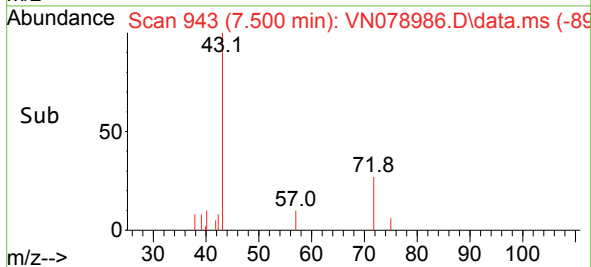
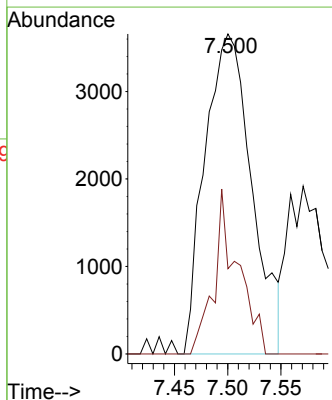
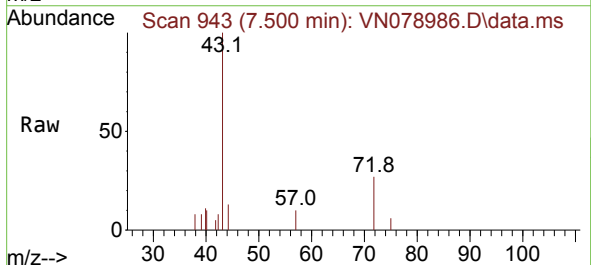


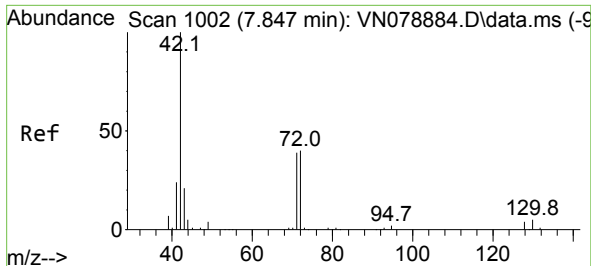
Tgt Ion:	84	Resp:	10457
Ion	Ratio	Lower	Upper
84	100		
49	135.2	79.7	119.5#
51	38.9	25.2	37.8#
86	65.1	53.3	79.9



#25
2-Butanone
Concen: 6.187 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Tgt Ion:	43	Resp:	11221
Ion	Ratio	Lower	Upper
43	100		
72	26.7	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.312 ug/l

RT: 7.859 min Scan# 1066

Delta R.T. 0.012 min

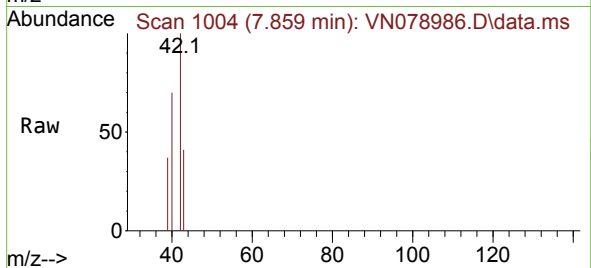
Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

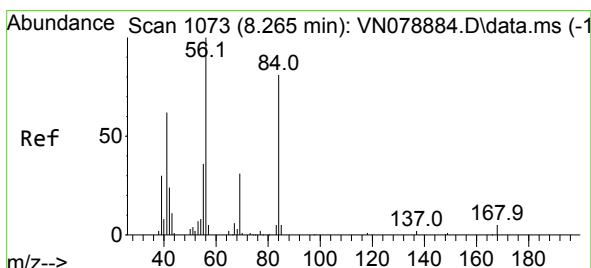
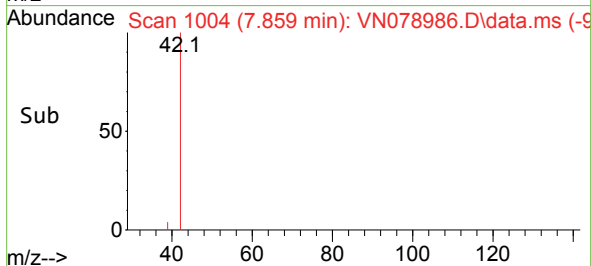
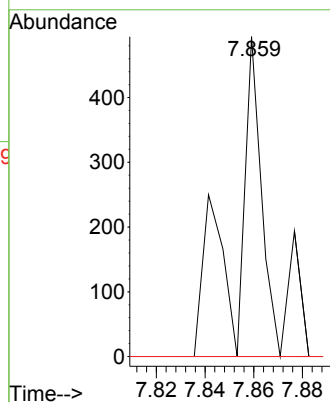
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	374
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

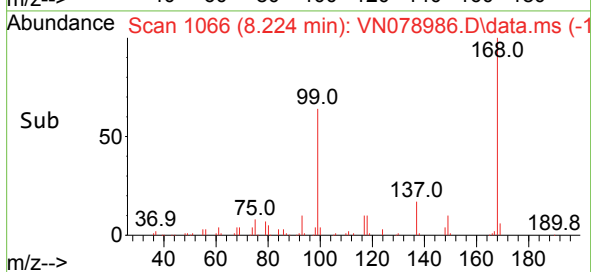
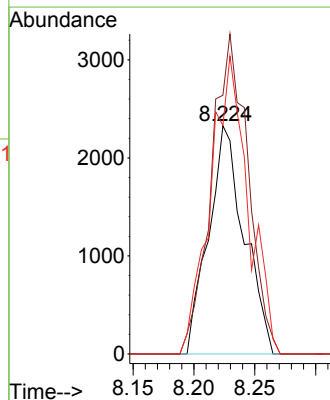
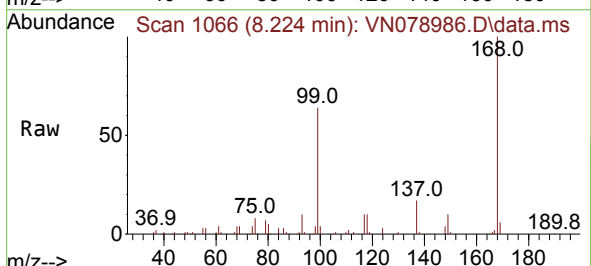
RT: 8.224 min Scan# 1066

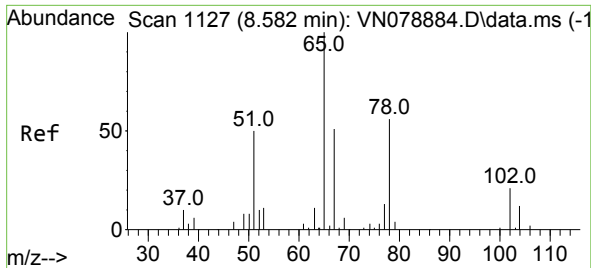
Delta R.T. -0.041 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Tgt Ion:	56	Resp:	4747
Ion	Ratio	Lower	Upper
56	100		
69	113.4	26.8	40.2#
84	100.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.502 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

