

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078991.D
 Acq On : 22 Aug 2023 13:59
 Operator : JC\MD
 Sample : PB154968ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:02:09 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)

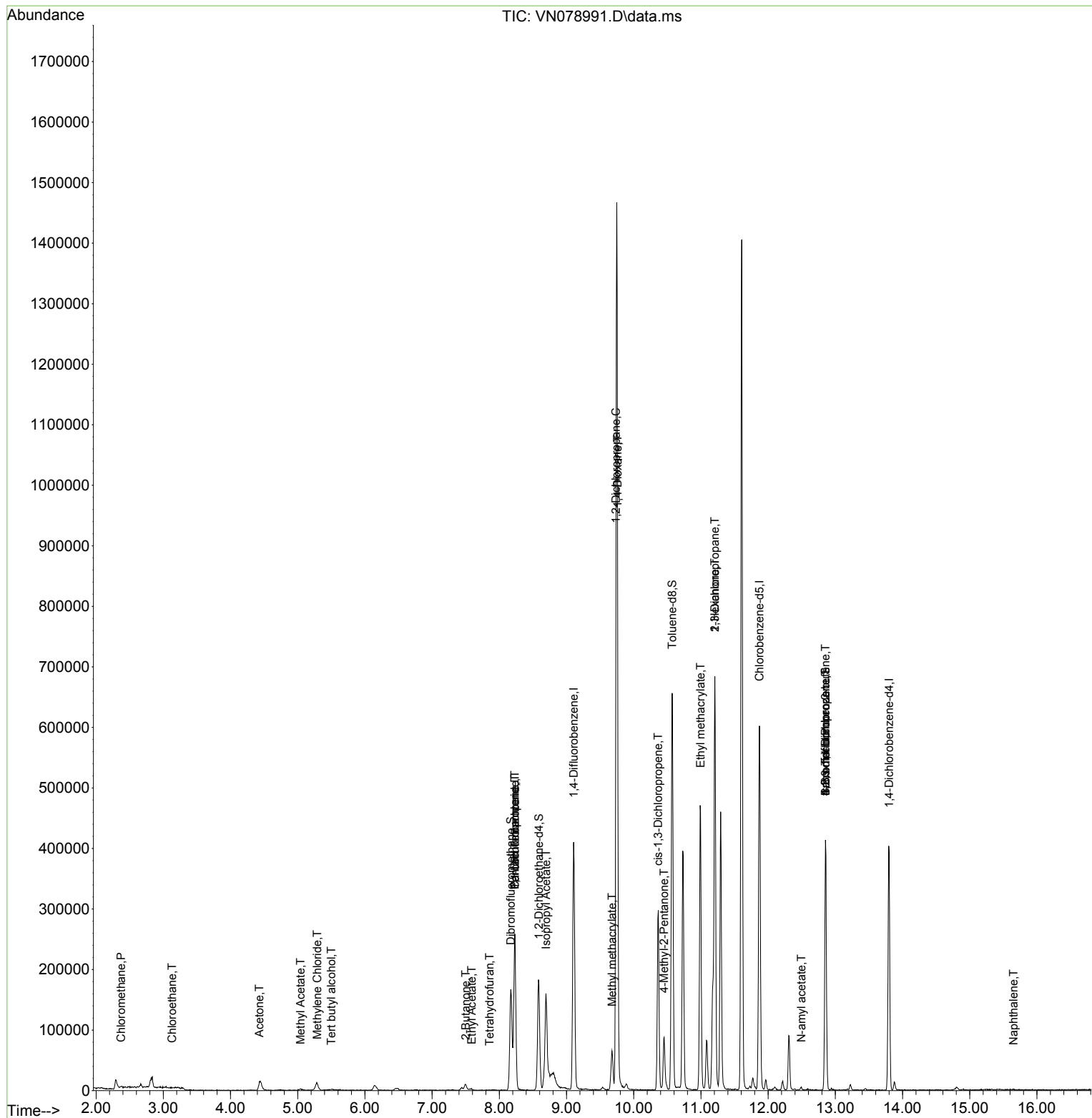
Internal Standards						
1) Pentafluorobenzene	8.230	168	176568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	338571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	337304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	105576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145600	52.993	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	8.171	113	117000	51.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	10.571	98	440563	52.061	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.853	95	136257	49.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.520%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	977	0.286	ug/l #	42
6) Chloroethane	3.130	64	970	0.463	ug/l #	43
11) Tert butyl alcohol	5.500	59	687	1.490	ug/l #	72
16) Acetone	4.430	43	28601	25.228	ug/l	89
18) Methyl Acetate	5.042	43	4439	0.927	ug/l #	56
20) Methylene Chloride	5.289	84	8293	3.433	ug/l #	81
25) 2-Butanone	7.500	43	15430	8.489	ug/l #	71
29) Tetrahydrofuran	7.853	42	633	0.526	ug/l #	20
31) Cyclohexane	8.236	56	5015	Below Cal	#	22
36) 1,1-Dichloropropene	8.230	75	16514	4.817	ug/l #	48
37) Ethyl Acetate	7.589	43	5250	1.369	ug/l #	71
38) Carbon Tetrachloride	8.230	117	19723	5.742	ug/l #	15
43) Isopropyl Acetate	8.694	43	195465	28.831	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	1863	0.691	ug/l #	45
48) Methyl methacrylate	9.677	41	4215	1.372	ug/l #	33
49) 1,4-Dioxane	9.759	88	179	3.421	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	65030	16.172	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	49017	11.485	ug/l #	69
56) Ethyl methacrylate	10.994	69	2153	0.557	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6312	1.415	ug/l #	42
59) 2-Hexanone	11.206	43	91024	31.253	ug/l #	47
71) Bromoform	12.853	173	802	0.407	ug/l #	1
74) N-amyl acetate	12.494	43	1825	0.411	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	74425	29.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74425	74.738	ug/l #	15
95) Naphthalene	15.653	128	249	2.623	ug/l #	70

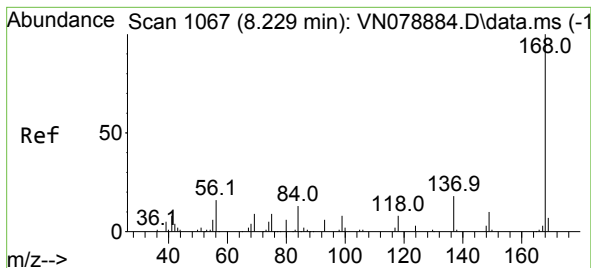
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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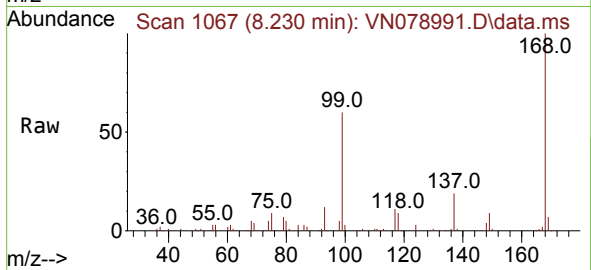
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QLast Update : Wed Aug 16 02:42:02 2023
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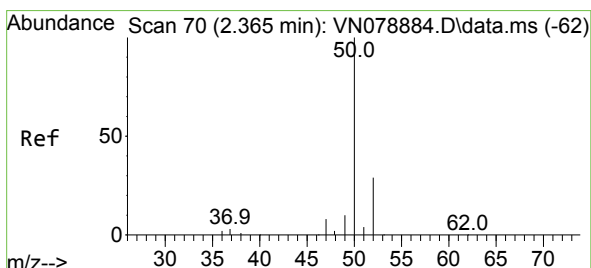
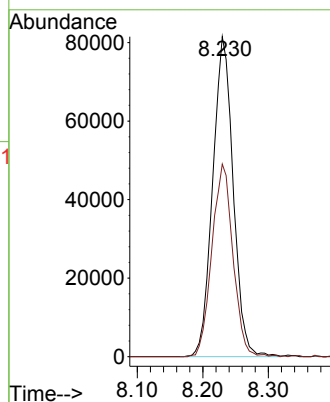
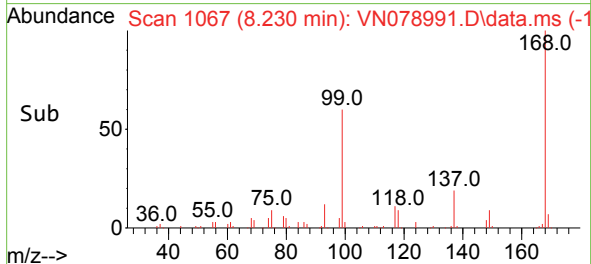


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

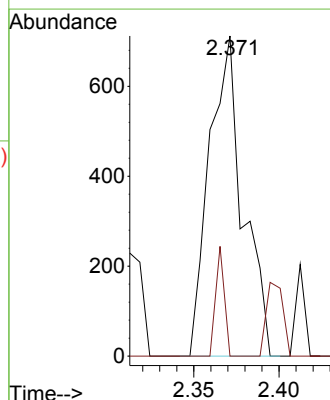
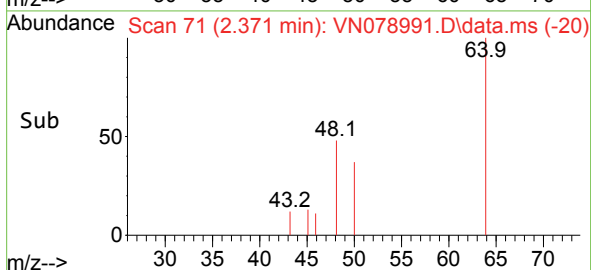
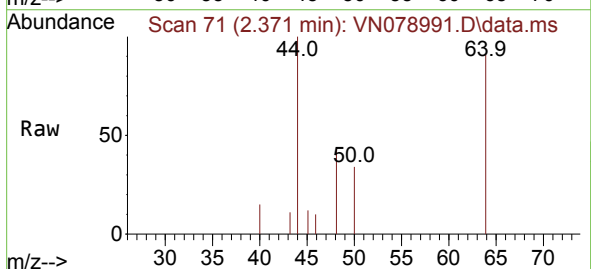


