

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080213.D
 Acq On : 20 Nov 2023 17:23
 Operator : JC\MD
 Sample : PB157250ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:08:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	141655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	267005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	291735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132662	56.719	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.440%			
35) Dibromofluoromethane	8.165	113	101568	51.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.571	98	365255	51.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.847	95	143597	53.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.060%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	255	Below Cal	#	43
11) Tert butyl alcohol	5.483	59	55	0.214	ug/l #	72
14) Allyl chloride	5.265	41	456	0.242	ug/l #	19
16) Acetone	4.430	43	14888	18.951	ug/l	92
18) Methyl Acetate	5.053	43	2766	1.096	ug/l #	59
20) Methylene Chloride	5.283	84	31824	19.344	ug/l #	89
25) 2-Butanone	7.489	43	596	0.639	ug/l #	37
31) Cyclohexane	8.224	56	3574	1.405	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	12243	4.292	ug/l #	50
37) Ethyl Acetate	7.565	43	1970	0.996	ug/l #	68
38) Carbon Tetrachloride	8.230	117	16927	4.676	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	720	0.217	ug/l #	73
43) Isopropyl Acetate	8.688	43	106986	27.787	ug/l #	82
48) Methyl methacrylate	9.741	41	88289	44.498	ug/l #	31
49) 1,4-Dioxane	9.730	88	56	1.697	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7311	3.668	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	40198	12.208	ug/l #	72
56) Ethyl methacrylate	10.988	69	1724	0.872	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5176	1.531	ug/l #	42
59) 2-Hexanone	11.200	43	62114	38.779	ug/l #	44
71) Bromoform	12.847	173	663	0.349	ug/l #	1
74) N-amyl acetate	12.494	43	787	0.260	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	85847	28.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85847	94.870	ug/l #	15

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

Instrument :

MSVOA_N

ClientSampleId :

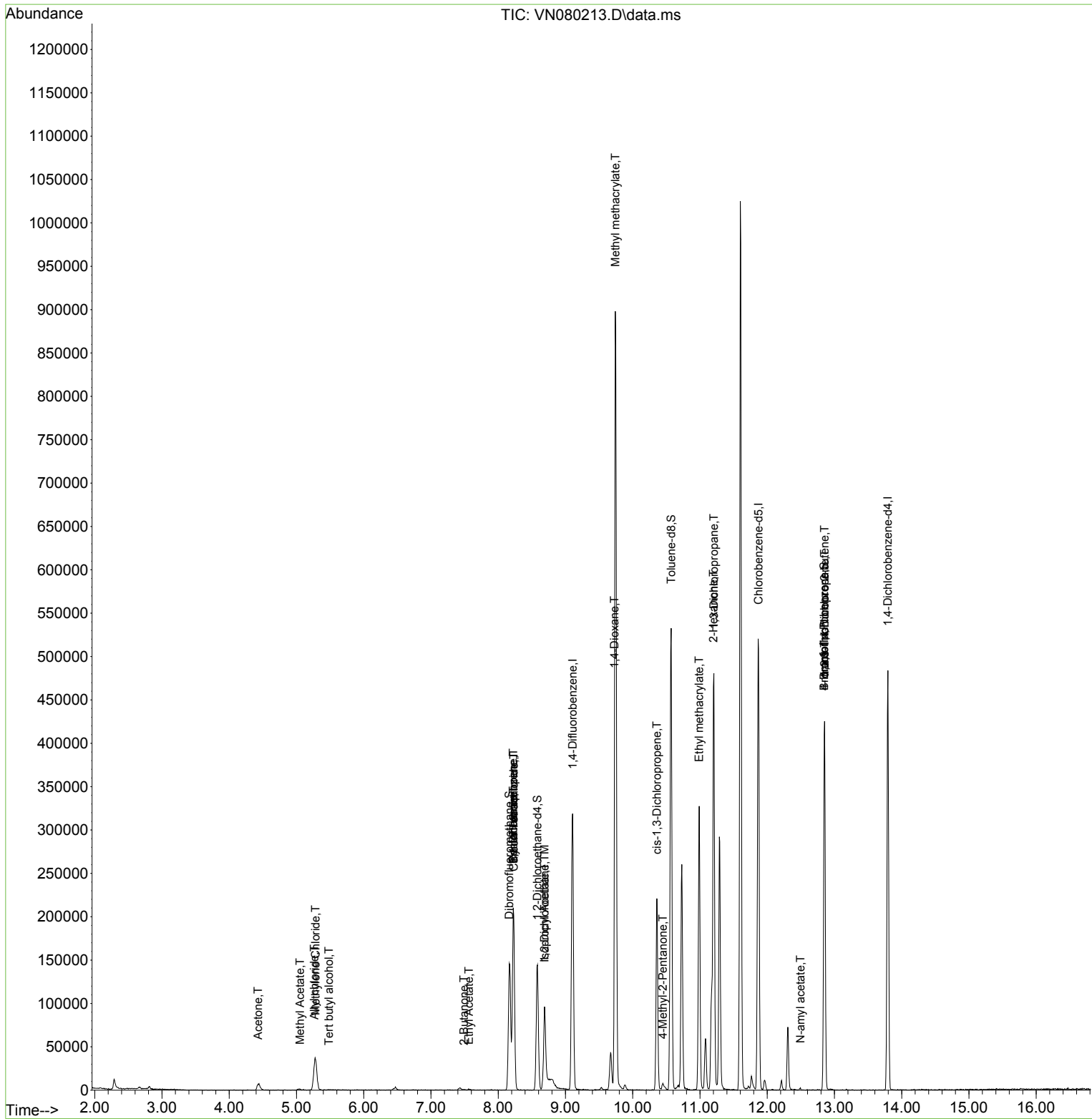
Quant Time: Nov 21 01:08:19 2023

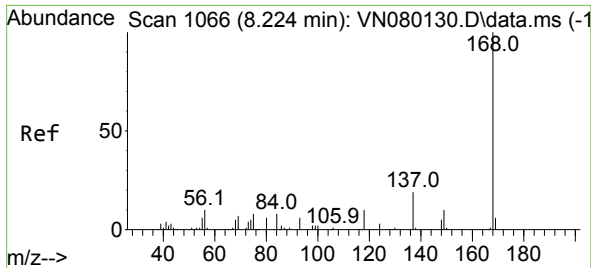
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Quant Title : SW846 8260

QLast Update : Fri Nov 17 01:19:32 2023

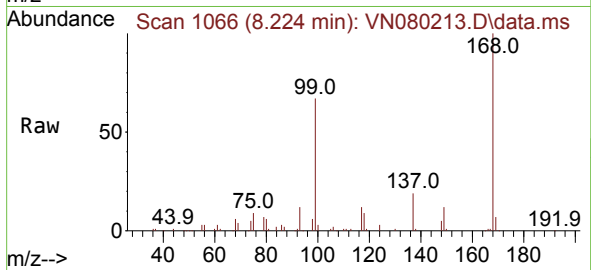
Response via : Initial Calibration



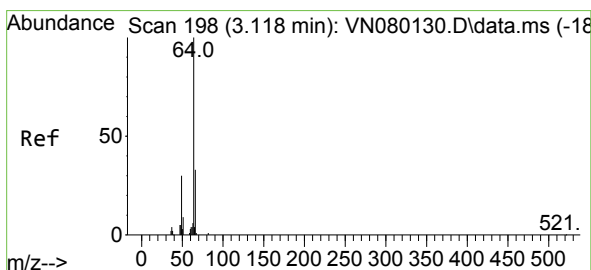
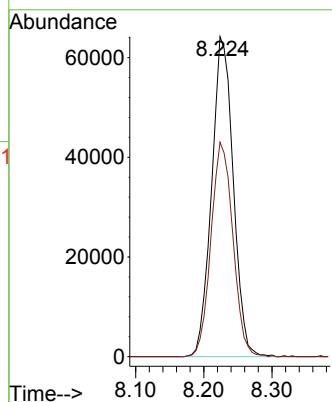
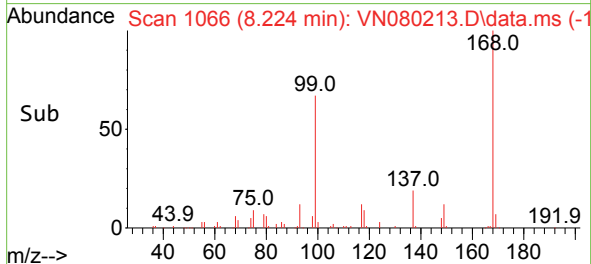


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Instrument :
MSVOA_N
ClientSampleId :

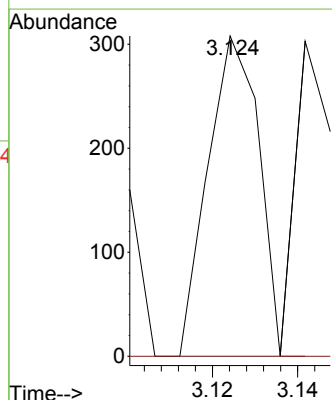
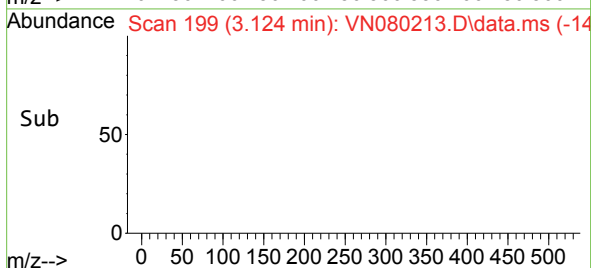
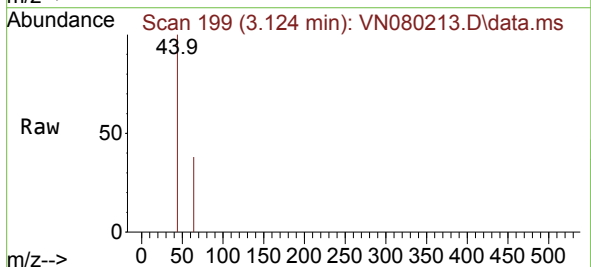


