

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080123.D
 Acq On : 15 Nov 2023 20:15
 Operator : JC\MD
 Sample : 05432-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:59:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

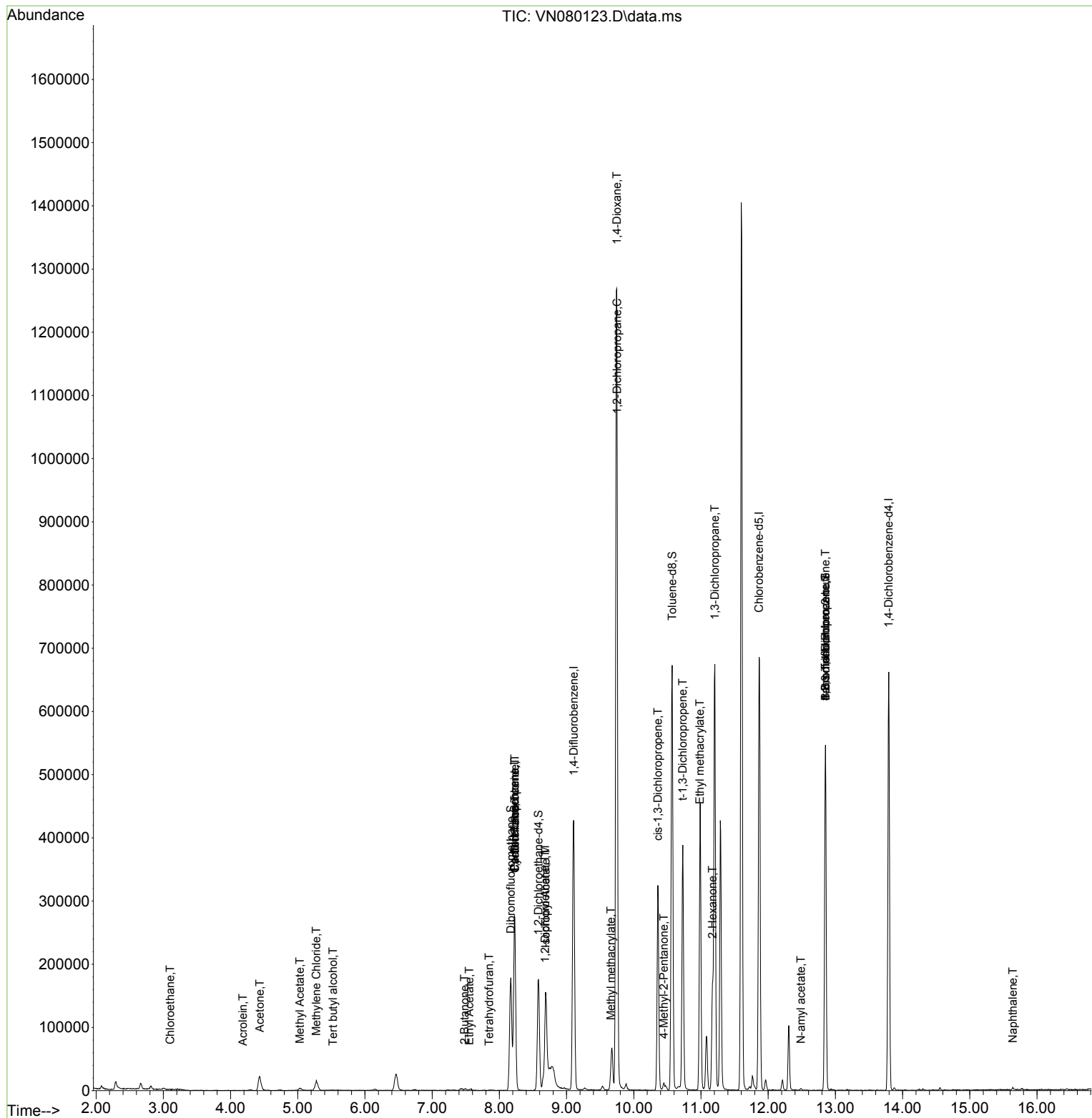
Internal Standards						
1) Pentafluorobenzene	8.224	168	188076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	361476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	390049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	161177	56.249	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.500%			
35) Dibromofluoromethane	8.171	113	124949	48.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.680%			
50) Toluene-d8	10.571	98	462452	49.101	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.853	95	186726	59.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.560%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	405	Below Cal	#	42
6) Chloroethane	3.101	64	541	0.231	ug/l #	43
11) Tert butyl alcohol	5.524	59	277	0.757	ug/l #	72
13) Acrolein	4.183	56	146	2.997	ug/l #	16
16) Acetone	4.436	43	42205	41.932	ug/l	91
18) Methyl Acetate	5.030	43	5967	1.239	ug/l	98
20) Methylene Chloride	5.277	84	10887	4.287	ug/l	97
25) 2-Butanone	7.483	43	4551	3.088	ug/l	90
29) Tetrahydrofuran	7.847	42	681	0.710	ug/l #	43
31) Cyclohexane	8.230	56	4381	1.157	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	15411	4.219	ug/l #	49
37) Ethyl Acetate	7.553	43	1742	0.520	ug/l #	80
38) Carbon Tetrachloride	8.230	117	21723	5.901	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1098	0.287	ug/l #	73
43) Isopropyl Acetate	8.688	43	204737	34.848	ug/l #	76
45) 1,2-Dichloropropane	9.753	63	2042	0.730	ug/l #	45
48) Methyl methacrylate	9.659	41	3977	1.545	ug/l #	29
49) 1,4-Dioxane	9.747	88	61	1.341	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6827	2.064	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	1076	0.270	ug/l #	57
54) cis-1,3-Dichloropropene	10.359	75	59265	13.622	ug/l #	65
56) Ethyl methacrylate	10.982	69	1968	0.529	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7524	1.636	ug/l #	42
59) 2-Hexanone	11.171	43	121030	47.831	ug/l #	19
71) Bromoform	12.853	173	634	0.293	ug/l #	1
74) N-amyl acetate	12.488	43	1467	0.257	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	108014	26.716	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108014	72.689	ug/l #	15
95) Naphthalene	15.641	128	3438	0.379	ug/l #	82

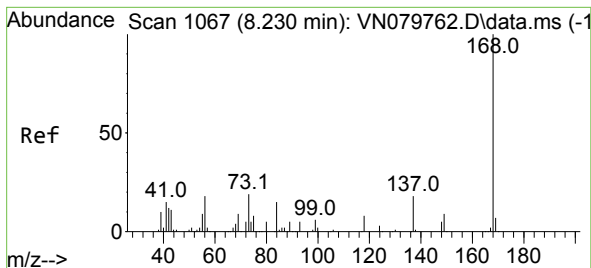
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
Data File : VN080123.D
Acq On : 15 Nov 2023 20:15
Operator : JC\MD
Sample : 05432-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 15 21:59:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.005 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Instrument :

MSVOA_N

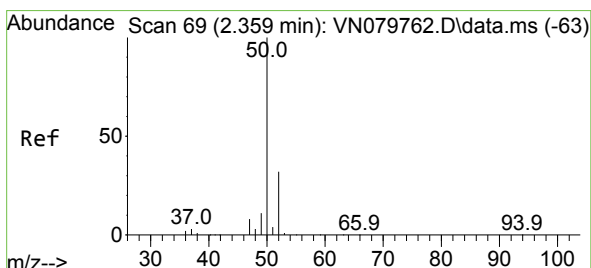
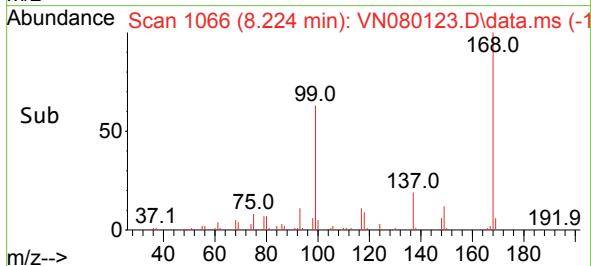
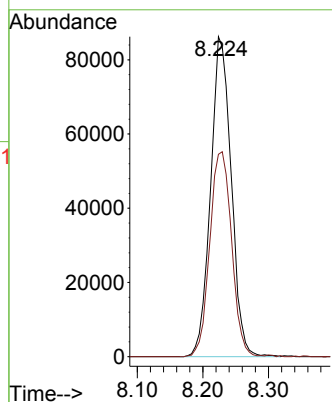
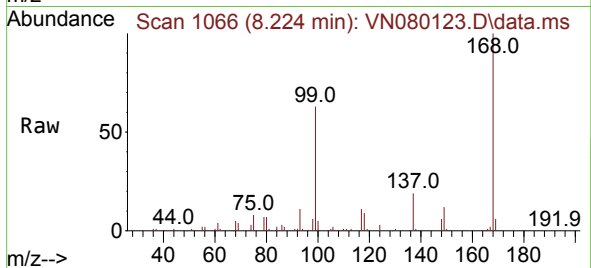
ClientSampleId :

Tgt Ion:168 Resp: 188076

Ion Ratio Lower Upper

168 100

99 63.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080123.D

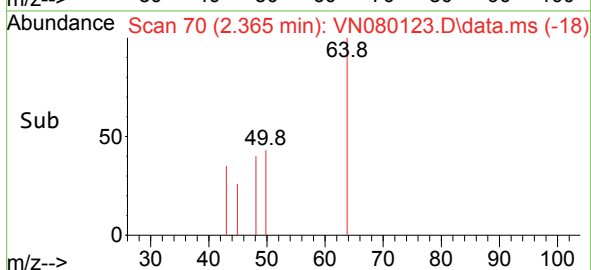
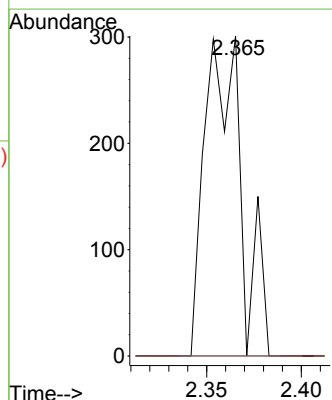
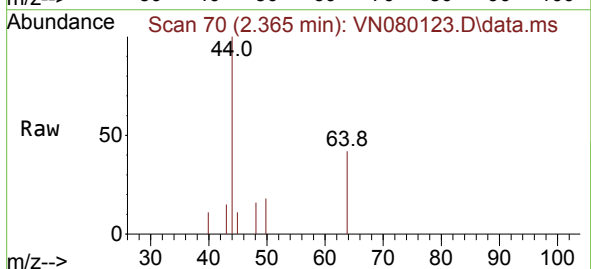
Acq: 15 Nov 2023 20:15