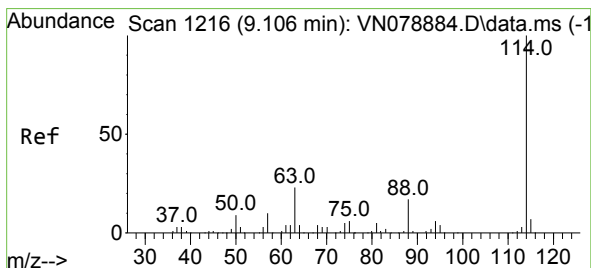
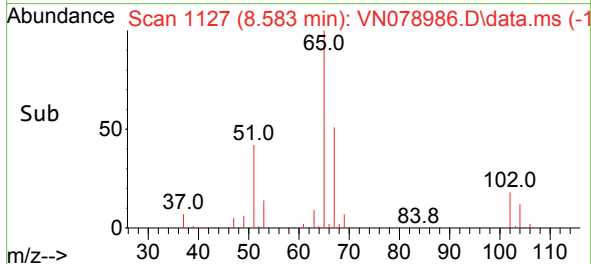
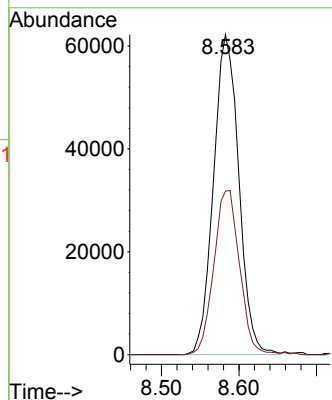
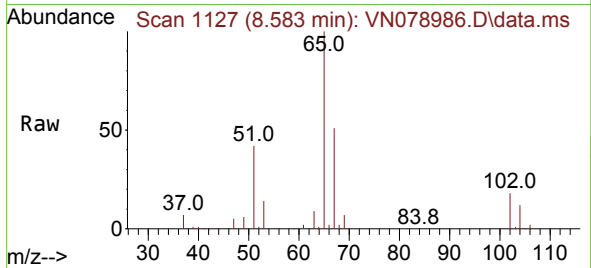
ClientSampleId :

Tgt Ion: 65 Resp: 141196

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# 1216

Delta R.T. -0.006 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

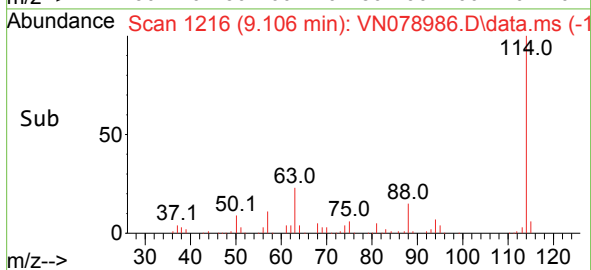
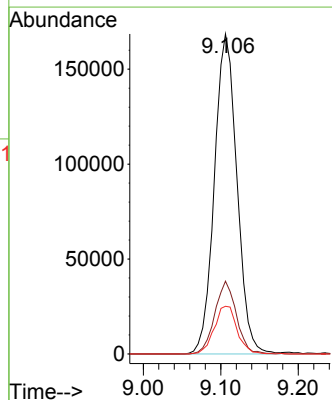
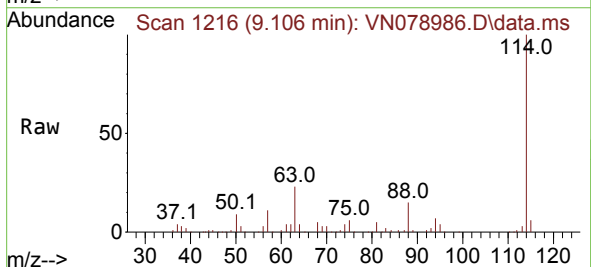
Tgt Ion: 114 Resp: 340748

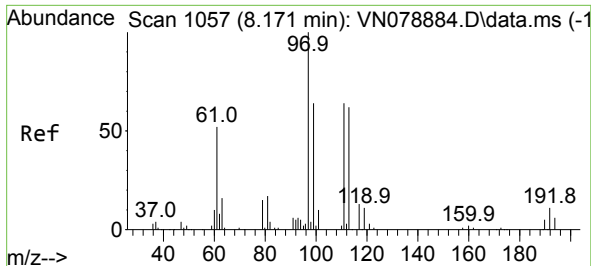
Ion Ratio Lower Upper

114 100

63 22.8 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.614 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

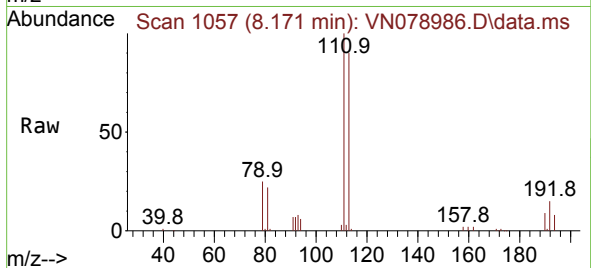
Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

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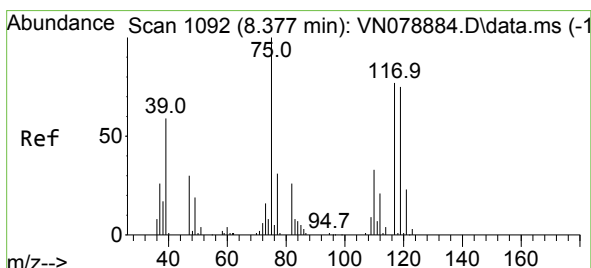
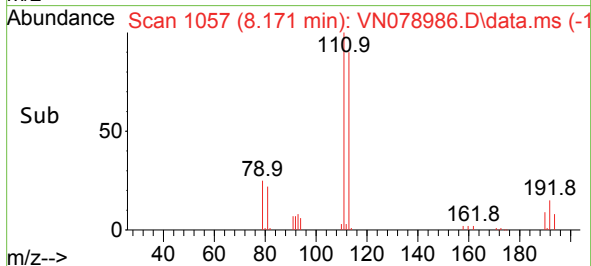
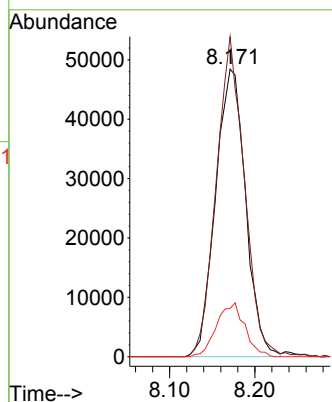
Tgt Ion:113 Resp: 118389

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

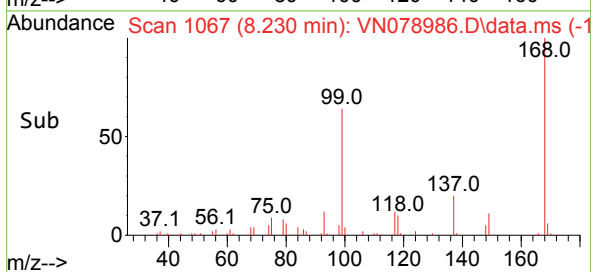
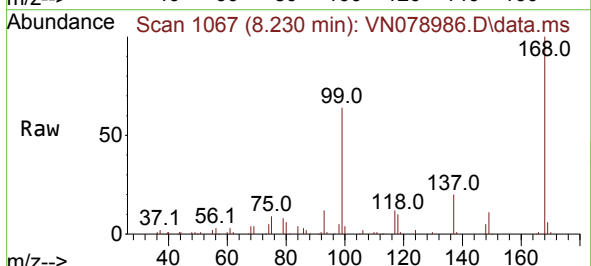
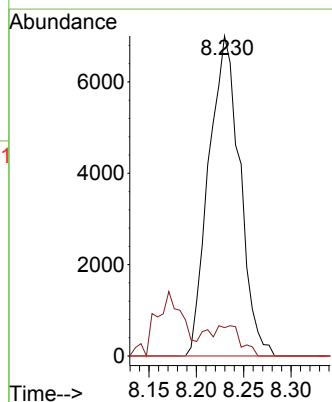
Tgt Ion: 75 Resp: 15986