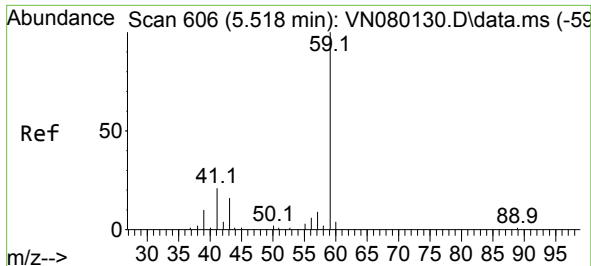
Tgt Ion:168 Resp: 141655
Ion Ratio Lower Upper
168 100
99 67.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 64 Resp: 255
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

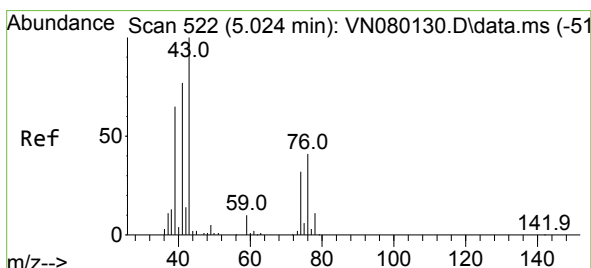
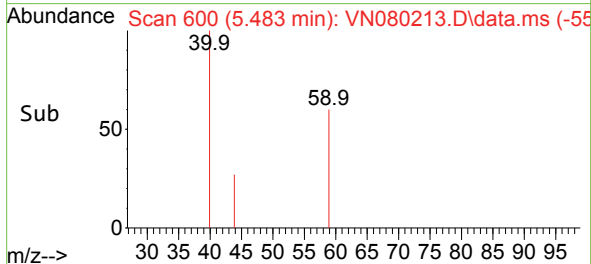
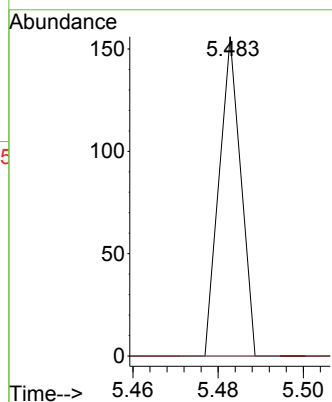
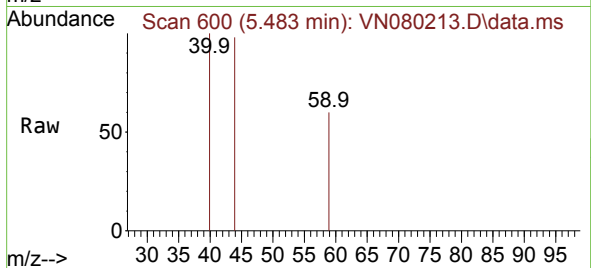




#11
Tert butyl alcohol
Concen: 0.214 ug/l
RT: 5.483 min Scan# 606
Delta R.T. -0.035 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

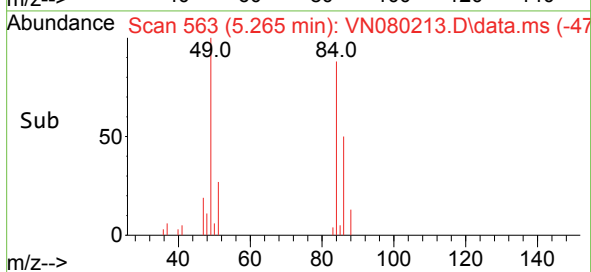
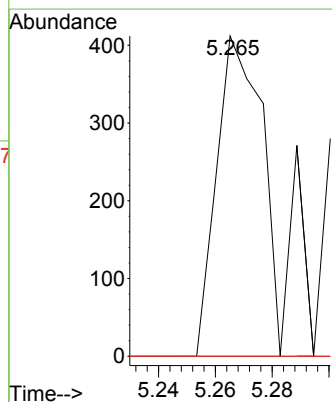
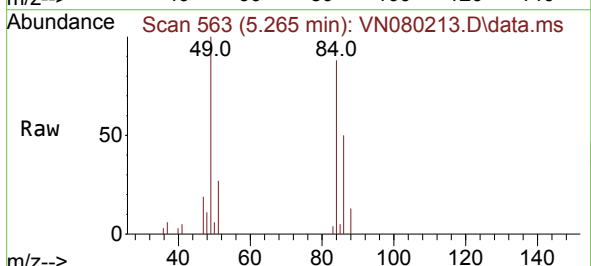
Instrument :
MSVOA_N
ClientSampleId :

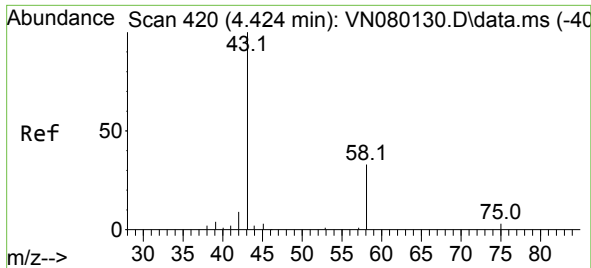
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 0.242 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.241 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 41 Resp: 456
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 39.1 58.7#

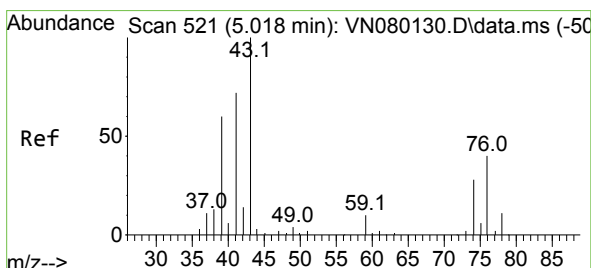
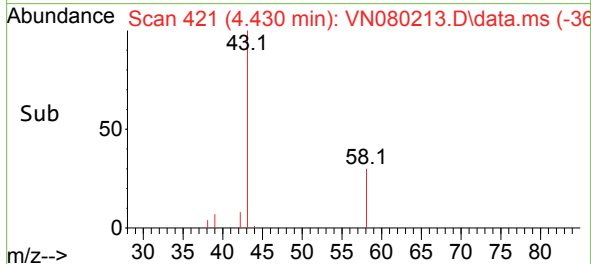
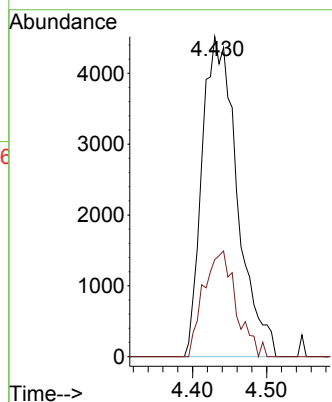
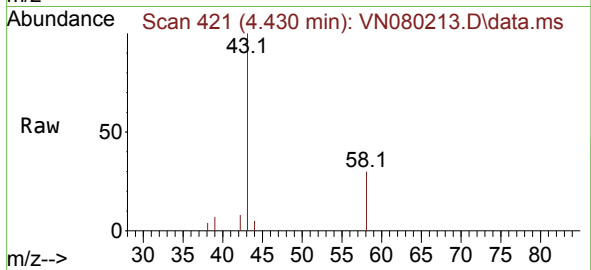




#16
Acetone
Concen: 18.951 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

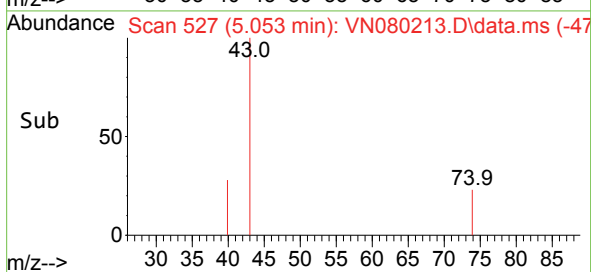
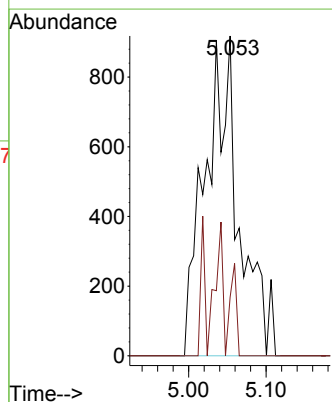
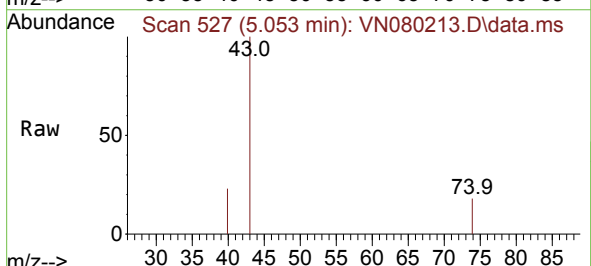
Instrument :
MSVOA_N
ClientSampleId :

