

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080411.D
 Acq On : 08 Dec 2023 17:09
 Operator : JC\MD
 Sample : 05729-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:42:42 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

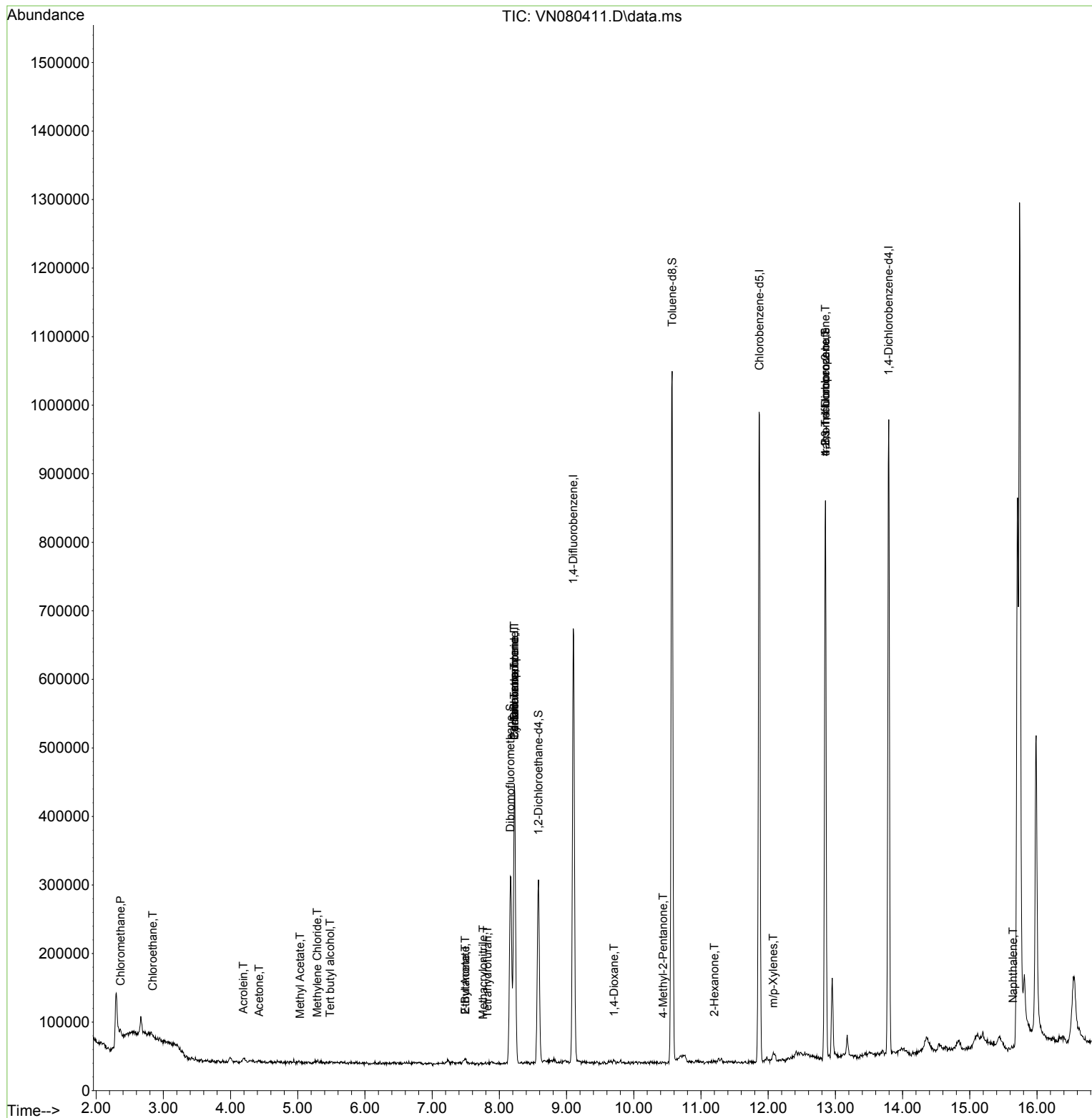
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	287523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	552594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	559245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	227676	47.957	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.920%
35) Dibromofluoromethane	8.165	113	201029	49.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.600%
50) Toluene-d8	10.571	98	722949	49.186	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.853	95	300504	54.128	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	7000	2.174	ug/l	93
6) Chloroethane	2.842	64	5169	1.261	ug/l #	43
11) Tert butyl alcohol	5.483	59	220	0.421	ug/l #	1
13) Acrolein	4.189	56	9963	21.564	ug/l #	75
16) Acetone	4.424	43	4243	2.661	ug/l #	84
18) Methyl Acetate	5.036	43	4910	0.958	ug/l #	83
20) Methylene Chloride	5.289	84	1076	0.322	ug/l #	61
25) 2-Butanone	7.494	43	12007	6.338	ug/l	88
29) Tetrahydrofuran	7.824	42	461	0.453	ug/l #	30
31) Cyclohexane	8.224	56	7251	1.404	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	24088	4.080	ug/l #	48
37) Ethyl Acetate	7.494	43	12007	2.932	ug/l #	64
38) Carbon Tetrachloride	8.224	117	31962	4.267	ug/l #	16
41) Methacrylonitrile	7.759	41	970	0.431	ug/l #	15
49) 1,4-Dioxane	9.706	88	1899	27.798	ug/l #	91
51) 4-Methyl-2-Pentanone	10.435	43	893	0.216	ug/l #	71
59) 2-Hexanone	11.200	43	1502	0.453	ug/l	73
68) m/p-Xylenes	12.076	106	5007	0.609	ug/l	88
76) 1,2,3-Trichloropropane	12.853	75	158668	25.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	158668	86.364	ug/l #	15
95) Naphthalene	15.647	128	3151	0.218	ug/l #	87

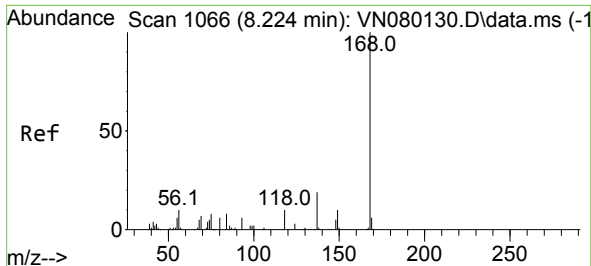
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

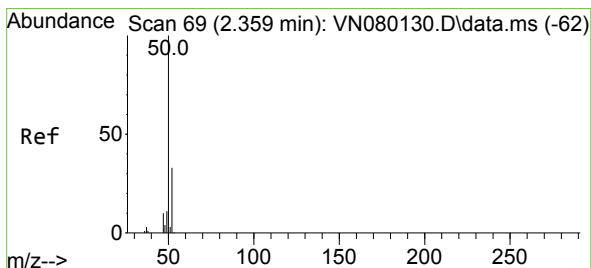
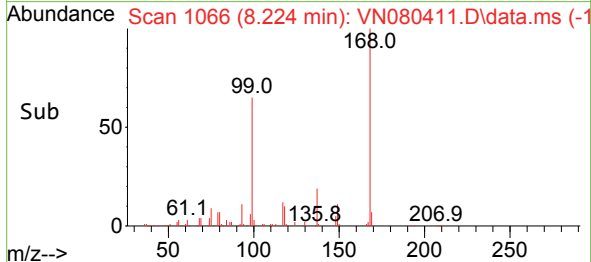
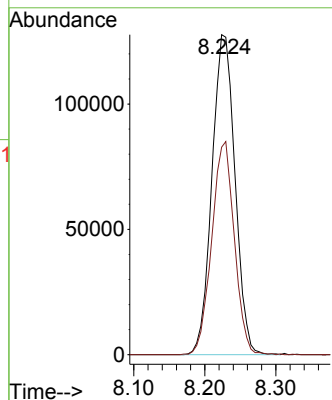
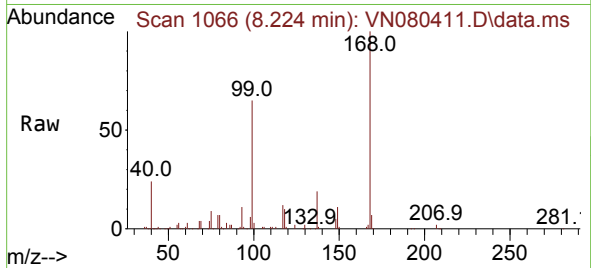