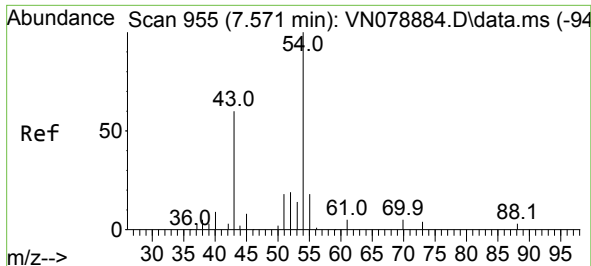
Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.3#

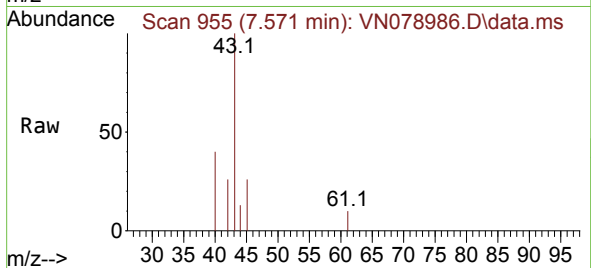
77 0.0 25.0 37.4#



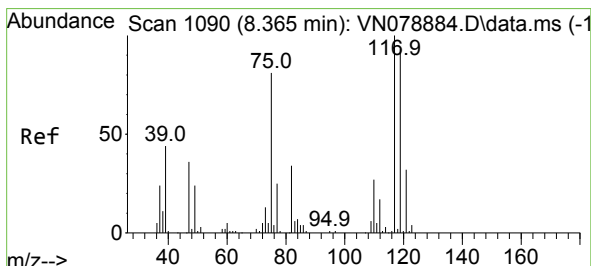
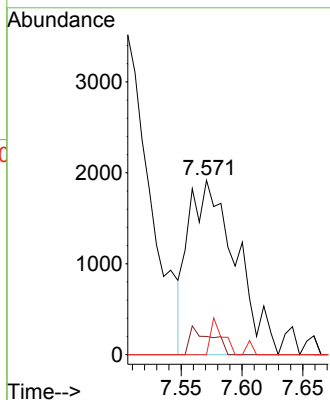
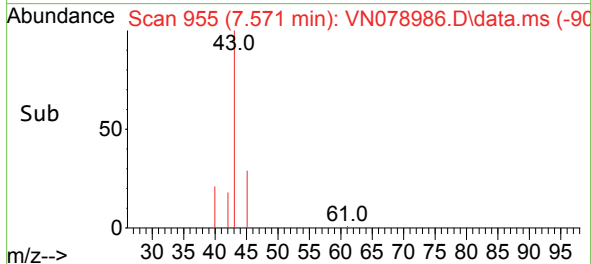


#37
Ethyl Acetate
Concen: 1.337 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

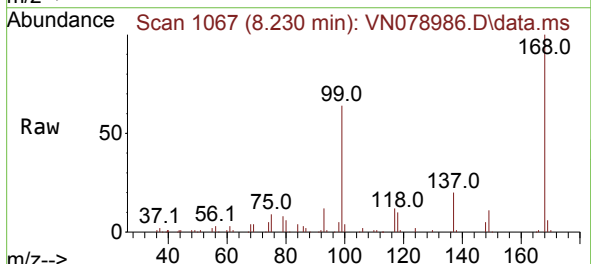
Instrument :
MSVOA_N
ClientSampleId :



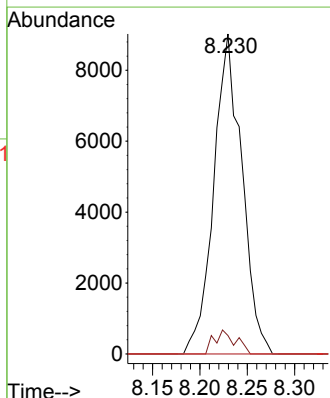
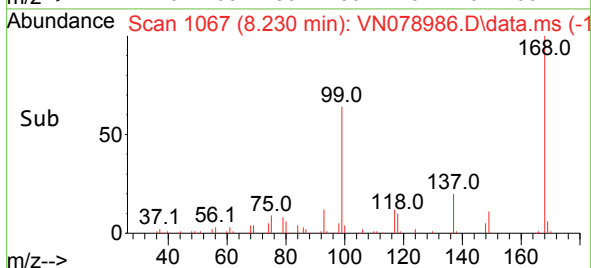
Tgt Ion: 43 Resp: 5162
Ion Ratio Lower Upper
43 100
61 7.6 13.2 19.8#
70 5.4 11.3 16.9#

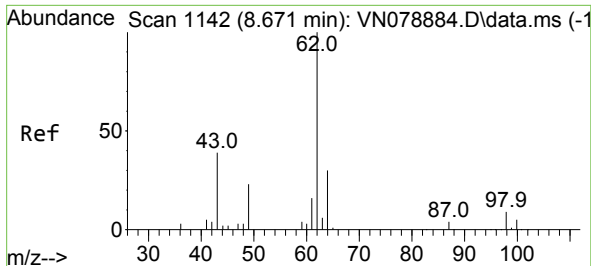


#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58



Tgt Ion: 117 Resp: 18680
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

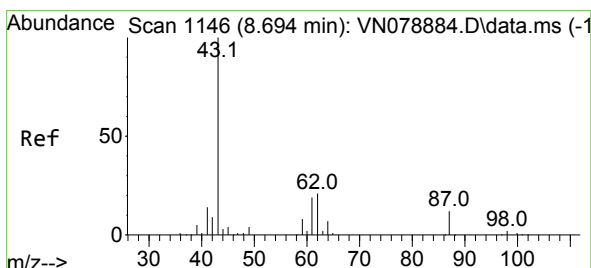
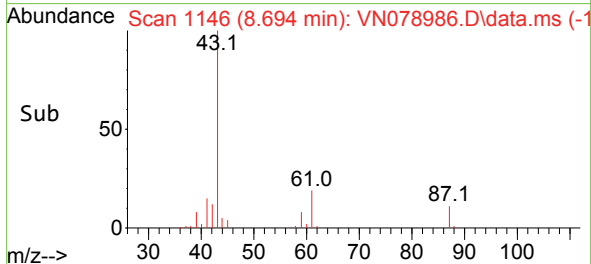
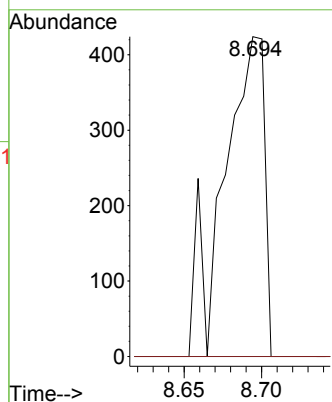
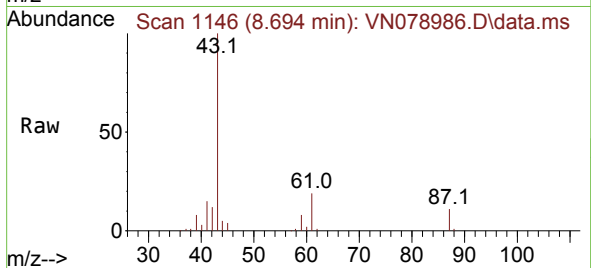
ClientSampleId :

