

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078953.D
 Acq On : 18 Aug 2023 19:36
 Operator : JC\MD
 Sample : PB154902ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:48:04 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)

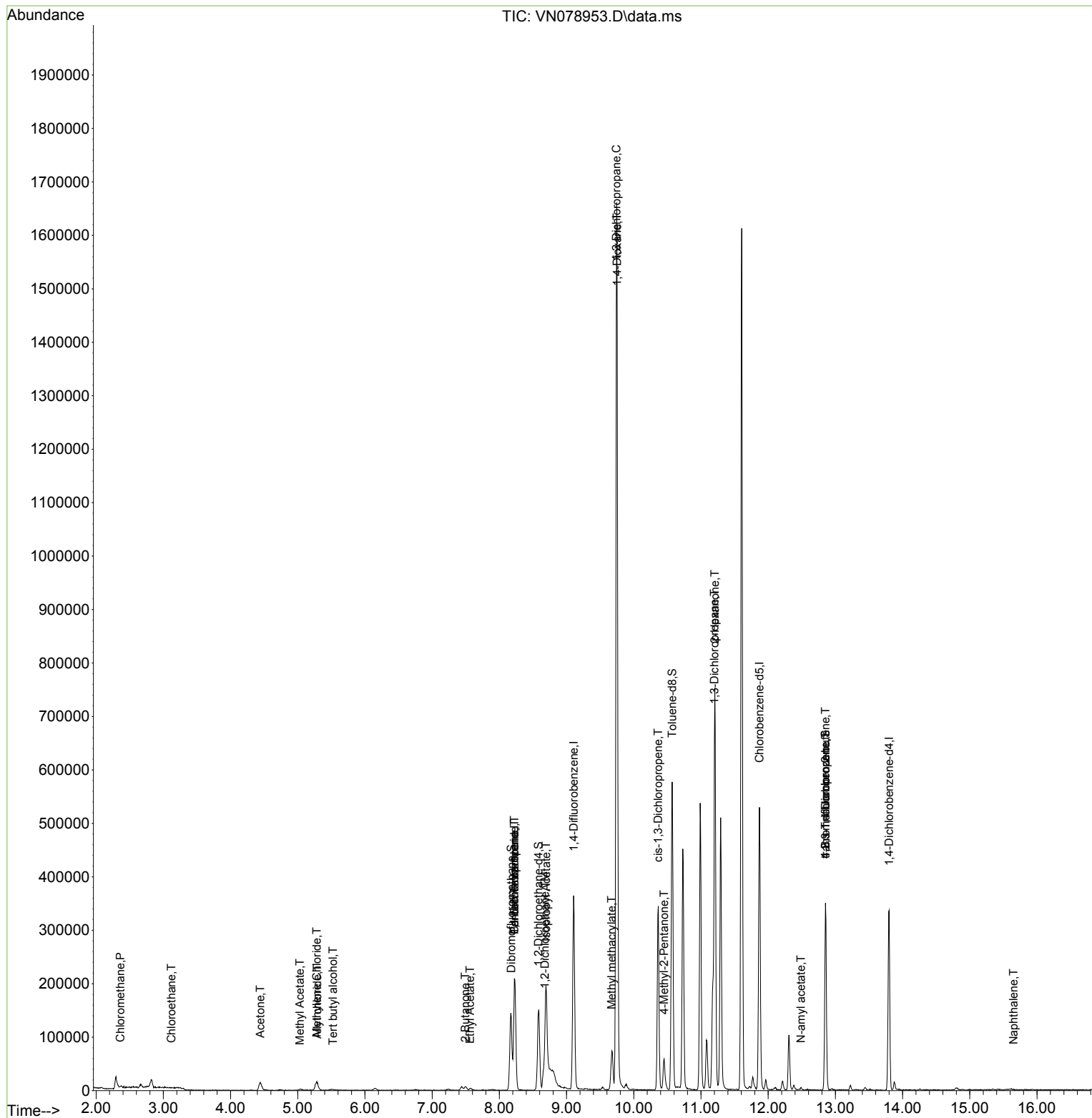
Internal Standards						
1) Pentafluorobenzene	8.224	168	149778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	289928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	87755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119835	51.416	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.840%	
35) Dibromofluoromethane	8.177	113	101138	51.261	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.520%	
50) Toluene-d8	10.570	98	382946	52.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.853	95	113151	47.253	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1023	0.353	ug/l #	86
6) Chloroethane	3.118	64	835	0.469	ug/l #	43
11) Tert butyl alcohol	5.524	59	1702	4.352	ug/l #	72
14) Allyl chloride	5.288	41	664	0.207	ug/l #	25
16) Acetone	4.441	43	27465	28.560	ug/l	100
18) Methyl Acetate	5.030	43	4133	1.017	ug/l #	69
20) Methylene Chloride	5.283	84	11796	5.756	ug/l #	83
25) 2-Butanone	7.494	43	11031	7.155	ug/l #	68
31) Cyclohexane	8.224	56	3912	Below Cal	#	41
36) 1,1-Dichloropropene	8.224	75	13439	4.528	ug/l #	49
37) Ethyl Acetate	7.565	43	7056	2.125	ug/l #	73
38) Carbon Tetrachloride	8.224	117	16282	5.475	ug/l #	16
42) 1,2-Dichloroethane	8.676	62	1537	0.469	ug/l #	73
43) Isopropyl Acetate	8.694	43	266196	45.354	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1989	0.852	ug/l #	45
48) Methyl methacrylate	9.671	41	5574	2.096	ug/l #	32
49) 1,4-Dioxane	9.753	88	164	3.620	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	47482	13.640	ug/l #	78
54) cis-1,3-Dichloropropene	10.365	75	57324	15.515	ug/l #	73
57) 1,3-Dichloropropane	11.200	76	7371	1.908	ug/l #	42
59) 2-Hexanone	11.206	43	103385	41.004	ug/l #	46
74) N-amyl acetate	12.488	43	2674	0.724	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	61819	29.236	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61819	74.686	ug/l #	15
95) Naphthalene	15.652	128	78	2.593	ug/l #	70

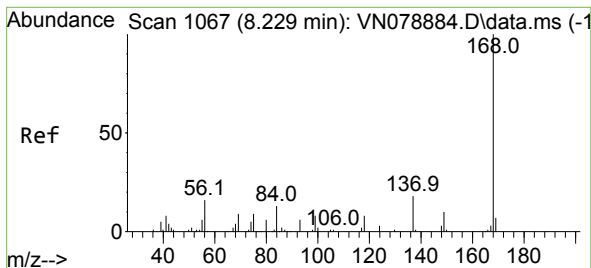
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

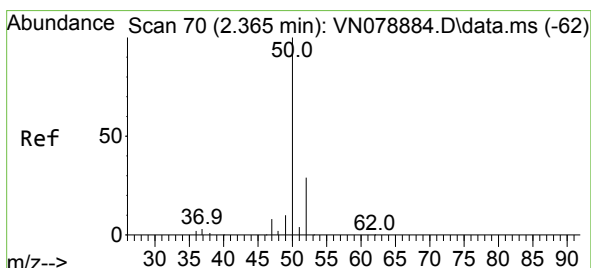
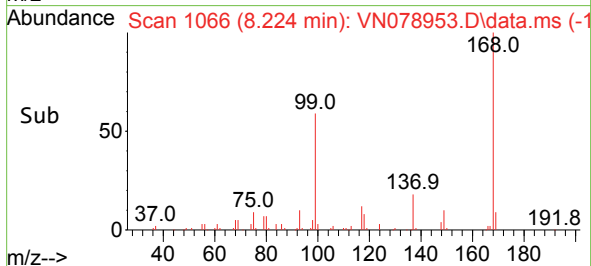
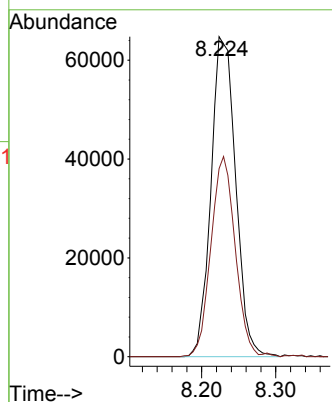
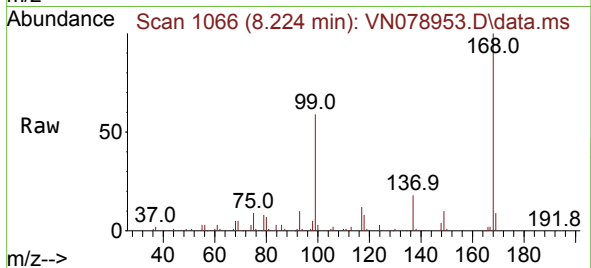
ClientSampleId :

Tgt Ion:168 Resp: 149778

Ion Ratio Lower Upper

168 100

99 58.7 53.0 79.6



#3

Chloromethane

Concen: 0.353 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN078953.D

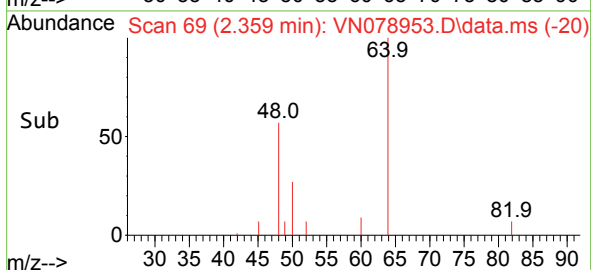
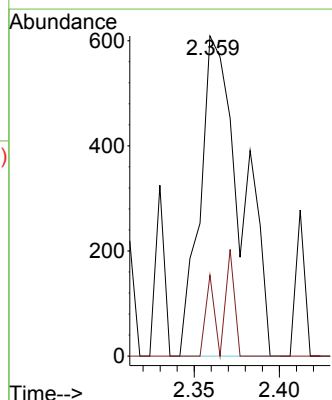
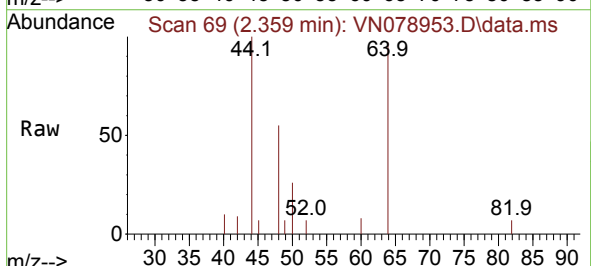
Acq: 18 Aug 2023 19:36