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

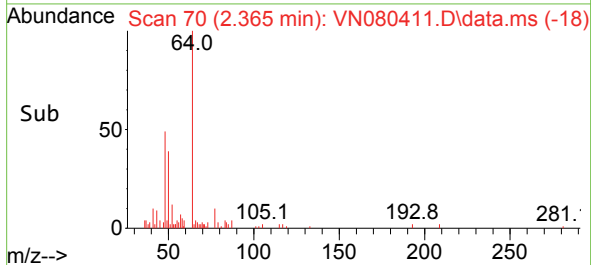
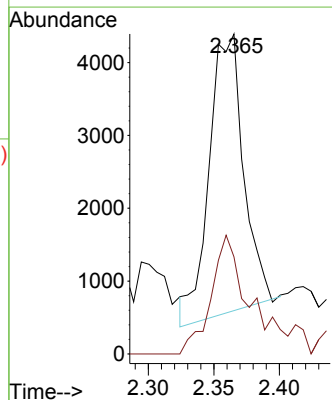
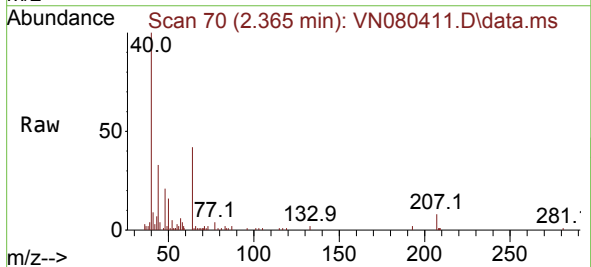
Instrument :
MSVOA_N
ClientSampleId :

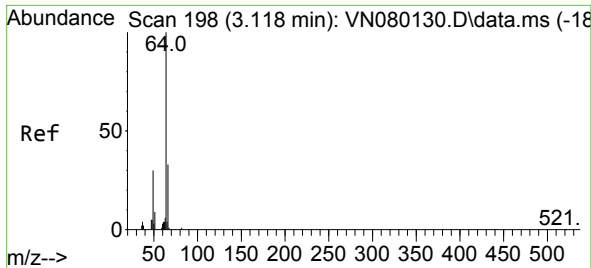
Tgt Ion:168 Resp: 287523
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#3
Chloromethane
Concen: 2.174 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 50 Resp: 7000
Ion Ratio Lower Upper
50 100
52 37.0 26.5 39.7

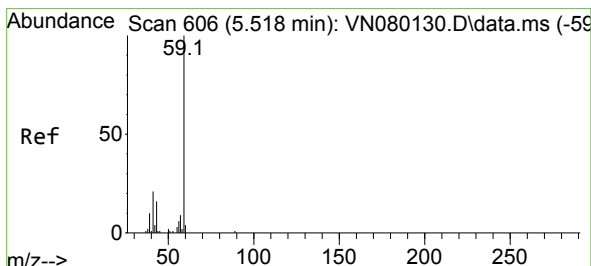
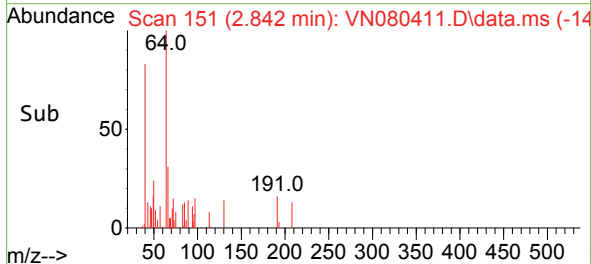
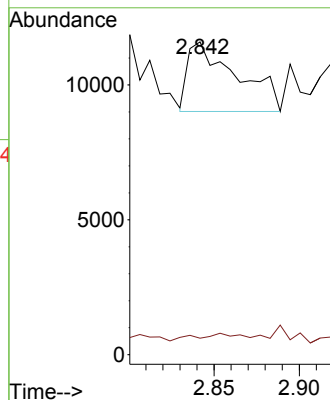
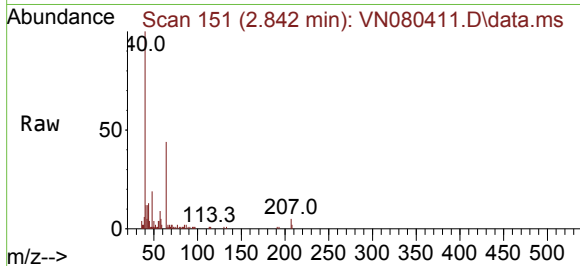




#6
Chloroethane
Concen: 1.261 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.276 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

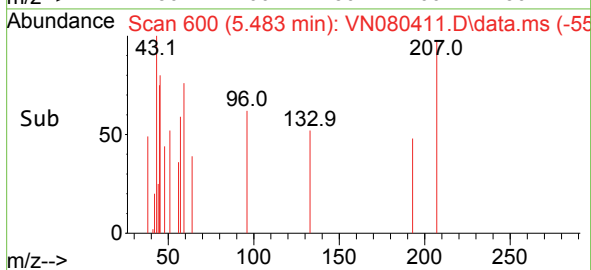
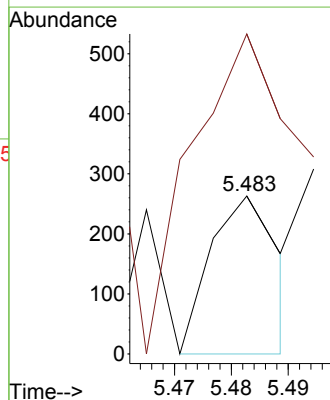
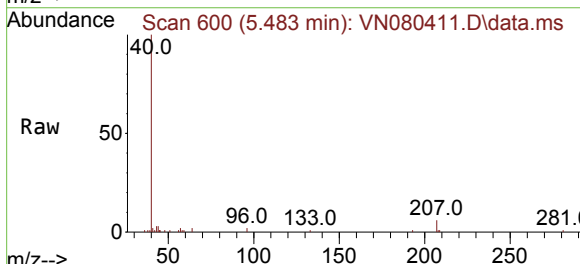
Instrument :
MSVOA_N
ClientSampleId :

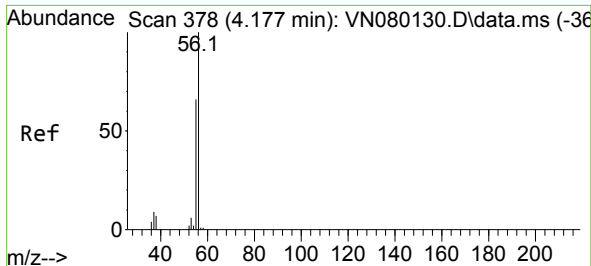
Tgt Ion: 64 Resp: 5169
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.421 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.035 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 361.8 8.2 12.4#





#13

Acrolein

Concen: 21.564 ug/l

RT: 4.189 min Scan# 30

Delta R.T. 0.012 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

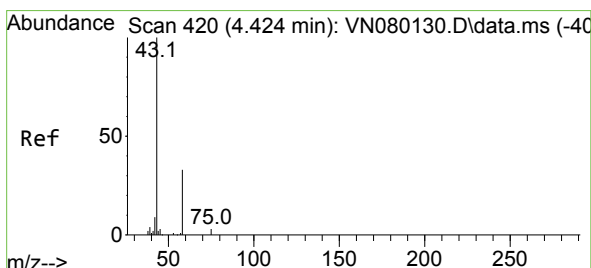
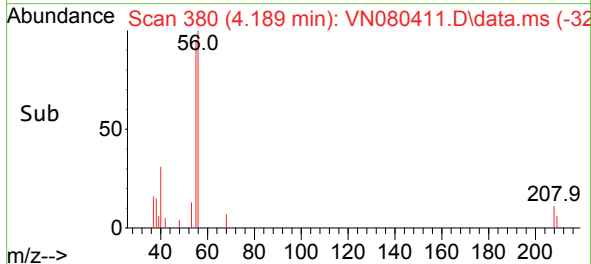
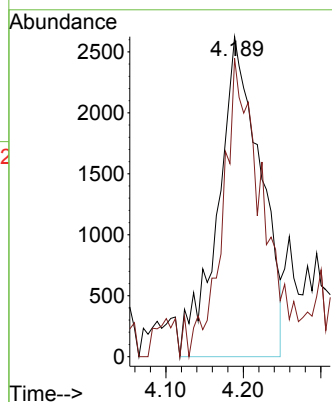
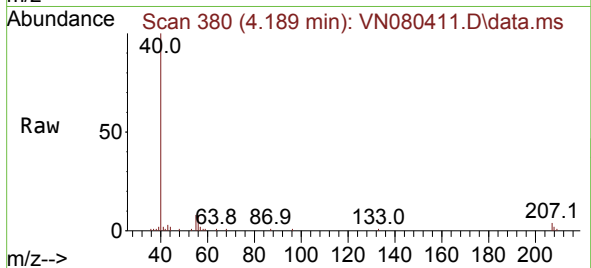
ClientSampleId :