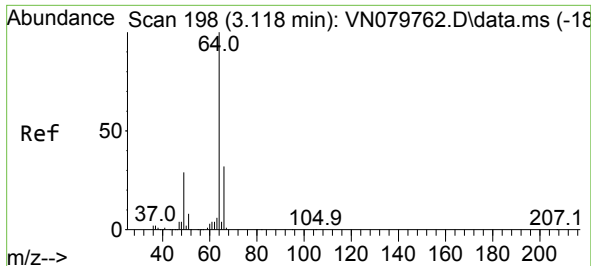
Tgt Ion: 50 Resp: 405

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

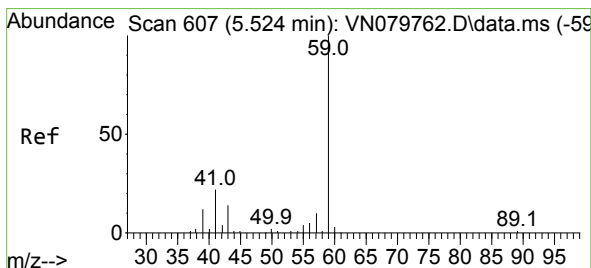
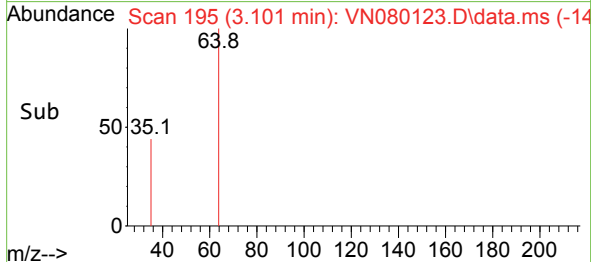
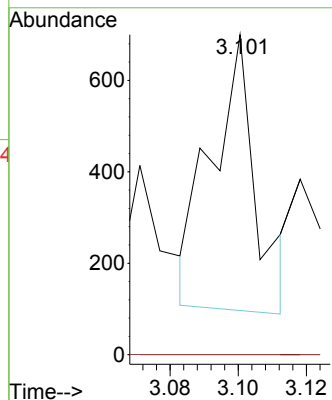
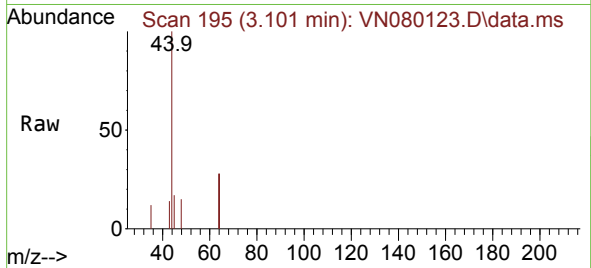




#6
Chloroethane
Concen: 0.231 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

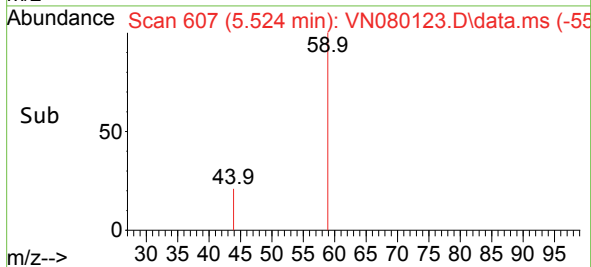
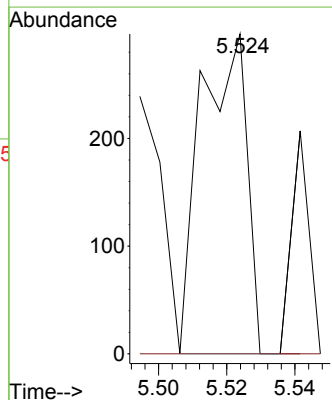
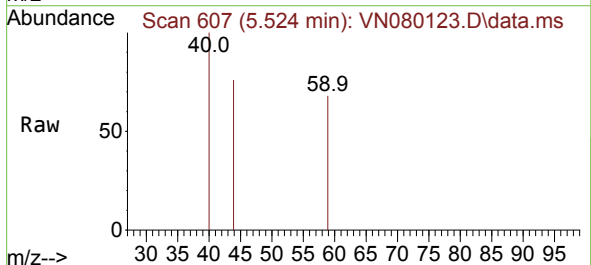
Instrument :
MSVOA_N
ClientSampleId :

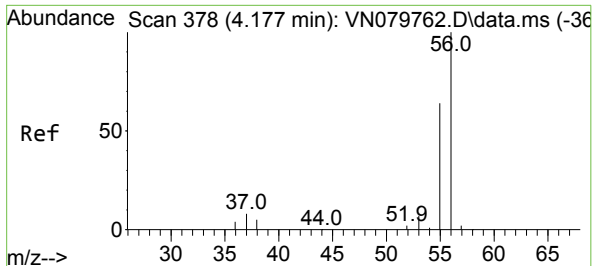
Tgt Ion: 64 Resp: 541
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.757 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

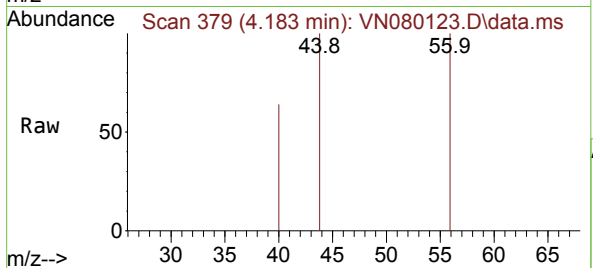
Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



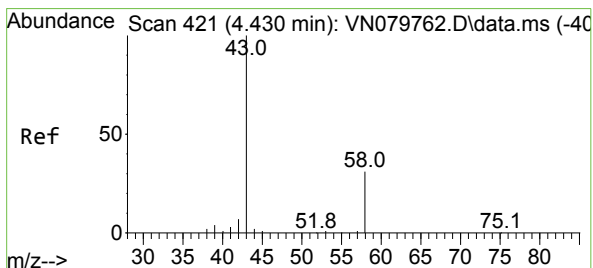
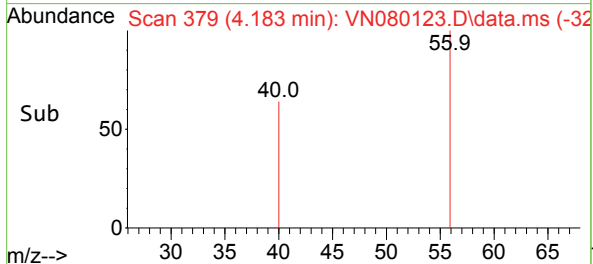
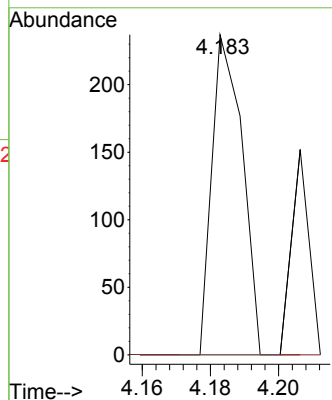


#13
Acrolein
Concen: 2.997 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

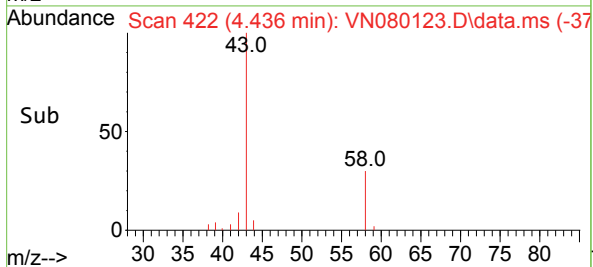
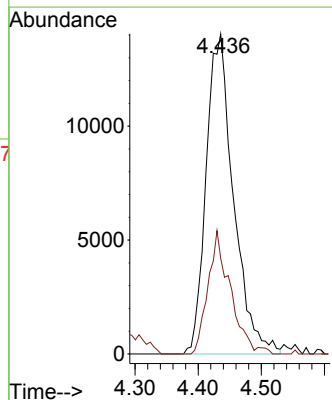
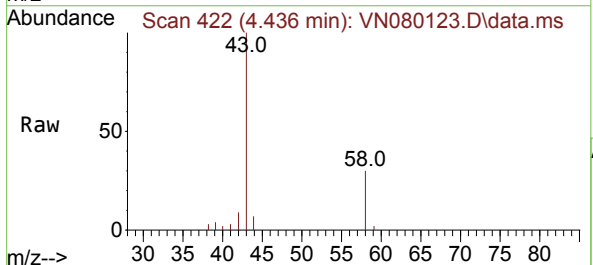


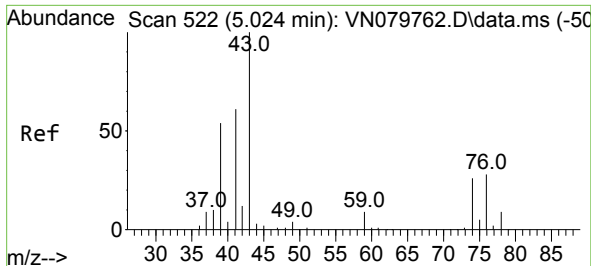
Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 41.932 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

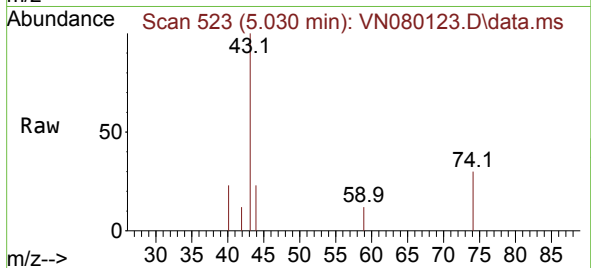
Tgt Ion: 43 Resp: 42205
Ion Ratio Lower Upper
43 100
58 29.9 28.0 42.0



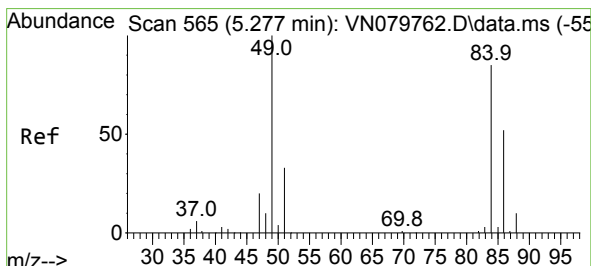
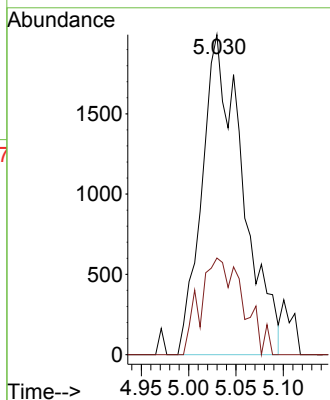
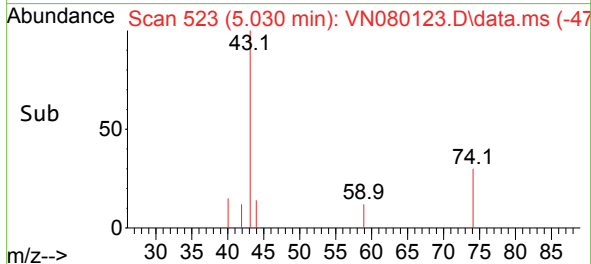