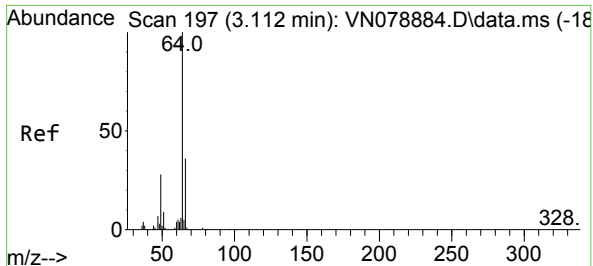
Tgt Ion:168 Resp: 176568
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#3
Chloromethane
Concen: 0.286 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 50 Resp: 977
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

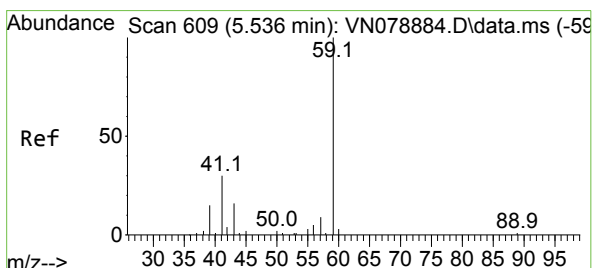
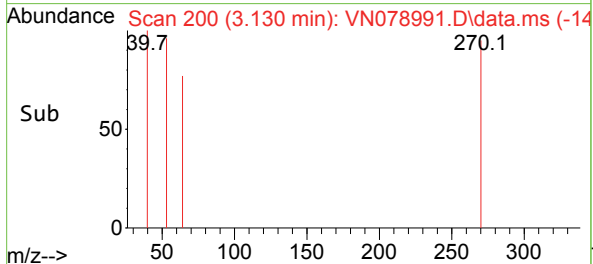
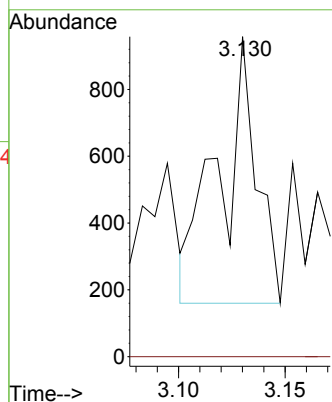
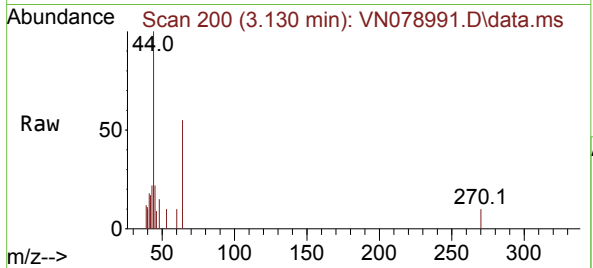




#6
Chloroethane
Concen: 0.463 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

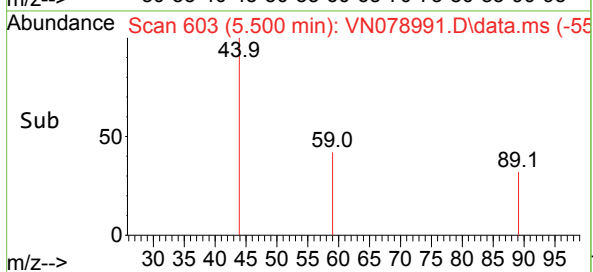
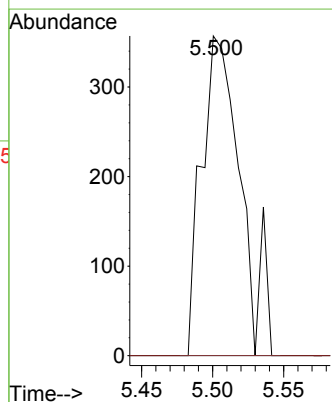
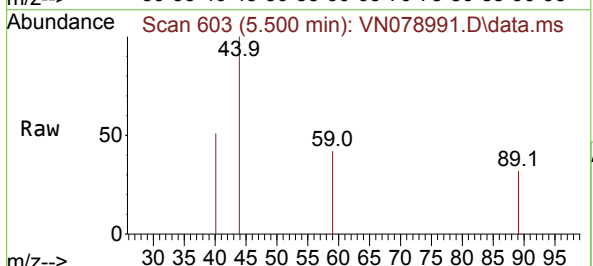
Instrument :
MSVOA_N
ClientSampleId :

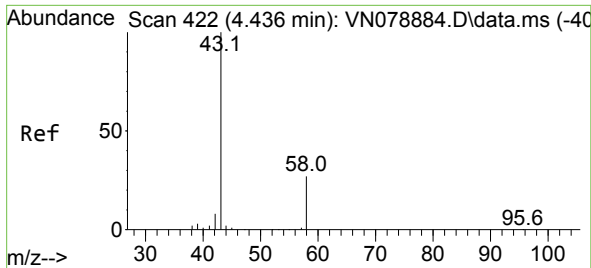
Tgt Ion: 64 Resp: 970
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.490 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.042 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 59 Resp: 687
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 25.228 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

Instrument :

MSVOA_N

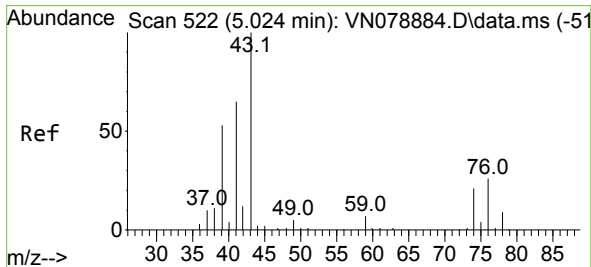
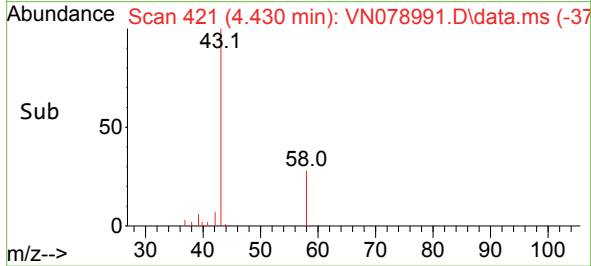
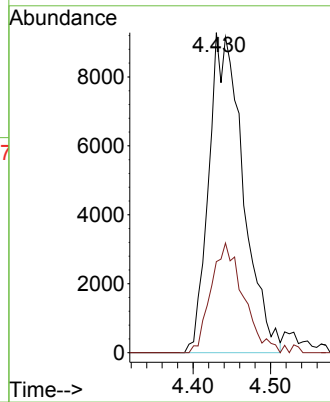
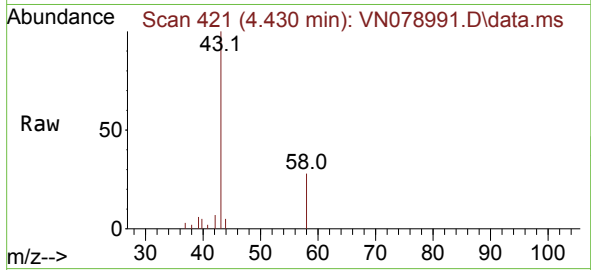
ClientSampleId :

Tgt Ion: 43 Resp: 28601

Ion Ratio Lower Upper

43 100

58 28.4 28.0 42.0



#18

Methyl Acetate

Concen: 0.927 ug/l

RT: 5.042 min Scan# 525

Delta R.T. -0.000 min

Lab File: VN078991.D

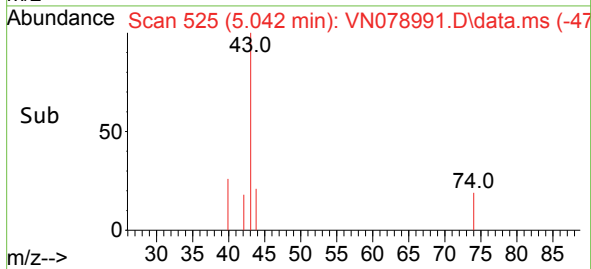
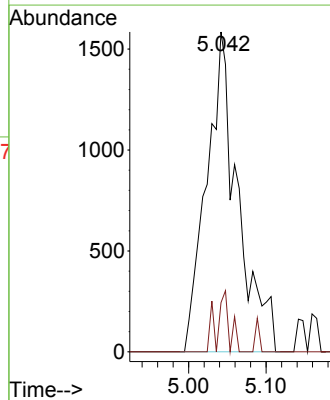
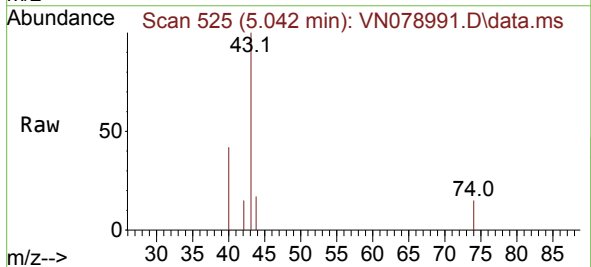
Acq: 22 Aug 2023 13:59