Tgt Ion: 56 Resp: 9963

Ion Ratio Lower Upper

56 100

55 88.1 54.5 81.7#



#16

Acetone

Concen: 2.661 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN080411.D

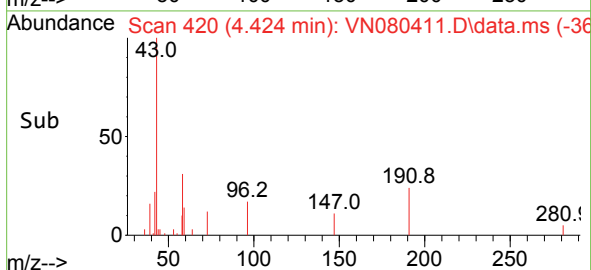
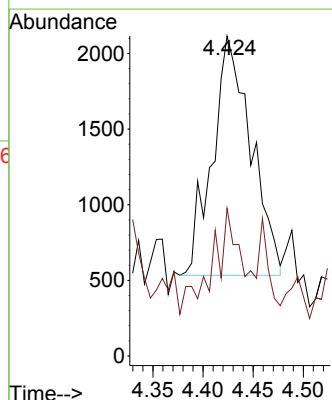
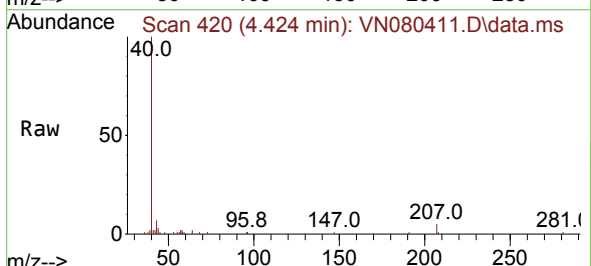
Acq: 08 Dec 2023 17:09

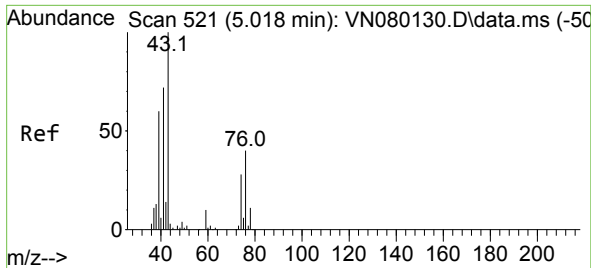
Tgt Ion: 43 Resp: 4243

Ion Ratio Lower Upper

43 100

58 44.2 28.0 42.0#





#18

Methyl Acetate

Concen: 0.958 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

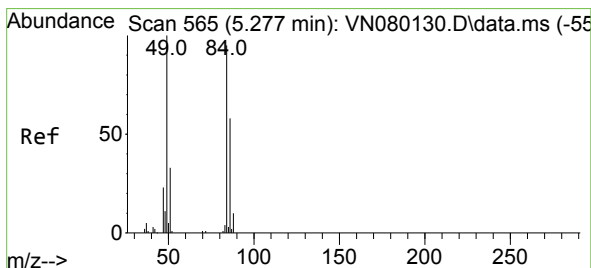
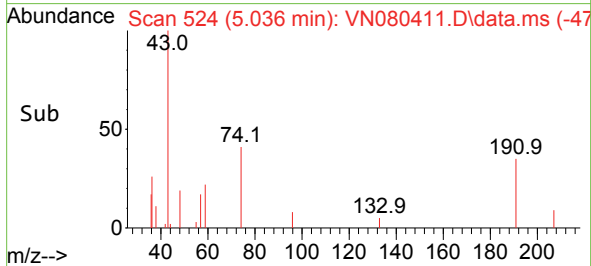
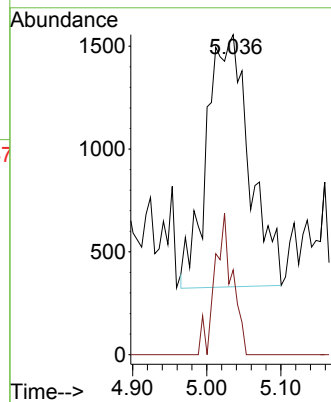
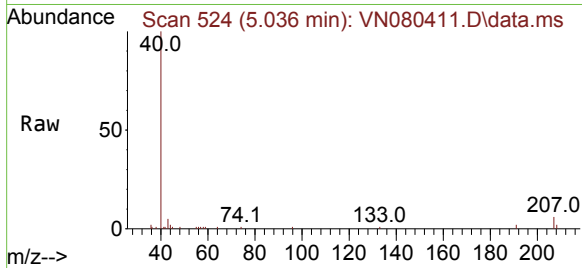
ClientSampleId :

Tgt Ion: 43 Resp: 4910

Ion Ratio Lower Upper

43 100

74 23.2 26.2 39.4#



#20

Methylene Chloride

Concen: 0.322 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.012 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Tgt Ion: 84 Resp: 1076

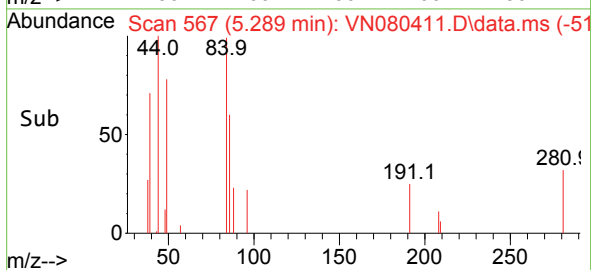
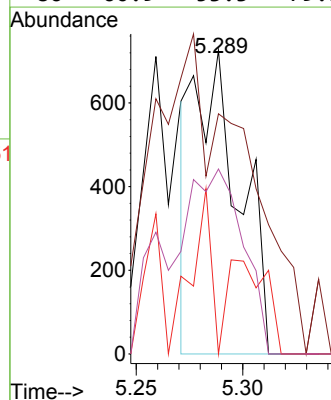
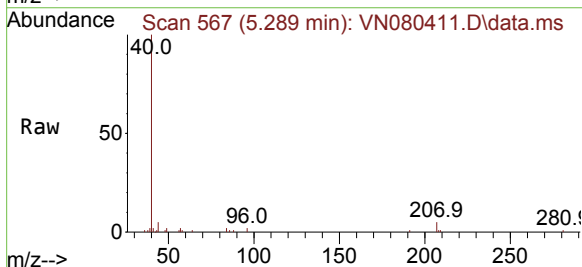
Ion Ratio Lower Upper

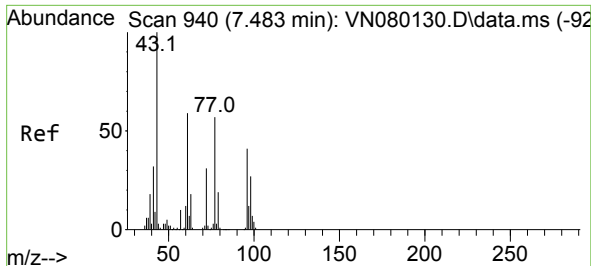
84 100

49 45.2 79.7 119.5#

51 0.0 25.2 37.8#

86 60.9 53.3 79.9





#25

2-Butanone

Concen: 6.338 ug/l

RT: 7.494 min Scan# 940

Delta R.T. 0.012 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

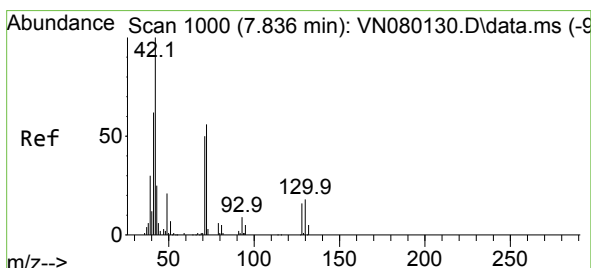
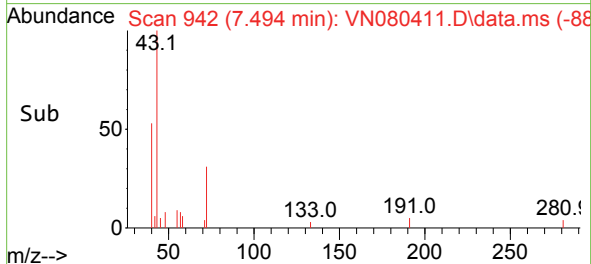
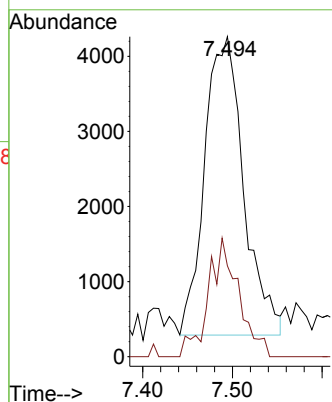
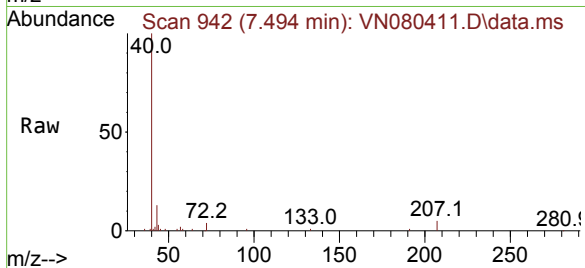
ClientSampleId :