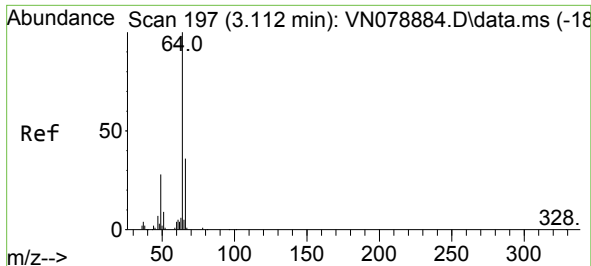
Tgt Ion: 50 Resp: 1023

Ion Ratio Lower Upper

50 100

52 25.3 26.5 39.7#

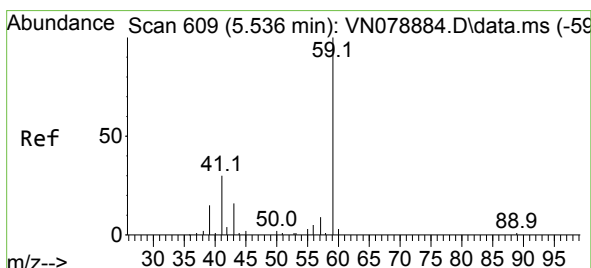
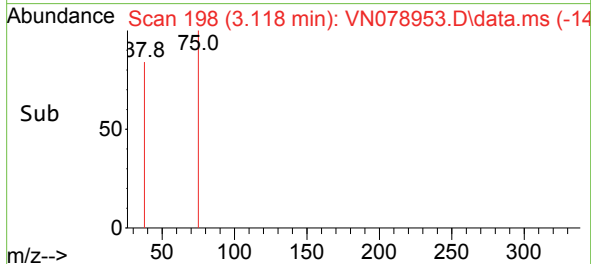
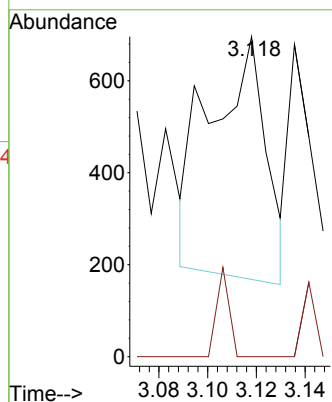
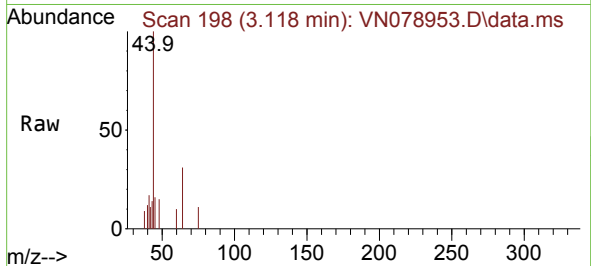




#6
Chloroethane
Concen: 0.469 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

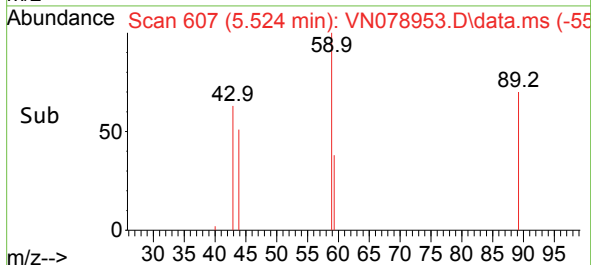
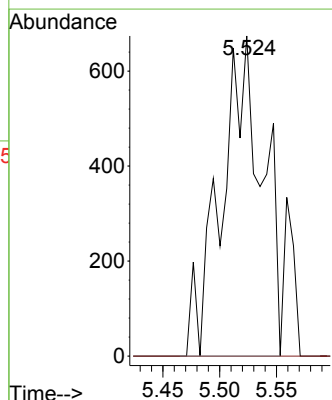
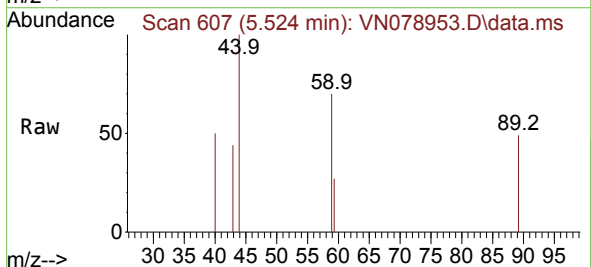
Instrument :
MSVOA_N
ClientSampleId :

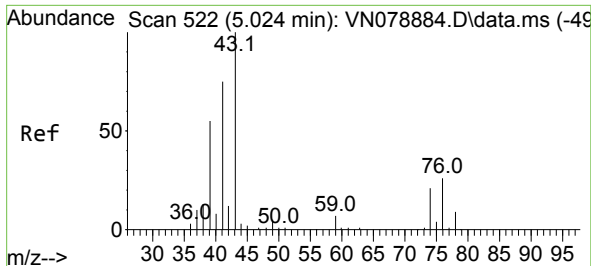
Tgt Ion: 64 Resp: 835
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 4.352 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

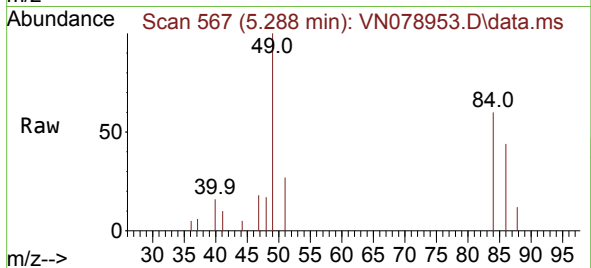
Tgt Ion: 59 Resp: 1702
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



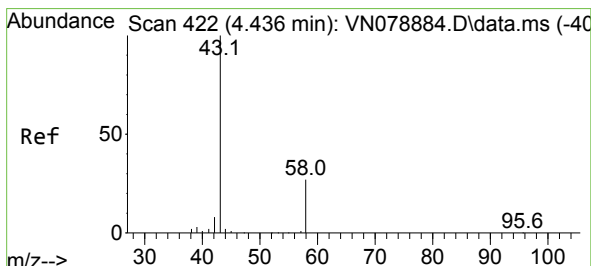
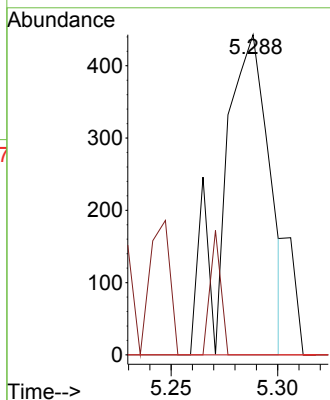
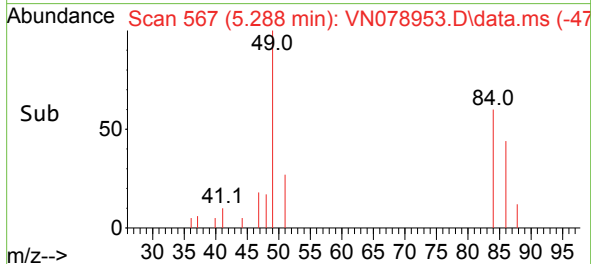


#14
 Allyl chloride
 Concen: 0.207 ug/l
 RT: 5.288 min Scan# 51
 Delta R.T. 0.258 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

Instrument :
 MSVOA_N
 ClientSampleId :

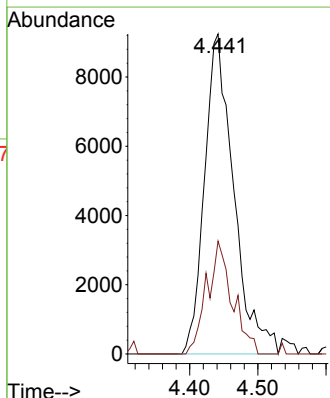
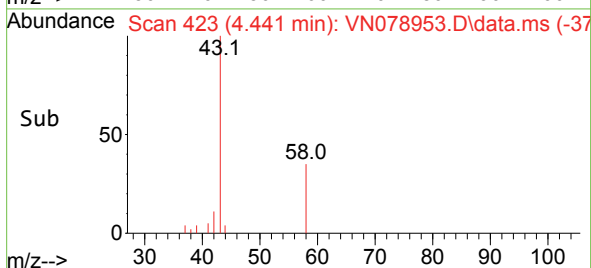
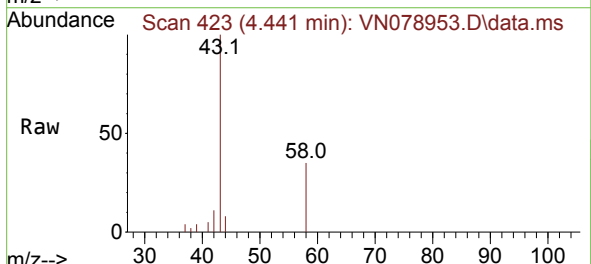


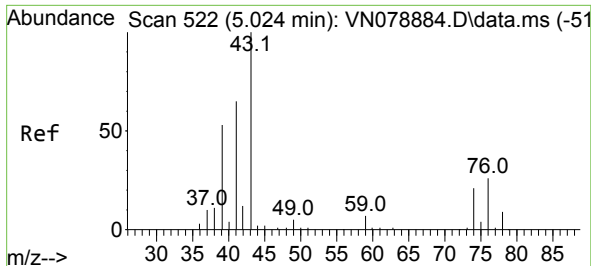
Tgt Ion: 41 Resp: 664
 Ion Ratio Lower Upper
 41 100
 39 9.2 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 28.560 ug/l
 RT: 4.441 min Scan# 423
 Delta R.T. -0.001 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 27465
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0