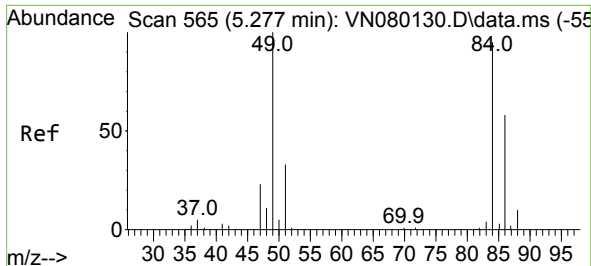
Tgt Ion: 43 Resp: 14888
Ion Ratio Lower Upper
43 100
58 30.4 28.0 42.0



#18
Methyl Acetate
Concen: 1.096 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.035 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

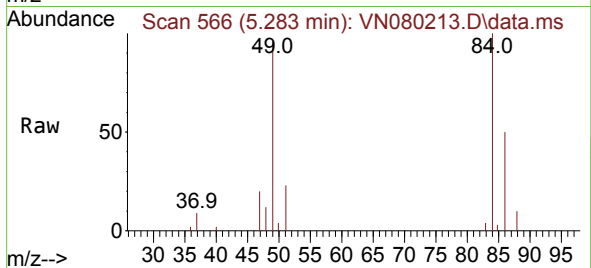
Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
74 9.7 26.2 39.4#



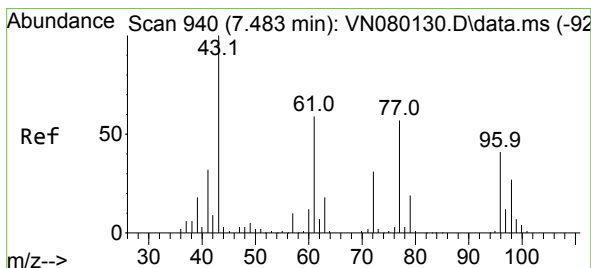
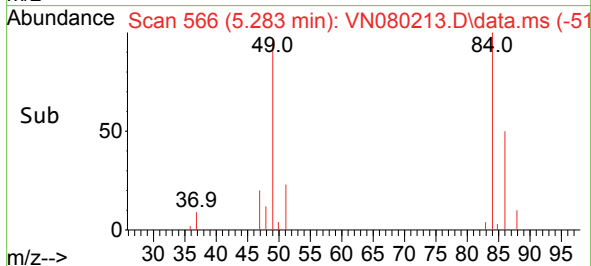
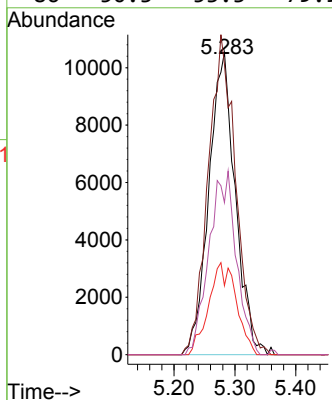


#20
Methylene Chloride
Concen: 19.344 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Instrument :
MSVOA_N
ClientSampleId :

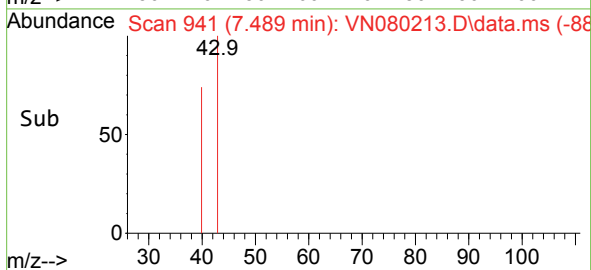
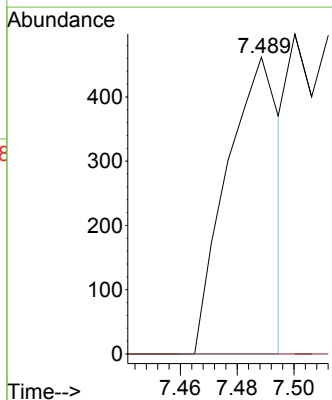
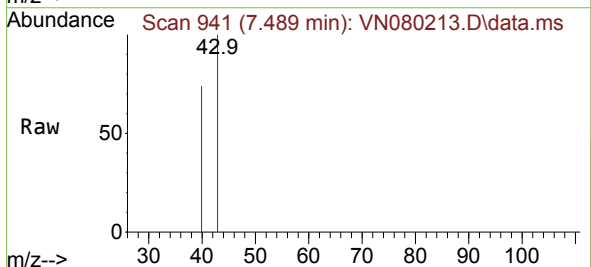


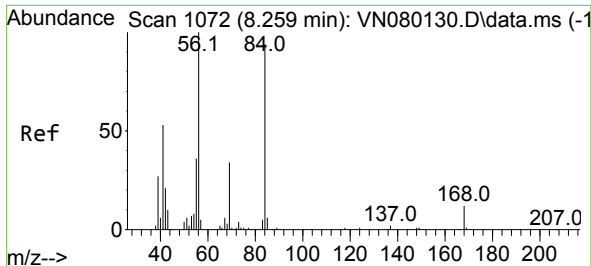
Tgt Ion: 84 Resp: 31824
Ion Ratio Lower Upper
84 100
49 96.0 79.7 119.5
51 22.9 25.2 37.8#
86 50.3 53.3 79.9#



#25
2-Butanone
Concen: 0.639 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

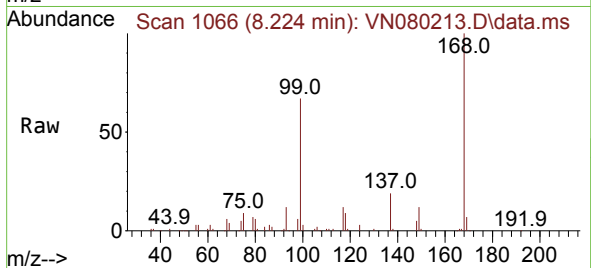
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



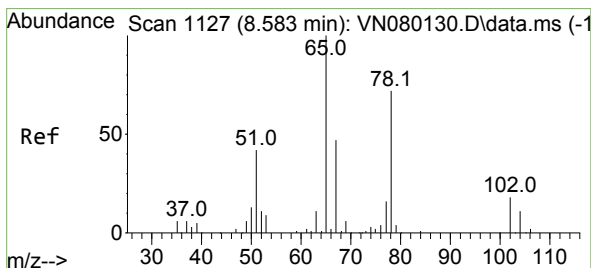
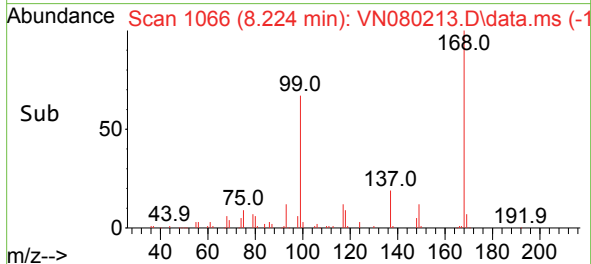
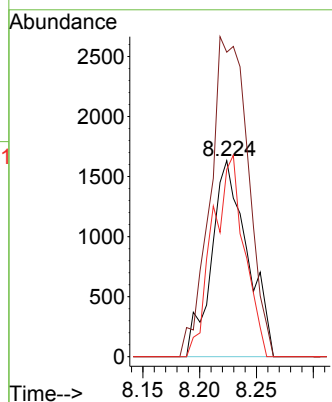


#31
Cyclohexane
Concen: 1.405 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Instrument :
MSVOA_N
ClientSampleId :

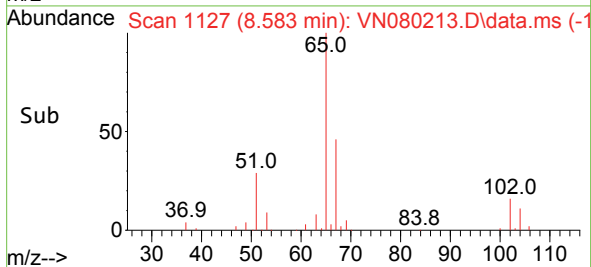
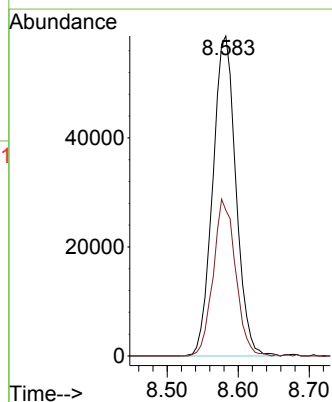
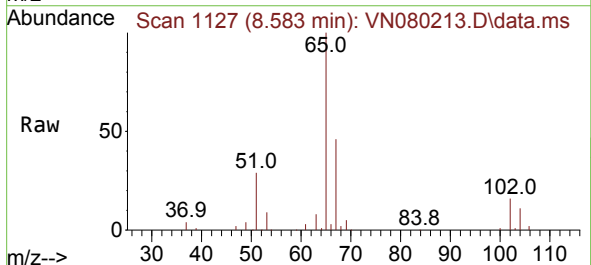


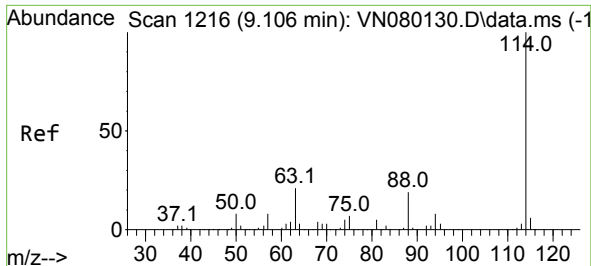
Tgt Ion: 56 Resp: 3574
Ion Ratio Lower Upper
56 100
69 155.4 26.8 40.2#
84 95.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 56.719 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 65 Resp: 132662
Ion Ratio Lower Upper
65 100
67 47.3 0.0 106.6