Tgt Ion: 43 Resp: 12007

Ion Ratio Lower Upper

43 100

72 30.5 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.453 ug/l

RT: 7.824 min Scan# 998

Delta R.T. -0.012 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

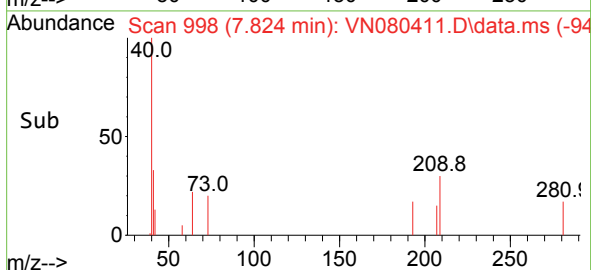
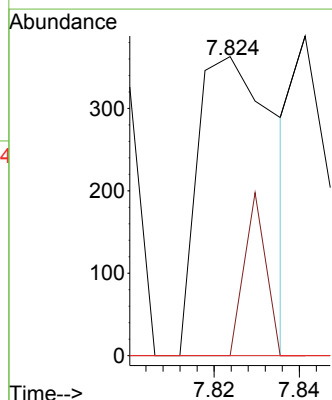
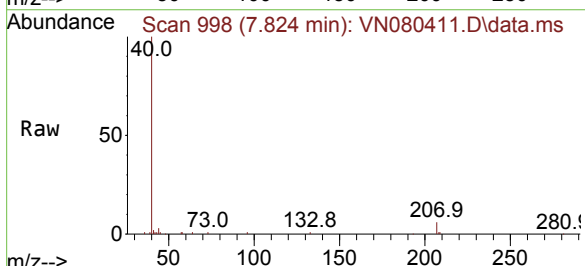
Tgt Ion: 42 Resp: 461

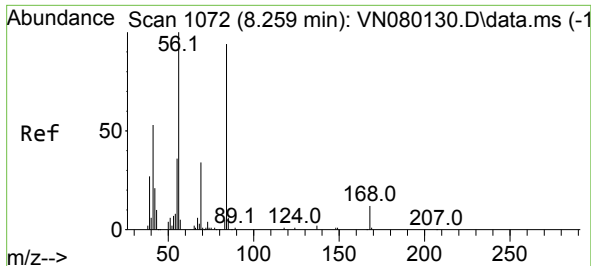
Ion Ratio Lower Upper

42 100

72 15.2 49.8 74.6#

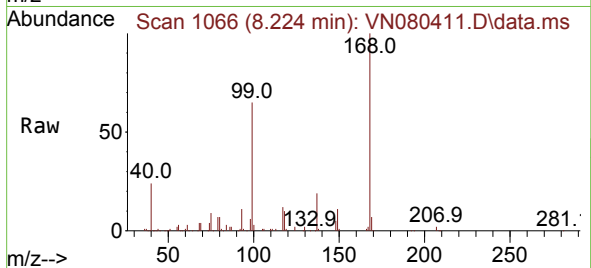
71 0.0 47.4 71.2#



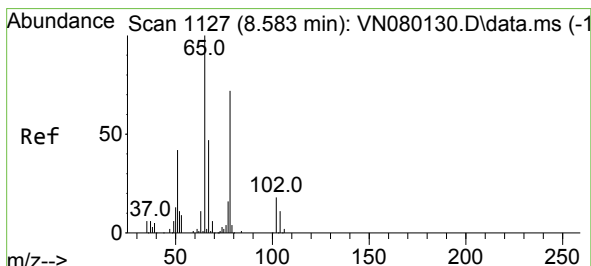
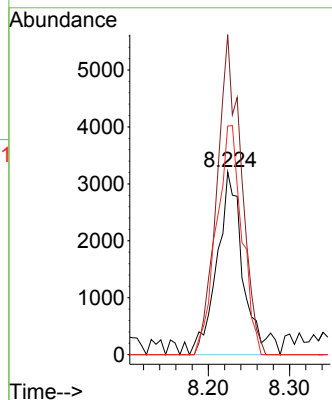
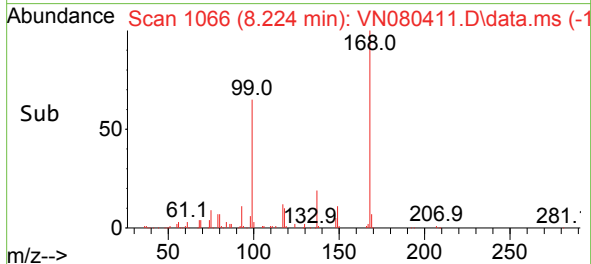


#31
Cyclohexane
Concen: 1.404 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

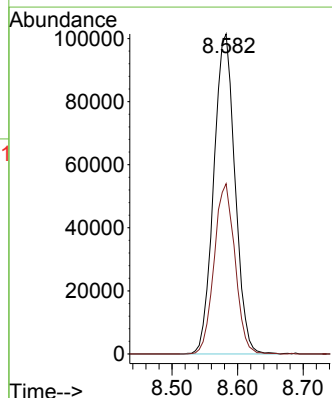
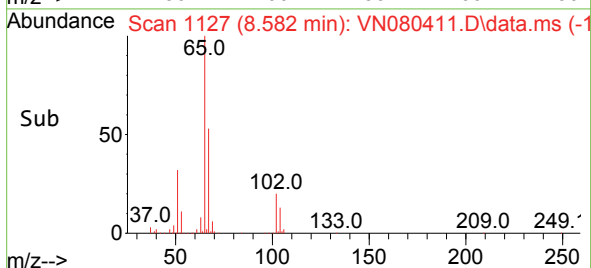
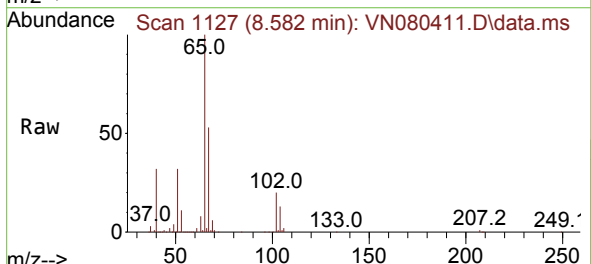


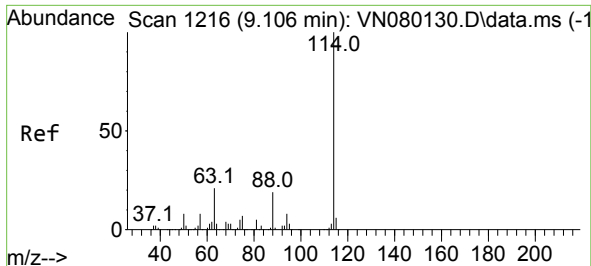
Tgt Ion: 56 Resp: 7251
Ion Ratio Lower Upper
56 100
69 175.1 26.8 40.2#
84 125.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.957 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 65 Resp: 227676
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

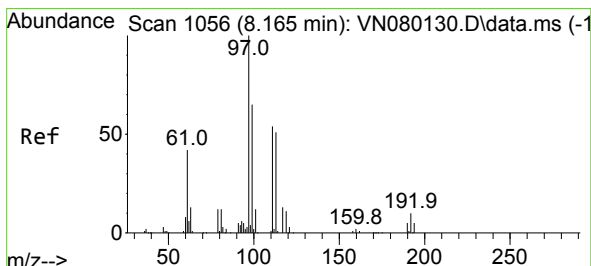
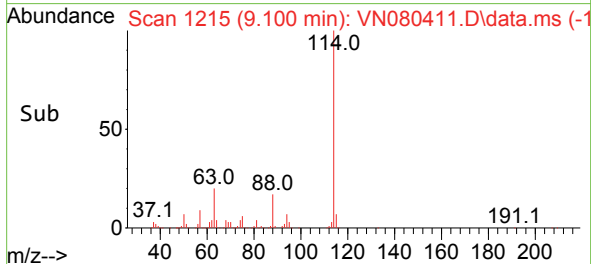
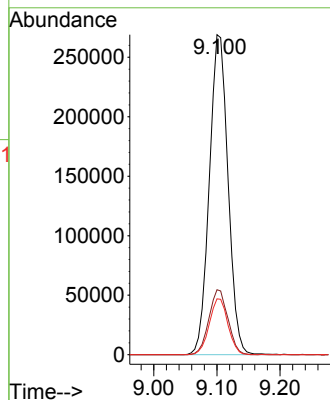
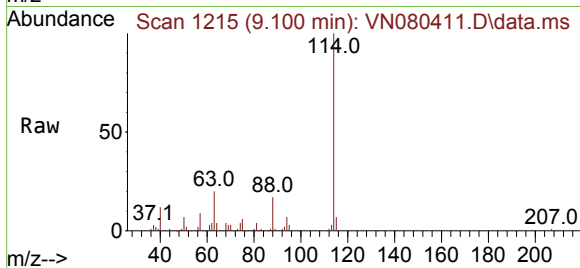
Tgt Ion:114 Resp: 552594