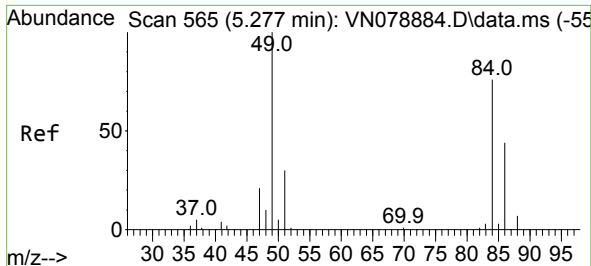
Tgt Ion: 43 Resp: 4439

Ion Ratio Lower Upper

43 100

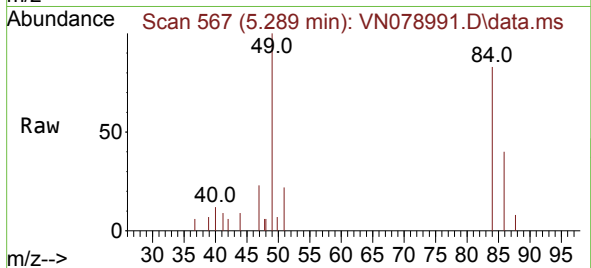
74 7.7 26.2 39.4#



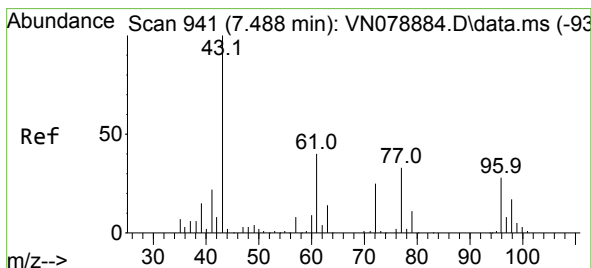
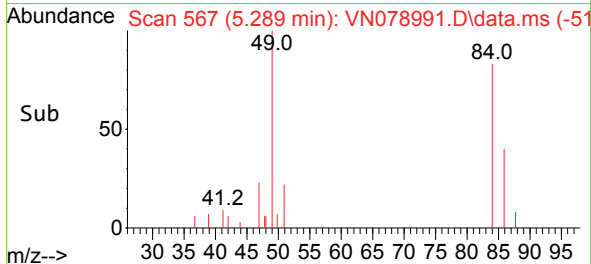
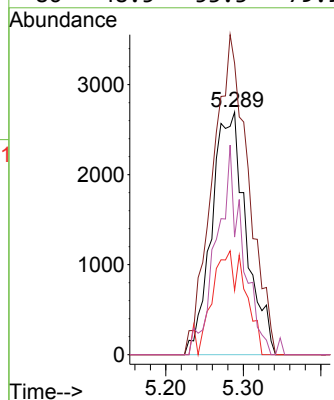


#20
Methylene Chloride
Concen: 3.433 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

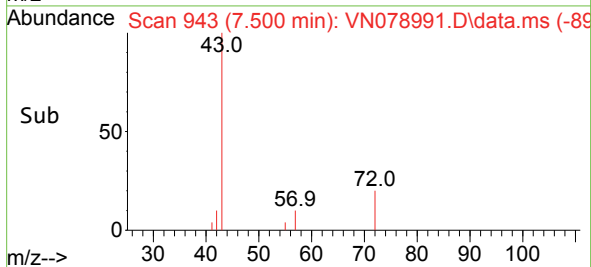
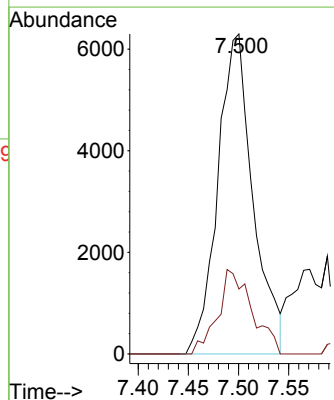
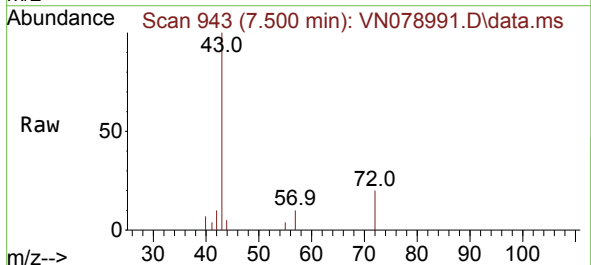


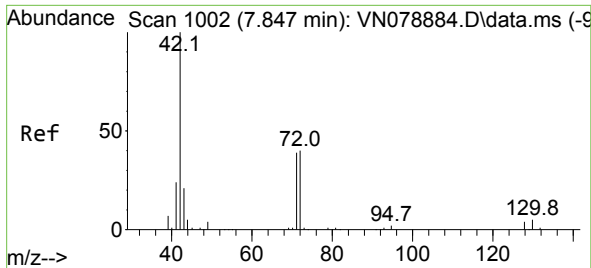
Tgt Ion: 84 Resp: 8293
Ion Ratio Lower Upper
84 100
49 120.2 79.7 119.5#
51 26.5 25.2 37.8
86 48.5 53.3 79.9#



#25
2-Butanone
Concen: 8.489 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 43 Resp: 15430
Ion Ratio Lower Upper
43 100
72 20.3 30.2 45.2#

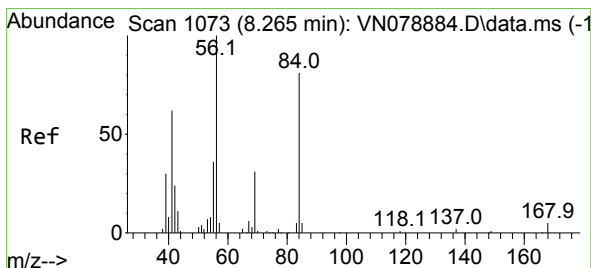
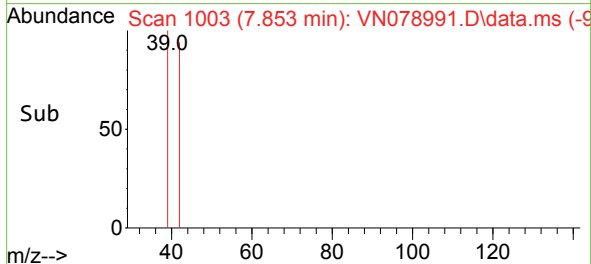
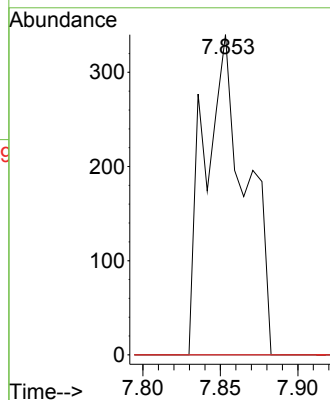
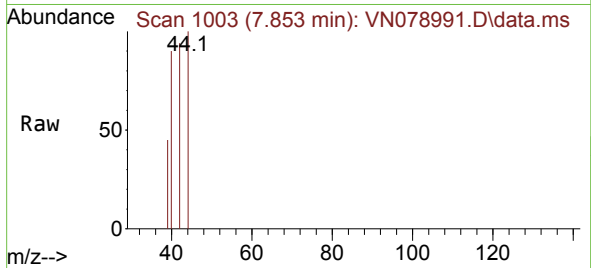




#29
Tetrahydrofuran
Concen: 0.526 ug/l
RT: 7.853 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

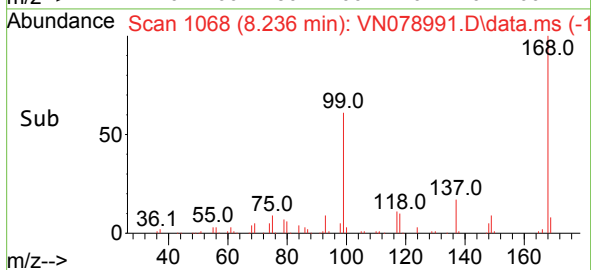
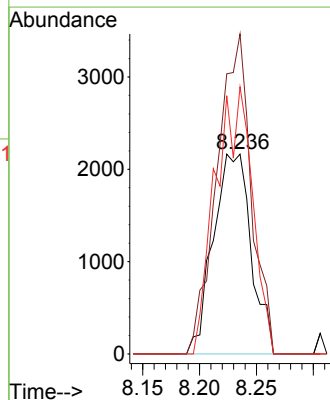
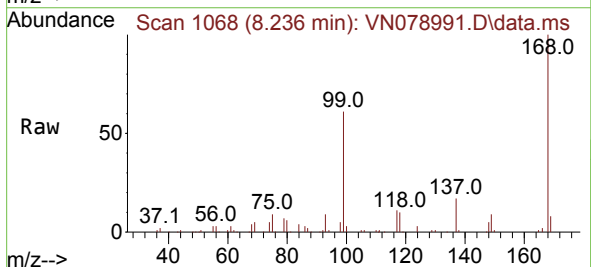
Instrument :
MSVOA_N
ClientSampleId :

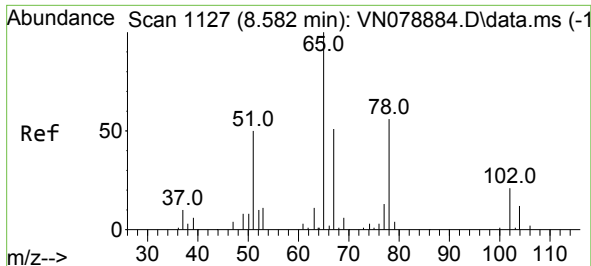
Tgt Ion: 42 Resp: 633
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 56 Resp: 5015
Ion Ratio Lower Upper
56 100
69 160.1 26.8 40.2#
84 133.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.993 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

Instrument :

MSVOA_N

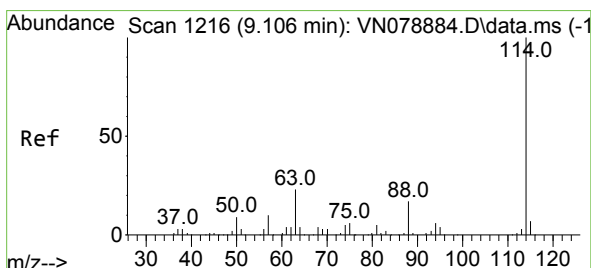
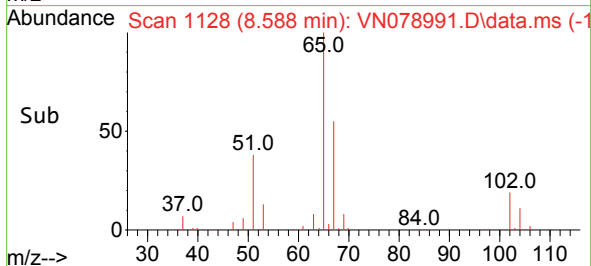
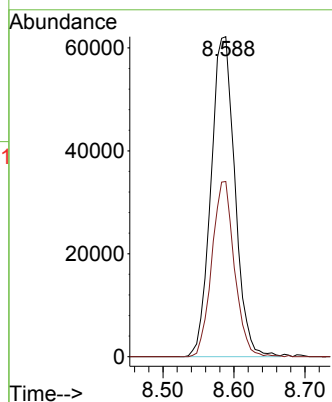
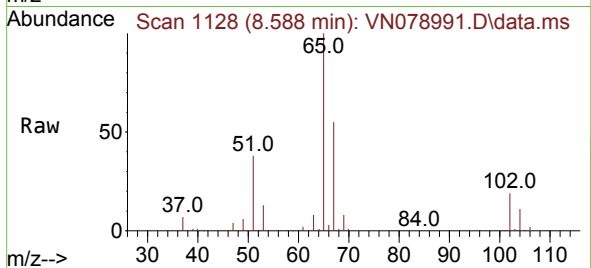
ClientSampleId :