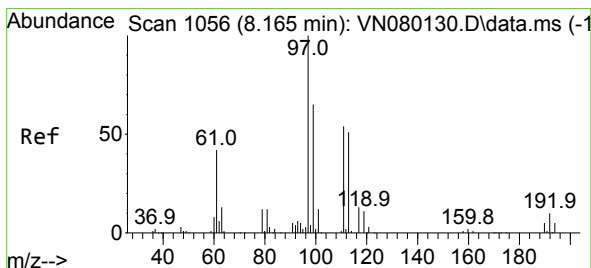
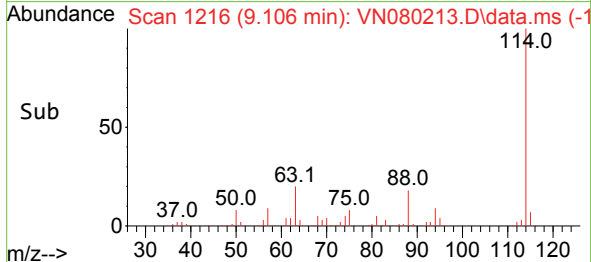
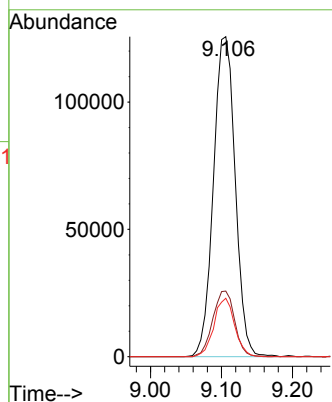
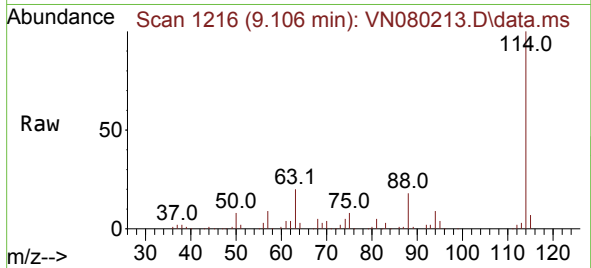




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

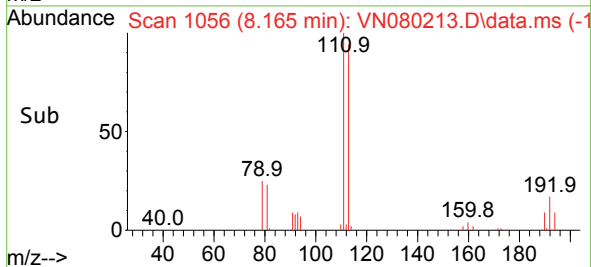
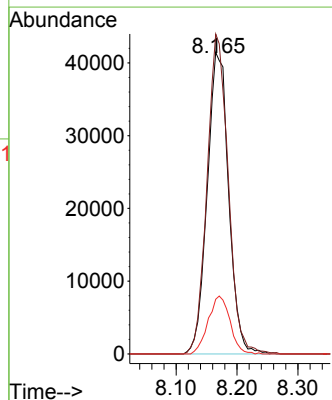
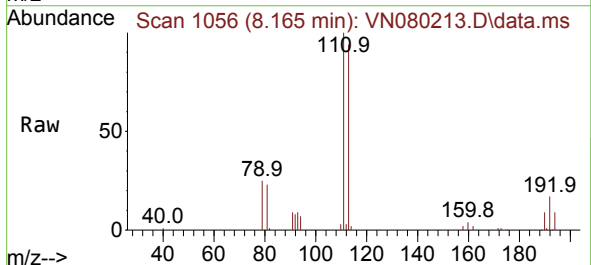
Instrument :
MSVOA_N
ClientSampleId :

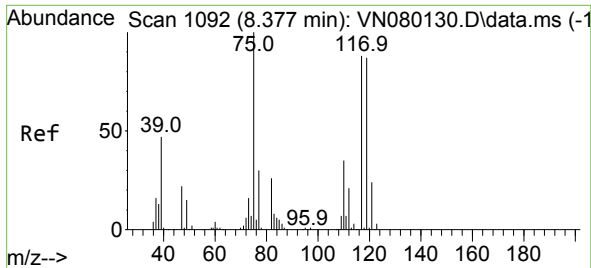
Tgt Ion:114 Resp: 267005
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.4
88 18.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.554 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

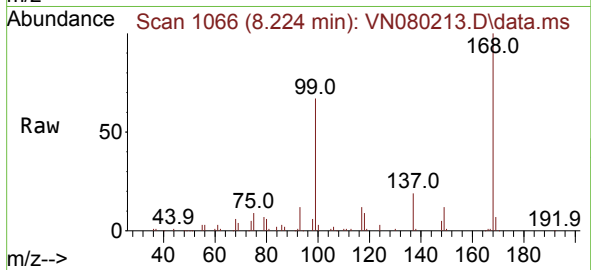
Tgt Ion:113 Resp: 101568
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 19.5 12.7 19.1#



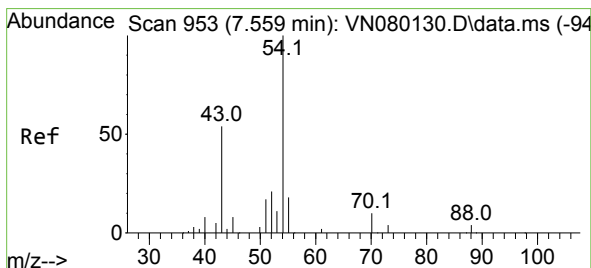
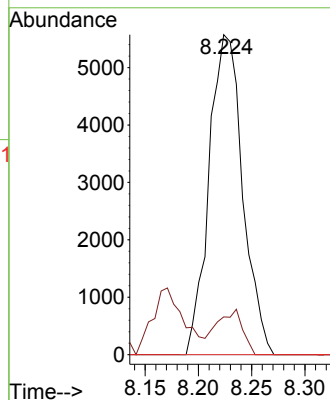
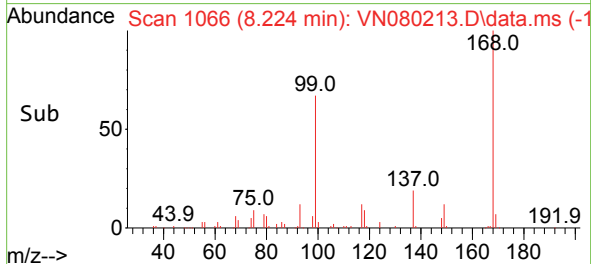


#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 8.224 min Scan# 1092
 Delta R.T. -0.153 min
 Lab File: VN080213.D
 Acq: 20 Nov 2023 17:23

Instrument :
 MSVOA_N
 ClientSampleId :

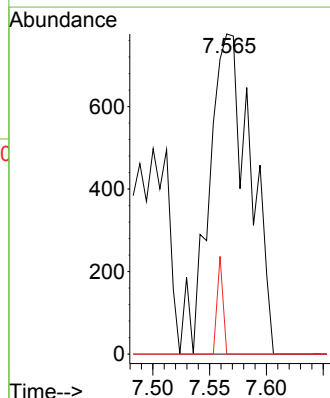
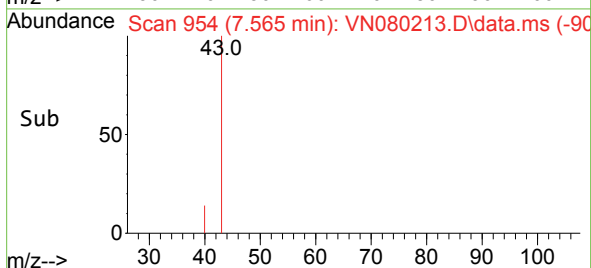
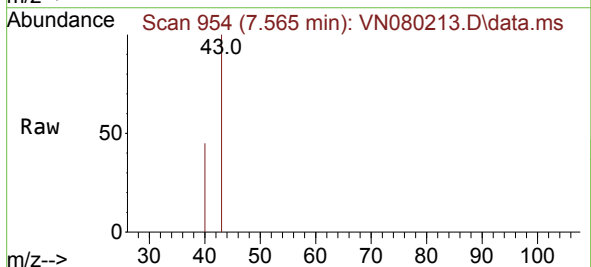


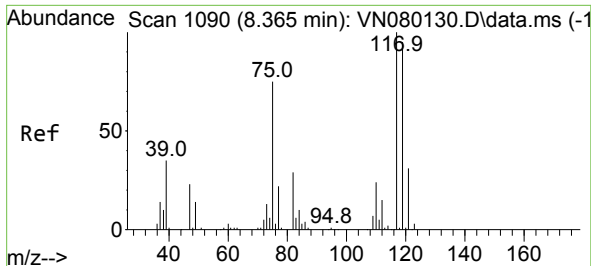
Tgt Ion: 75 Resp: 12243
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.996 ug/l
 RT: 7.565 min Scan# 954
 Delta R.T. 0.006 min
 Lab File: VN080213.D
 Acq: 20 Nov 2023 17:23

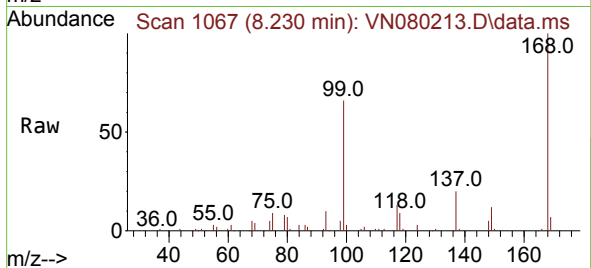
Tgt Ion: 43 Resp: 1970
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.2 19.8#
 70 4.3 11.3 16.9#