Tgt Ion: 62 Resp: 775

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.074 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

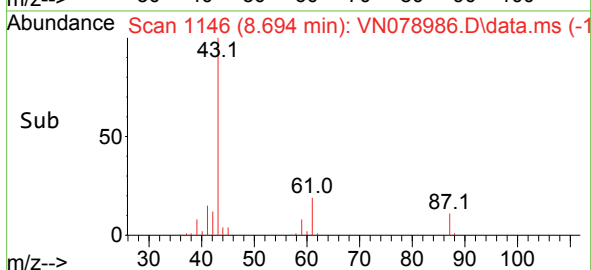
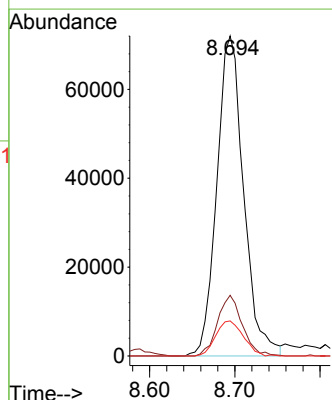
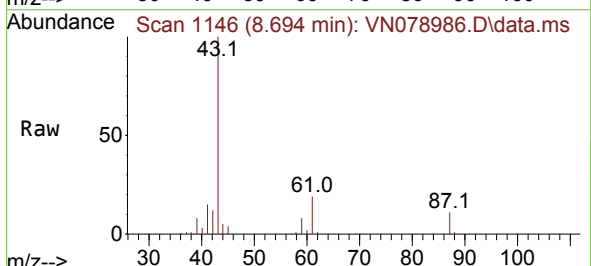
Tgt Ion: 43 Resp: 157442

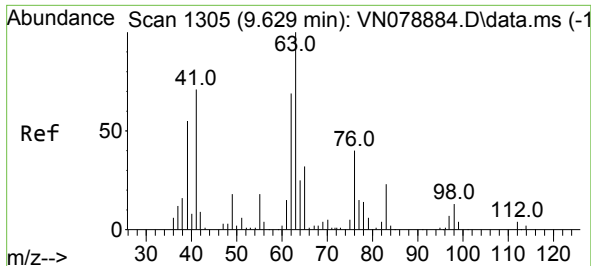
Ion Ratio Lower Upper

43 100

61 17.5 24.7 37.1#

87 11.3 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.664 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

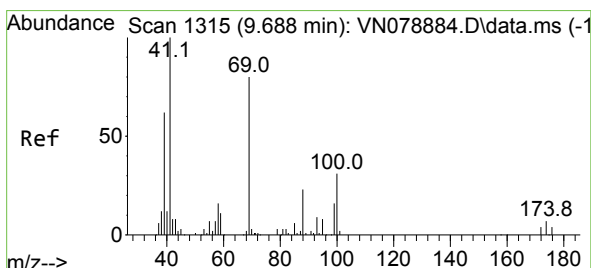
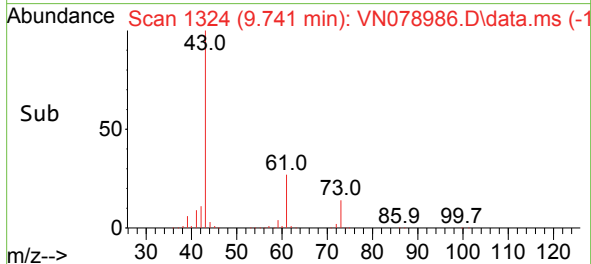
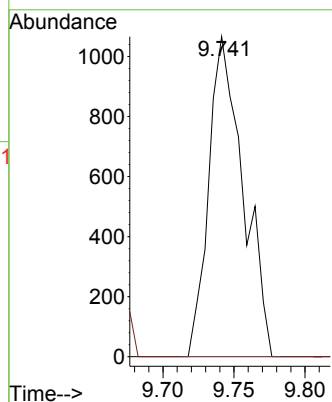
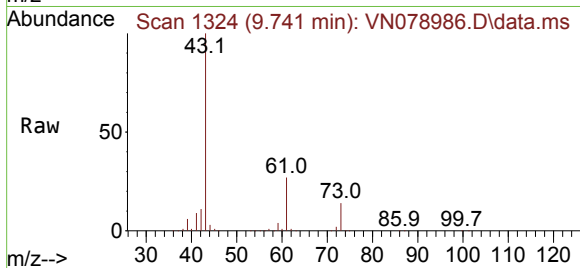
ClientSampleId :

Tgt Ion: 63 Resp: 1804

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.569 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

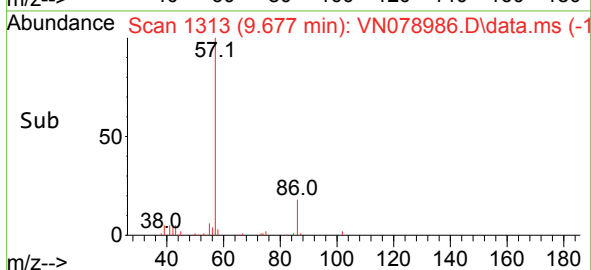
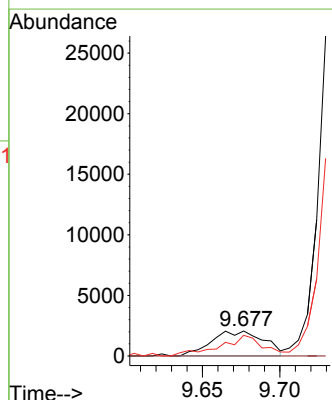
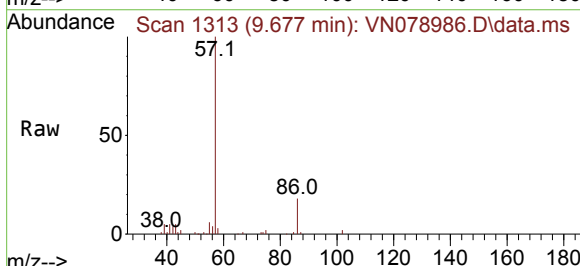
Tgt Ion: 41 Resp: 4851

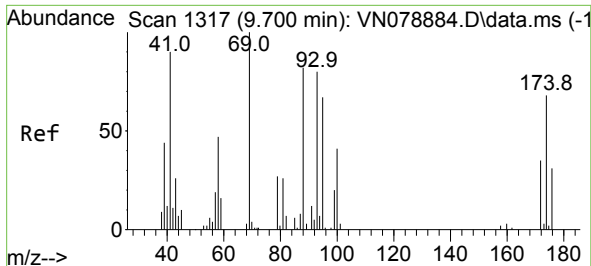
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 68.3 54.6 81.8





#49

1,4-Dioxane

Concen: 3.190 ug/l

RT: 9.747 min Scan# 1317

Delta R.T. 0.047 min

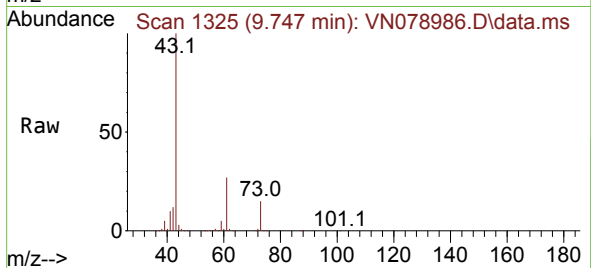
Lab File: VN078986.D

Acq: 22 Aug 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :