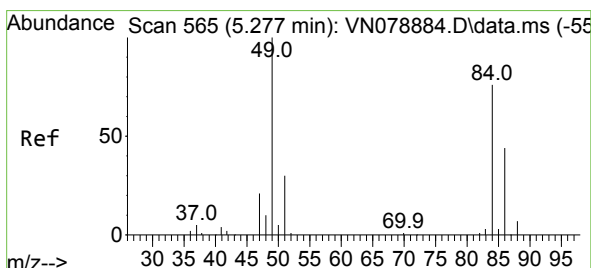
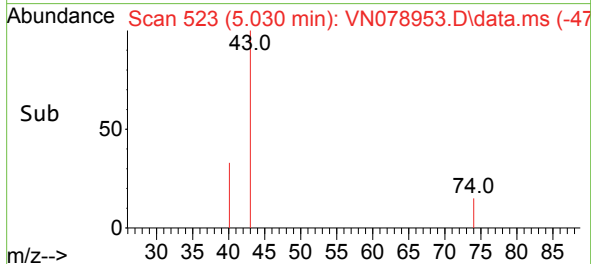
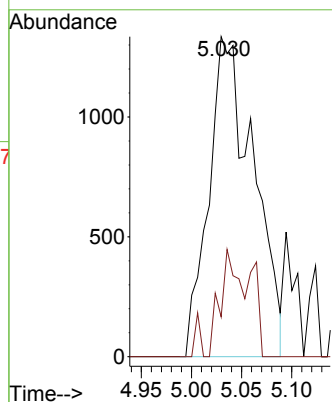
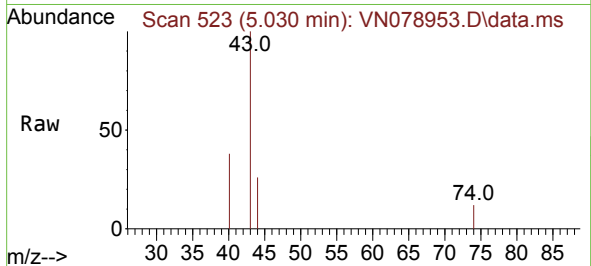




#18
Methyl Acetate
Concen: 1.017 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

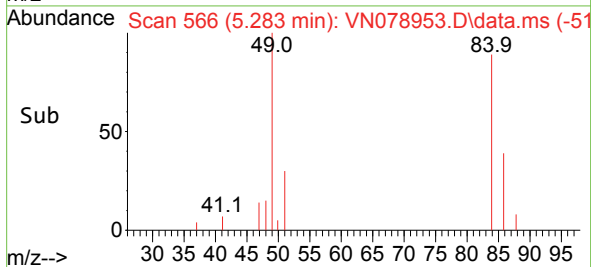
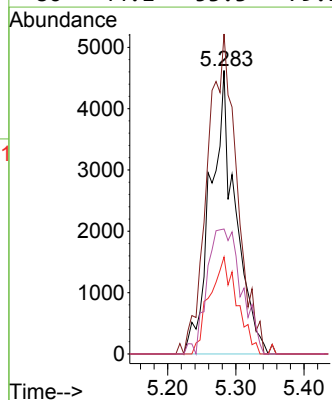
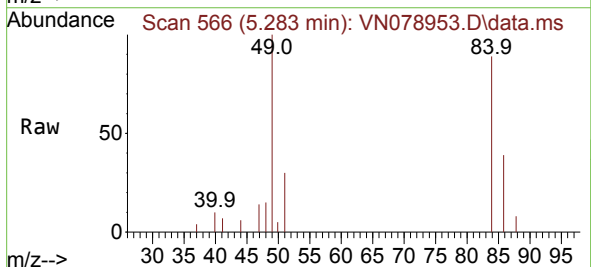
Instrument :
MSVOA_N
ClientSampleId :

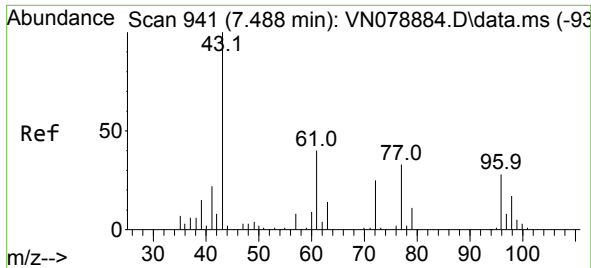
Tgt Ion: 43 Resp: 4133
Ion Ratio Lower Upper
43 100
74 15.2 26.2 39.4#



#20
Methylene Chloride
Concen: 5.756 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

Tgt Ion: 84 Resp: 11796
Ion Ratio Lower Upper
84 100
49 112.9 79.7 119.5
51 34.2 25.2 37.8
86 44.1 53.3 79.9#

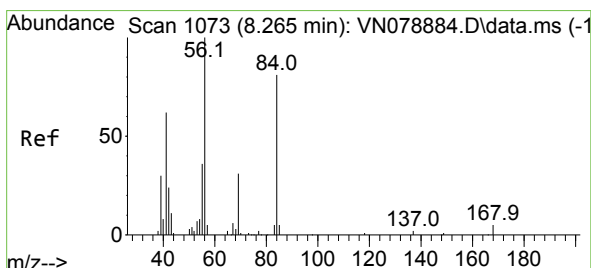
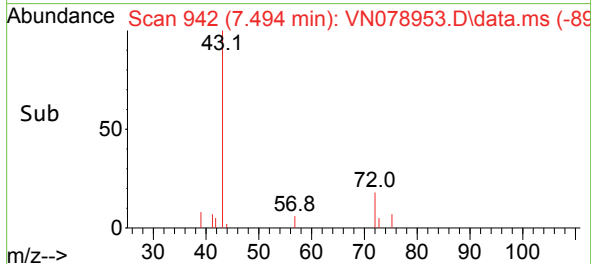
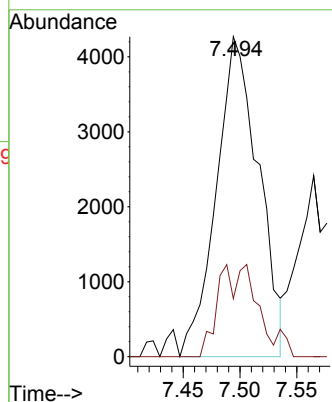
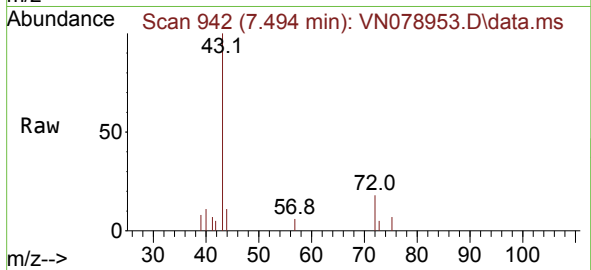




#25
2-Butanone
Concen: 7.155 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

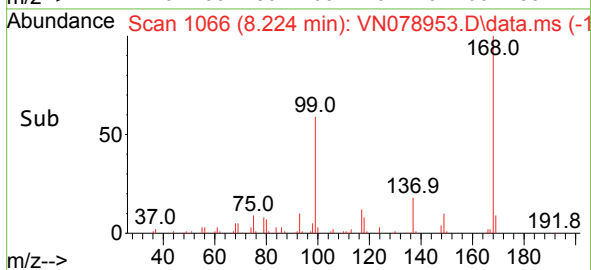
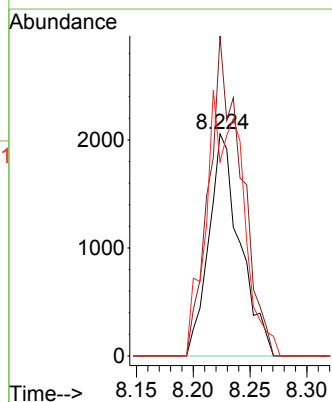
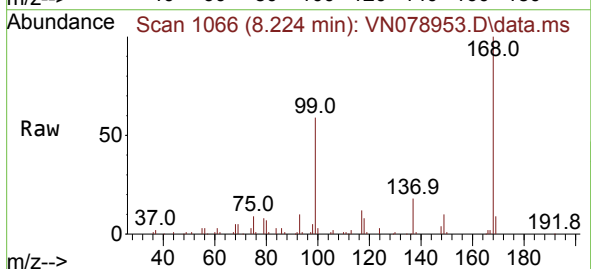
Instrument :
MSVOA_N
ClientSampleId :

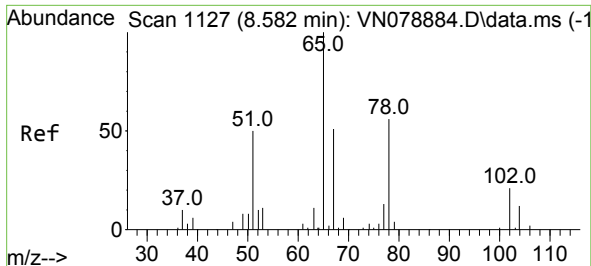
Tgt Ion: 43 Resp: 11031
Ion Ratio Lower Upper
43 100
72 18.2 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

Tgt Ion: 56 Resp: 3912
Ion Ratio Lower Upper
56 100
69 144.1 26.8 40.2#
84 87.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.416 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