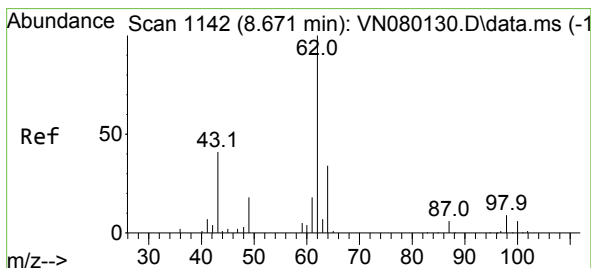
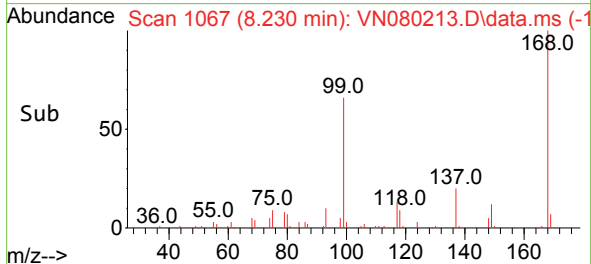
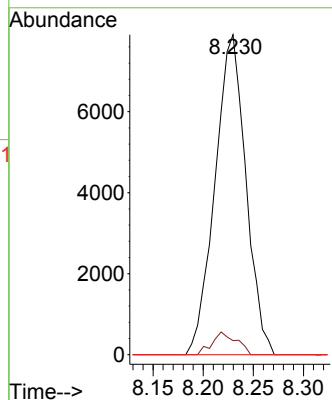


#38
Carbon Tetrachloride
Concen: 4.676 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.135 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Instrument :
MSVOA_N
ClientSampleId :

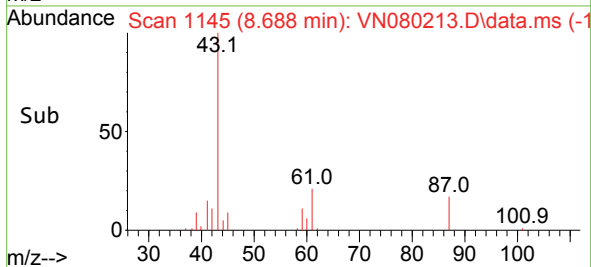
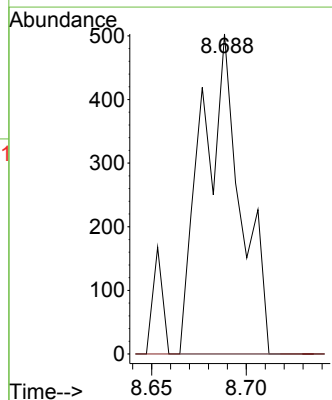
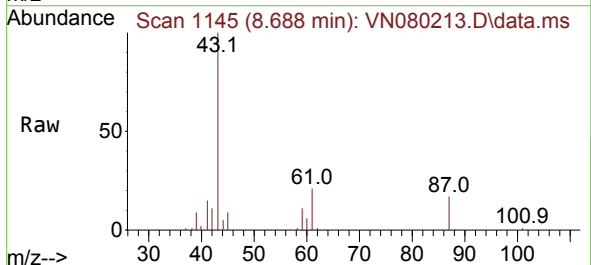


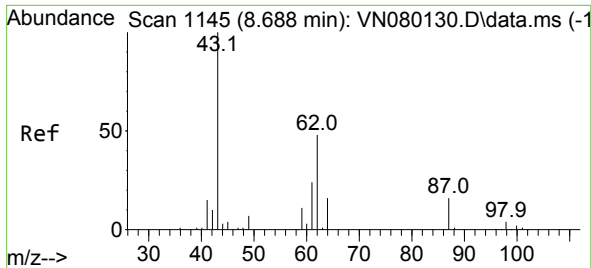
Tgt Ion:117 Resp: 16927
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 62 Resp: 720
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

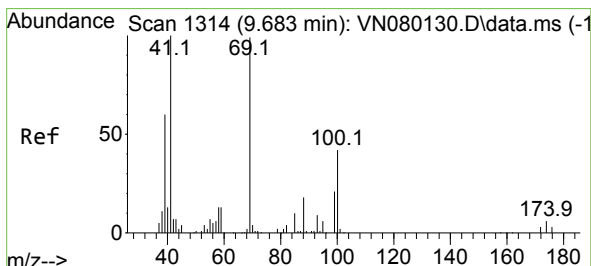
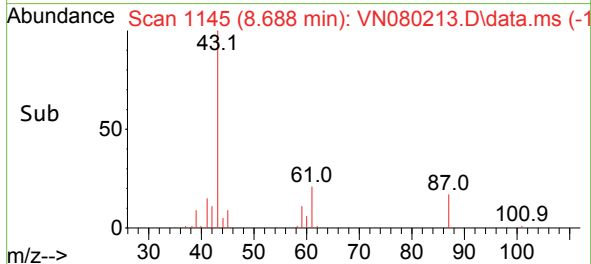
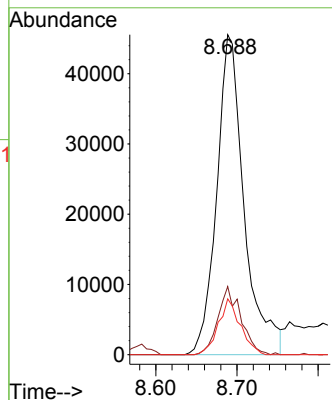
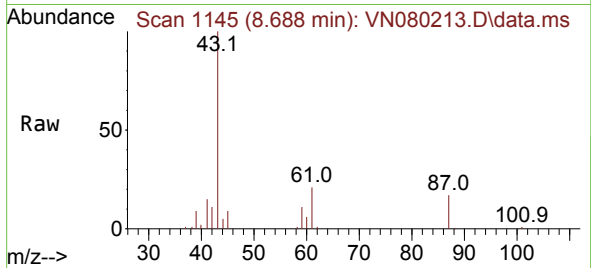




#43
Isopropyl Acetate
Concen: 27.787 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

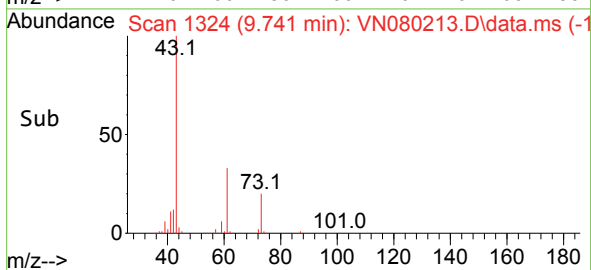
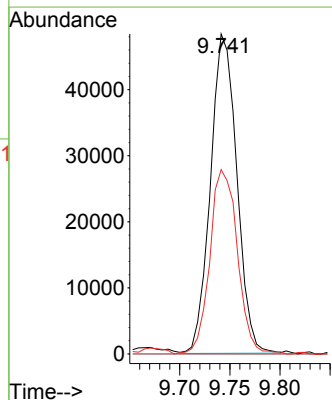
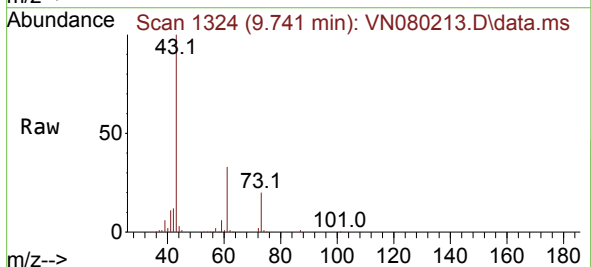
Instrument :
MSVOA_N
ClientSampleId :

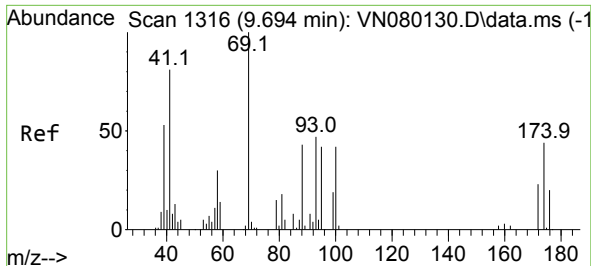
Tgt Ion: 43 Resp: 106986
Ion Ratio Lower Upper
43 100
61 17.9 24.7 37.1#
87 14.1 14.6 21.8#



#48
Methyl methacrylate
Concen: 44.498 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 41 Resp: 88289
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.2 54.6 81.8





#49

1,4-Dioxane

Concen: 1.697 ug/l

RT: 9.730 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN080213.D

Acq: 20 Nov 2023 17:23

Instrument :

MSVOA_N

ClientSampleId :