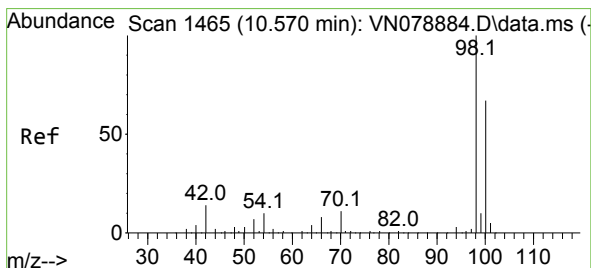
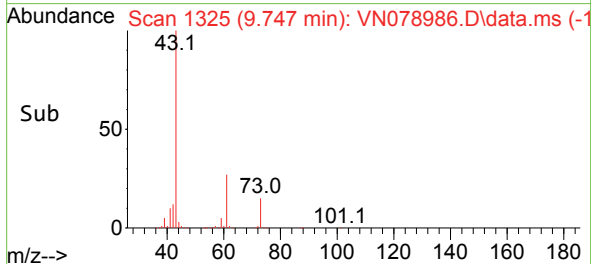
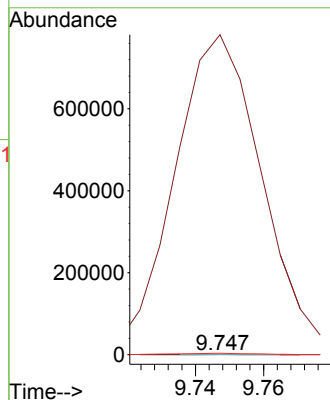
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 843351.2 17.0 25.6#

58 3676.2 47.0 70.4#



#50

Toluene-d8

Concen: 50.744 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078986.D

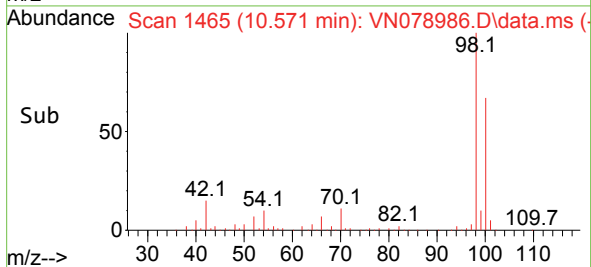
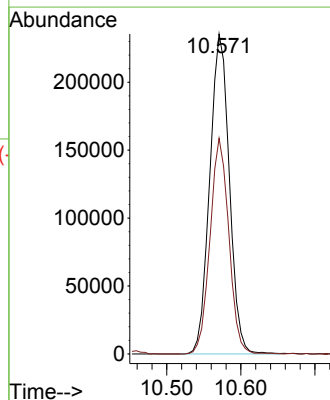
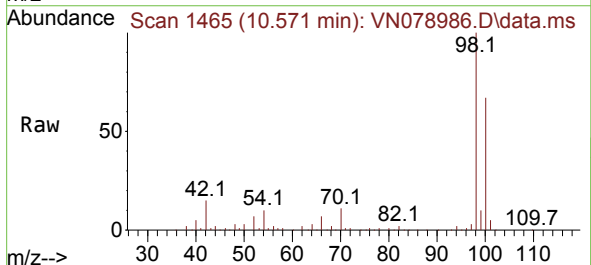
Acq: 22 Aug 2023 11:58

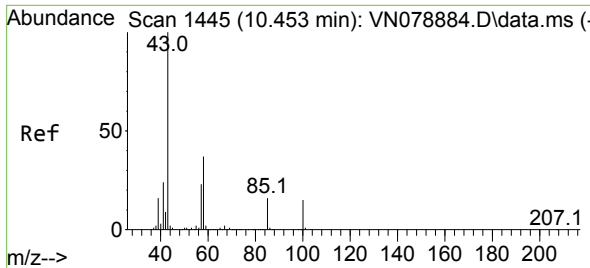
Tgt Ion: 98 Resp: 432183

Ion Ratio Lower Upper

98 100

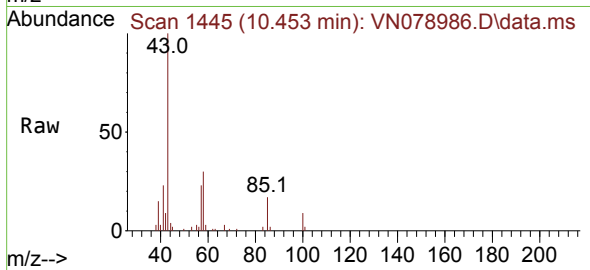
100 64.7 52.0 78.0



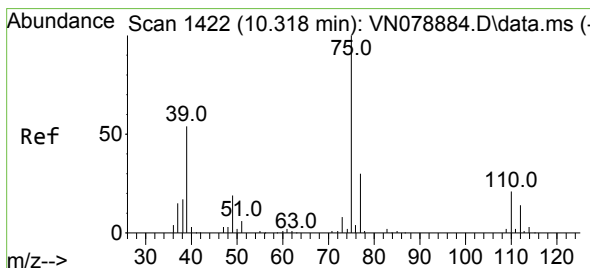
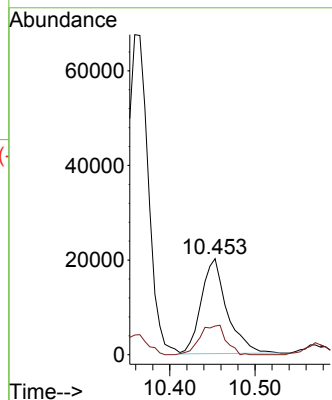
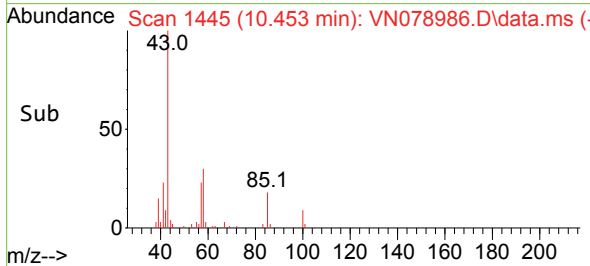


#51
4-Methyl-2-Pentanone
Concen: 10.441 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

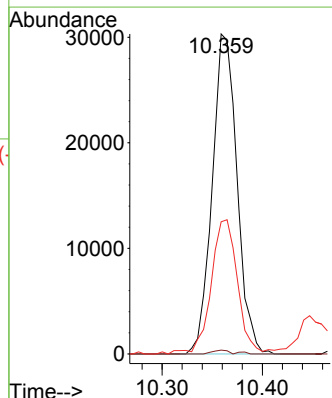
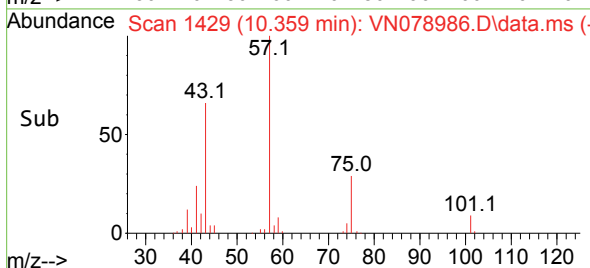
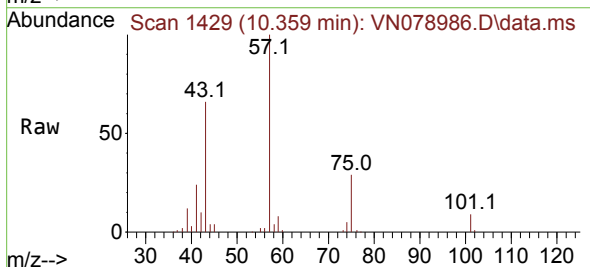