#18
Methyl Acetate
Concen: 1.239 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

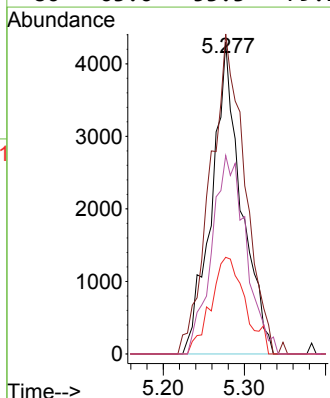
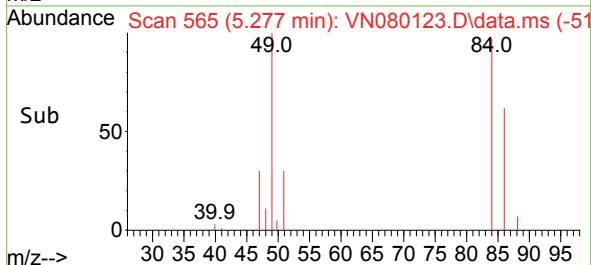
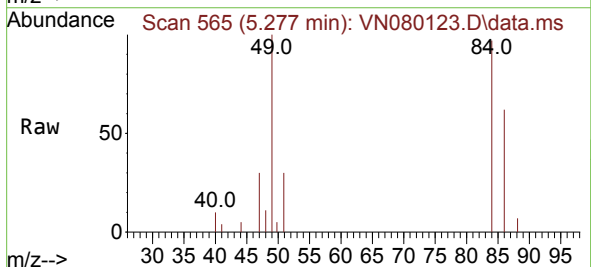


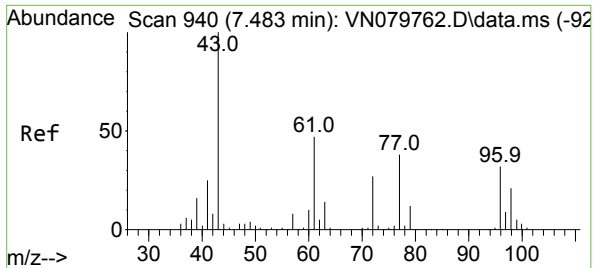
Tgt Ion: 43 Resp: 5967
Ion Ratio Lower Upper
43 100
74 31.6 26.2 39.4



#20
Methylene Chloride
Concen: 4.287 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 84 Resp: 10887
Ion Ratio Lower Upper
84 100
49 102.6 79.7 119.5
51 31.0 25.2 37.8
86 63.6 53.3 79.9

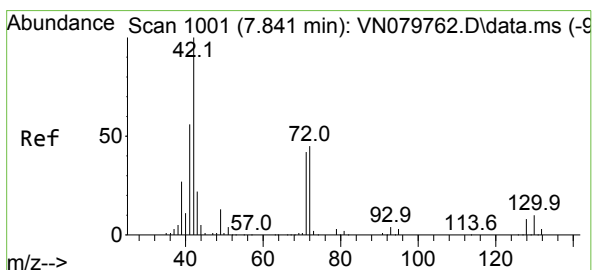
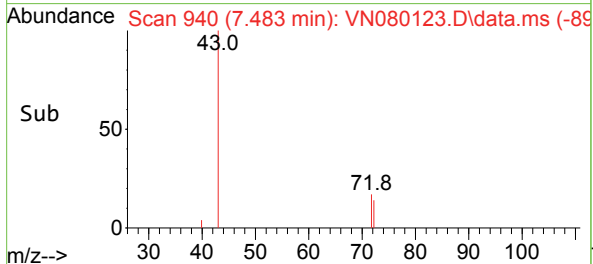
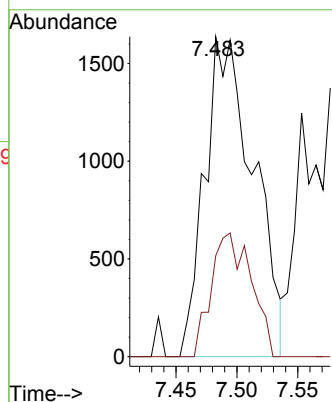
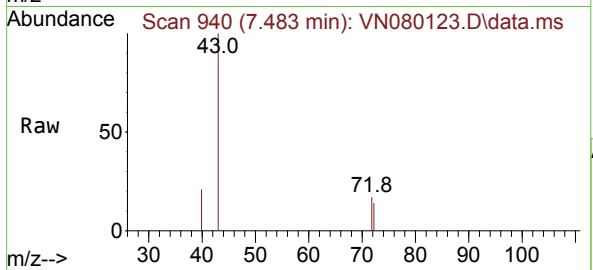




#25
2-Butanone
Concen: 3.088 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

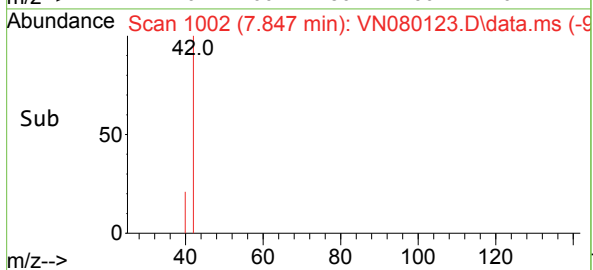
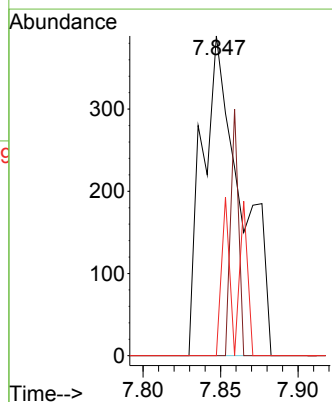
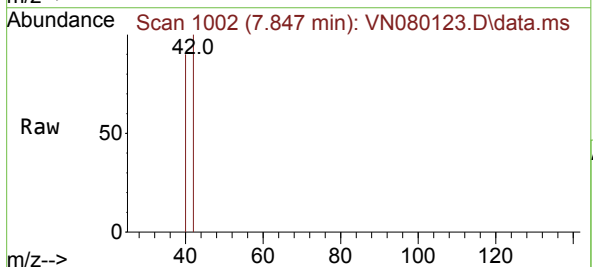
Instrument :
MSVOA_N
ClientSampleId :

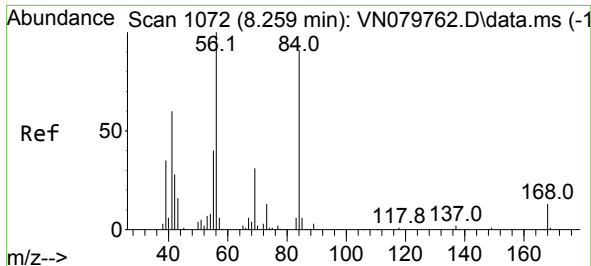
Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
72 31.5 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.710 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

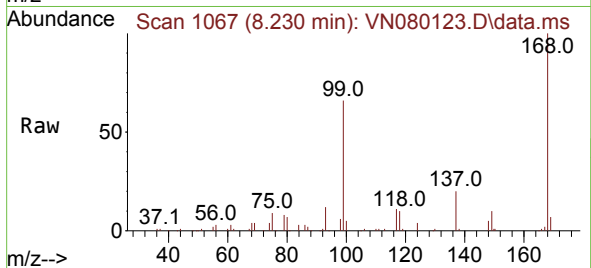
Tgt Ion: 42 Resp: 681
Ion Ratio Lower Upper
42 100
72 15.6 49.8 74.6#
71 19.7 47.4 71.2#



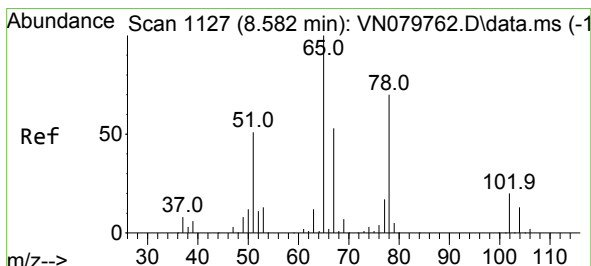
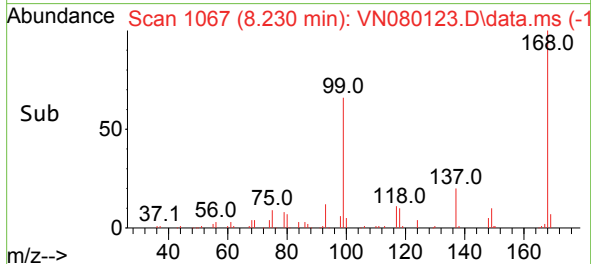
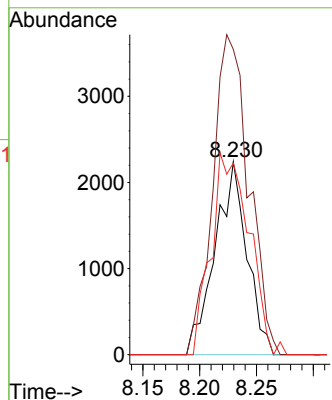


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

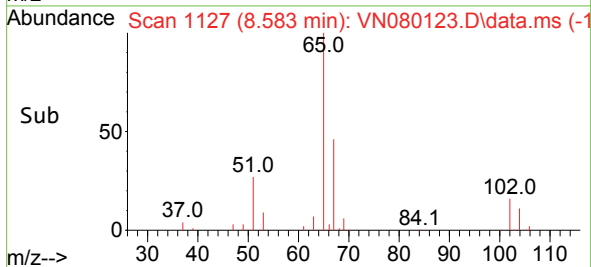
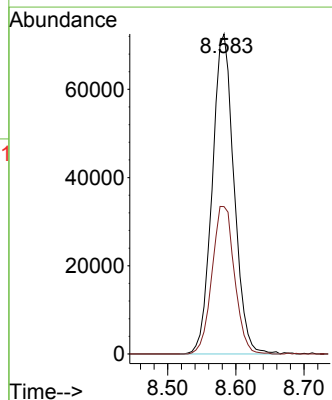
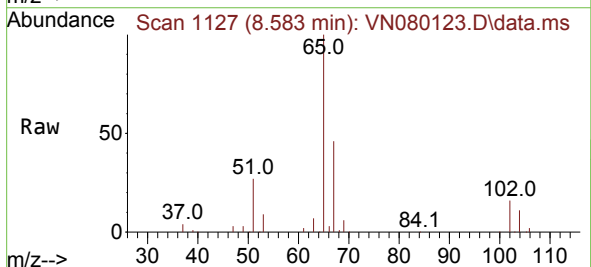