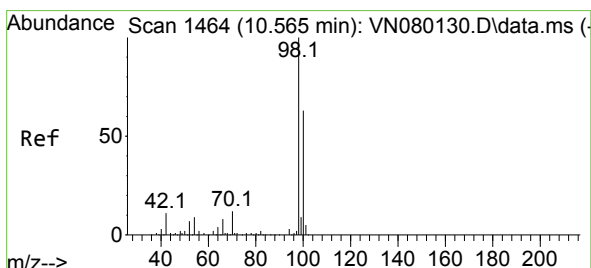
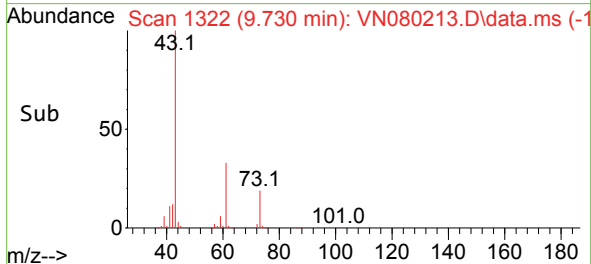
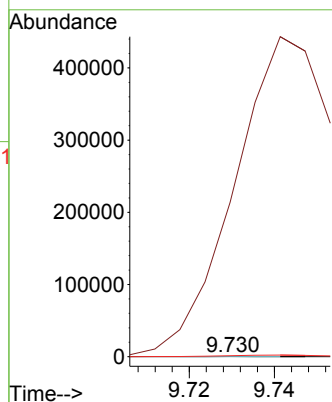
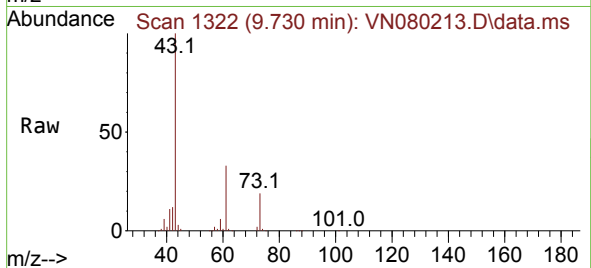
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 1434458.9 17.0 25.6#

58 7283.9 47.0 70.4#



#50

Toluene-d8

Concen: 51.430 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080213.D

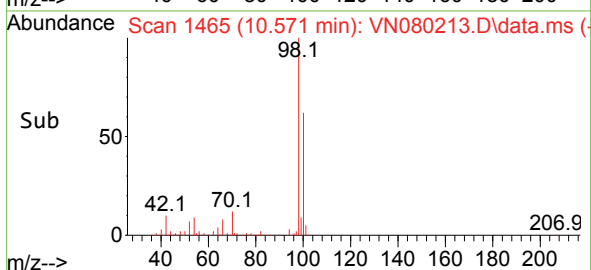
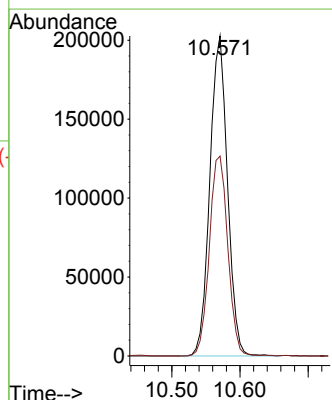
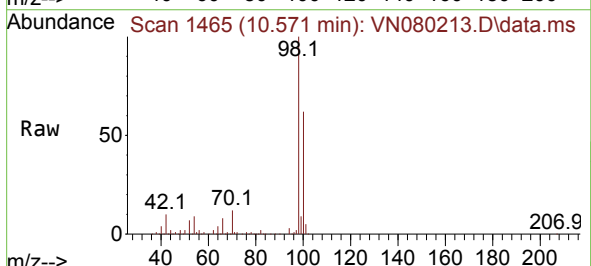
Acq: 20 Nov 2023 17:23

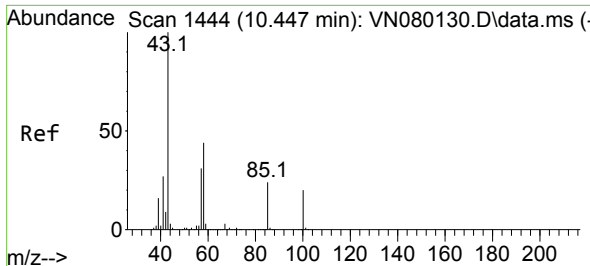
Tgt Ion: 98 Resp: 365255

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

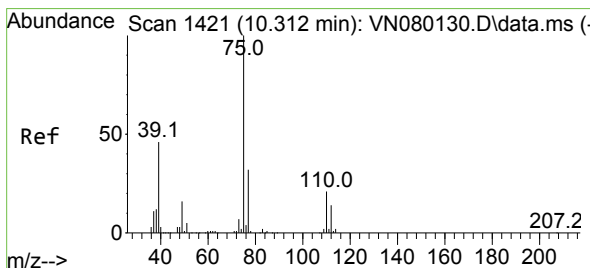
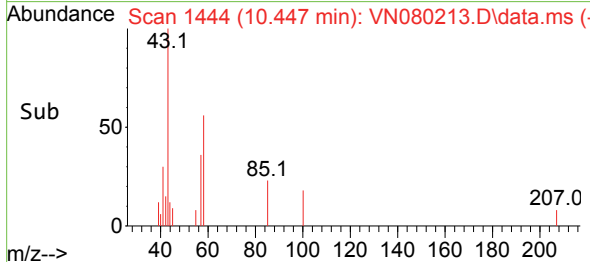
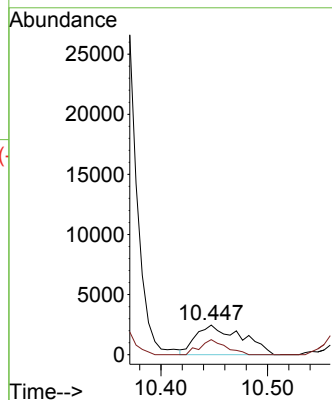
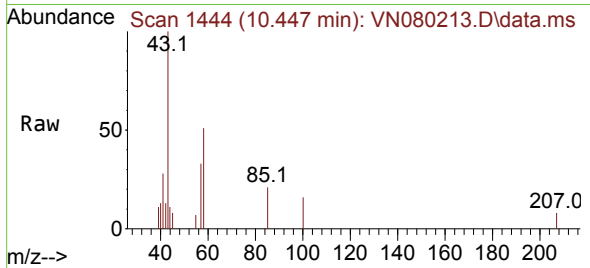




#51
4-Methyl-2-Pentanone
Concen: 3.668 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

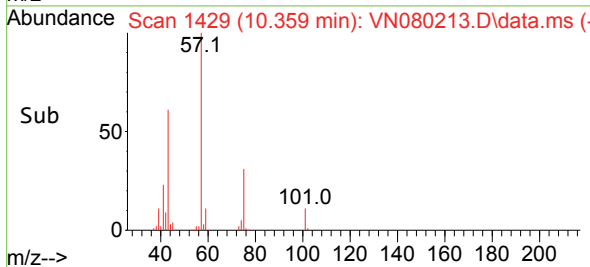
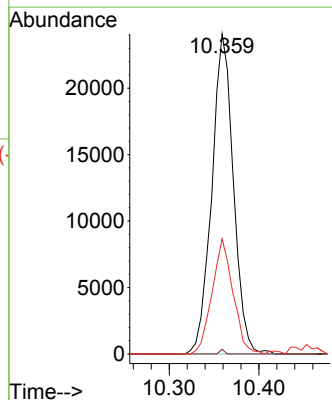
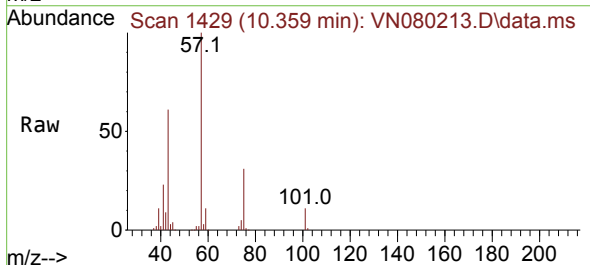
Instrument :
MSVOA_N
ClientSampleId :

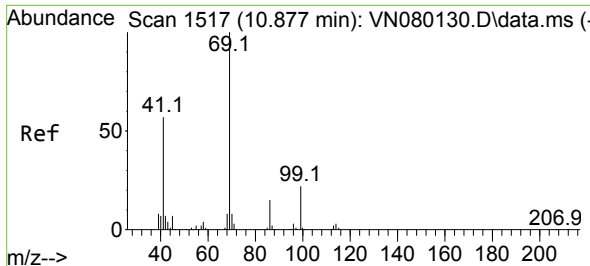
Tgt Ion: 43 Resp: 7311
Ion Ratio Lower Upper
43 100
58 28.7 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 12.208 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

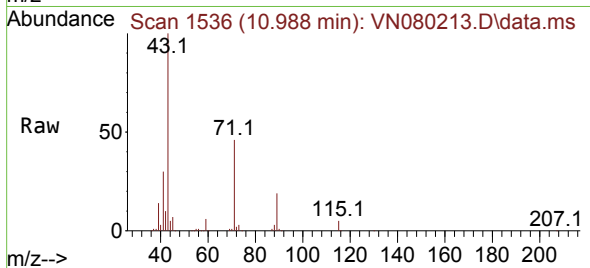
Tgt Ion: 75 Resp: 40198
Ion Ratio Lower Upper
75 100
77 1.4 26.1 39.1#
39 36.0 31.6 47.4