Tgt Ion: 65 Resp: 145600

Ion Ratio Lower Upper

65 100

67 51.6 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: VN078991.D

Acq: 22 Aug 2023 13:59

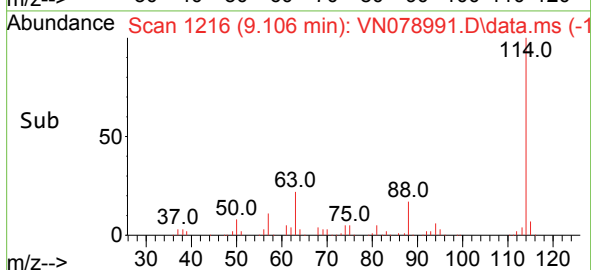
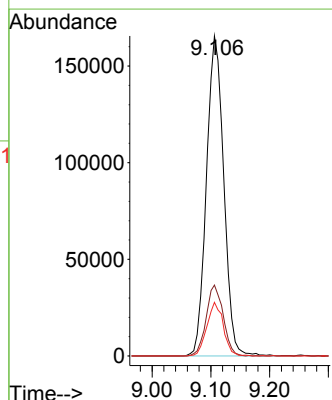
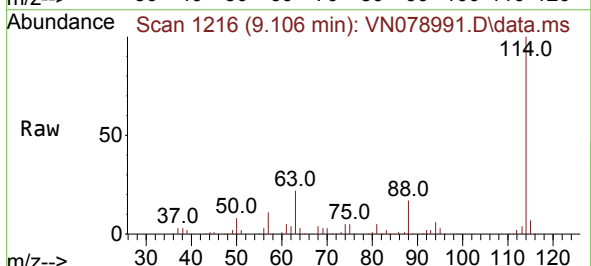
Tgt Ion: 114 Resp: 338571

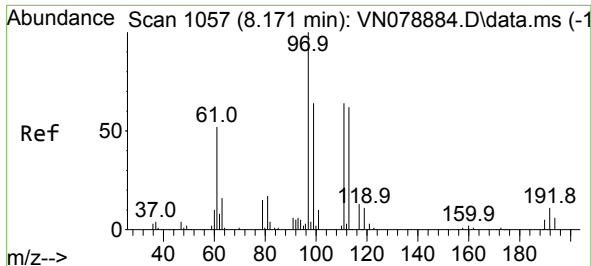
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.336 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

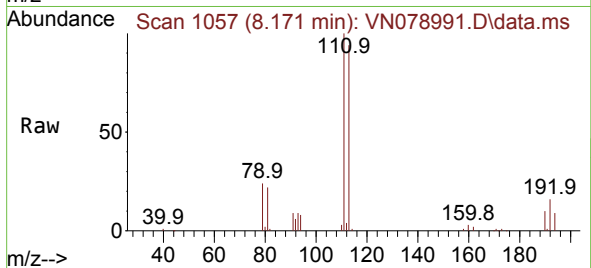
Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :



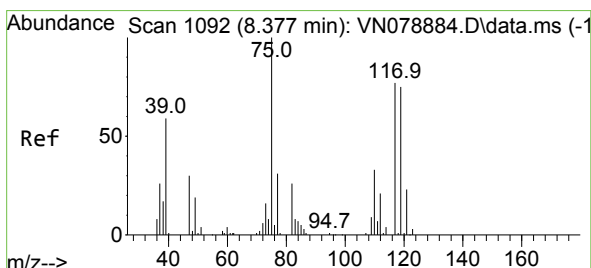
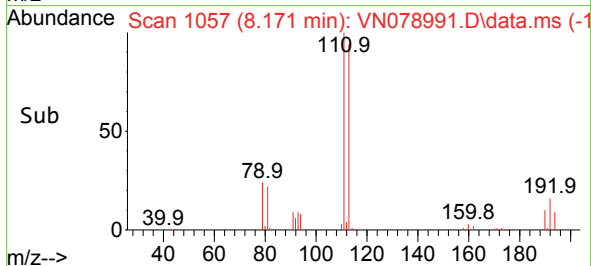
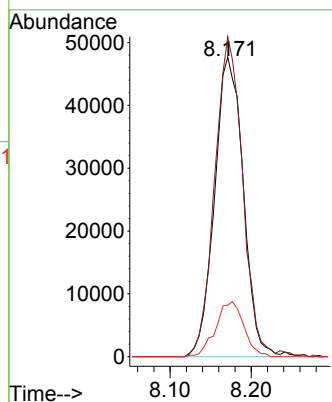
Tgt Ion:113 Resp: 117000

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 18.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

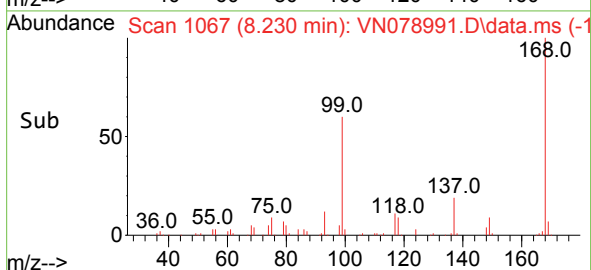
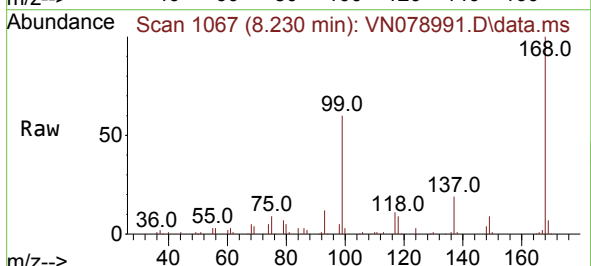
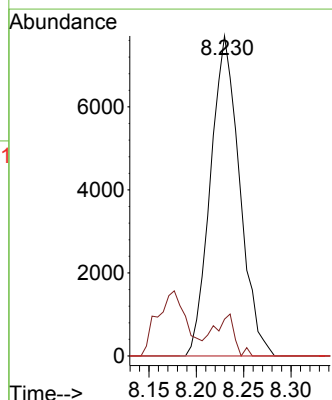
Tgt Ion: 75 Resp: 16514

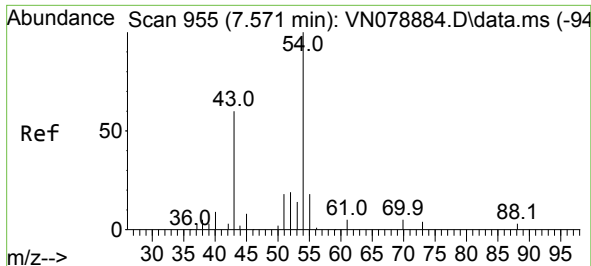
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.369 ug/l

RT: 7.589 min Scan# 91

Delta R.T. 0.018 min

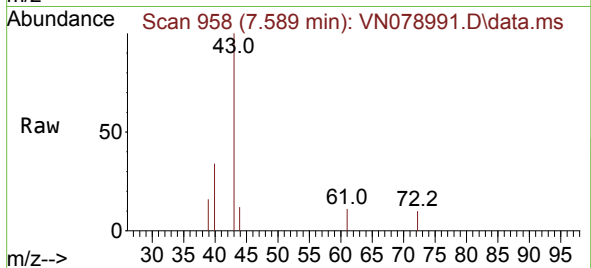
Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

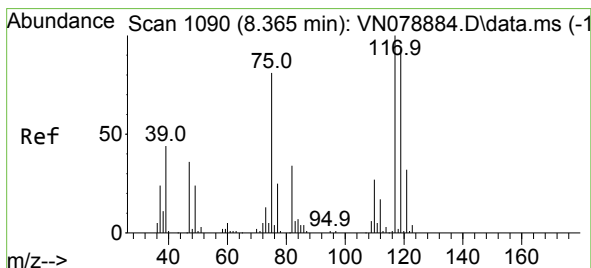
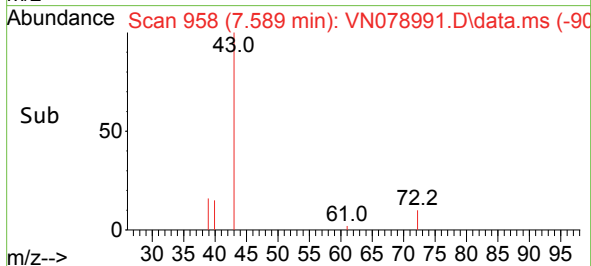
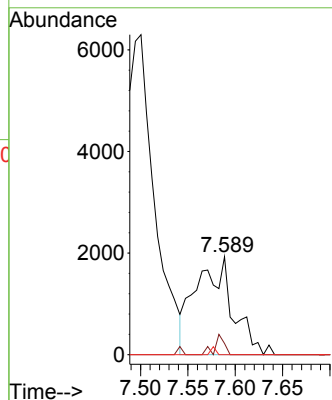
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 5250
Ion Ratio	Lower Upper
43	100
61	5.3 13.2 19.8#
70	1.1 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