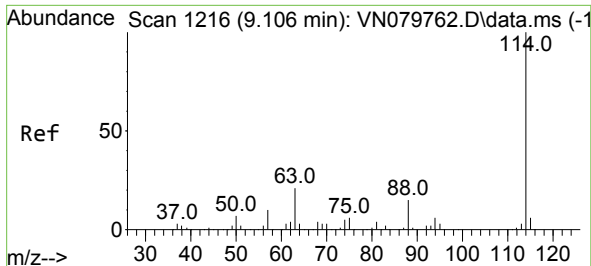
Tgt Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 158.2 26.8 40.2#
84 99.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 56.249 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 65 Resp: 161177
Ion Ratio Lower Upper
65 100
67 47.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

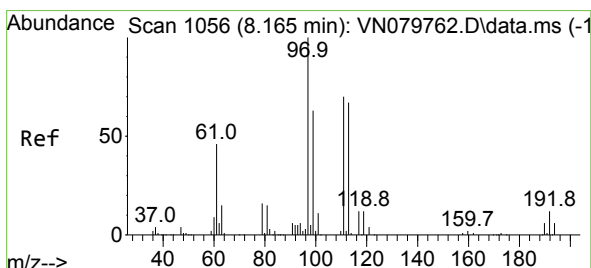
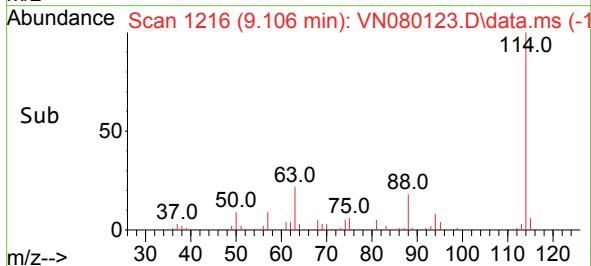
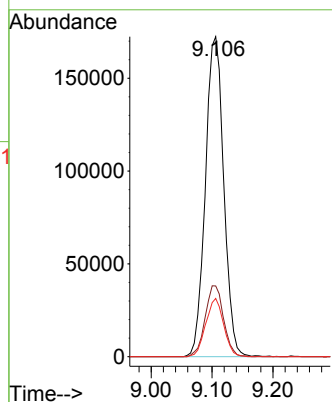
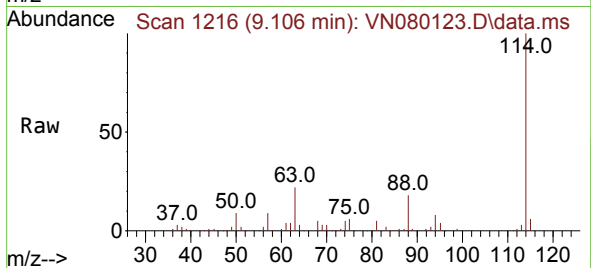
Tgt Ion:114 Resp: 361476

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 18.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.839 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

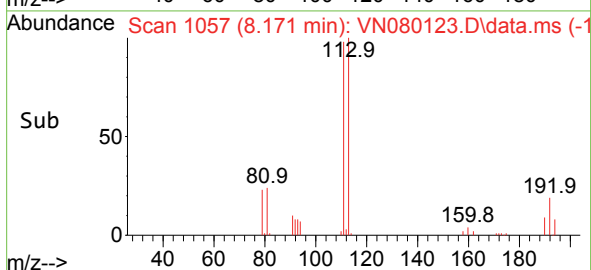
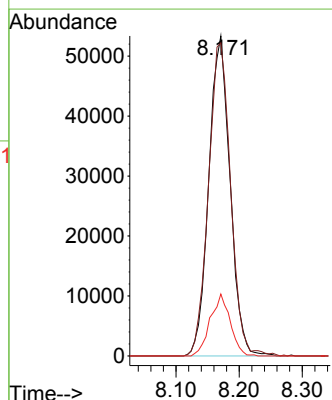
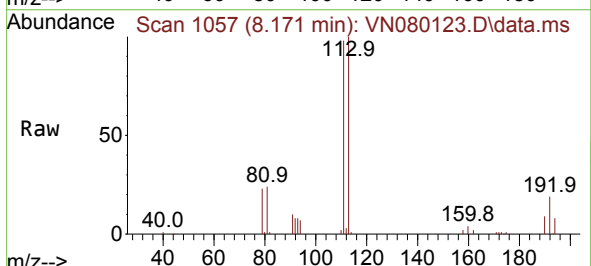
Tgt Ion:113 Resp: 124949

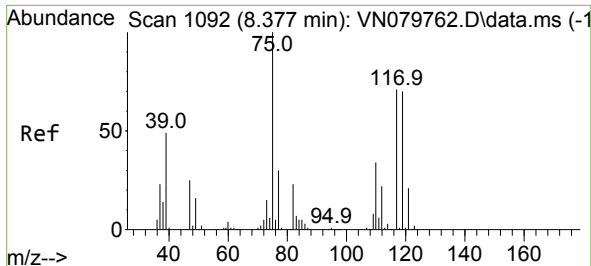
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

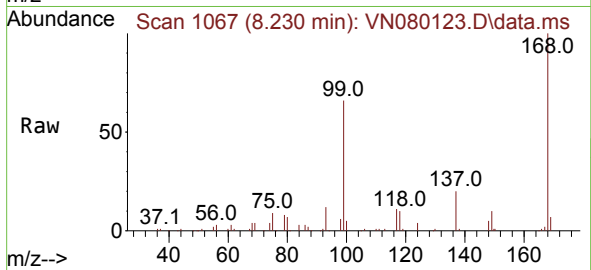
192 18.2 12.7 19.1



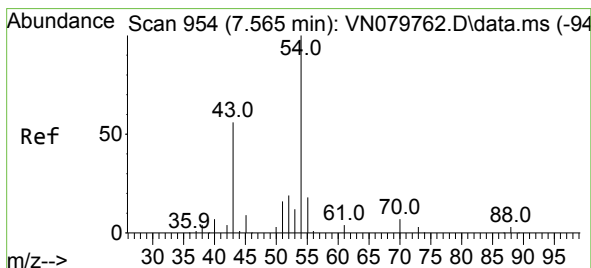
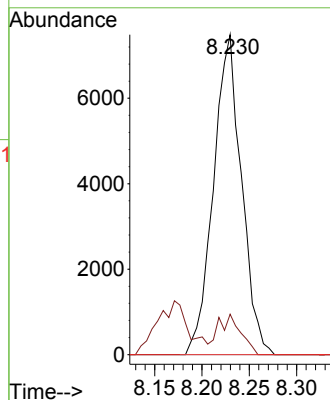
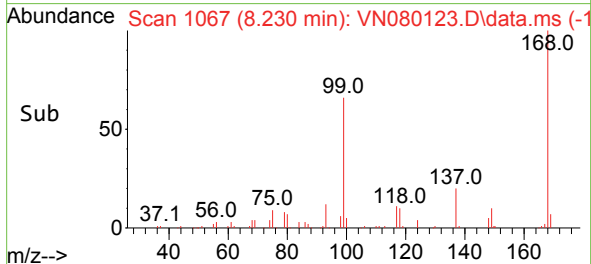


#36
1,1-Dichloropropene
Concen: 4.219 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

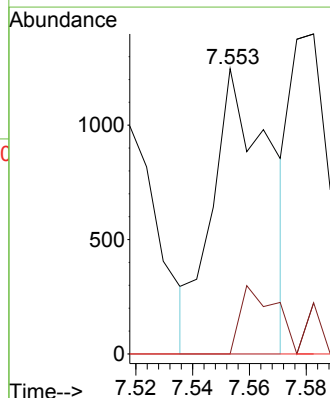
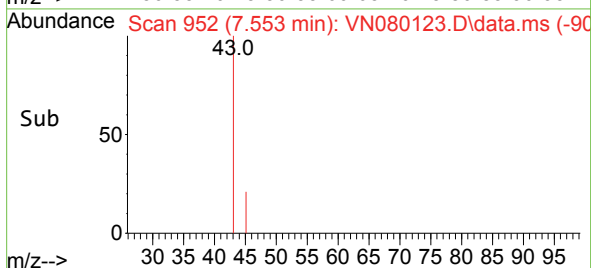
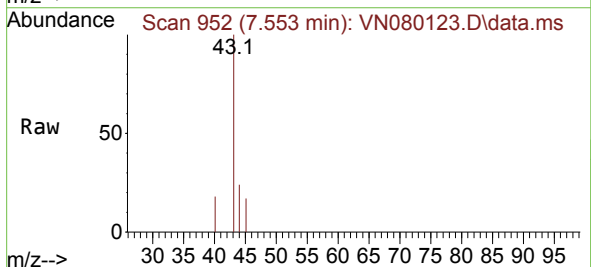


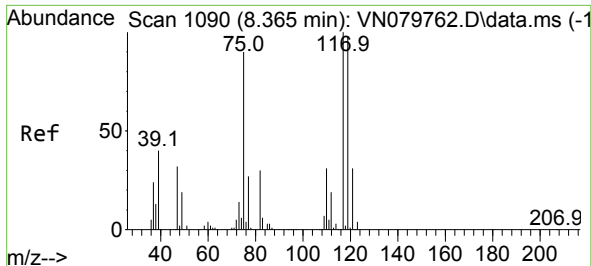
Tgt Ion: 75 Resp: 15411
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.520 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.012 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

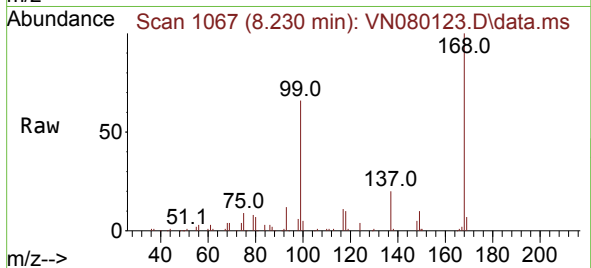
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
61 19.3 13.2 19.8
70 0.0 11.3 16.9#



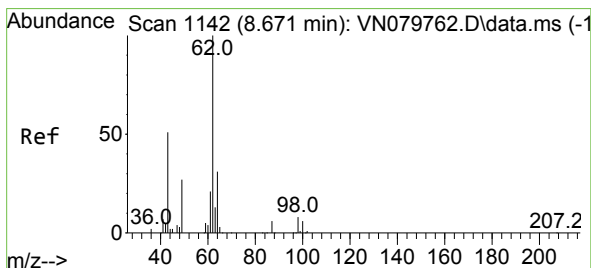
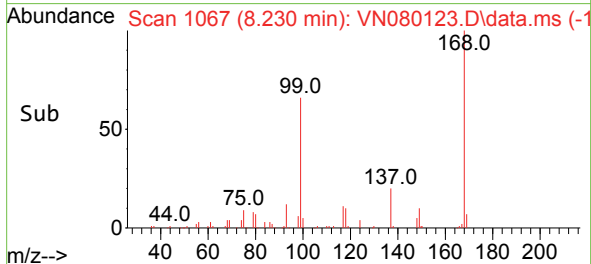
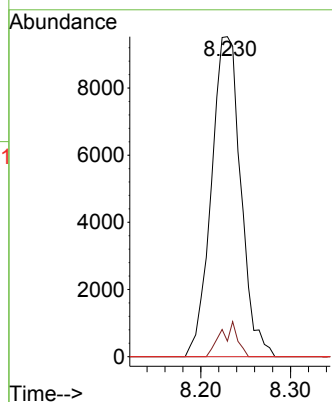