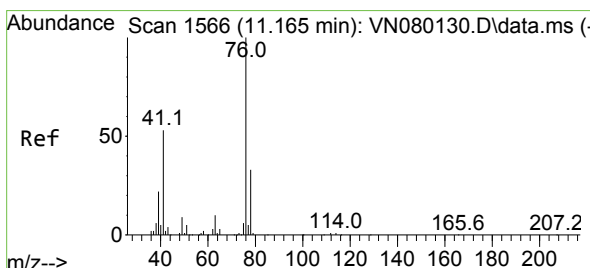
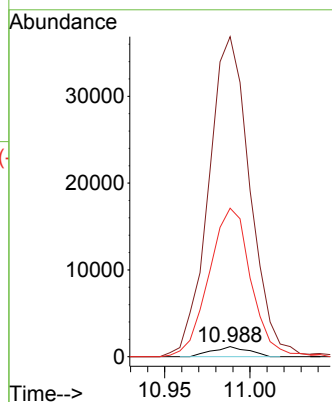
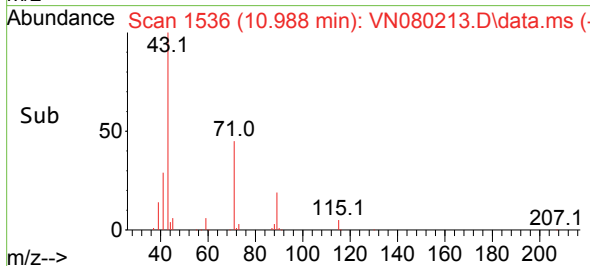


#56
Ethyl methacrylate
Concen: 0.872 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Instrument :
MSVOA_N
ClientSampleId :

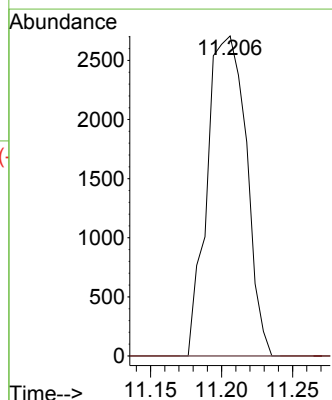
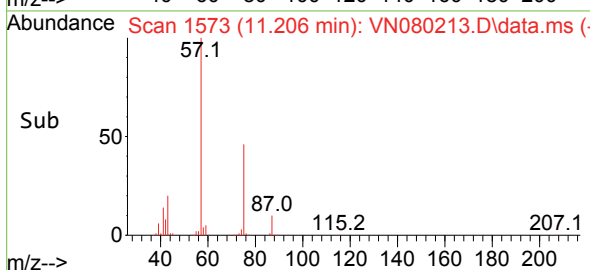
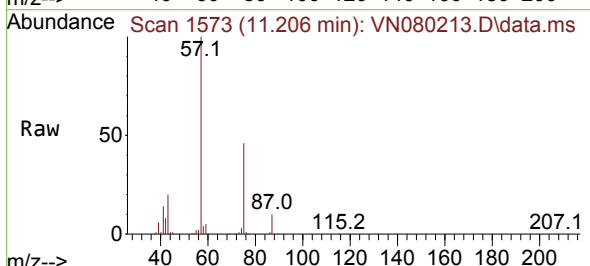


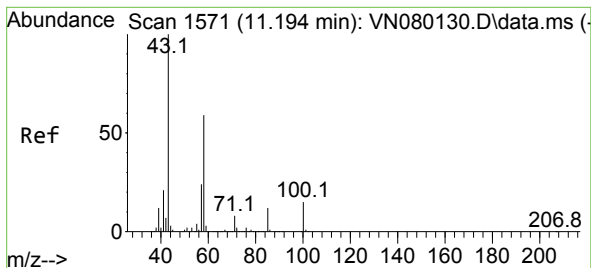
Tgt Ion: 69 Resp: 1724
Ion Ratio Lower Upper
69 100
41 3621.1 39.6 59.4#
39 1708.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.531 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

Tgt Ion: 76 Resp: 5176
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

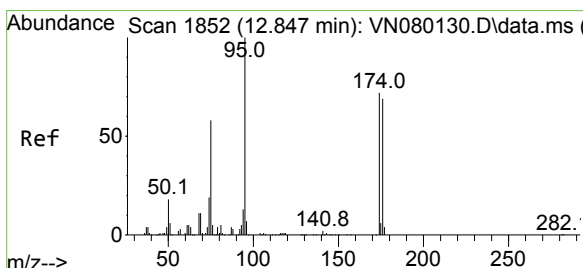
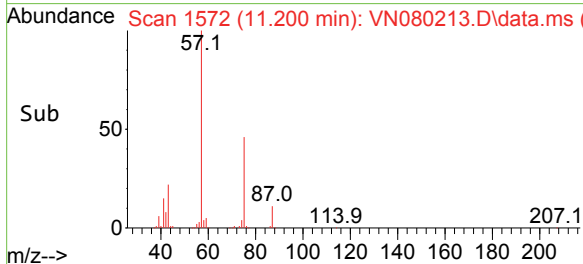
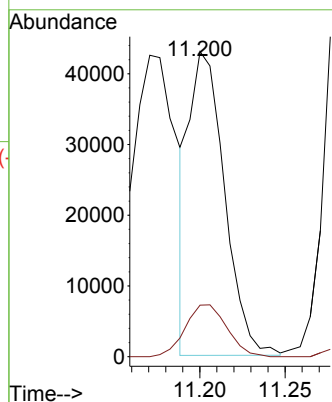
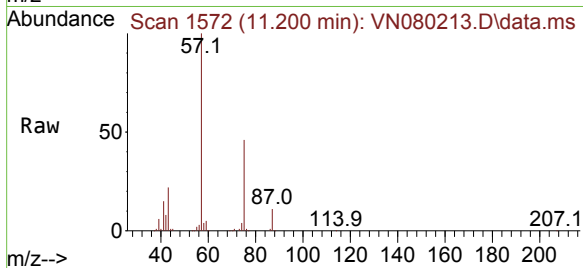




#59
2-Hexanone
Concen: 38.779 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

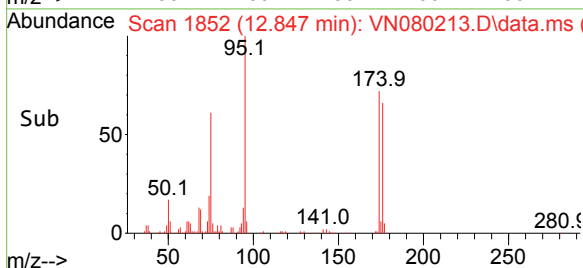
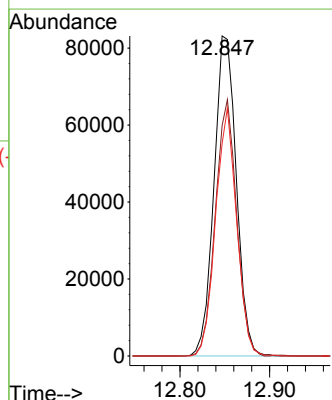
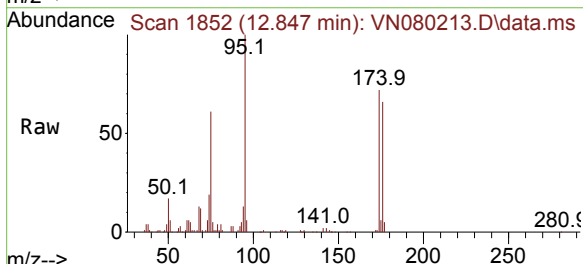
Instrument :
MSVOA_N
ClientSampleId :

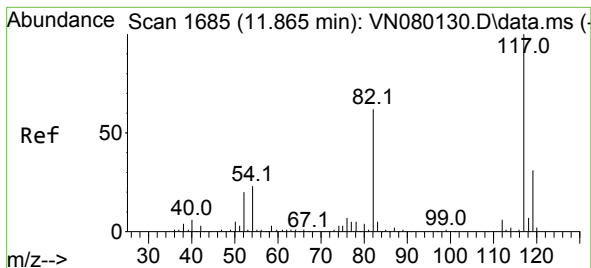
Tgt Ion: 43 Resp: 62114
Ion Ratio Lower Upper
43 100
58 20.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.530 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

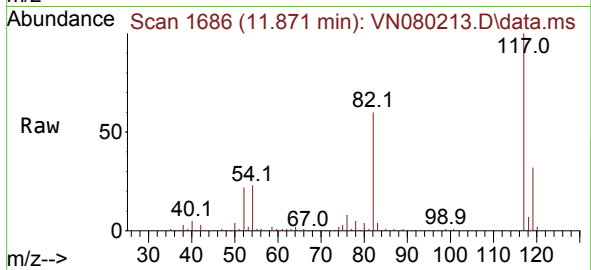
Tgt Ion: 95 Resp: 143597
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 72.9 0.0 135.8



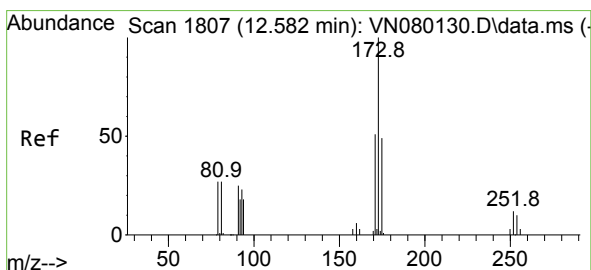
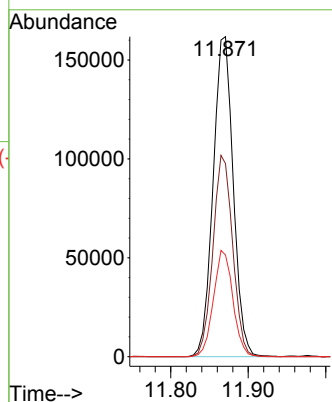
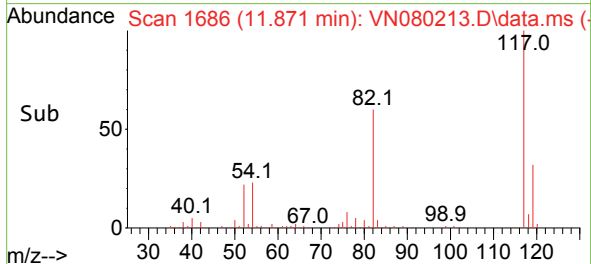