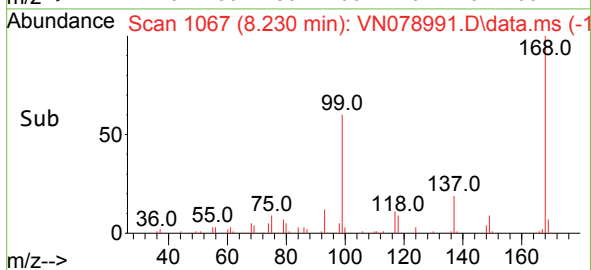
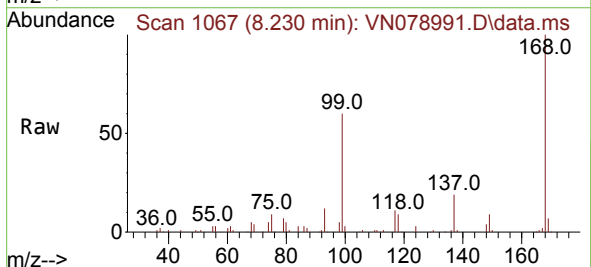
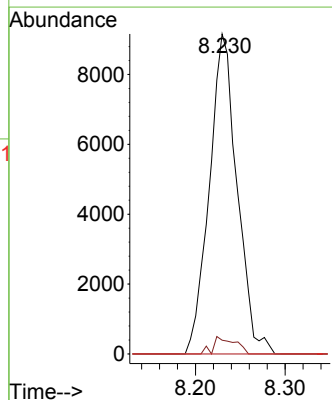
RT: 8.230 min Scan# 1067

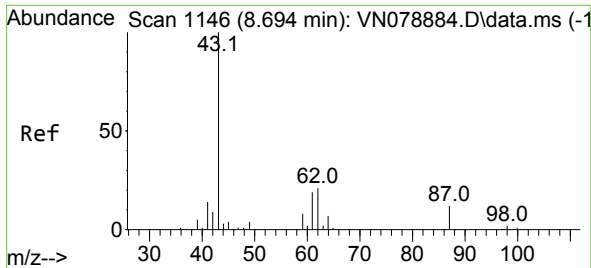
Delta R.T. -0.141 min

Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

Tgt Ion: 117	Resp: 19723
Ion Ratio	Lower Upper
117	100
119	4.3 77.3 115.9#
121	0.0 23.3 34.9#

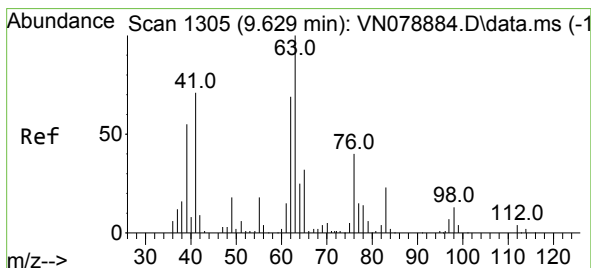
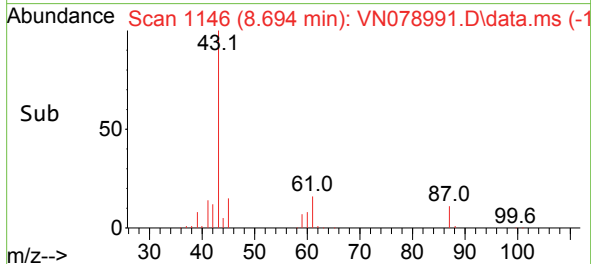
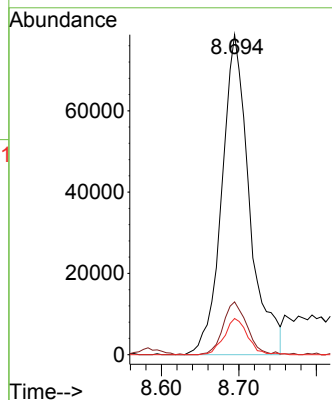
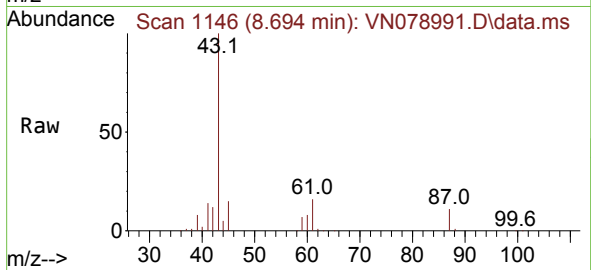




#43
Isopropyl Acetate
Concen: 28.831 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

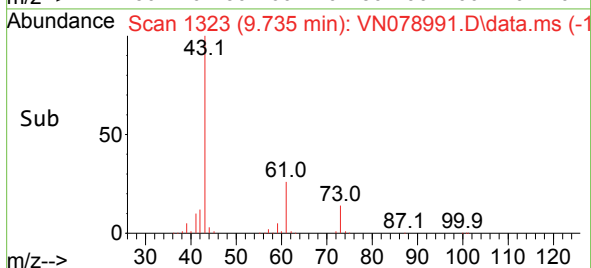
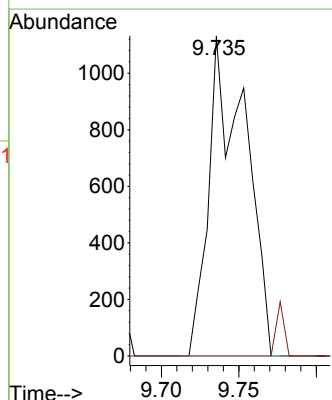
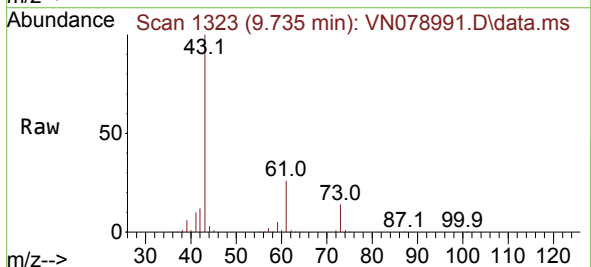
Instrument :
MSVOA_N
ClientSampleId :

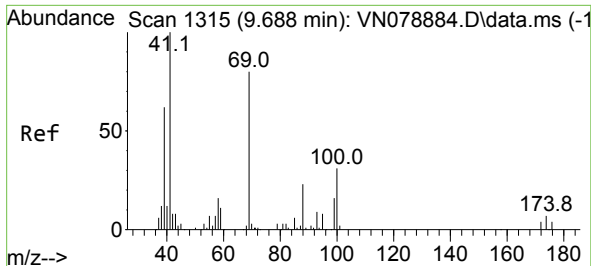
Tgt Ion: 43 Resp: 195465
Ion Ratio Lower Upper
43 100
61 14.4 24.7 37.1#
87 9.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.691 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.111 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

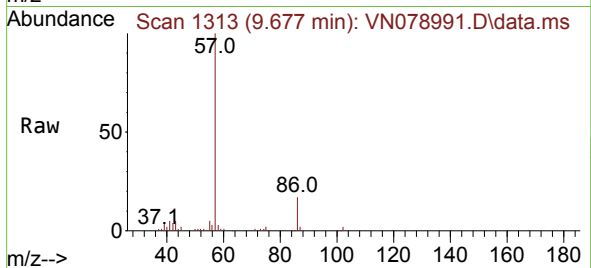
Tgt Ion: 63 Resp: 1863
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



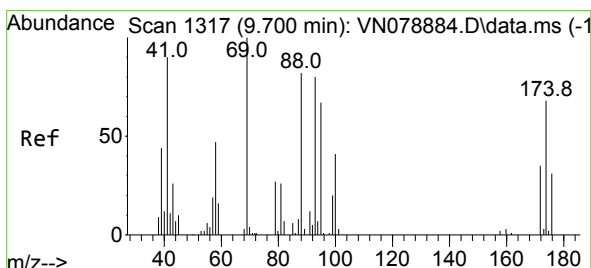
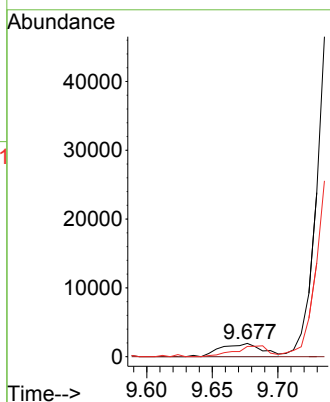
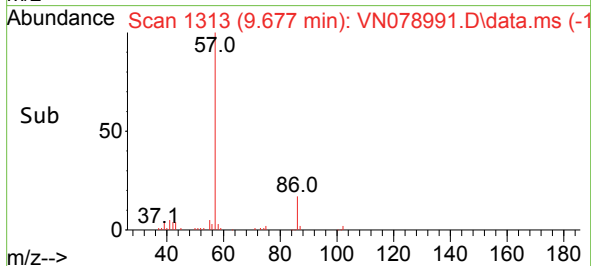


#48
Methyl methacrylate
Concen: 1.372 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

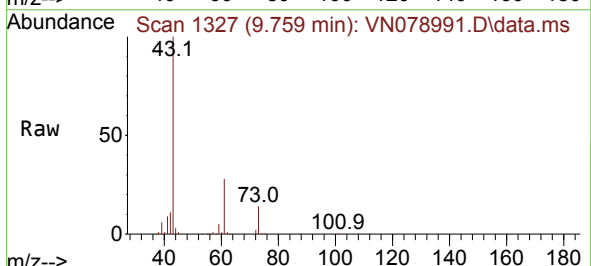
Instrument :
MSVOA_N
ClientSampleId :



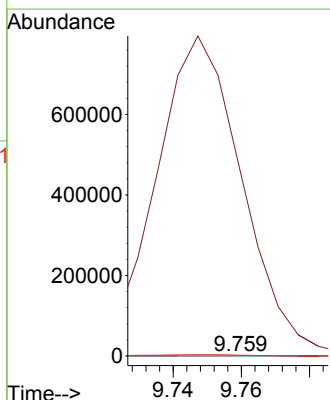
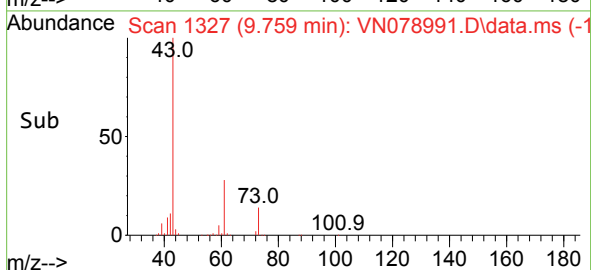
Tgt Ion: 41 Resp: 4215
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 66.4 54.6 81.8