#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

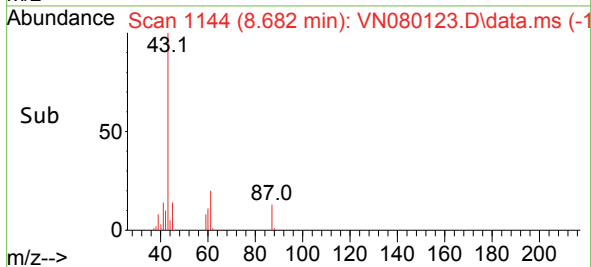
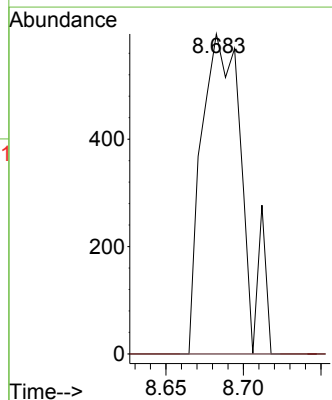
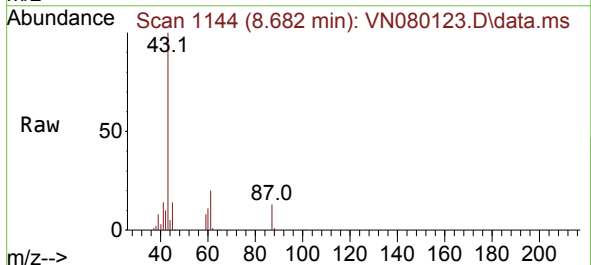


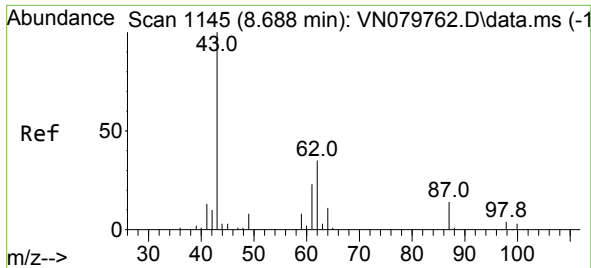
Tgt Ion:117 Resp: 21723
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.287 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 62 Resp: 1098
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

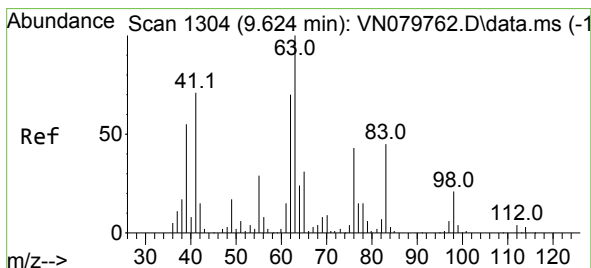
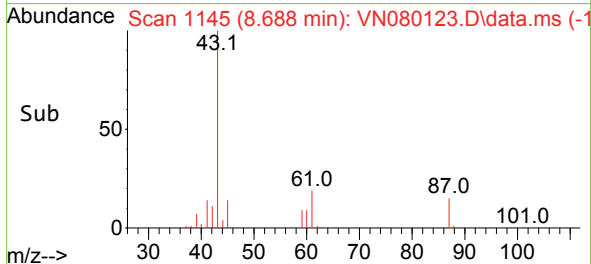
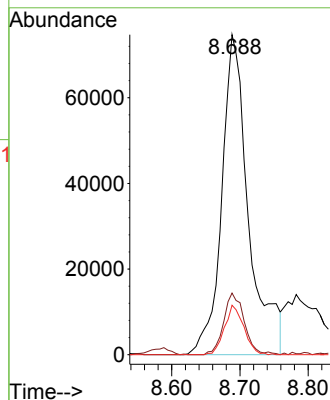
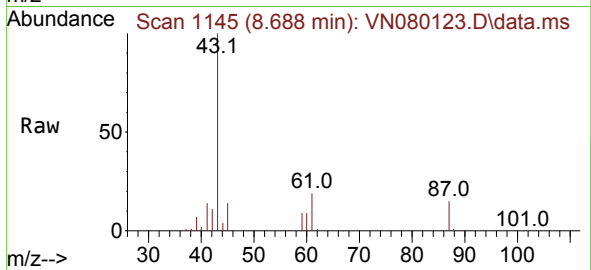




#43
Isopropyl Acetate
Concen: 34.848 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

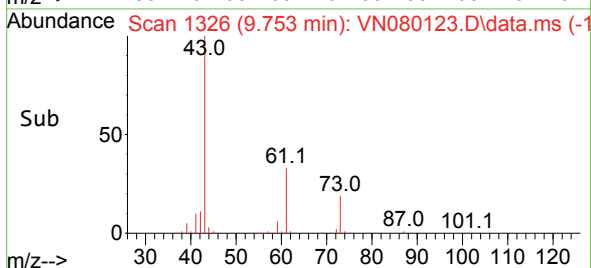
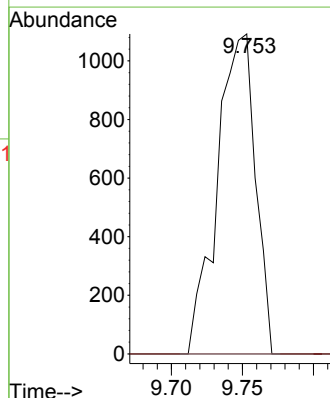
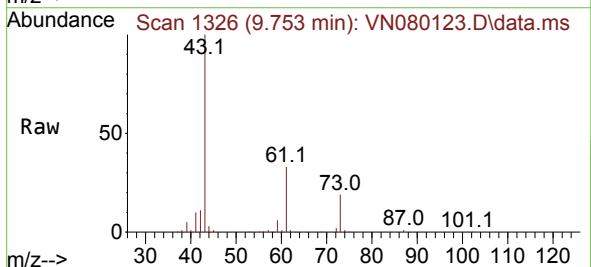
Instrument :
MSVOA_N
ClientSampleId :

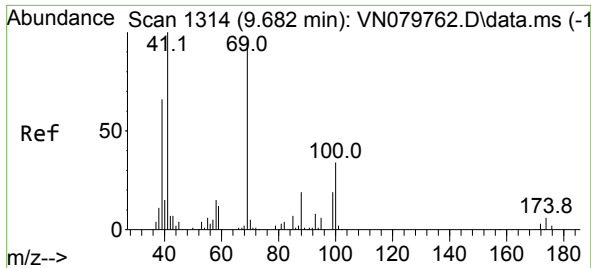
Tgt Ion: 43 Resp: 204737
Ion Ratio Lower Upper
43 100
61 14.8 24.7 37.1#
87 11.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.730 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.130 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 63 Resp: 2042
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.545 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

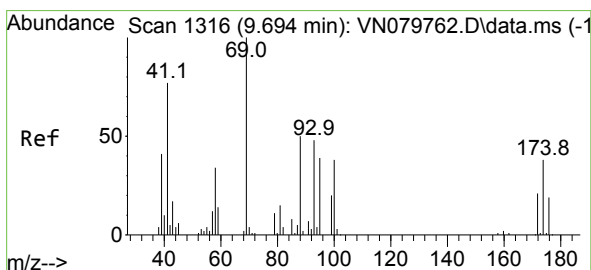
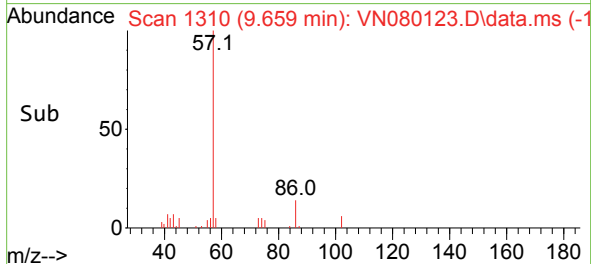
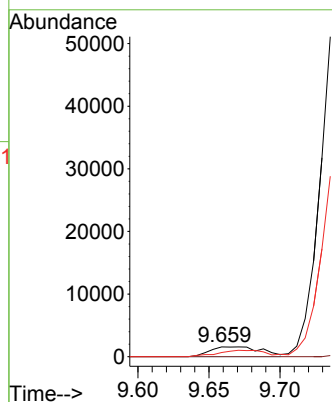
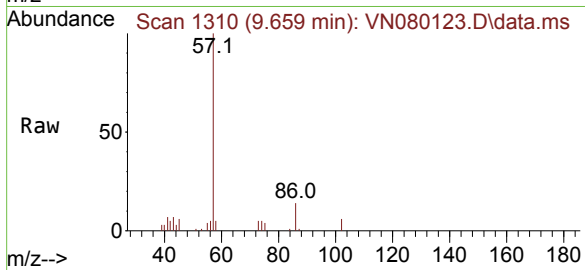
Tgt Ion: 41 Resp: 3977

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 57.3 54.6 81.8



#49

1,4-Dioxane

Concen: 1.341 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

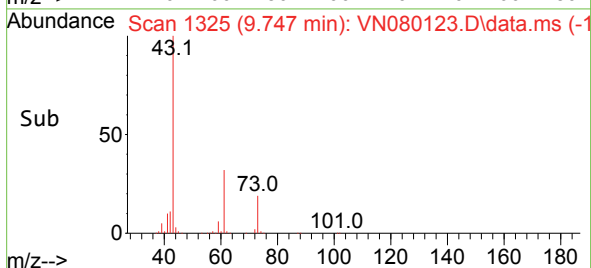
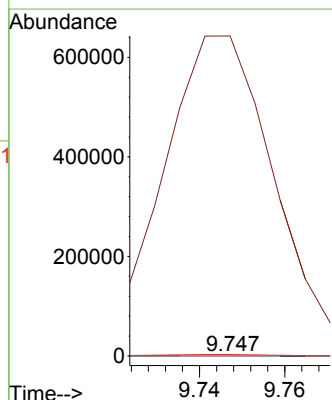
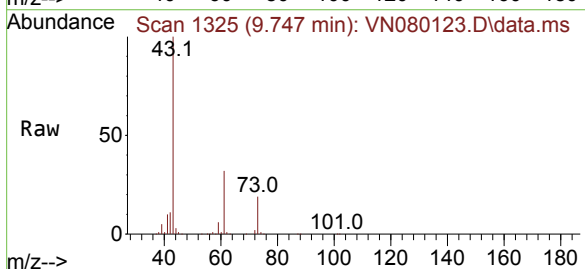
Tgt Ion: 88 Resp: 61