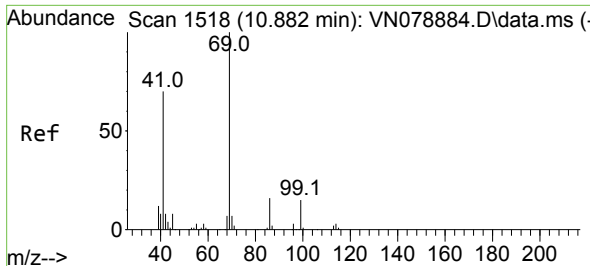
Tgt Ion: 43 Resp: 42254
Ion Ratio Lower Upper
43 100
58 31.4 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 12.136 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

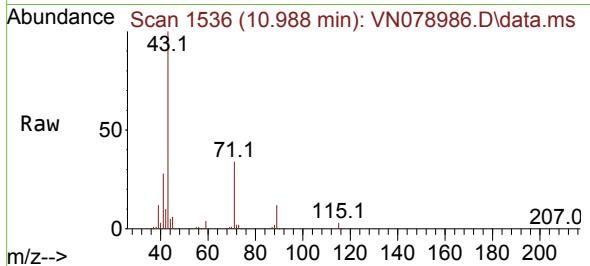
Tgt Ion: 75 Resp: 52127
Ion Ratio Lower Upper
75 100
77 1.2 26.1 39.1#
39 40.3 31.6 47.4



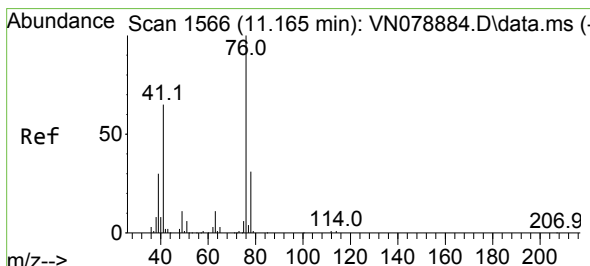
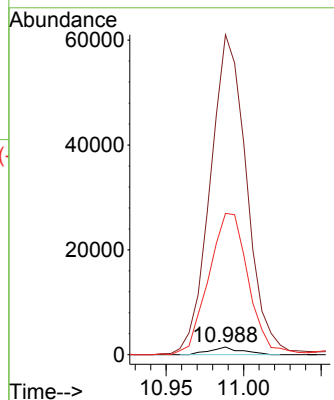
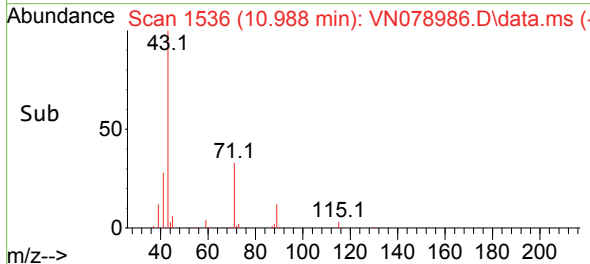


#56
Ethyl methacrylate
Concen: 0.527 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

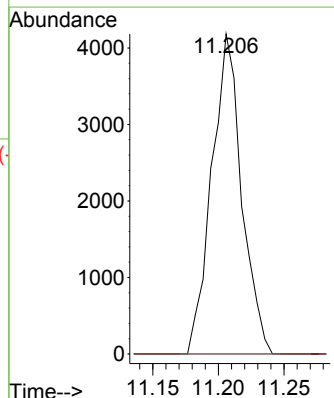
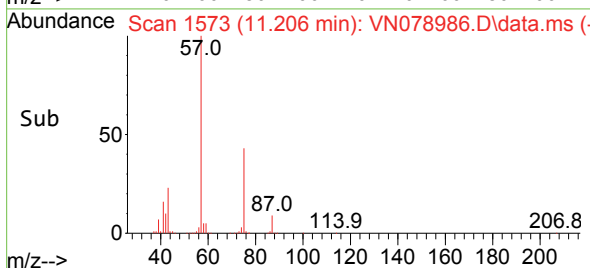
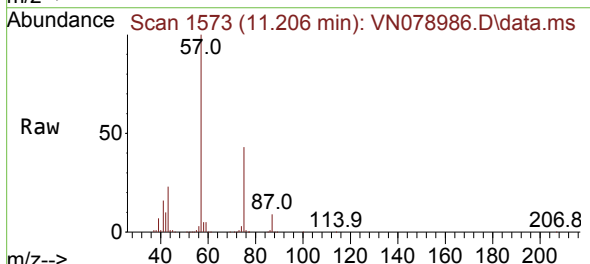


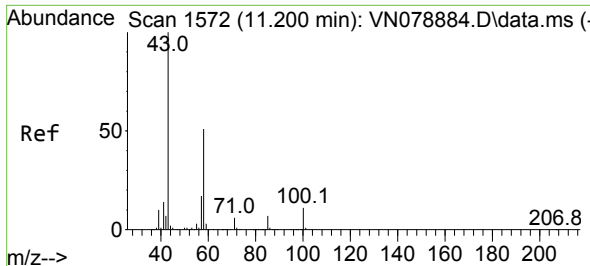
Tgt Ion: 69 Resp: 2050
Ion Ratio Lower Upper
69 100
41 4892.6 39.6 59.4#
39 2350.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.478 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Tgt Ion: 76 Resp: 6637
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

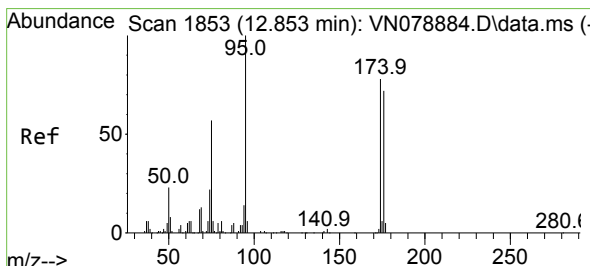
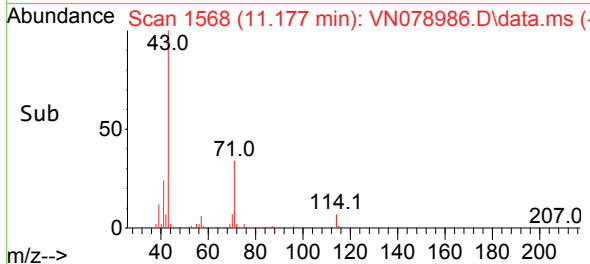
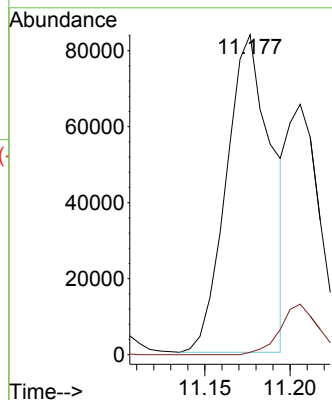
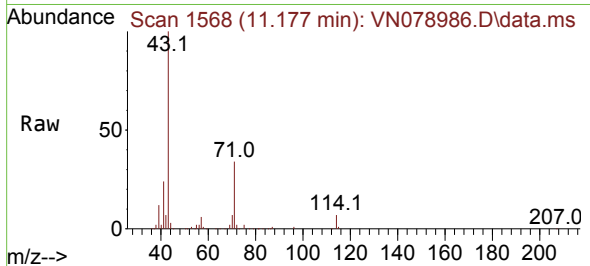