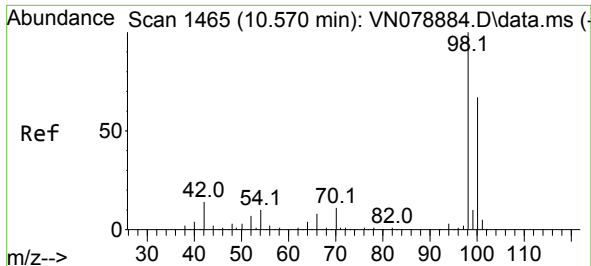


#49
1,4-Dioxane
Concen: 3.421 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59



Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 792696.1 17.0 25.6#
58 3650.8 47.0 70.4#

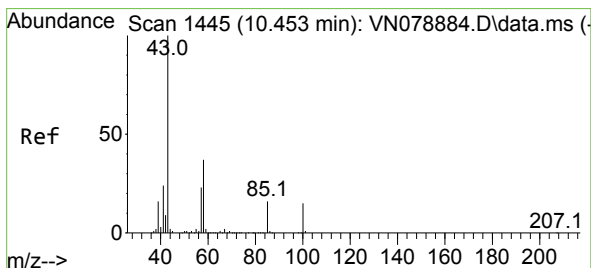
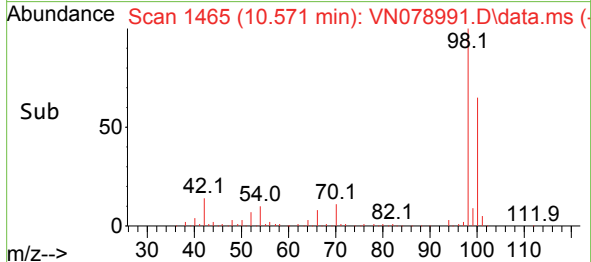
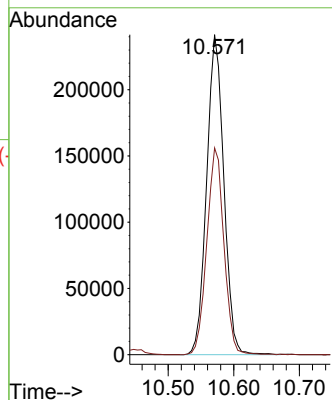
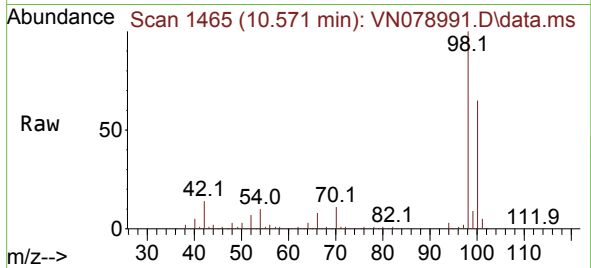




#50
Toluene-d8
Concen: 52.061 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

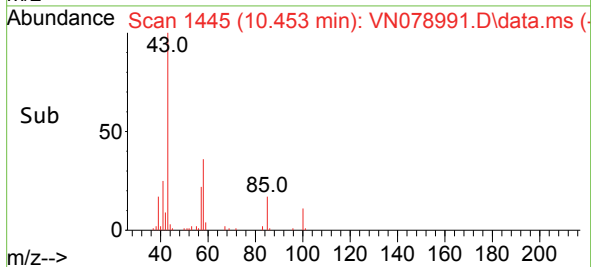
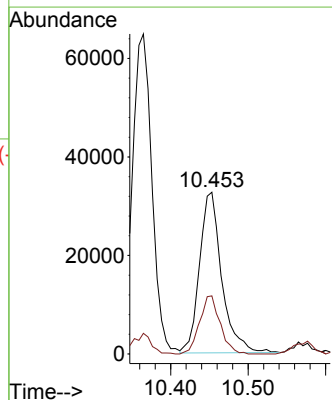
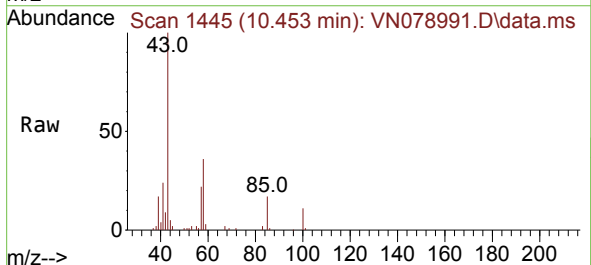
Instrument :
MSVOA_N
ClientSampleId :

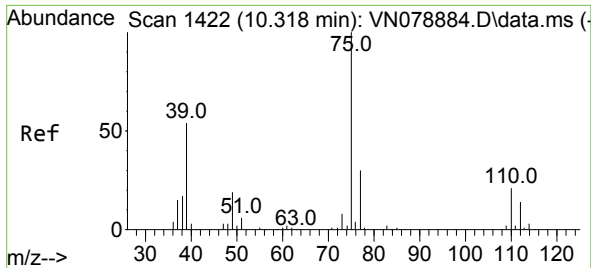
Tgt Ion: 98 Resp: 440563
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 16.172 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 43 Resp: 65030
Ion Ratio Lower Upper
43 100
58 33.4 36.6 54.8#

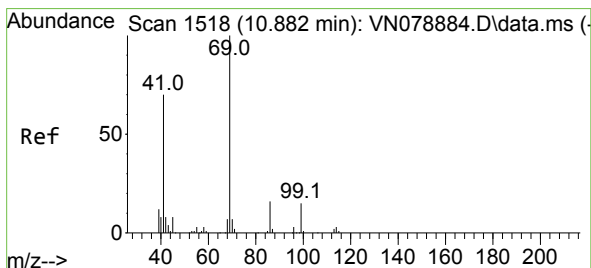
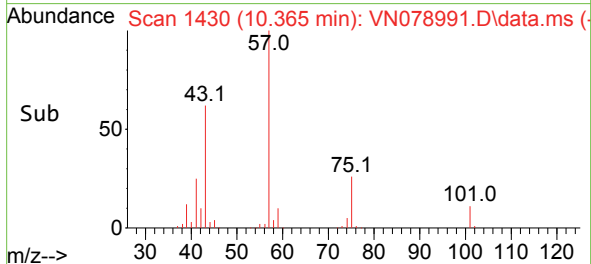
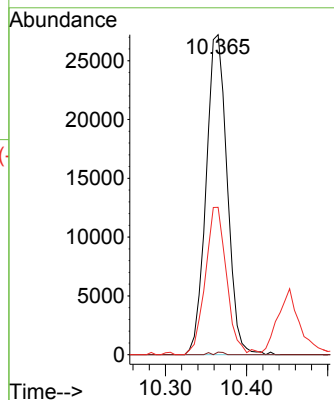
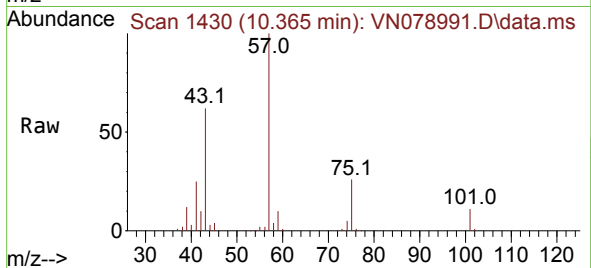




#54
 cis-1,3-Dichloropropene
 Concen: 11.485 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078991.D
 Acq: 22 Aug 2023 13:59

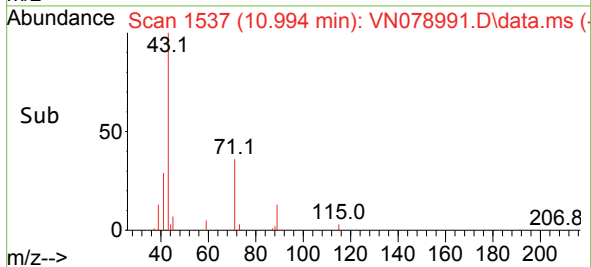
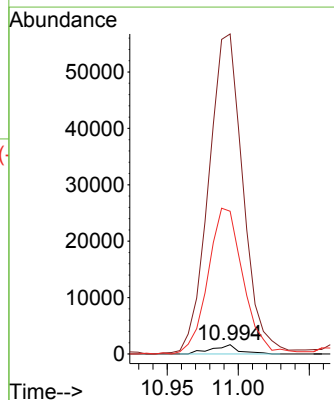
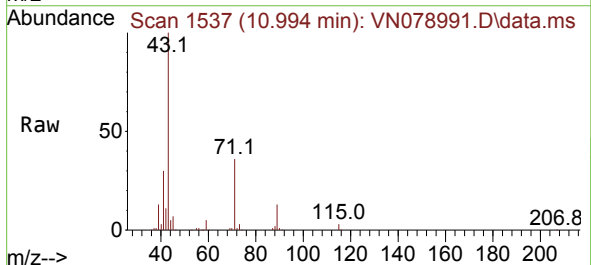
Instrument :
 MSVOA_N
 ClientSampleId :

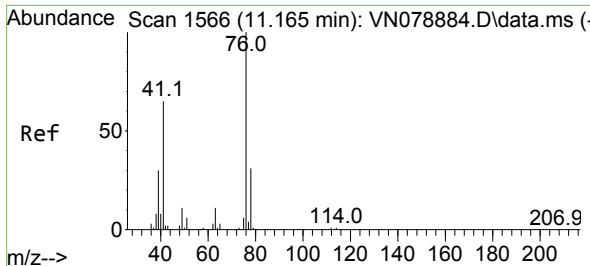
Tgt Ion: 75 Resp: 49017
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 46.0 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.557 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN078991.D
 Acq: 22 Aug 2023 13:59

Tgt Ion: 69 Resp: 2153
 Ion Ratio Lower Upper
 69 100
 41 4443.8 39.6 59.4#
 39 2072.9 28.6 43.0#