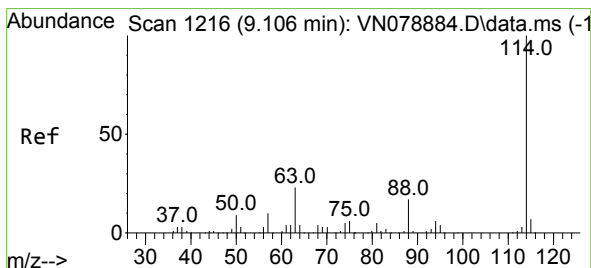
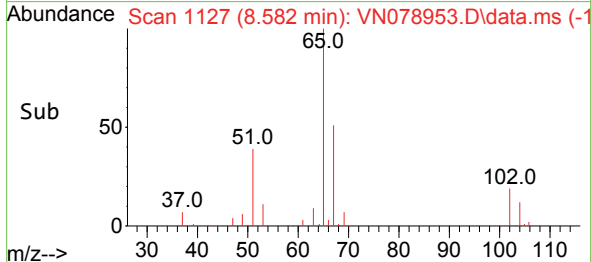
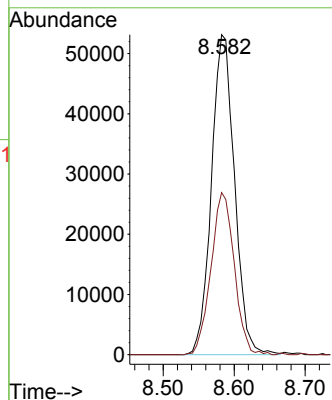
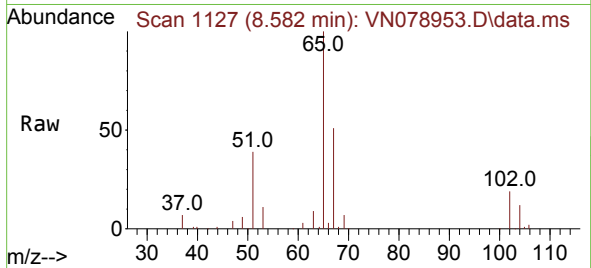
ClientSampleId :

Tgt Ion: 65 Resp: 119835

Ion Ratio Lower Upper

65 100

67 51.1 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: VN078953.D

Acq: 18 Aug 2023 19:36

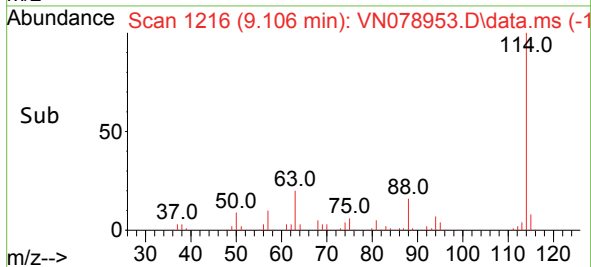
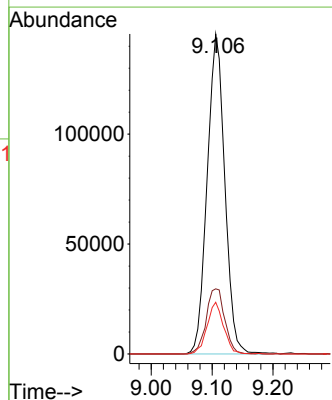
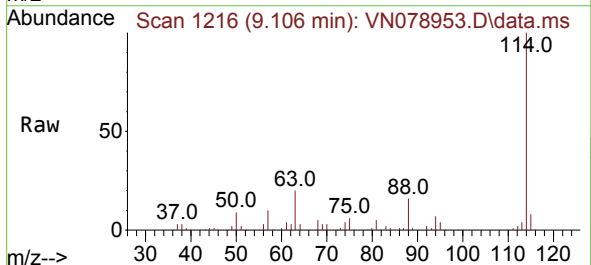
Tgt Ion: 114 Resp: 293103

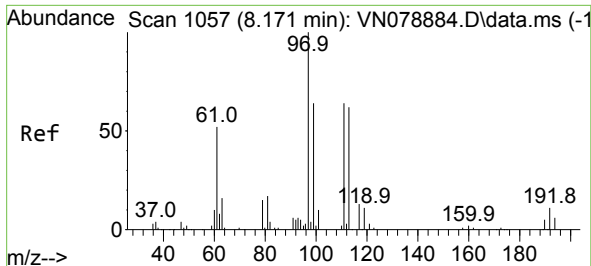
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.261 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

ClientSampleId :

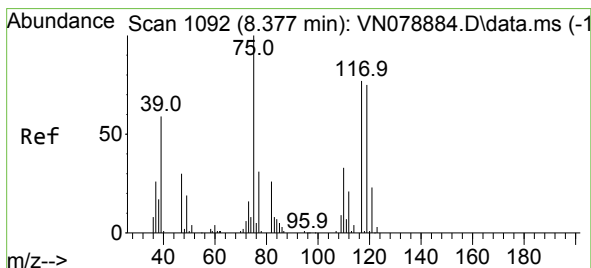
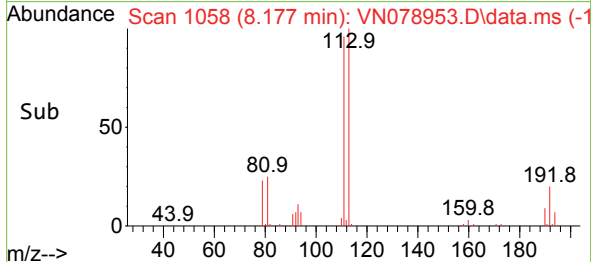
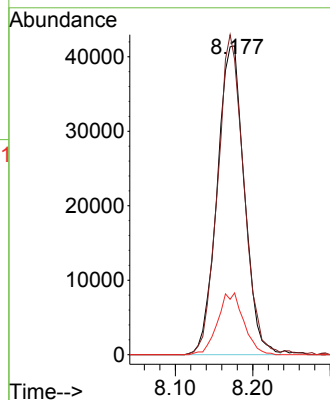
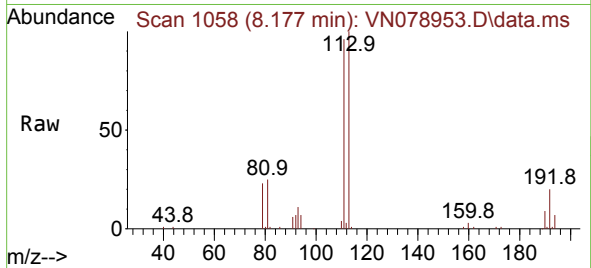
Tgt Ion:113 Resp: 101138

Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 19.2 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.528 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

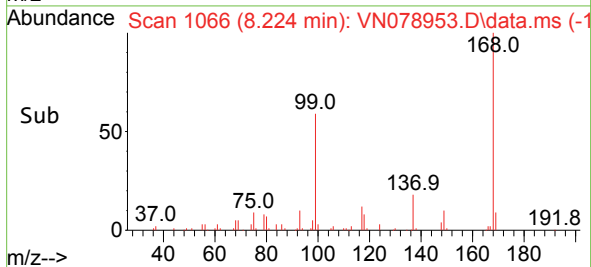
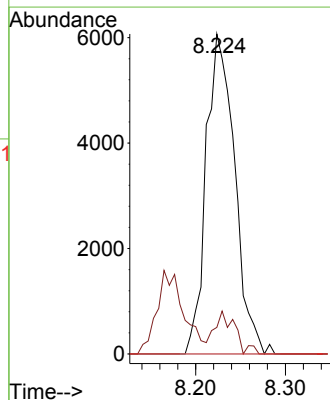
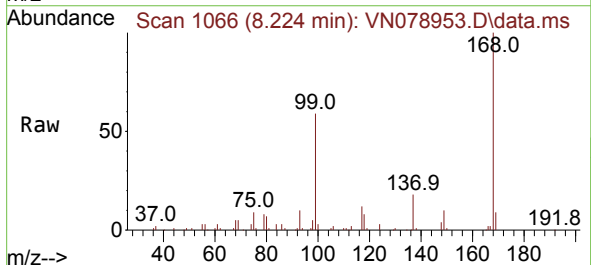
Tgt Ion: 75 Resp: 13439

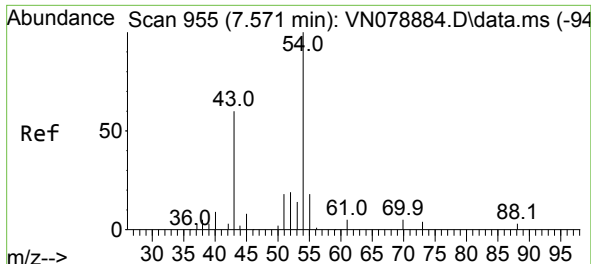
Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.125 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

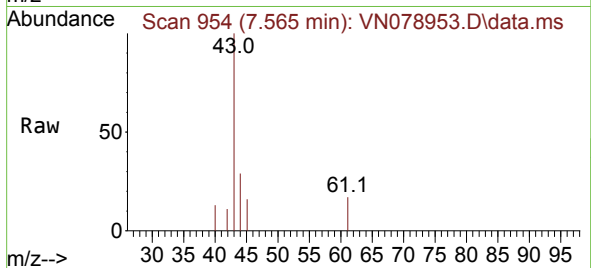
Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