#59
2-Hexanone
Concen: 52.577 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

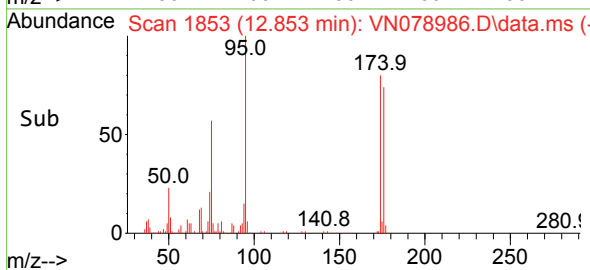
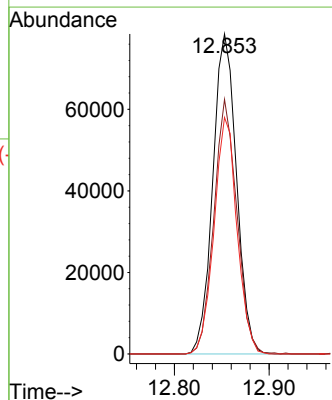
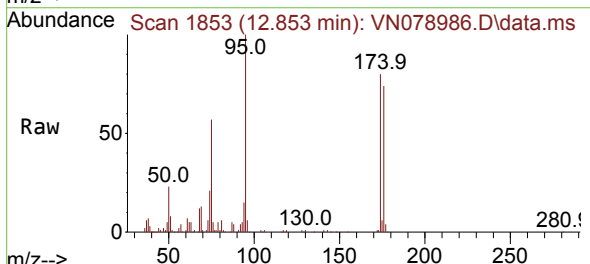
Instrument :
MSVOA_N
ClientSampleId :

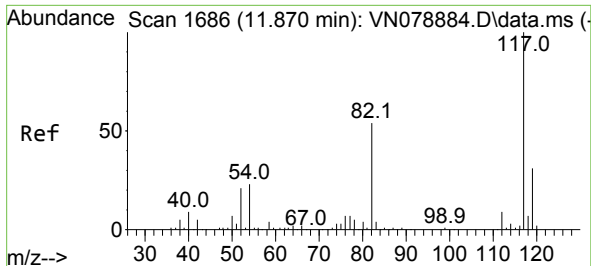
Tgt Ion: 43 Resp: 154114
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Tgt Ion: 95 Resp: 136171
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 71.9 0.0 135.8

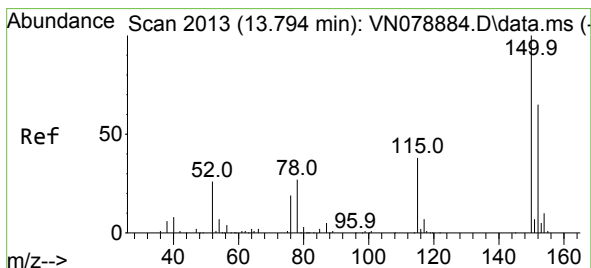
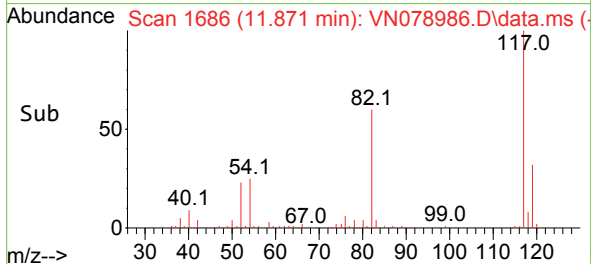
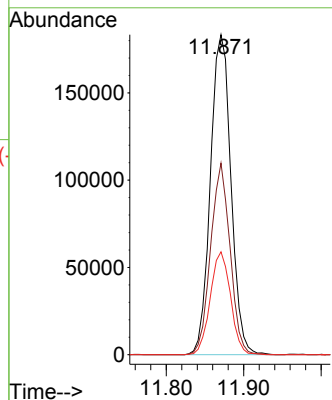
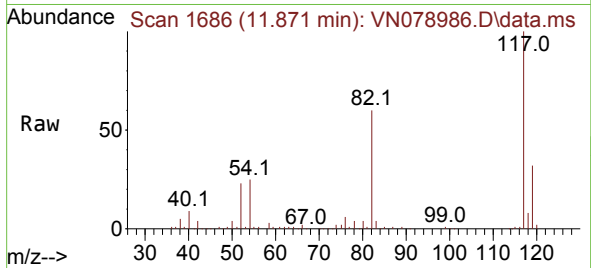




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

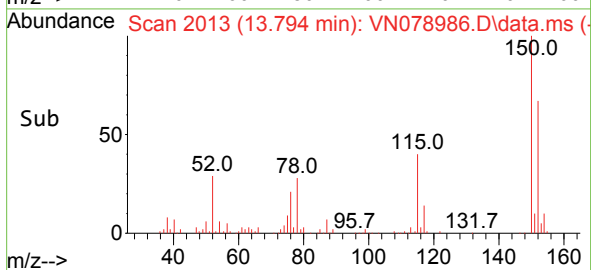
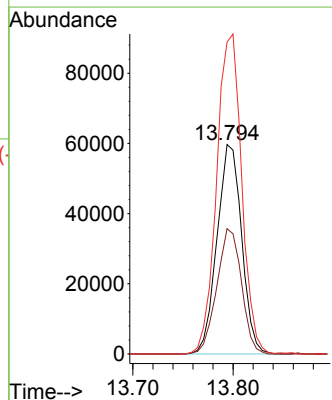
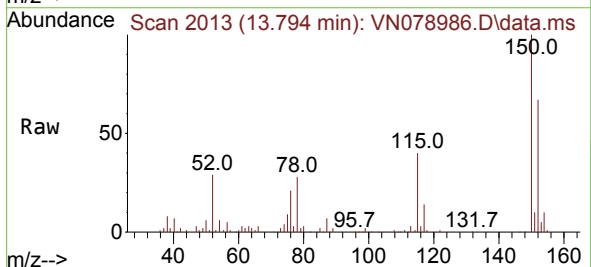
Instrument :
MSVOA_N
ClientSampleId :

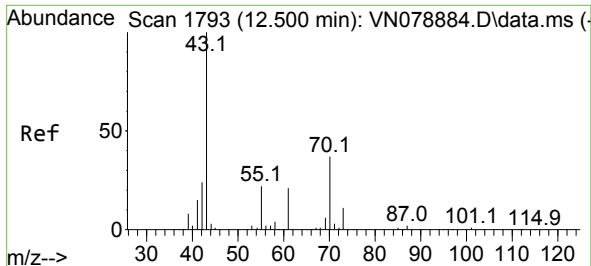
Tgt Ion:117 Resp: 337955
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