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 17.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.303 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

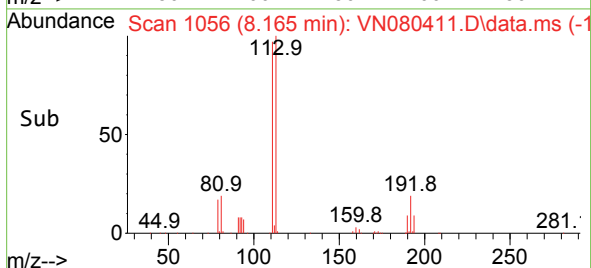
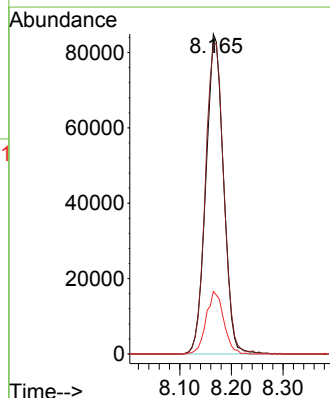
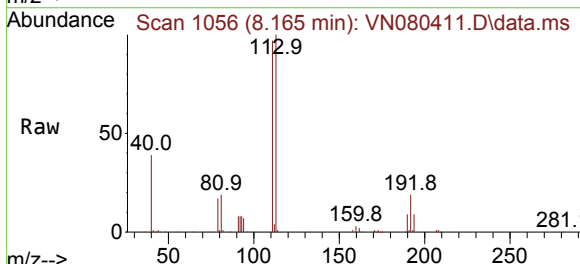
Tgt Ion:113 Resp: 201029

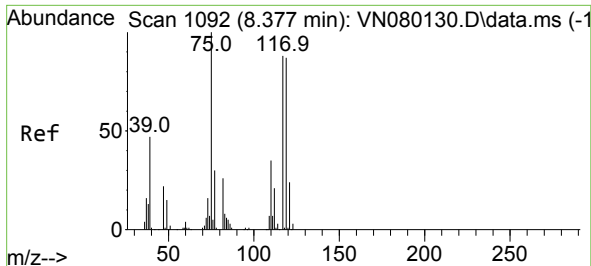
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 19.5 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.080 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

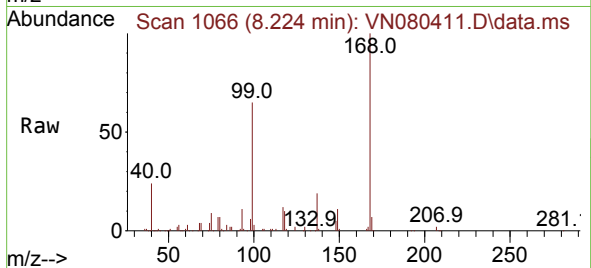
Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :



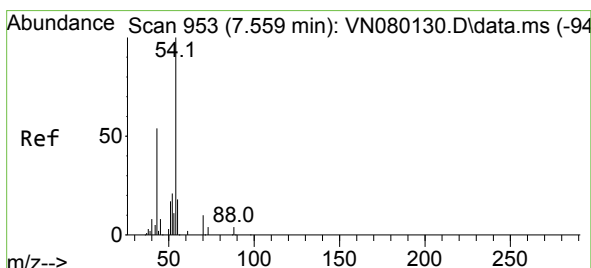
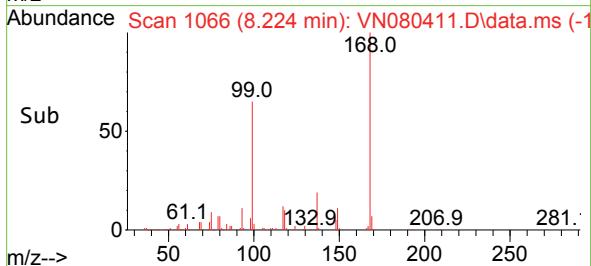
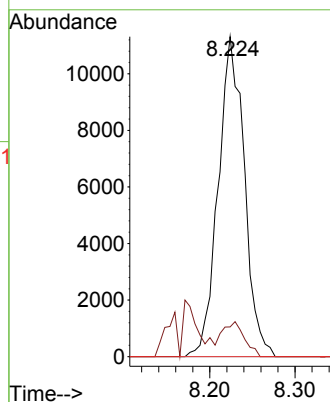
Tgt Ion: 75 Resp: 24088

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 2.932 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

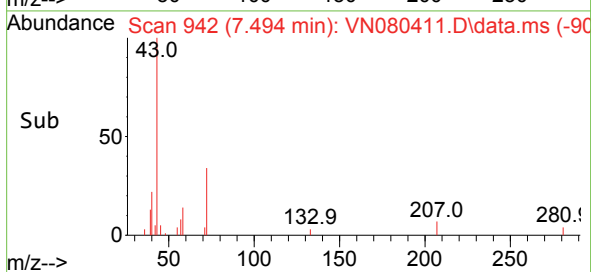
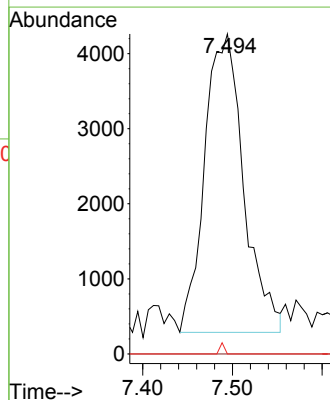
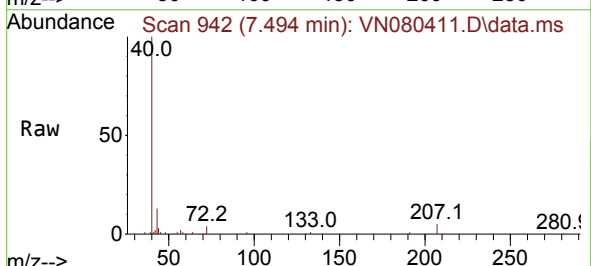
Tgt Ion: 43 Resp: 12007

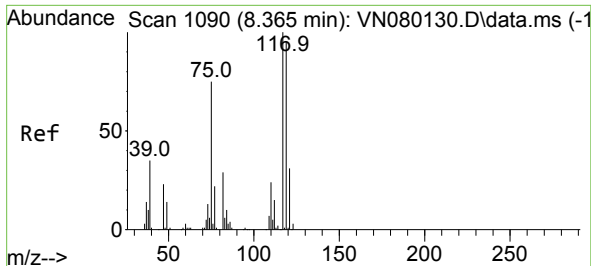
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

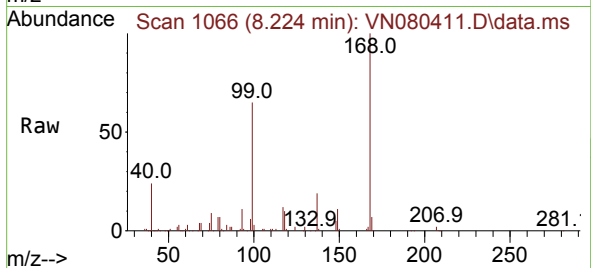
70 0.4 11.3 16.9#



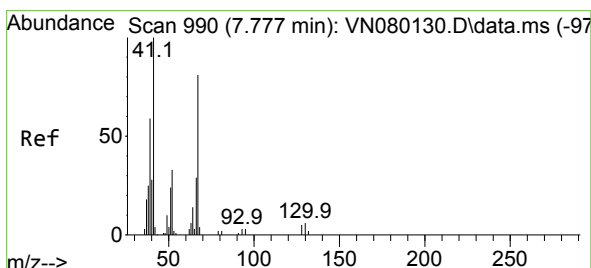
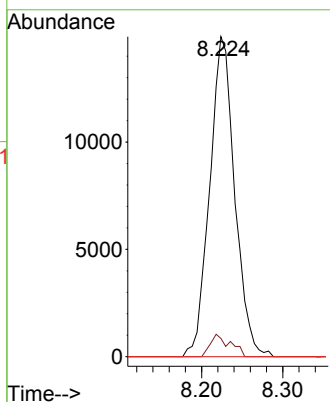
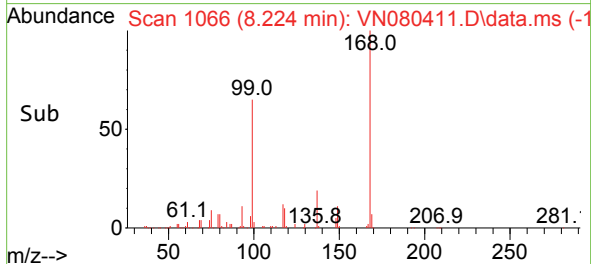