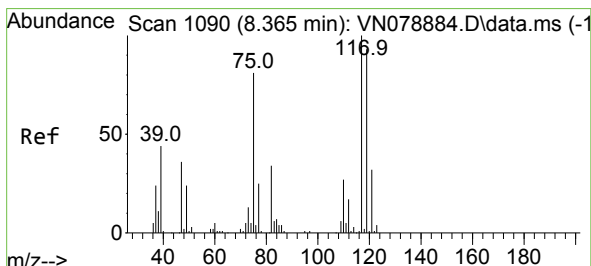
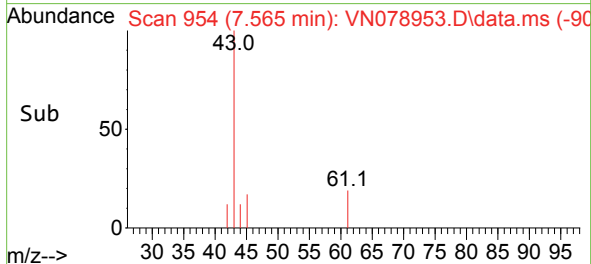
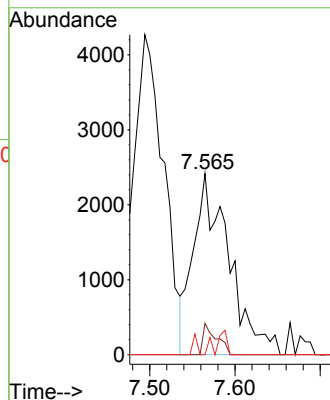
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	7056
Ion	Ratio	Lower	Upper
43	100		
61	6.4	13.2	19.8#
70	1.4	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.475 ug/l

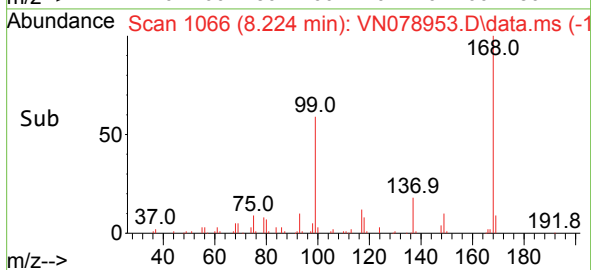
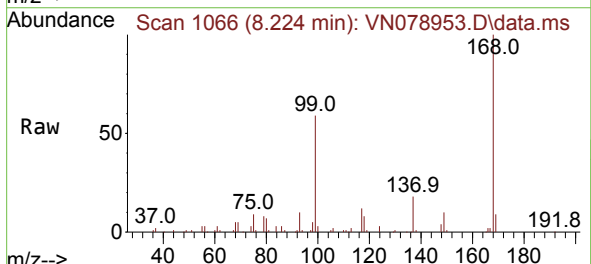
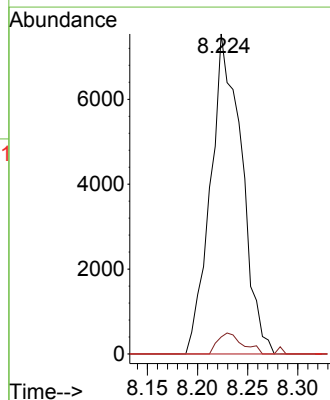
RT: 8.224 min Scan# 1066

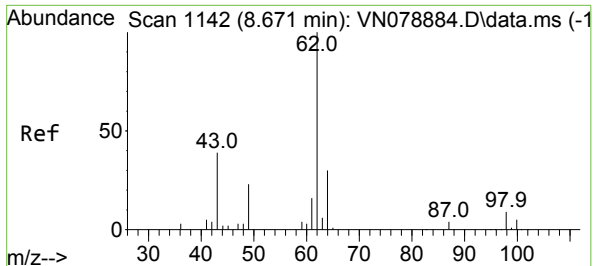
Delta R.T. -0.147 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Tgt Ion:	117	Resp:	16282
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.469 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.001 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

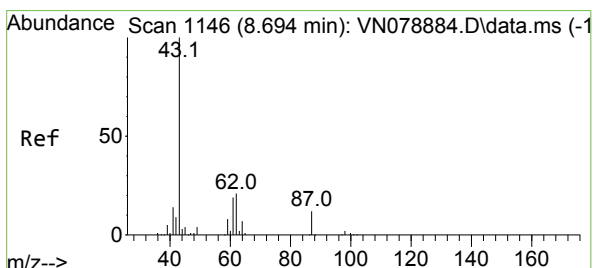
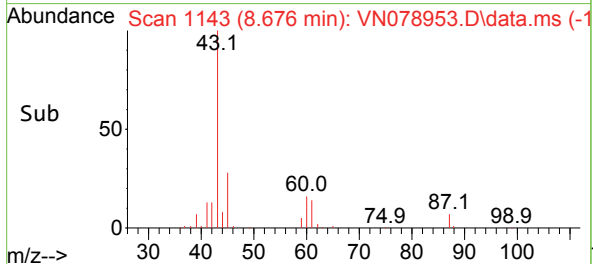
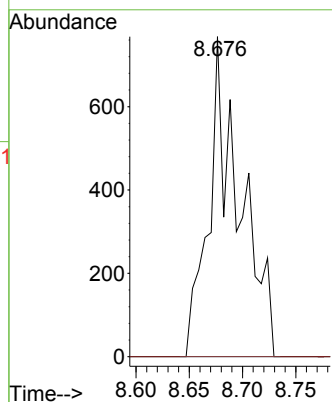
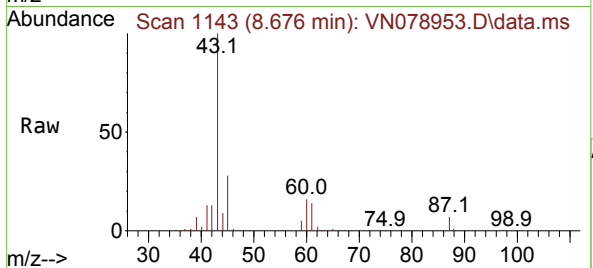
ClientSampleId :

Tgt Ion: 62 Resp: 1537

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 45.354 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

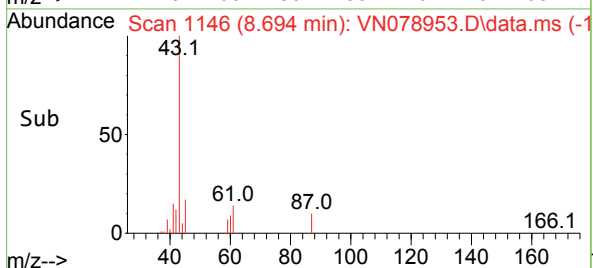
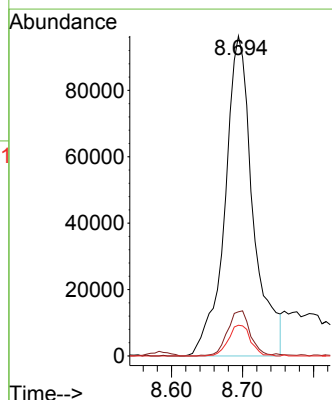
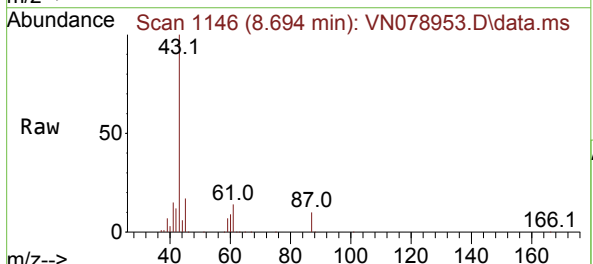
Tgt Ion: 43 Resp: 266196

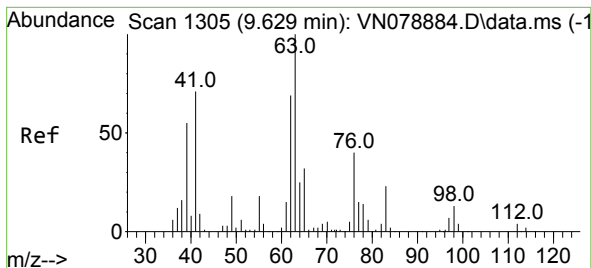
Ion Ratio Lower Upper

43 100

61 11.3 24.7 37.1#

87 7.5 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.852 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.117 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

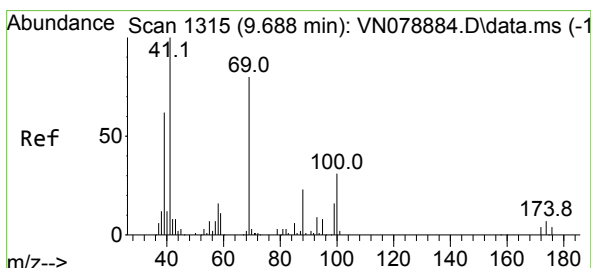
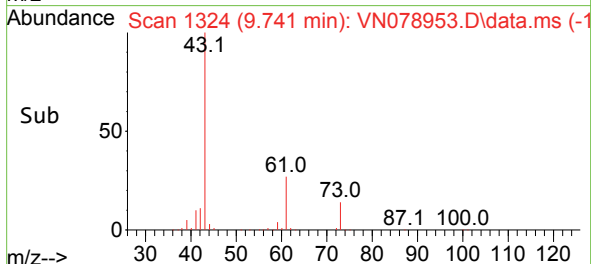
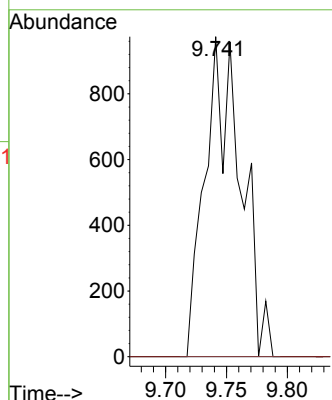
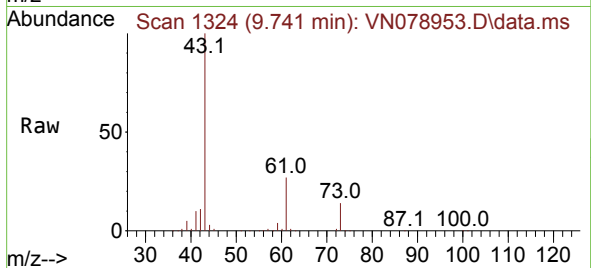
ClientSampleId :

Tgt Ion: 63 Resp: 1989

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 2.096 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