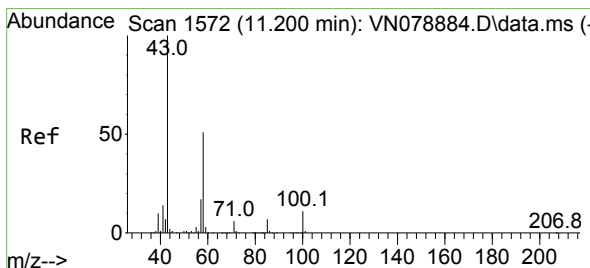
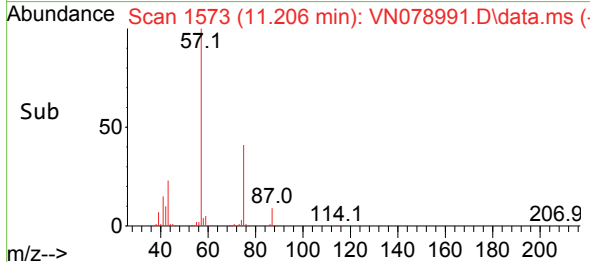
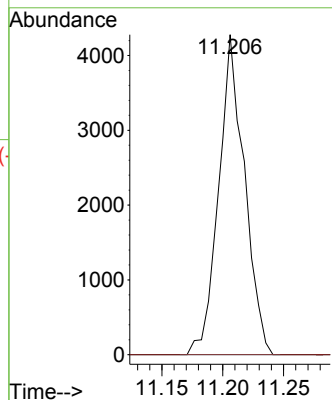
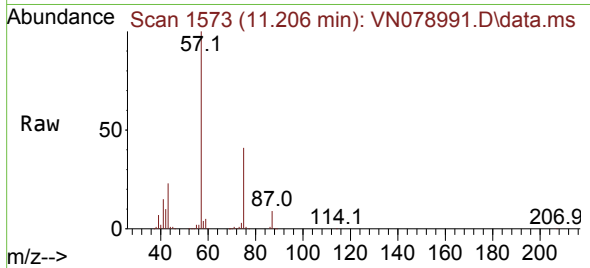




#57
1,3-Dichloropropane
Concen: 1.415 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

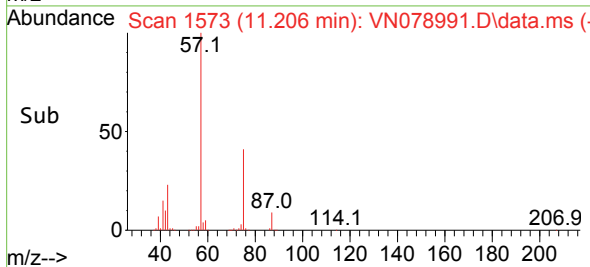
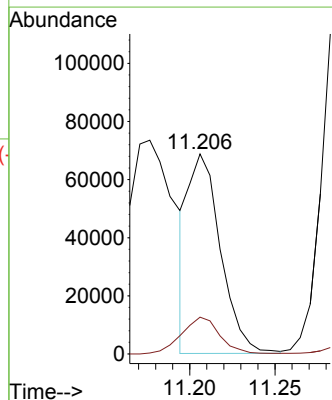
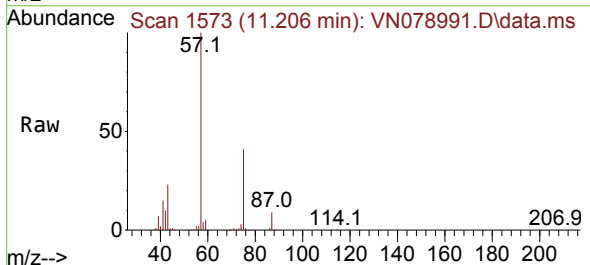
Instrument :
MSVOA_N
ClientSampleId :

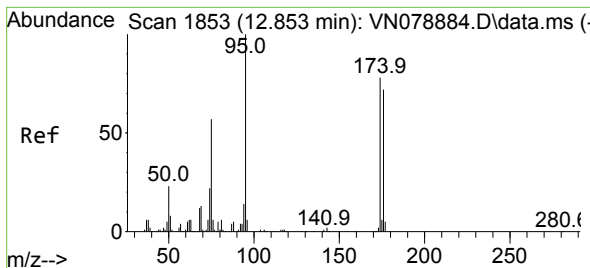
Tgt Ion: 76 Resp: 6312
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 31.253 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion: 43 Resp: 91024
Ion Ratio Lower Upper
43 100
58 21.9 31.7 95.1#

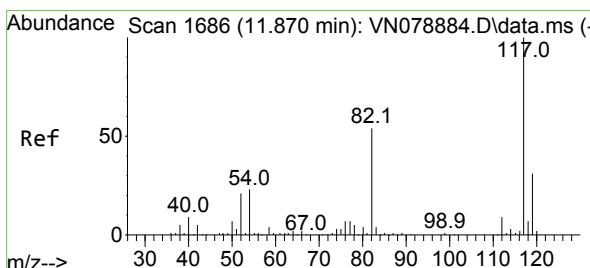
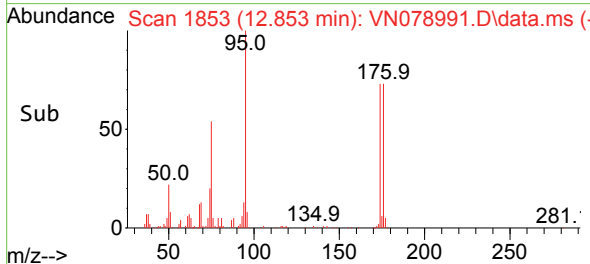
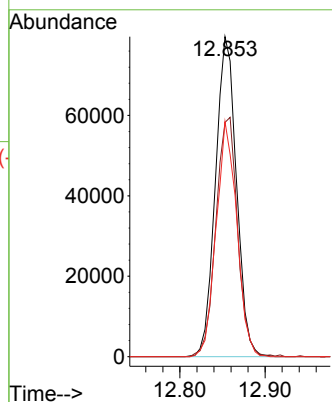
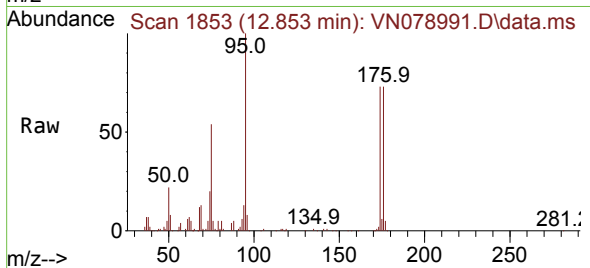




#62
4-Bromofluorobenzene
Concen: 49.261 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

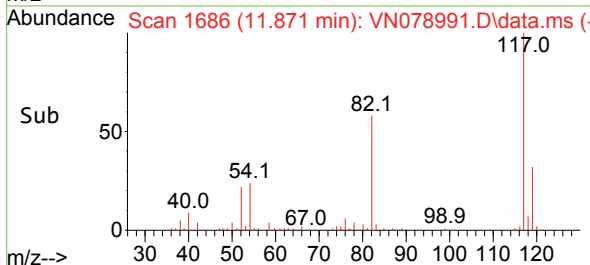
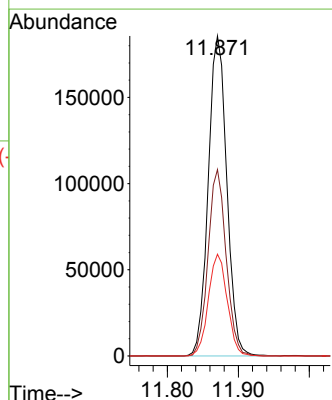
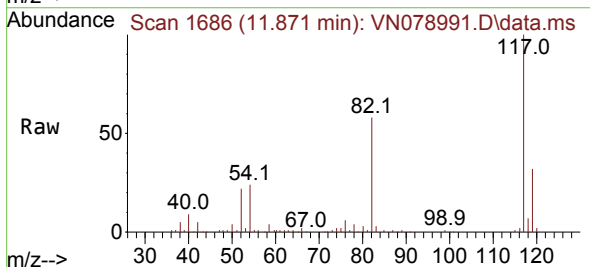
Instrument :
MSVOA_N
ClientSampleId :

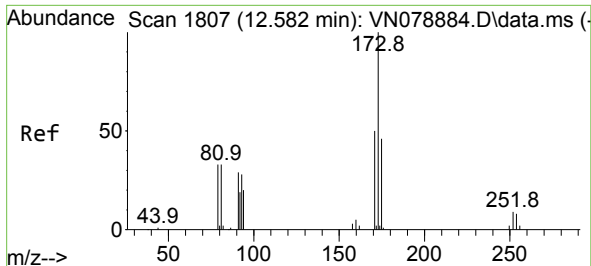
Tgt Ion: 95 Resp: 136257
Ion Ratio Lower Upper
95 100
174 77.4 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

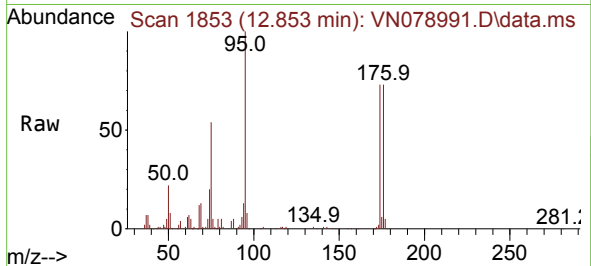
Tgt Ion: 117 Resp: 337304
Ion Ratio Lower Upper
117 100
82 58.2 44.0 66.0
119 31.8 25.6 38.4



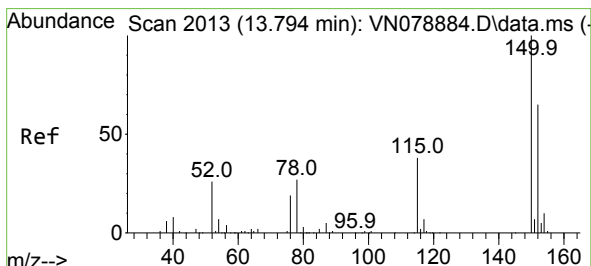
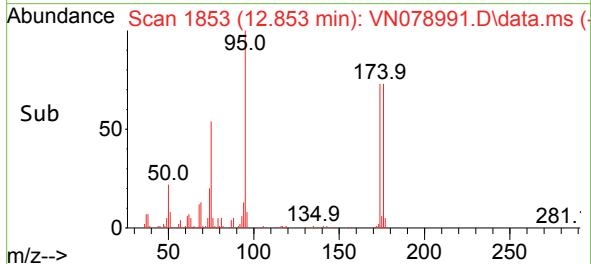
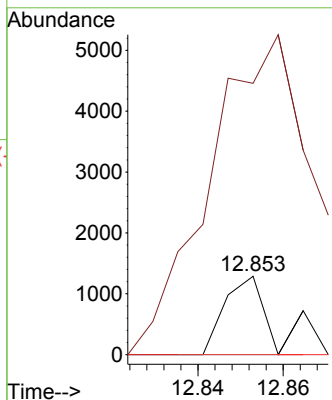