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23

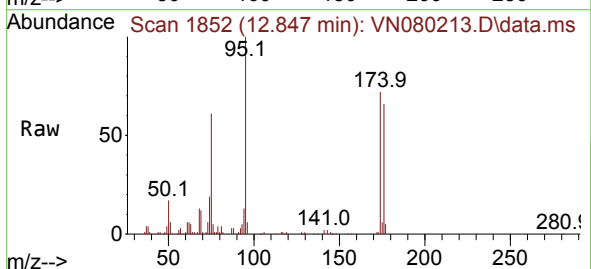
Instrument :
MSVOA_N
ClientSampleId :



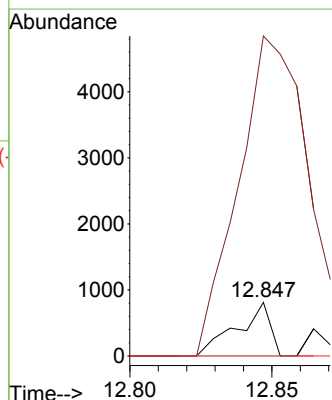
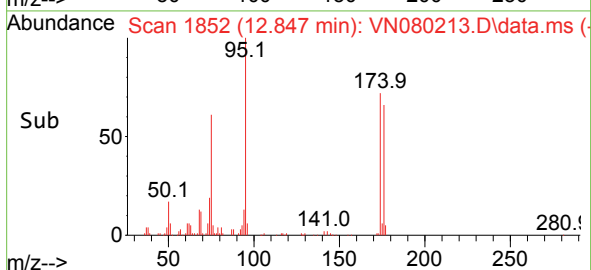
Tgt Ion:117 Resp: 291735
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 31.8 25.6 38.4

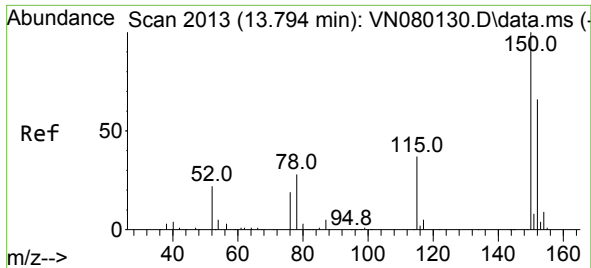


#71
Bromoform
Concen: 0.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080213.D
Acq: 20 Nov 2023 17:23



Tgt Ion:173 Resp: 663
Ion Ratio Lower Upper
173 100
175 1053.4 24.3 73.0#
254 0.0 0.0 0.0

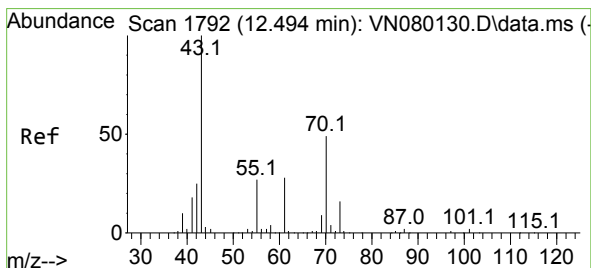
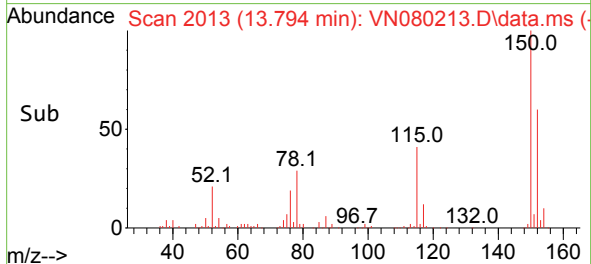
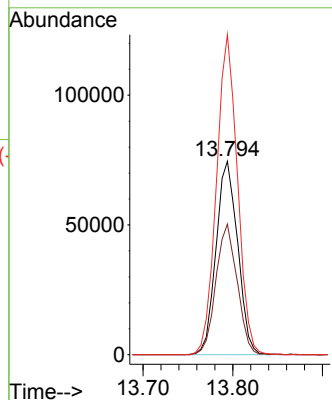
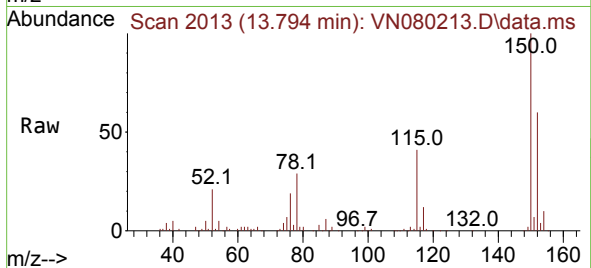




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080213.D
 Acq: 20 Nov 2023 17:23

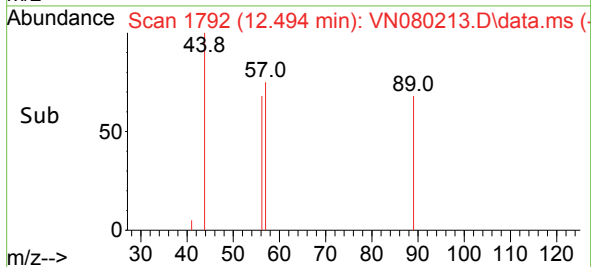
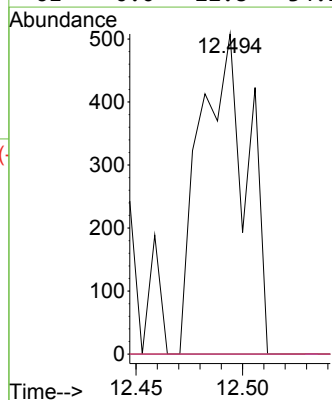
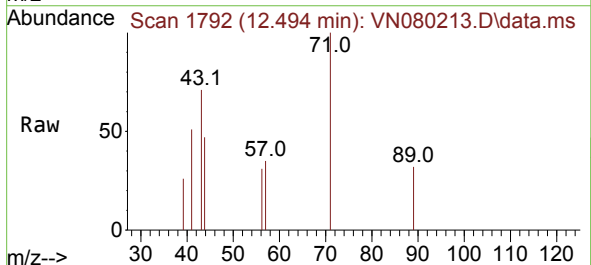
Instrument :
 MSVOA_N
 ClientSampleId :

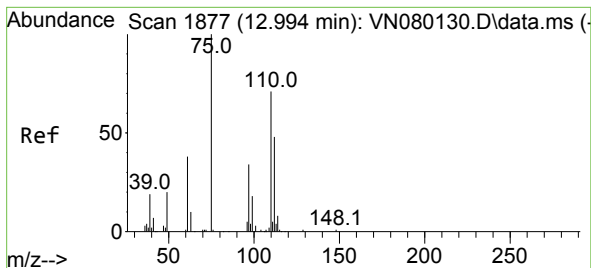
Tgt Ion:152 Resp: 124777
 Ion Ratio Lower Upper
 152 100
 115 66.4 32.3 96.8
 150 160.3 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.260 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VN080213.D
 Acq: 20 Nov 2023 17:23

Tgt Ion: 43 Resp: 787
 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: 28.080 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080213.D

Acq: 20 Nov 2023 17:23

Instrument :

MSVOA_N

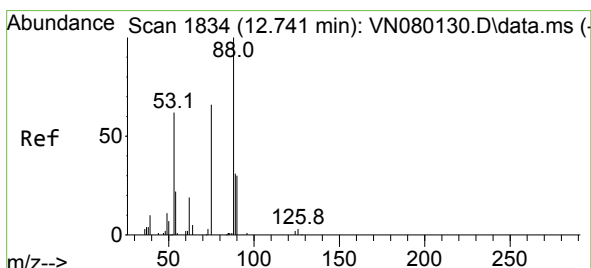
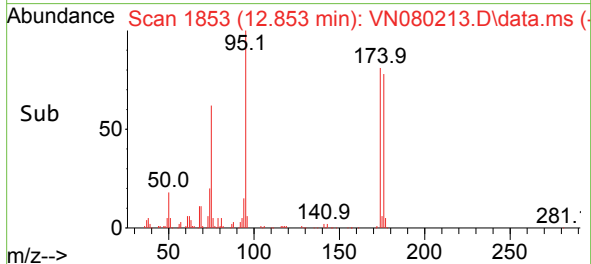
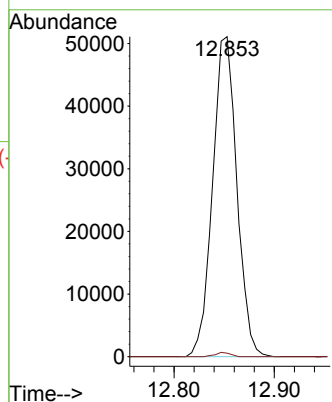
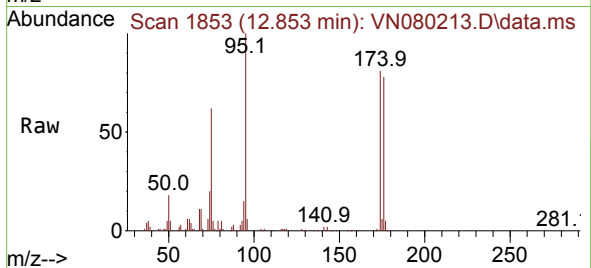
ClientSampleId :

Tgt Ion: 75 Resp: 85847

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.870 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080213.D

Acq: 20 Nov 2023 17:23

Tgt Ion: 75 Resp: 85847

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