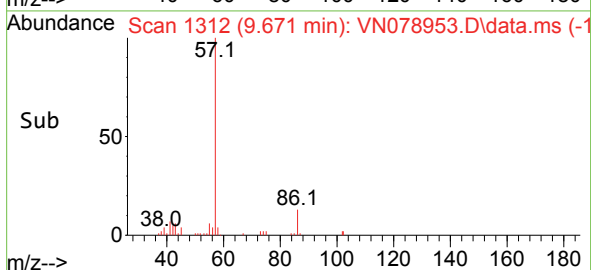
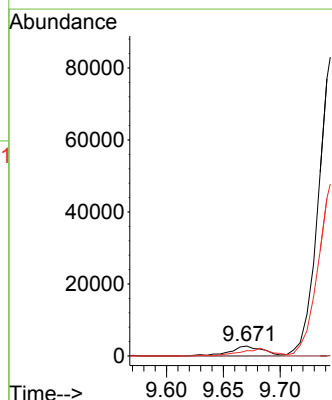
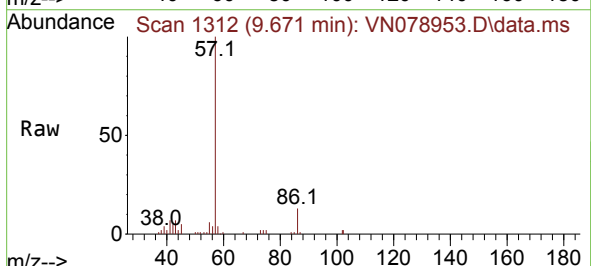
Tgt Ion: 41 Resp: 5574

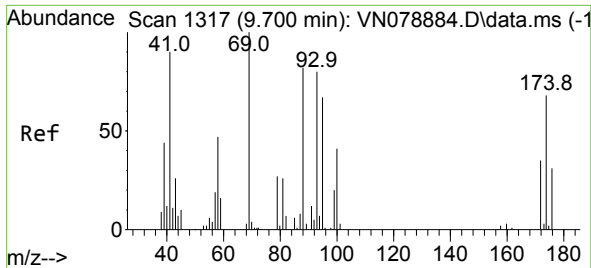
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 73.2 54.6 81.8





#49

1,4-Dioxane

Concen: 3.620 ug/l

RT: 9.753 min Scan# 1

Delta R.T. 0.053 min

Lab File: VN078953.D

Acq: 18 Aug 2023 19:36

Instrument :

MSVOA_N

ClientSampleId :

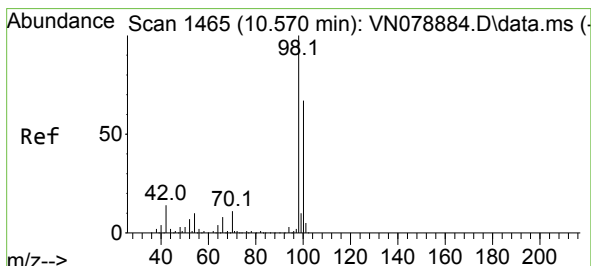
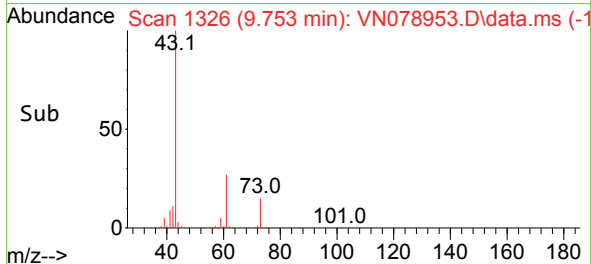
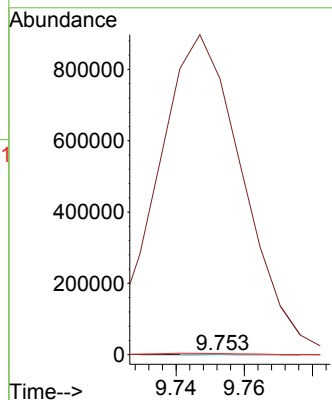
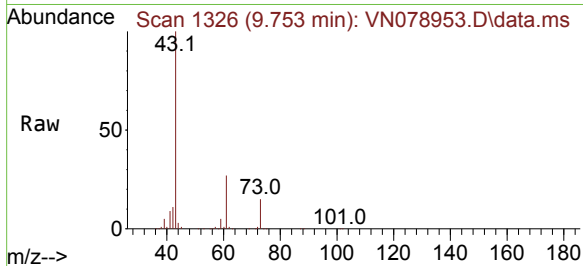
Tgt Ion: 88 Resp: 164

Ion Ratio Lower Upper

88 100

43 978082.9 17.0 25.6#

58 4708.5 47.0 70.4#



#50

Toluene-d8

Concen: 52.272 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN078953.D

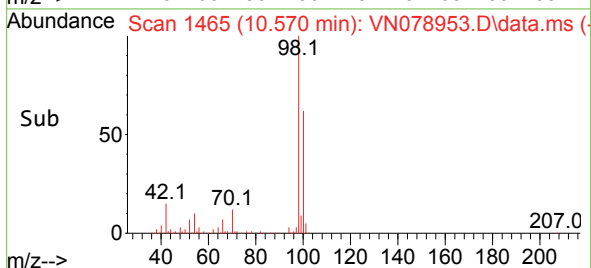
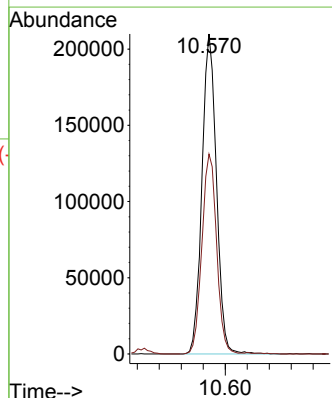
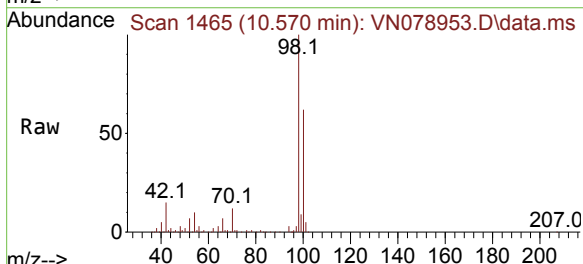
Acq: 18 Aug 2023 19:36

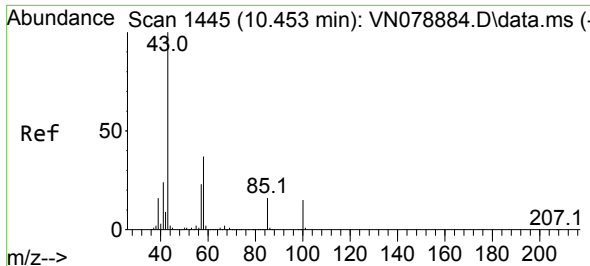
Tgt Ion: 98 Resp: 382946

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0

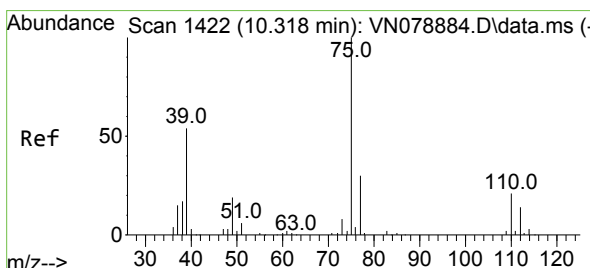
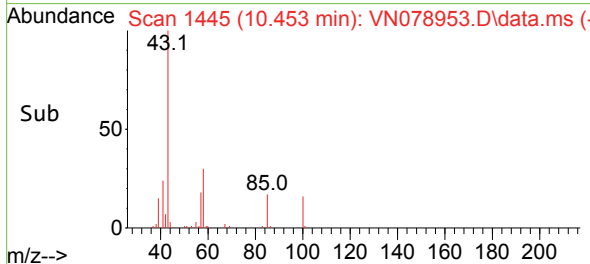
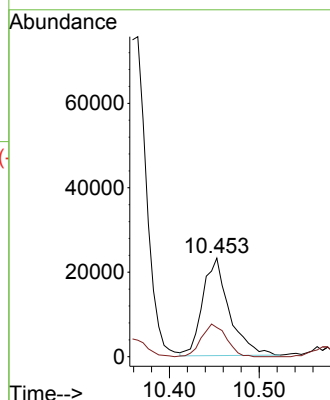
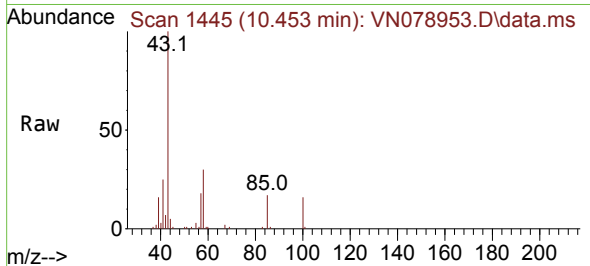




#51
4-Methyl-2-Pentanone
Concen: 13.640 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

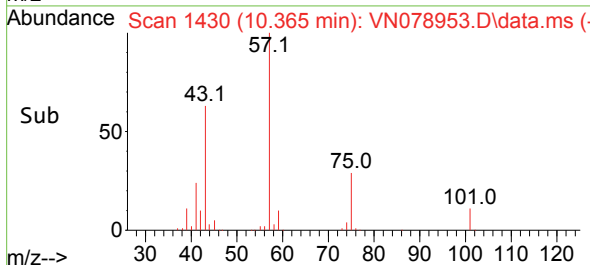
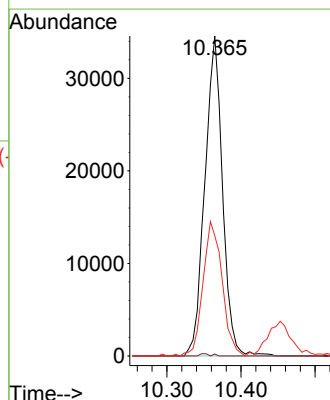
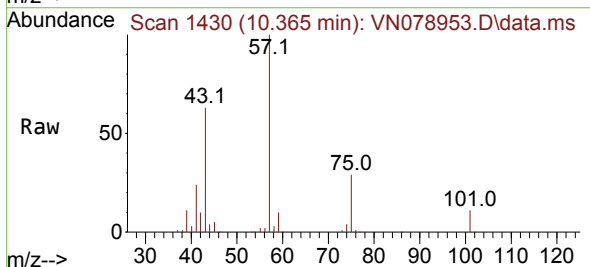
Instrument :
MSVOA_N
ClientSampleId :