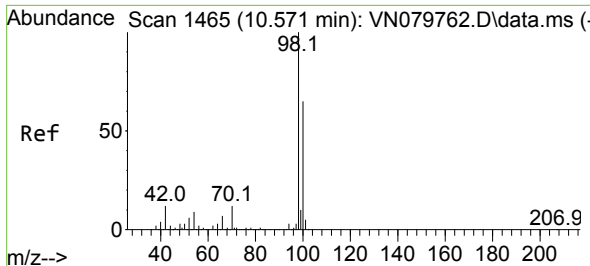
Ion Ratio Lower Upper

88 100

43 1965882.0 17.0 25.6#

58 9534.4 47.0 70.4#

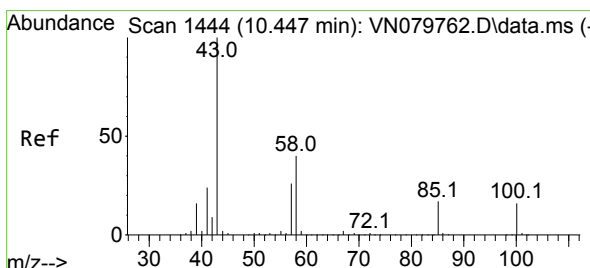
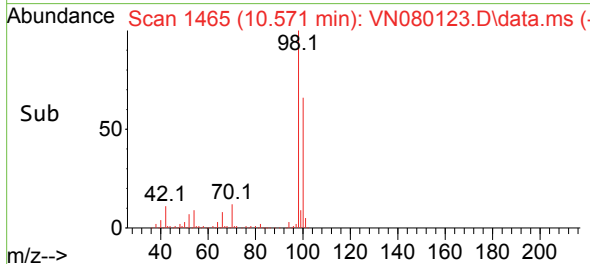
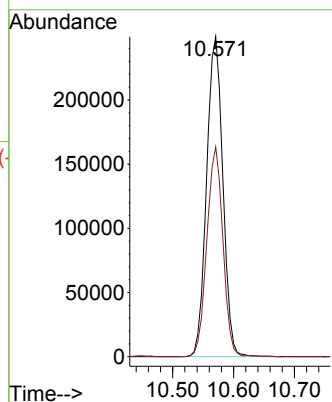
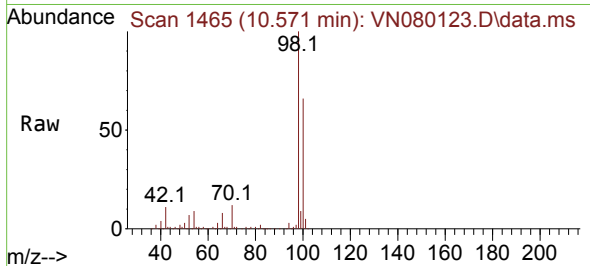




#50
Toluene-d8
Concen: 49.101 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

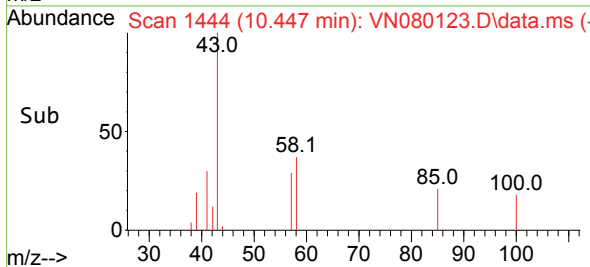
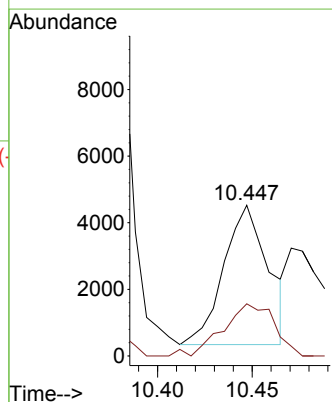
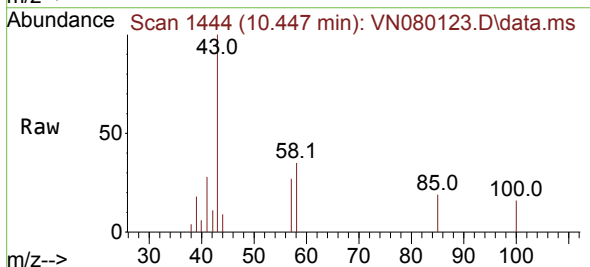
Instrument :
MSVOA_N
ClientSampleId :

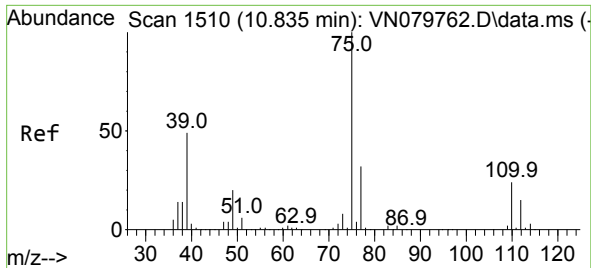
Tgt Ion: 98 Resp: 462452
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.064 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 43 Resp: 6827
Ion Ratio Lower Upper
43 100
58 43.2 36.6 54.8

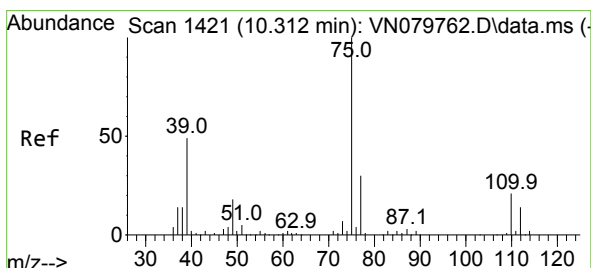
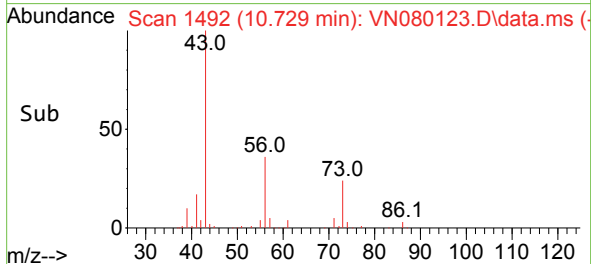
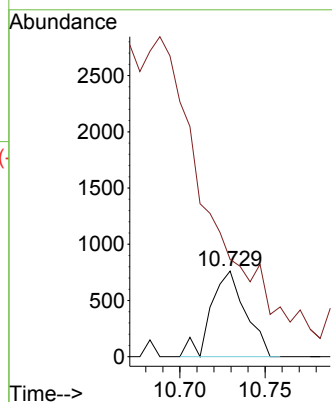
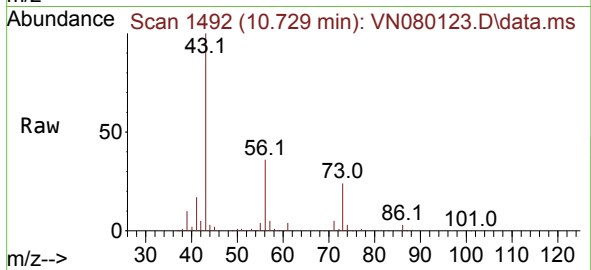




#53
 t-1,3-Dichloropropene
 Concen: 0.270 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN080123.D
 Acq: 15 Nov 2023 20:15

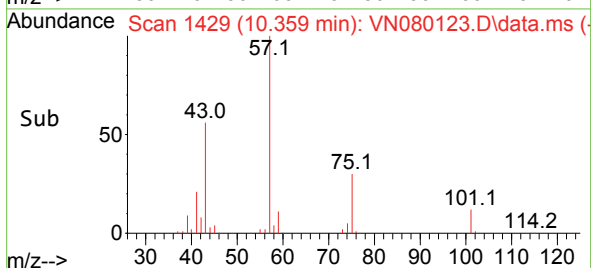
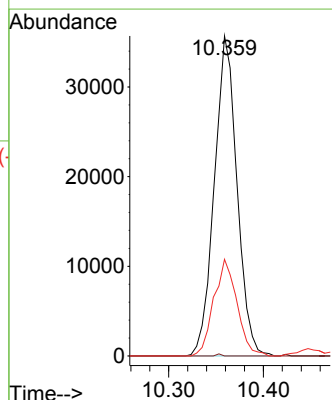
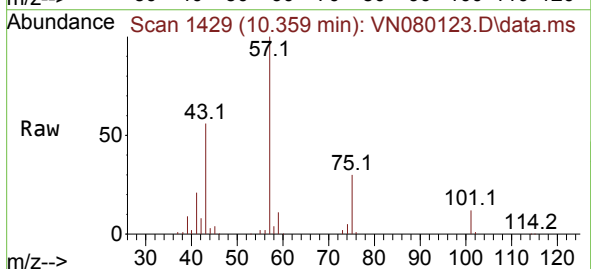
Instrument :
 MSVOA_N
 ClientSampleId :

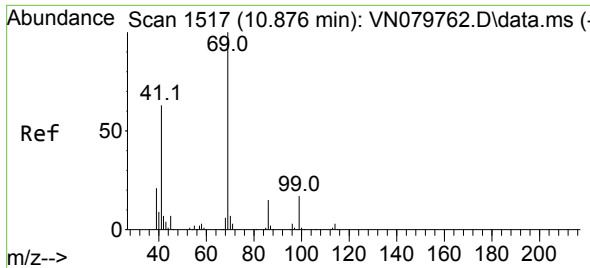
Tgt Ion: 75 Resp: 1076
 Ion Ratio Lower Upper
 75 100
 77 55.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.622 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080123.D
 Acq: 15 Nov 2023 20:15

Tgt Ion: 75 Resp: 59265
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.2 31.6 47.4#

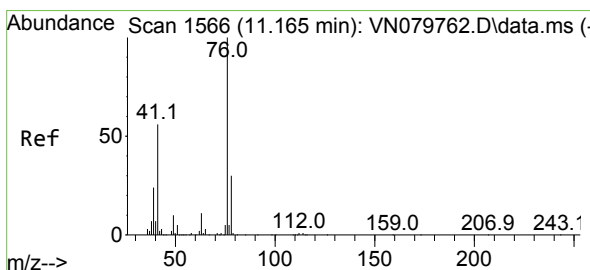
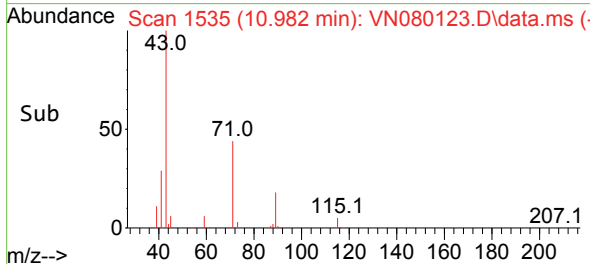
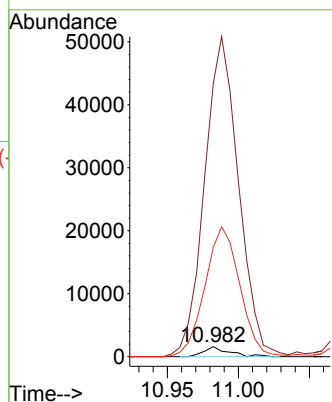
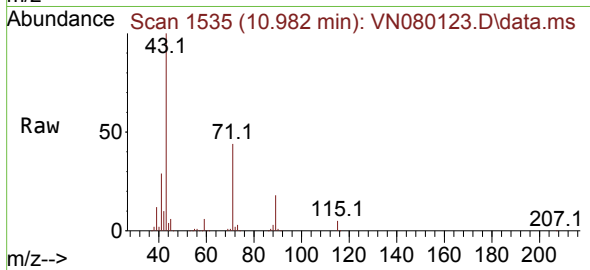