#38
Carbon Tetrachloride
Concen: 4.267 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

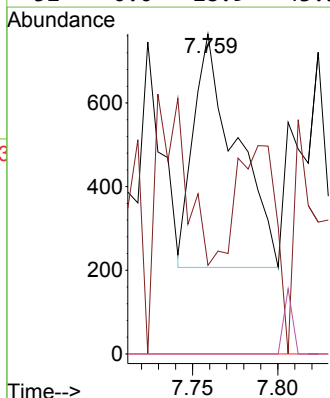
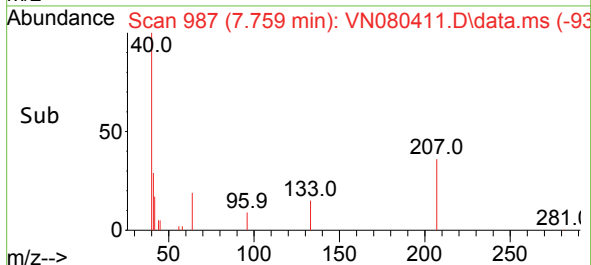
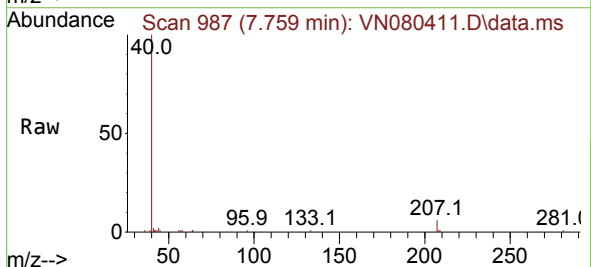


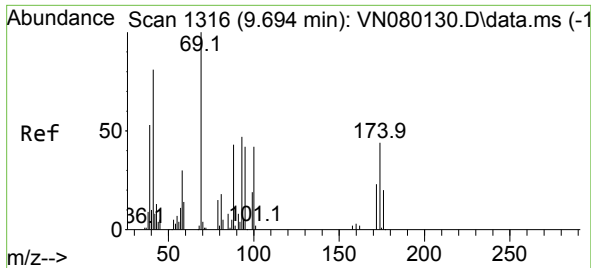
Tgt Ion:117 Resp: 31962
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.431 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.018 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 41 Resp: 970
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#49

1,4-Dioxane

Concen: 27.798 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

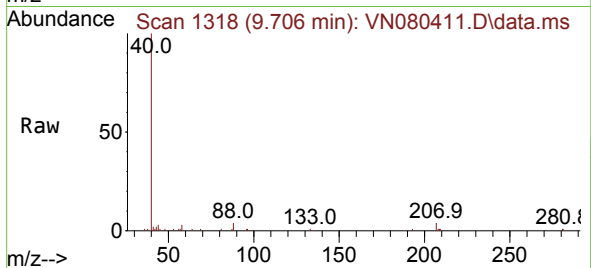
Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :



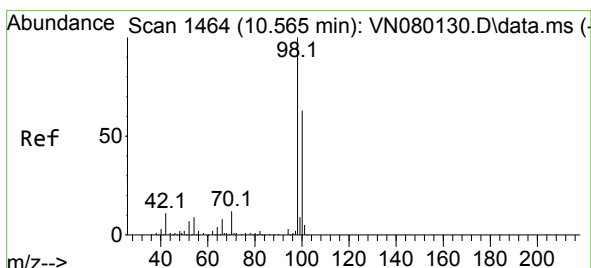
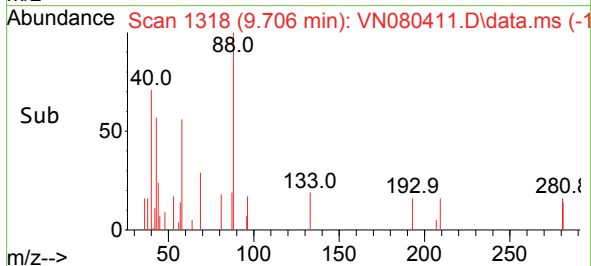
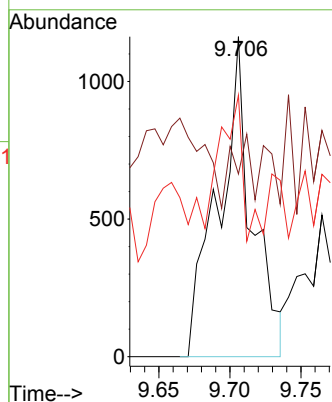
Tgt Ion: 88 Resp: 1899

Ion Ratio Lower Upper

88 100

43 12.5 17.0 25.6#

58 54.4 47.0 70.4



#50

Toluene-d8

Concen: 49.186 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080411.D

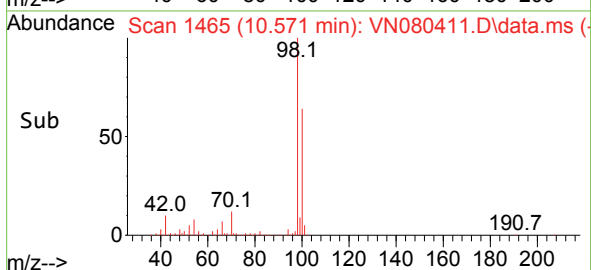
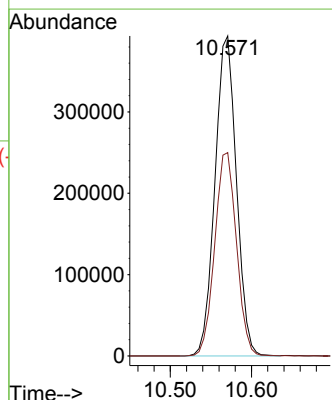
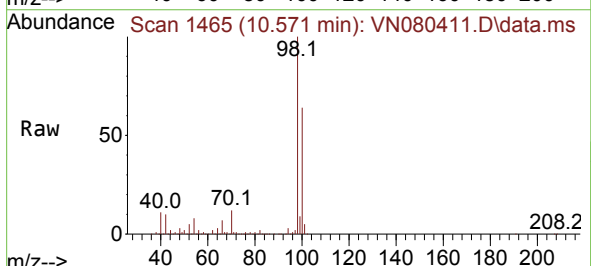
Acq: 08 Dec 2023 17:09