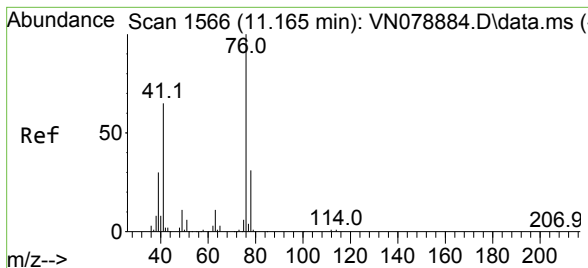
Tgt Ion: 43 Resp: 47482
Ion Ratio Lower Upper
43 100
58 31.4 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 15.515 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

Tgt Ion: 75 Resp: 57324
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 37.6 31.6 47.4

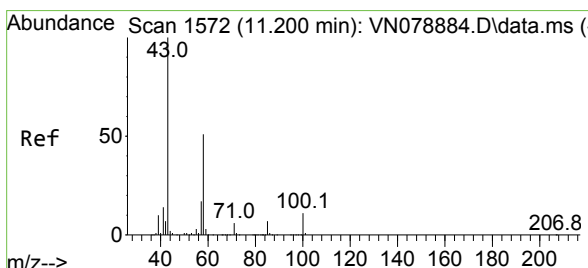
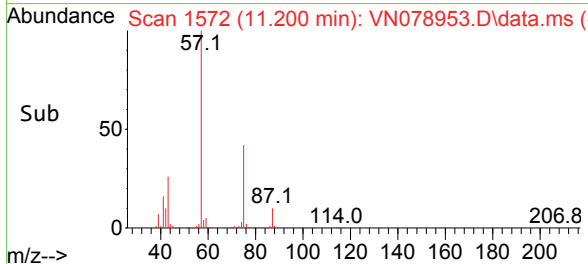
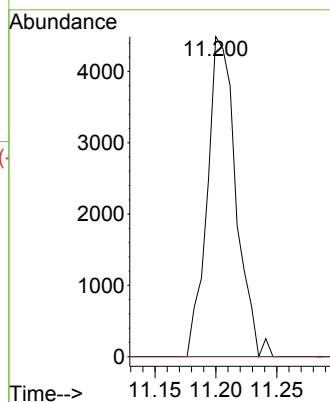
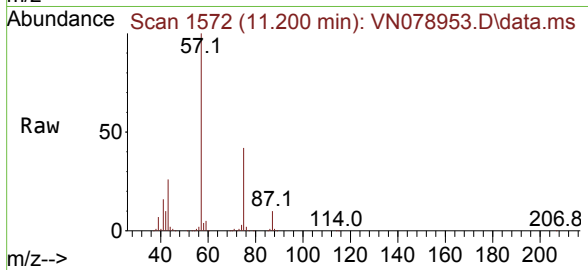




#57
1,3-Dichloropropane
Concen: 1.908 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

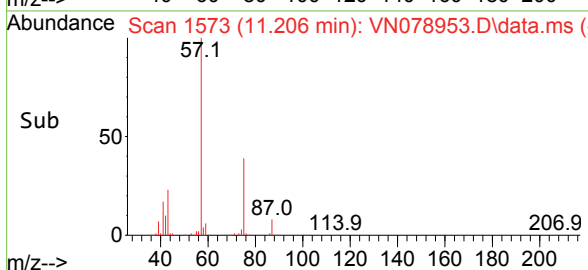
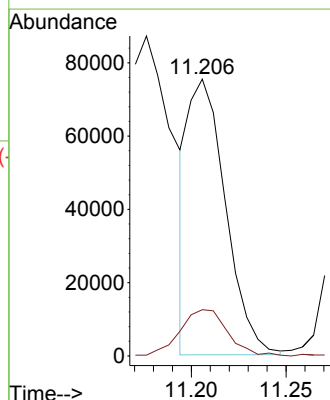
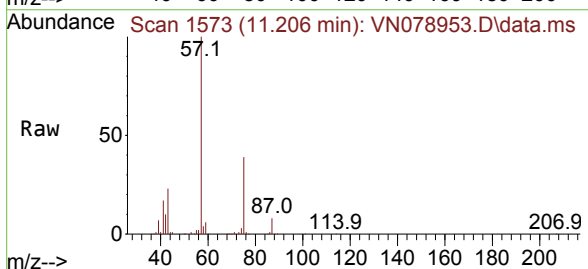
Instrument :
MSVOA_N
ClientSampleId :

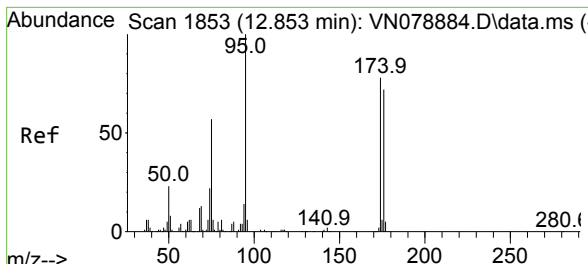
Tgt Ion: 76 Resp: 7371
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 41.004 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 103385
Ion Ratio Lower Upper
43 100
58 21.4 31.7 95.1#

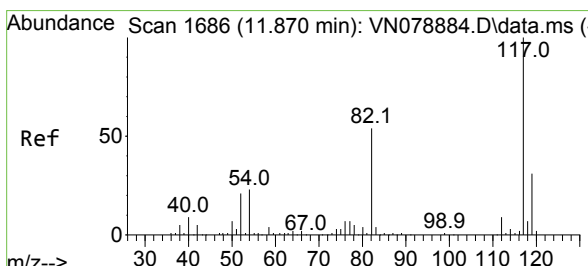
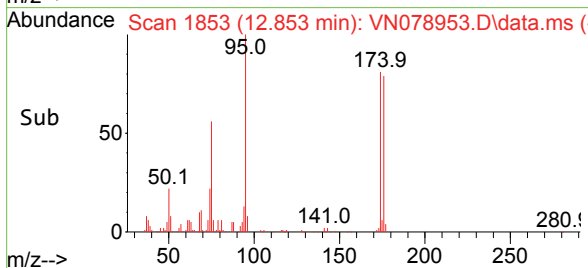
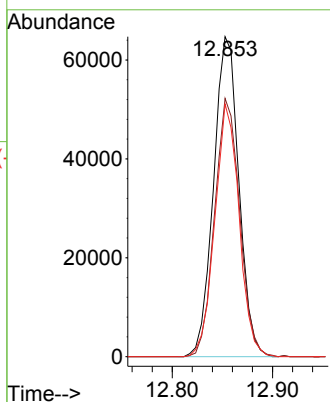
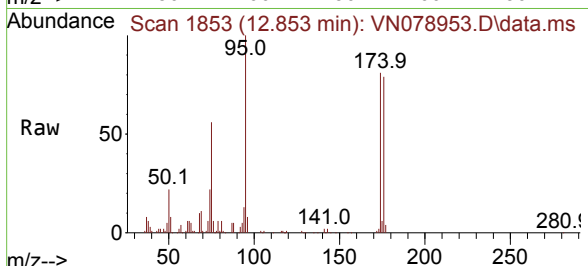




#62
 4-Bromofluorobenzene
 Concen: 47.253 ug/l
 RT: 12.853 min Scan# 113151
 Delta R.T. -0.000 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

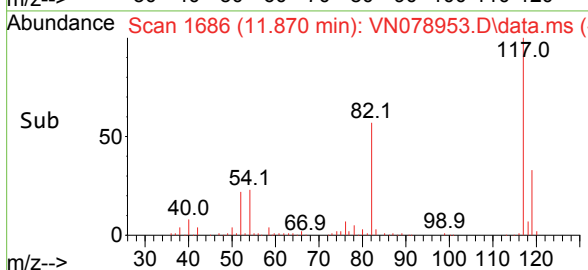
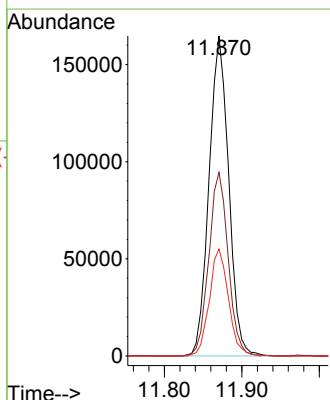
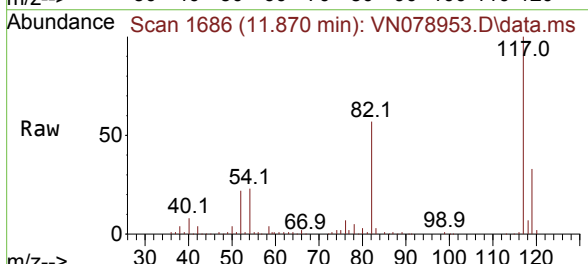
Instrument :
 MSVOA_N
 ClientSampleId :

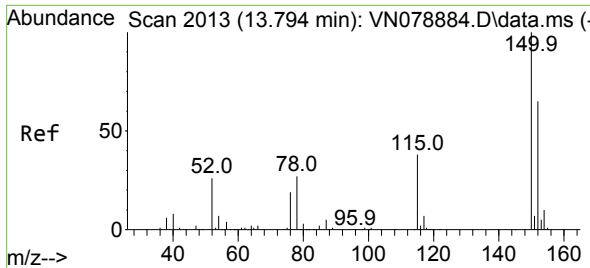
Tgt Ion:	95	Resp:	113151
Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	143.8
176	75.8	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