#56
Ethyl methacrylate
Concen: 0.529 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

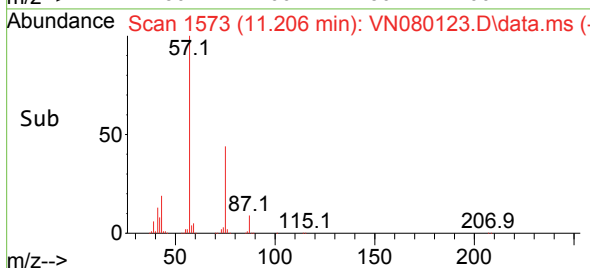
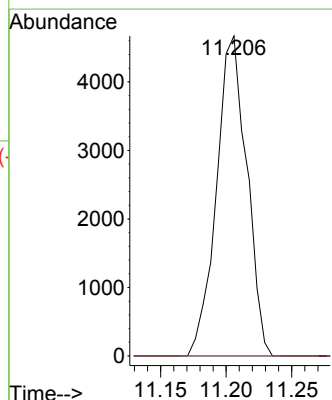
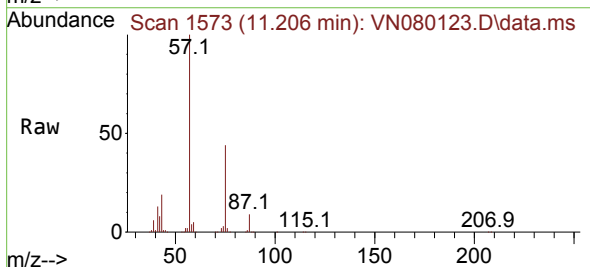
Instrument :
MSVOA_N
ClientSampleId :

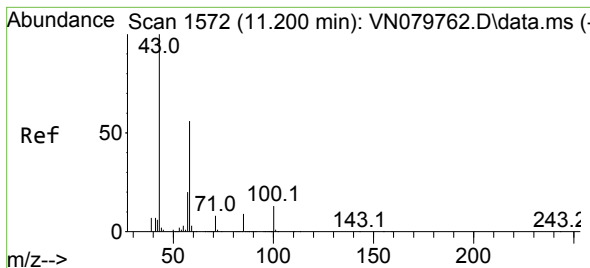
Tgt Ion: 69 Resp: 1968
Ion Ratio Lower Upper
69 100
41 4303.8 39.6 59.4#
39 1789.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.636 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

Tgt Ion: 76 Resp: 7524
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

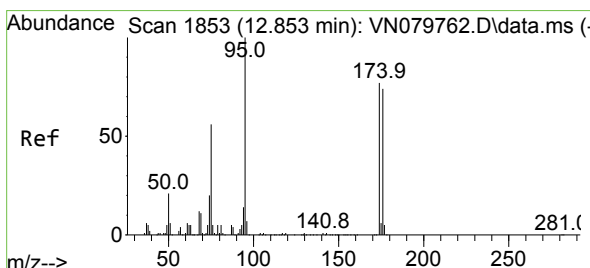
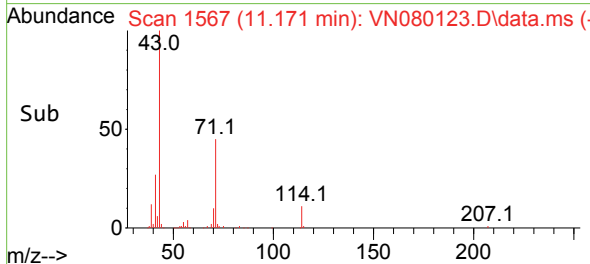
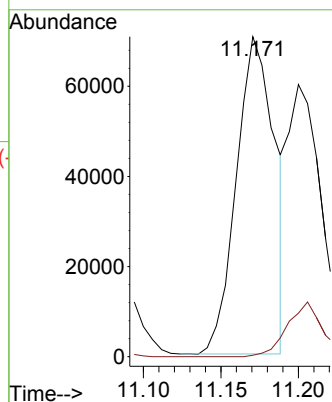
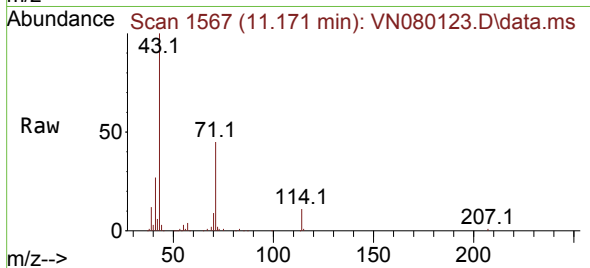




#59
2-Hexanone
Concen: 47.831 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

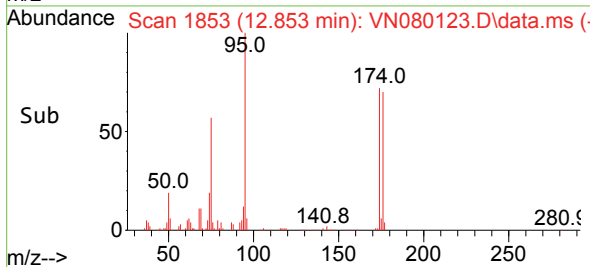
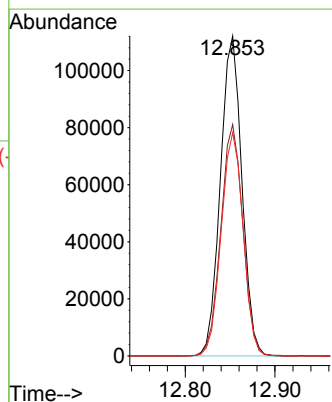
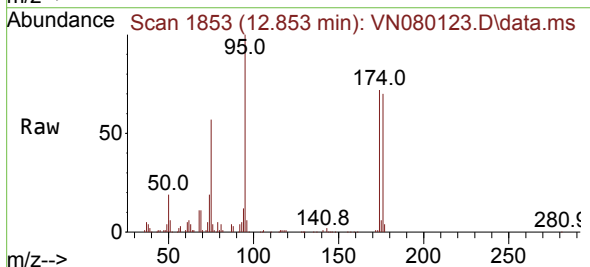
Instrument :
MSVOA_N
ClientSampleId :

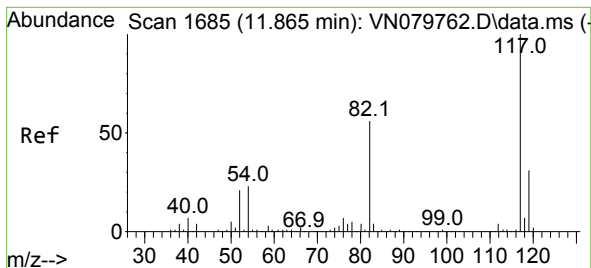
Tgt Ion: 43 Resp: 121030
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 59.779 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

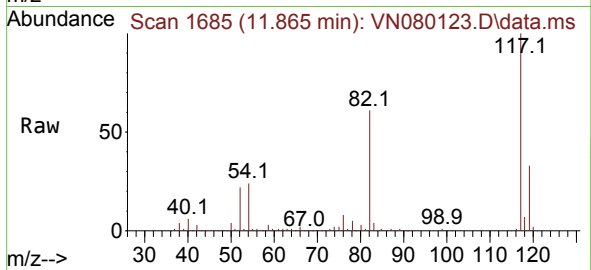
Tgt Ion: 95 Resp: 186726
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.1 0.0 135.8



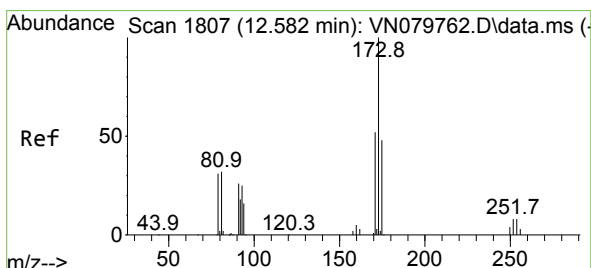
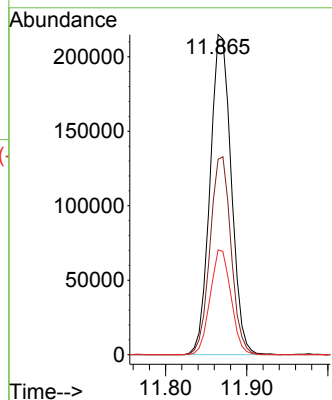
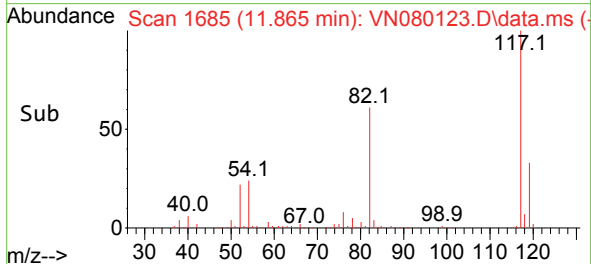


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15

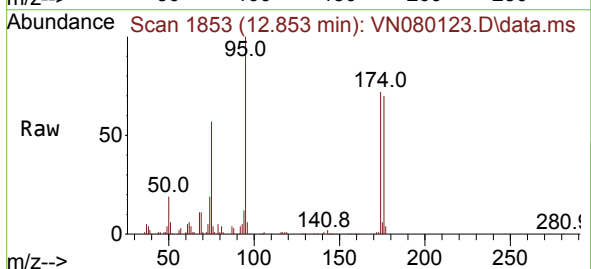
Instrument :
MSVOA_N
ClientSampleId :