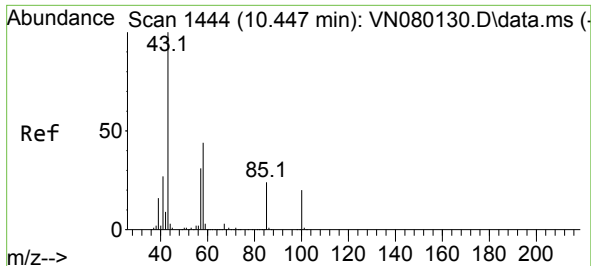
Tgt Ion: 98 Resp: 722949

Ion Ratio Lower Upper

98 100

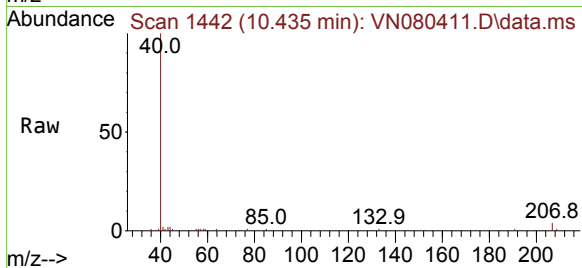
100 64.5 52.0 78.0



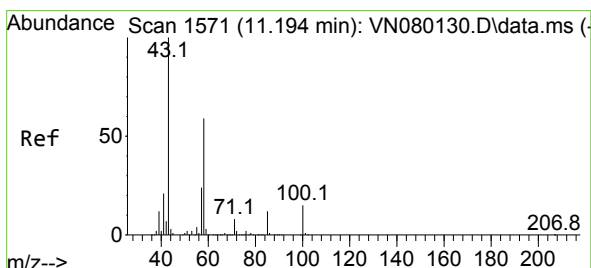
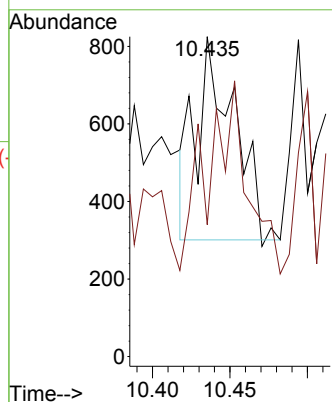
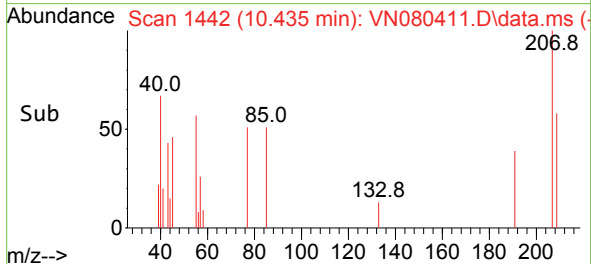


#51
4-Methyl-2-Pentanone
Concen: 0.216 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.012 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

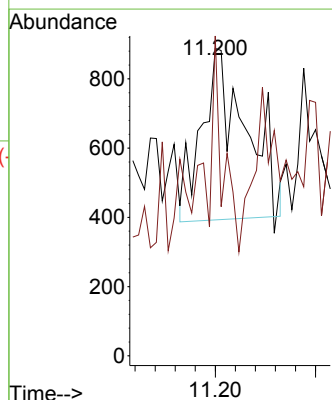
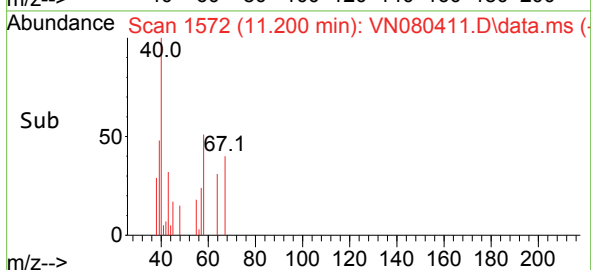
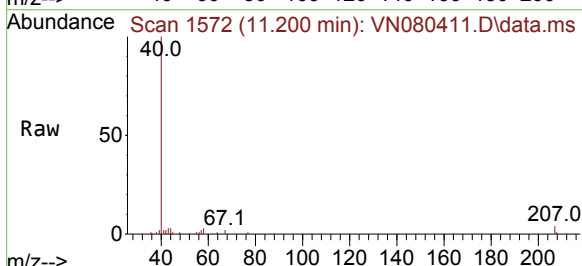


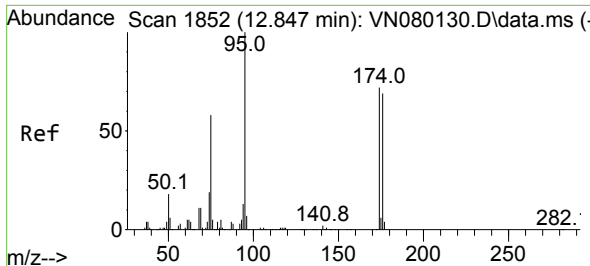
Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
58 26.7 36.6 54.8#



#59
2-Hexanone
Concen: 0.453 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 42.1 31.7 95.1

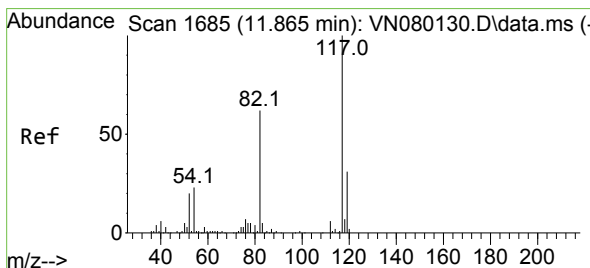
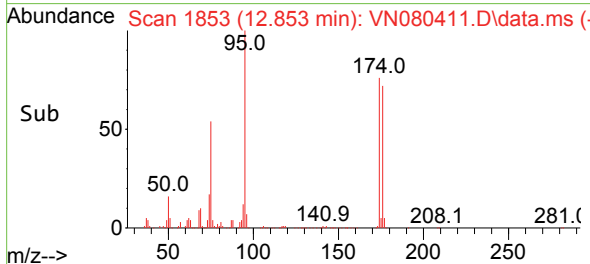
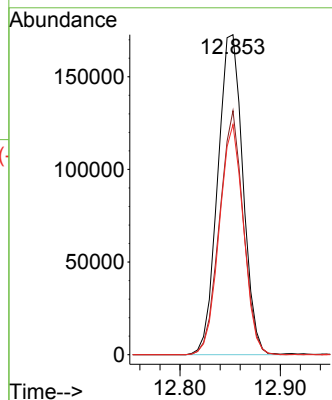
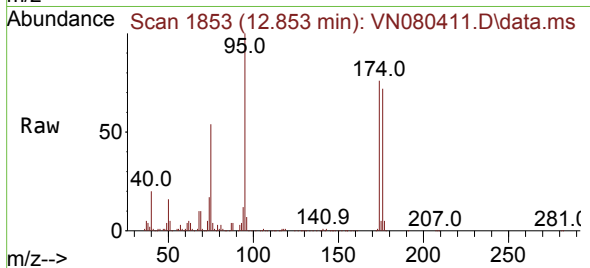




#62
4-Bromofluorobenzene
Concen: 54.128 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

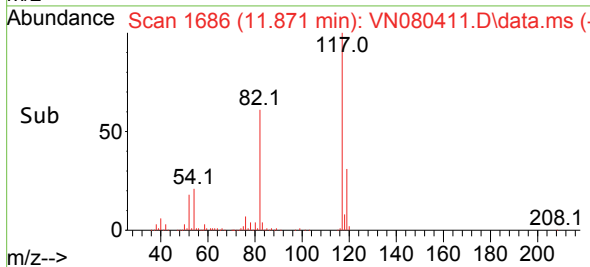
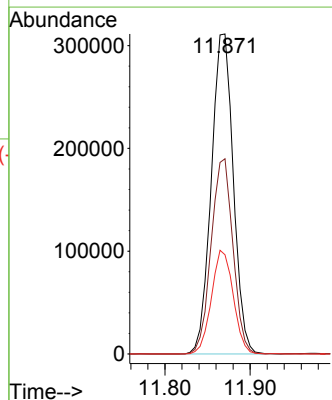
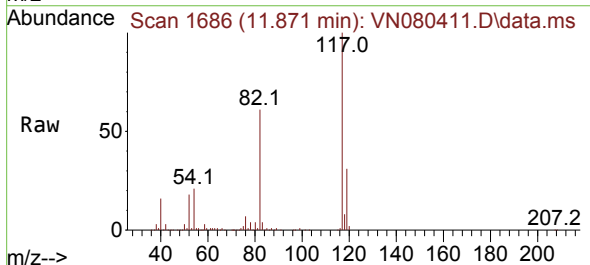
Instrument :
MSVOA_N
ClientSampleId :

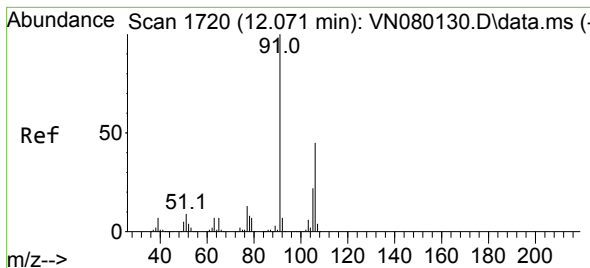
Tgt Ion: 95 Resp: 300504
Ion Ratio Lower Upper
95 100
174 72.1 0.0 143.8
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

Tgt Ion: 117 Resp: 559245
Ion Ratio Lower Upper
117 100
82 61.0 44.0 66.0
119 31.0 25.6 38.4





#68

m/p-Xylenes

Concen: 0.609 ug/l

RT: 12.076 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

Instrument :