Tgt Ion:	117	Resp:	289928
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.0	66.0
119	33.4	25.6	38.4

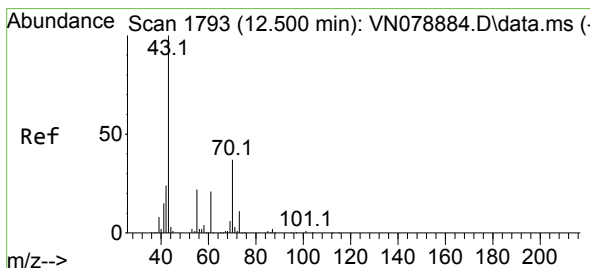
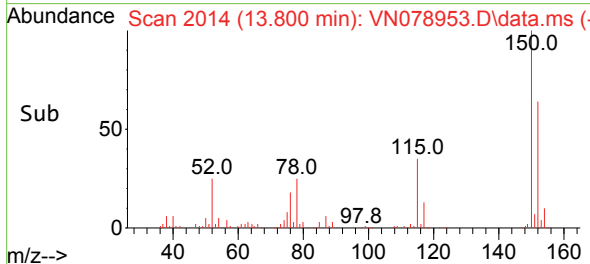
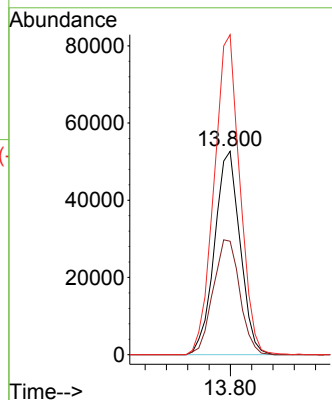
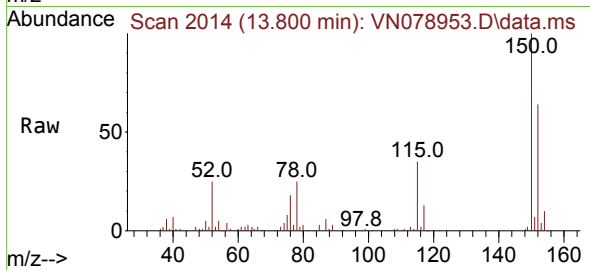




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

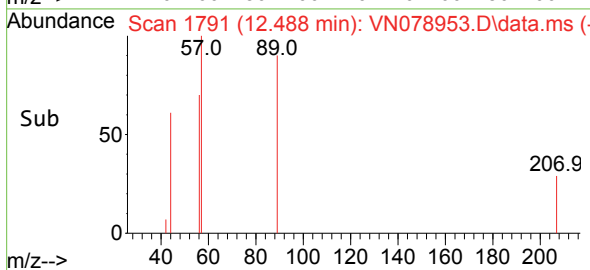
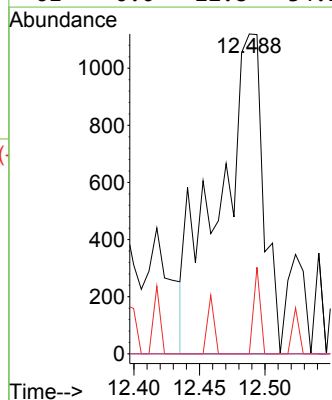
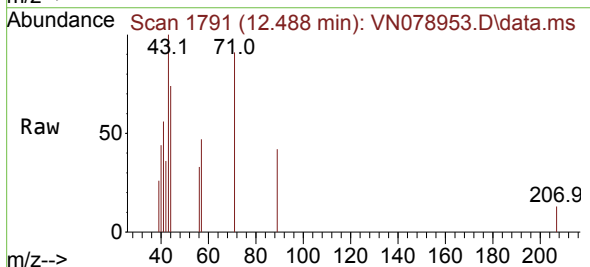
Instrument :
 MSVOA_N
 ClientSampleId :

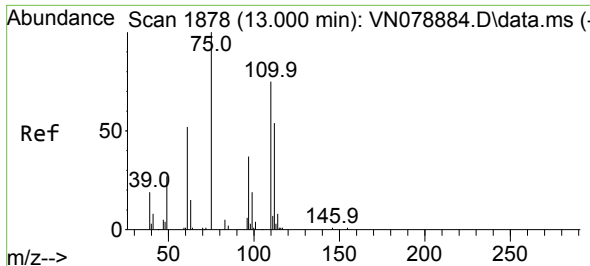
Tgt Ion:152 Resp: 87755
 Ion Ratio Lower Upper
 152 100
 115 58.9 32.3 96.8
 150 158.1 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.724 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN078953.D
 Acq: 18 Aug 2023 19:36

Tgt Ion: 43 Resp: 2674
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 4.0 21.4 32.0#
 61 0.0 22.8 34.2#

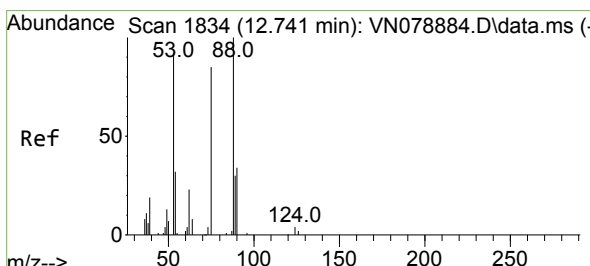
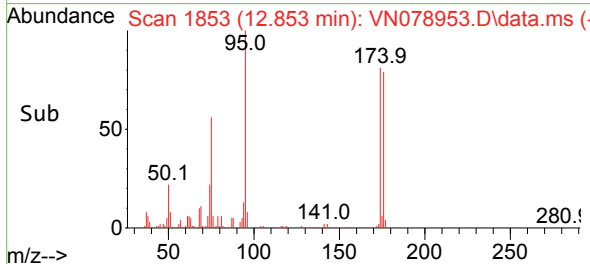
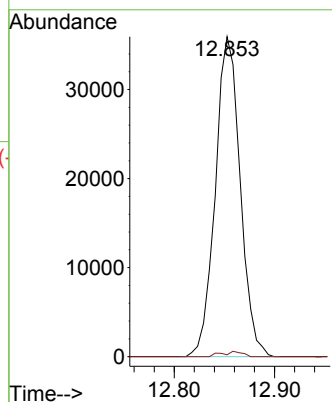
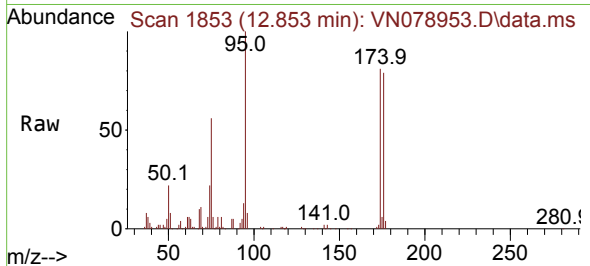




#76
1,2,3-Trichloropropane
Concen: 29.236 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

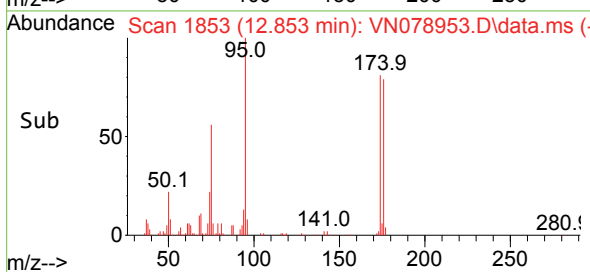
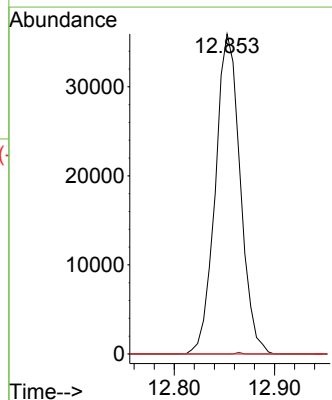
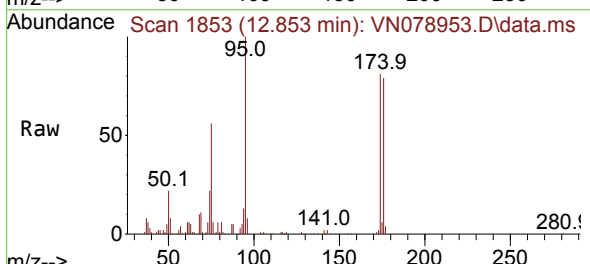
Instrument :
MSVOA_N
ClientSampleId :

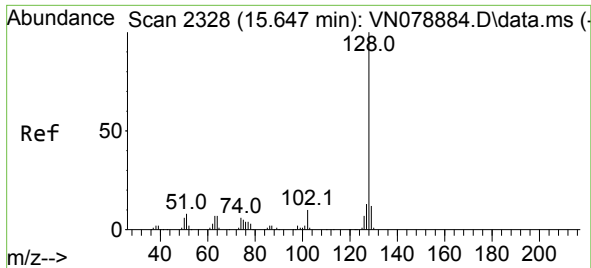
Tgt Ion: 75 Resp: 61819
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.686 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

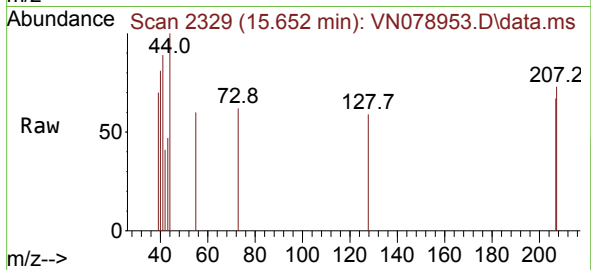
Tgt Ion: 75 Resp: 61819
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.593 ug/l
RT: 15.652 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN078953.D
Acq: 18 Aug 2023 19:36

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	78
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