#71
Bromoform
Concen: 0.407 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

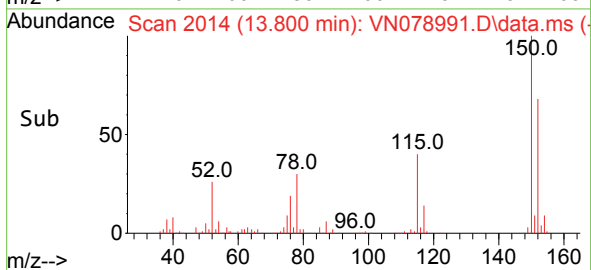
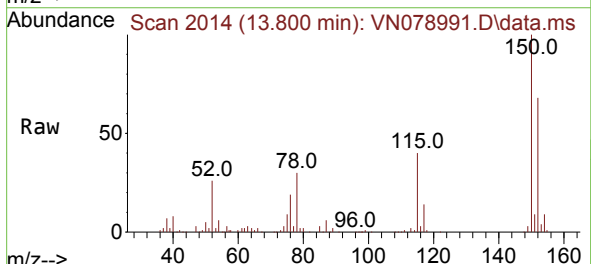
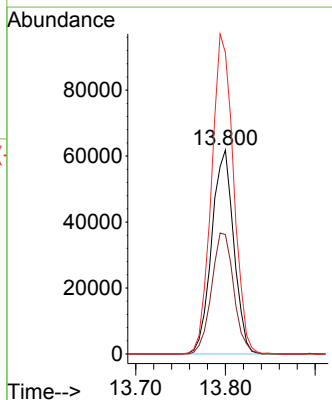


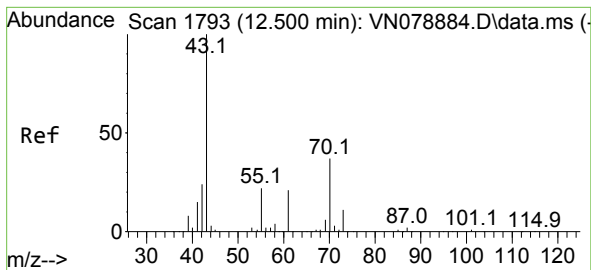
Tgt Ion:173 Resp: 802
Ion Ratio Lower Upper
173 100
175 588.8 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

Tgt Ion:152 Resp: 105576
Ion Ratio Lower Upper
152 100
115 59.8 32.3 96.8
150 156.5 0.0 355.8





#74

N-amy1 acetate

Concen: 0.411 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

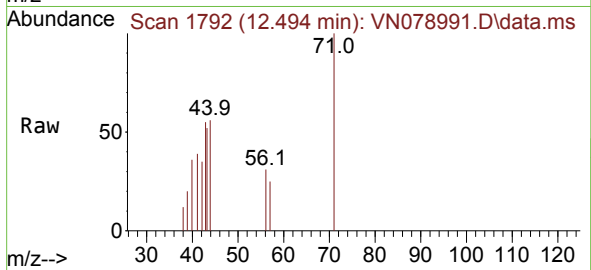
Lab File: VN078991.D

Acq: 22 Aug 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1825

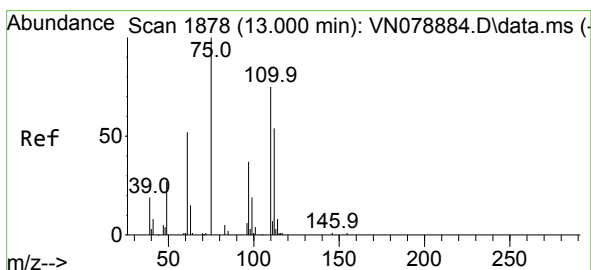
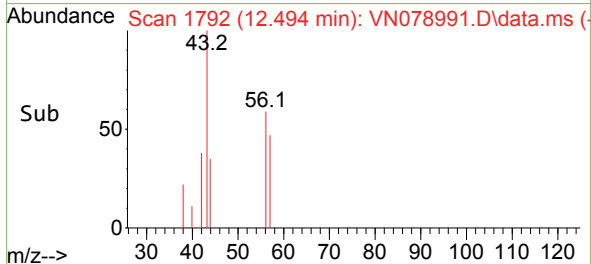
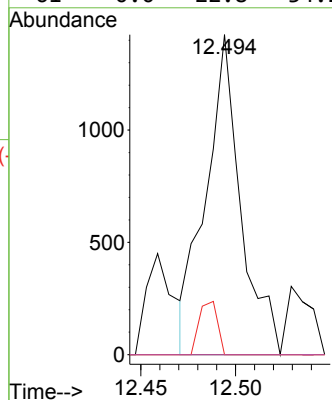
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 8.8 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.257 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078991.D

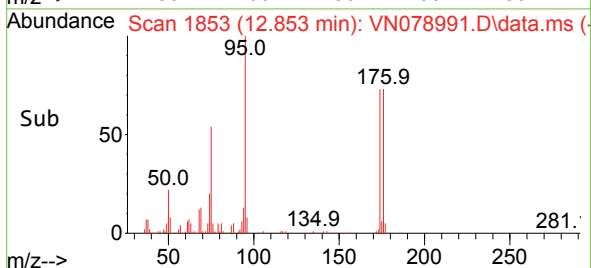
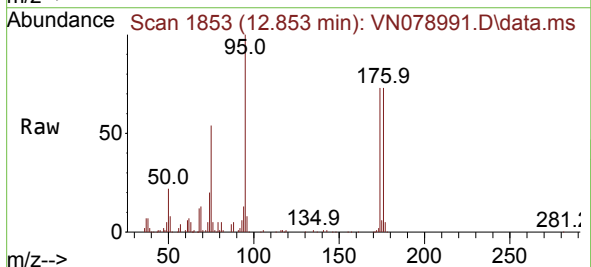
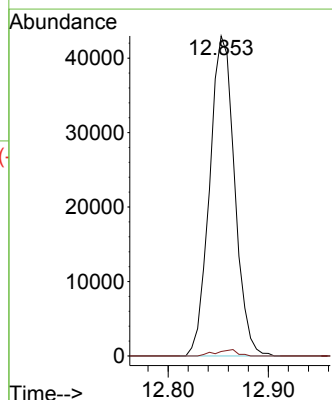
Acq: 22 Aug 2023 13:59

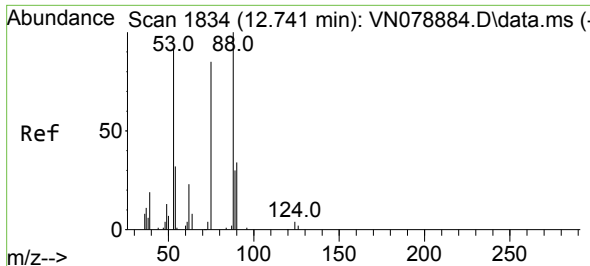
Tgt Ion: 75 Resp: 74425

Ion Ratio Lower Upper

75 100

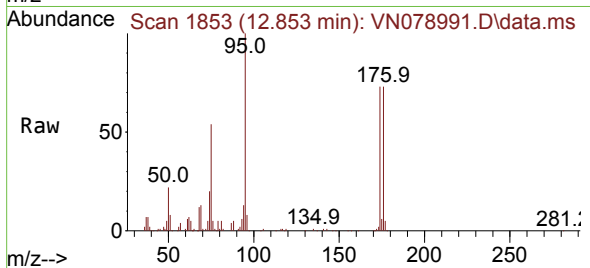
77 1.7 84.5 253.5#



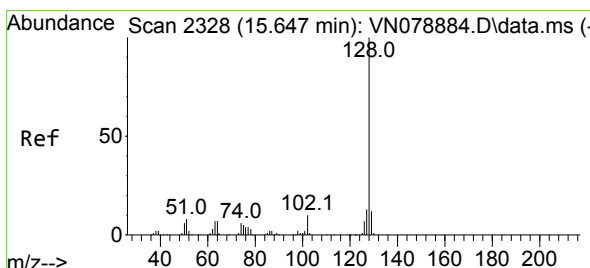
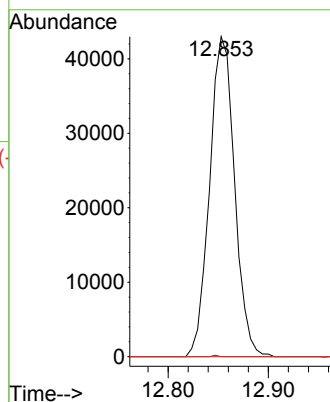
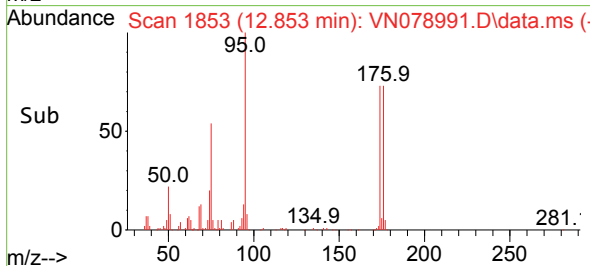


#81
trans-1,4-Dichloro-2-butene
Concen: 74.738 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59

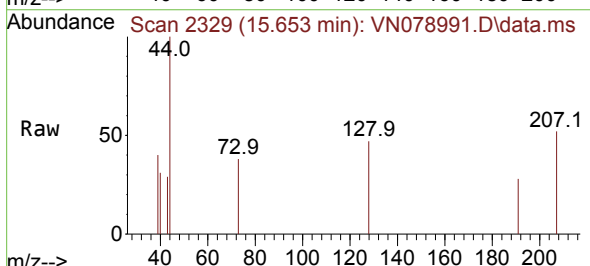
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 74425
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.623 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078991.D
Acq: 22 Aug 2023 13:59



Tgt Ion: 128 Resp: 249
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