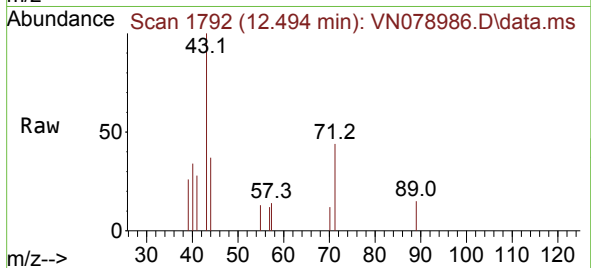
Tgt Ion:152 Resp: 101735
Ion Ratio Lower Upper
152 100
115 59.8 32.3 96.8
150 155.3 0.0 355.8



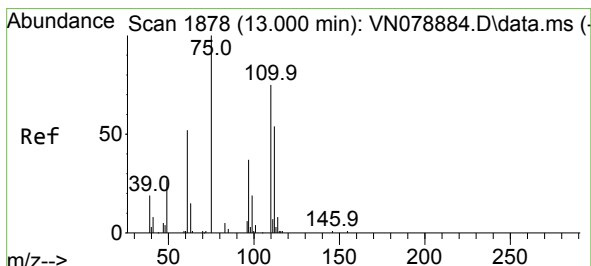
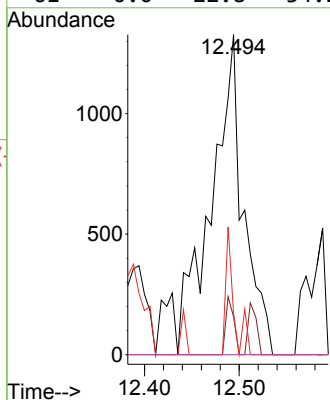
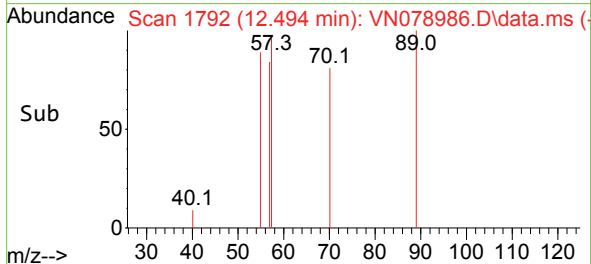


#74
N-amy1 acetate
Concen: 0.731 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

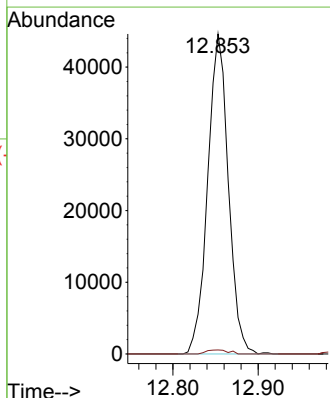
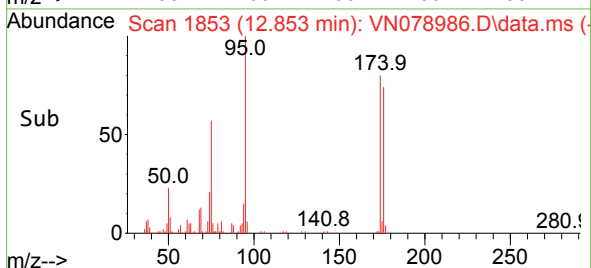
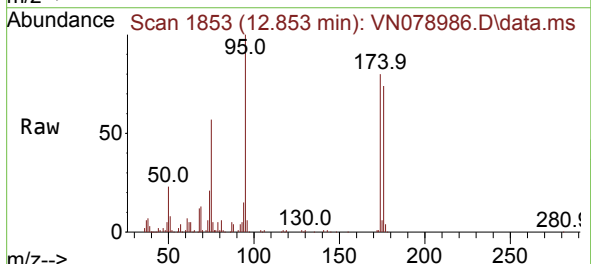


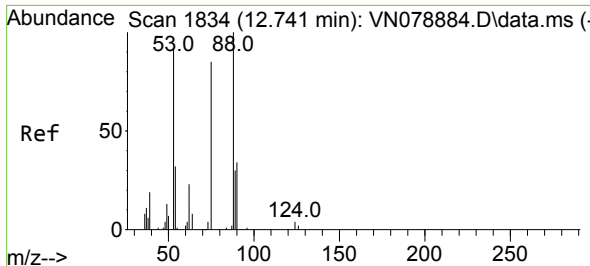
Tgt Ion: 43	Resp: 3130
Ion Ratio	Lower Upper
43	100
70	4.5 43.4 65.2#
55	10.0 21.4 32.0#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 30.662 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

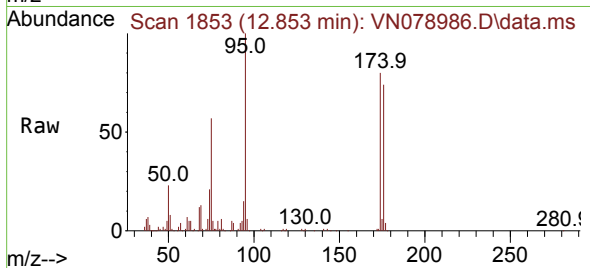
Tgt Ion: 75	Resp: 75163
Ion Ratio	Lower Upper
75	100
77	1.3 84.5 253.5#



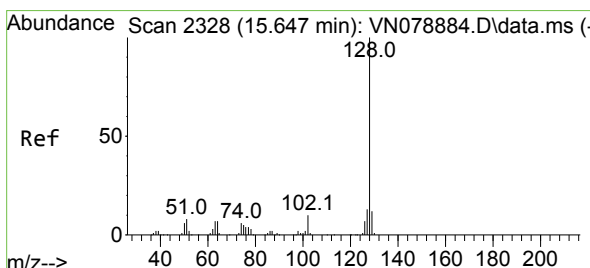
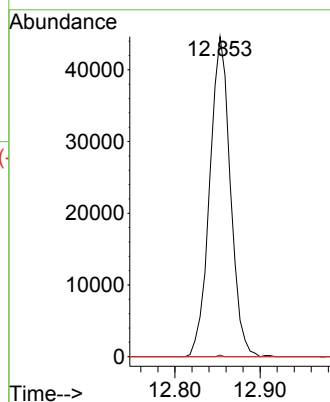
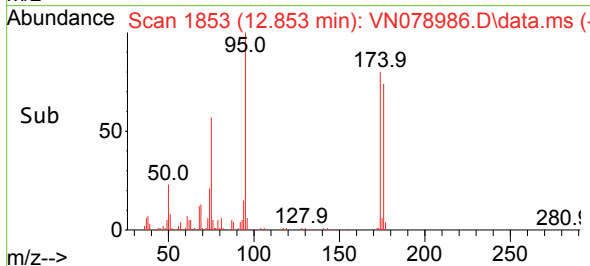


#81
trans-1,4-Dichloro-2-butene
Concen: 78.329 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58

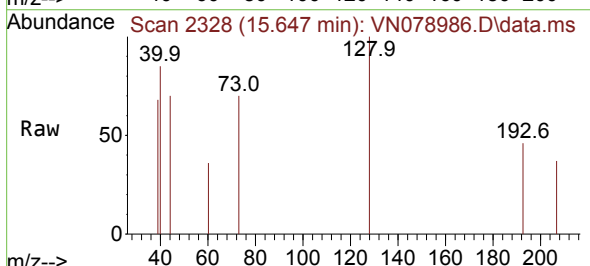
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 75163
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.738 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078986.D
Acq: 22 Aug 2023 11:58



Tgt Ion: 128 Resp: 810
Ion Ratio Lower Upper
128 100
127 10.0 10.0 15.0
129 0.0 8.7 13.1#