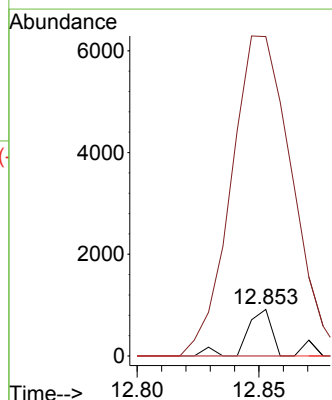
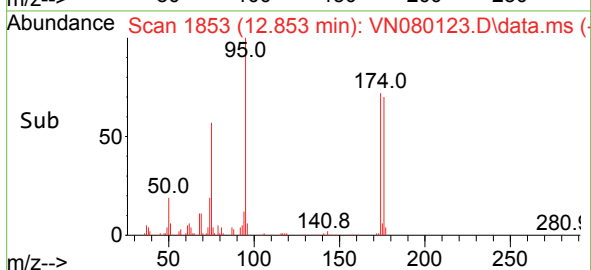
Tgt Ion:117 Resp: 390049
Ion Ratio Lower Upper
117 100
82 61.1 44.0 66.0
119 32.7 25.6 38.4

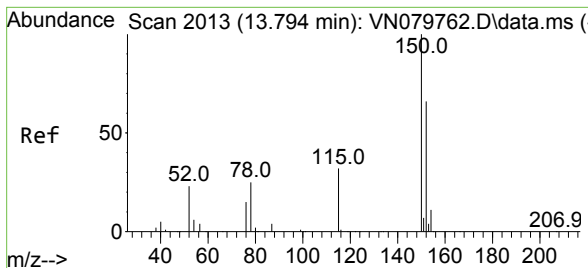


#71
Bromoform
Concen: 0.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080123.D
Acq: 15 Nov 2023 20:15



Tgt Ion:173 Resp: 634
Ion Ratio Lower Upper
173 100
175 1409.1 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

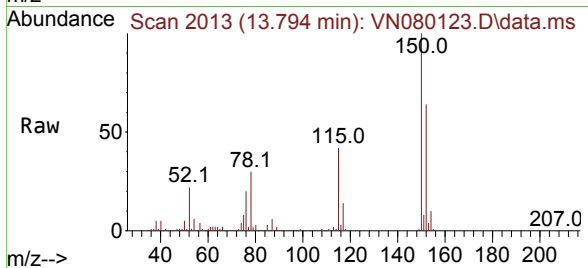
Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :



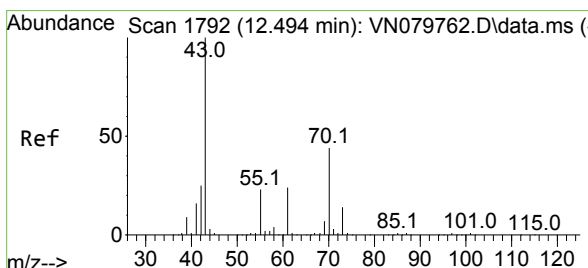
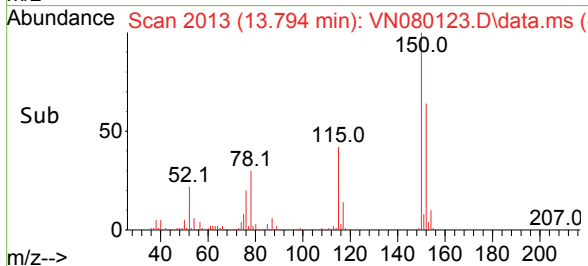
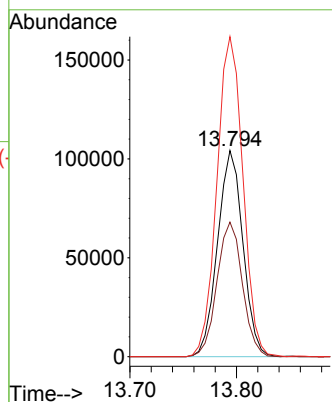
Tgt Ion:152 Resp: 172211

Ion Ratio Lower Upper

152 100

115 65.3 32.3 96.8

150 159.0 0.0 355.8



#74

N-ethyl acetate

Concen: 0.257 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Tgt Ion: 43 Resp: 1467

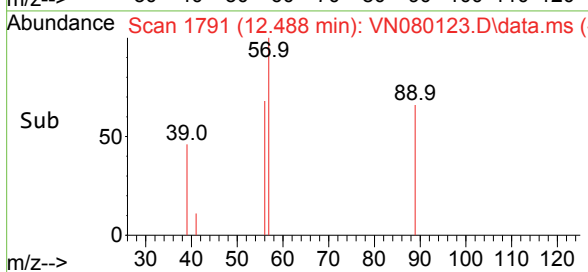
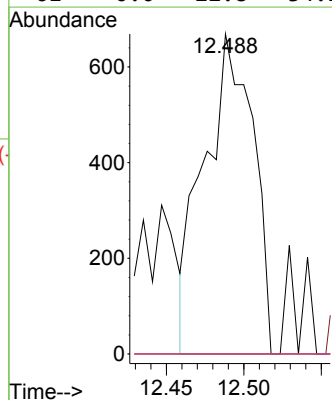
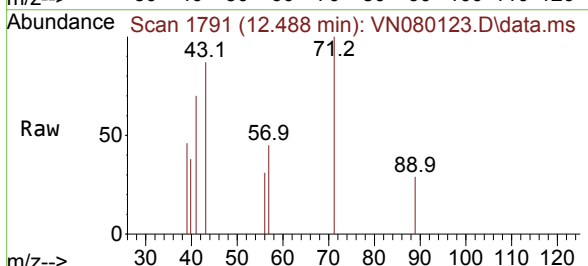
Ion Ratio Lower Upper

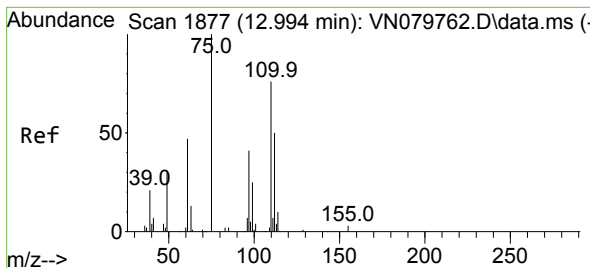
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 26.716 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

Instrument :

MSVOA_N

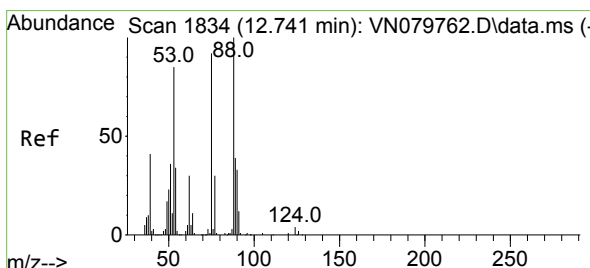
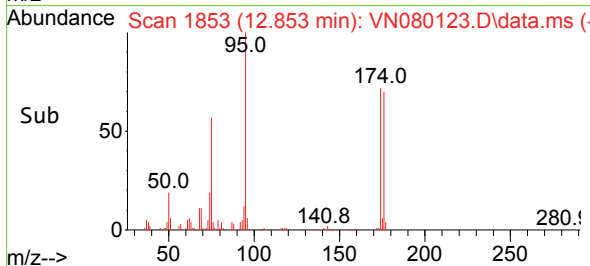
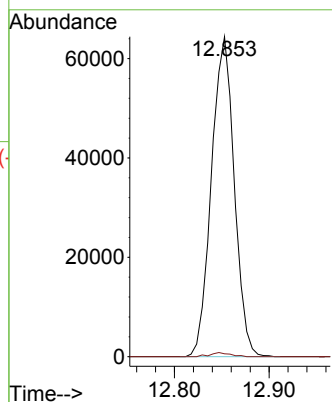
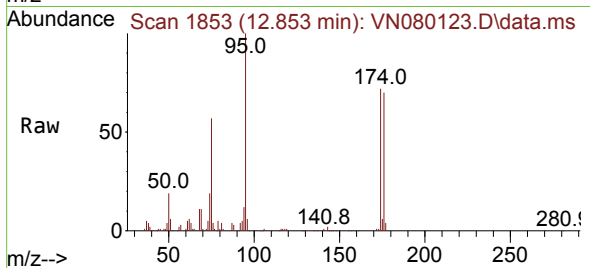
ClientSampleId :

Tgt Ion: 75 Resp: 108014

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.689 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080123.D

Acq: 15 Nov 2023 20:15

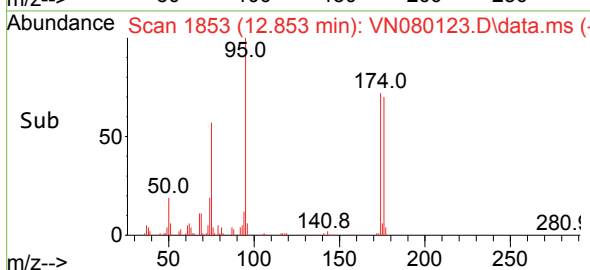
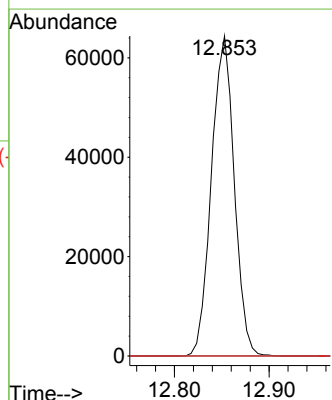
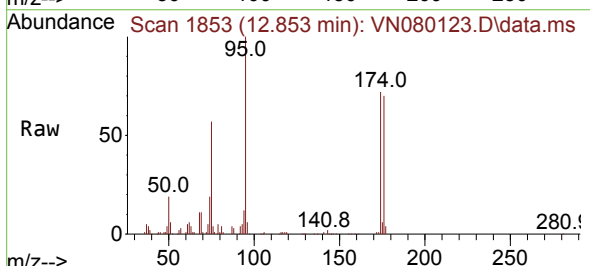
Tgt Ion: 75 Resp: 108014

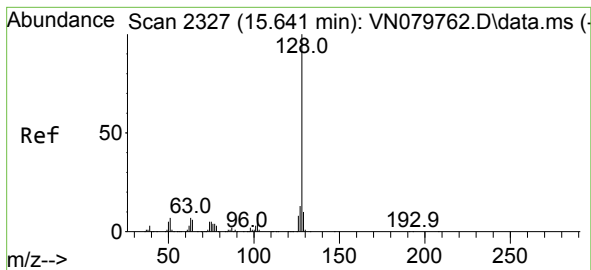
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

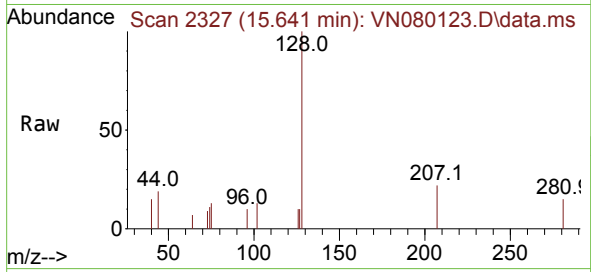
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.379 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080123.D
 Acq: 15 Nov 2023 20:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	3438
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.0	15.0#
129	0.0	8.7	13.1#