MSVOA_N

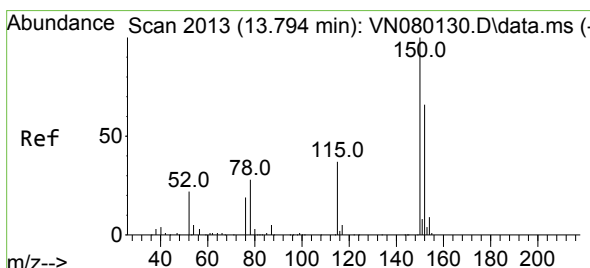
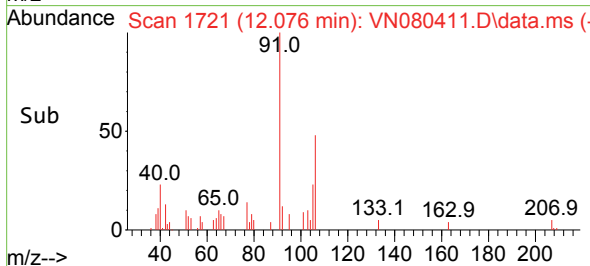
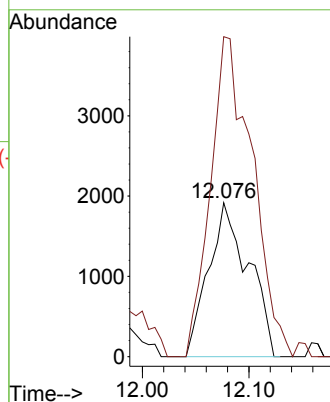
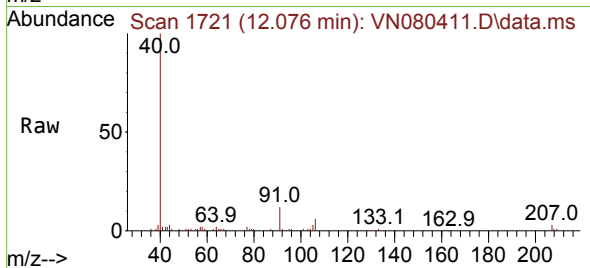
ClientSampleId :

Tgt Ion:106 Resp: 5007

Ion Ratio Lower Upper

106 100

91 217.7 159.6 239.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080411.D

Acq: 08 Dec 2023 17:09

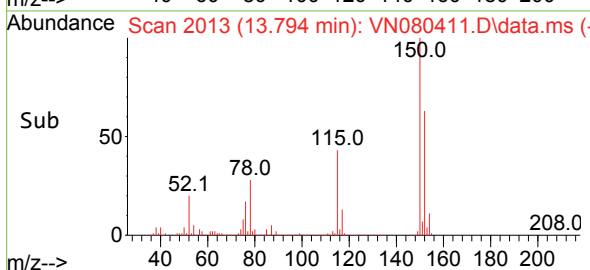
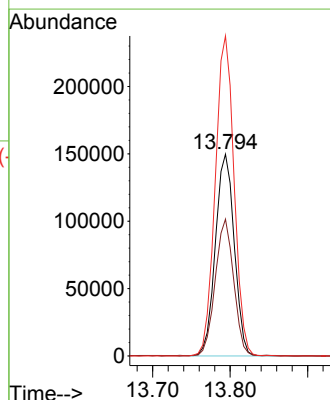
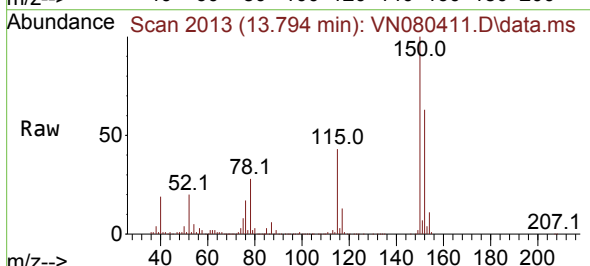
Tgt Ion:152 Resp: 253335

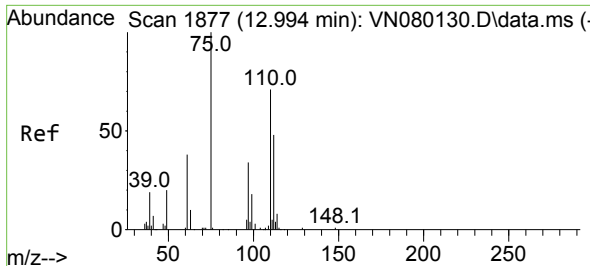
Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 157.7 0.0 355.8

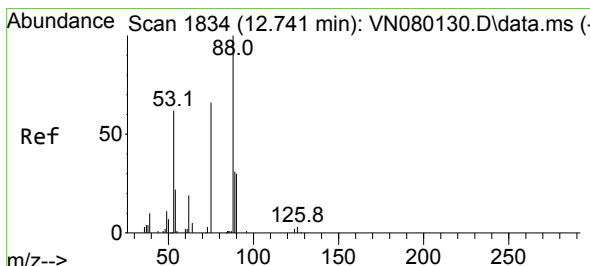
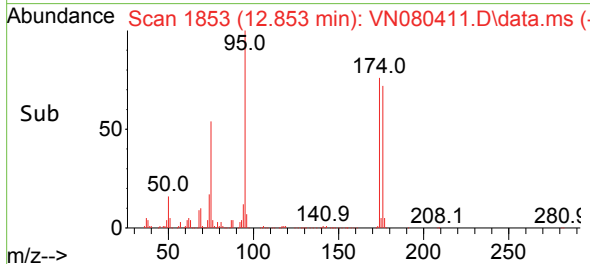
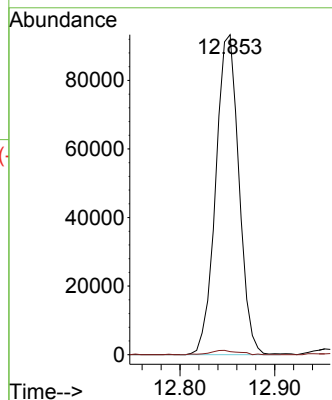
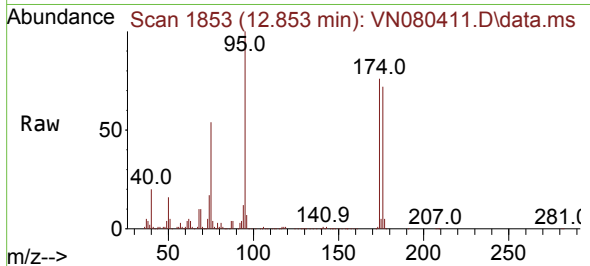




#76
1,2,3-Trichloropropane
Concen: 25.562 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

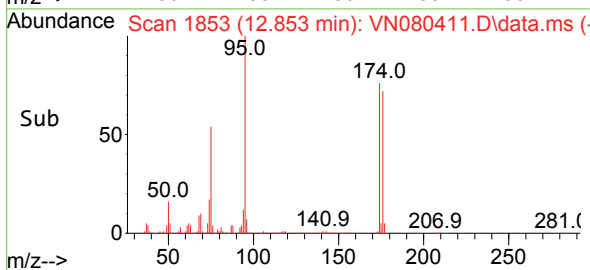
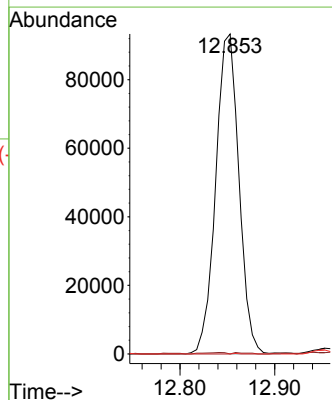
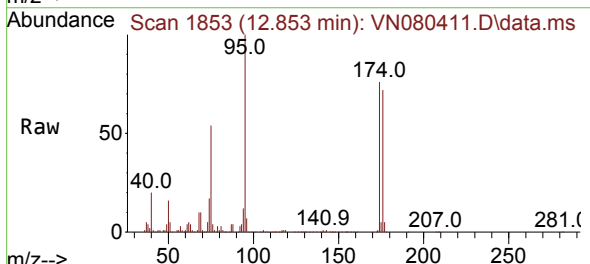
Instrument :
MSVOA_N
ClientSampleId :

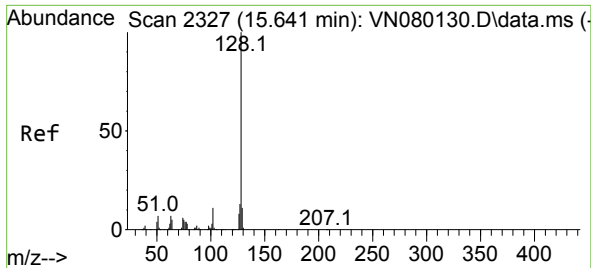
Tgt Ion: 75 Resp: 158668
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.364 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080411.D
Acq: 08 Dec 2023 17:09

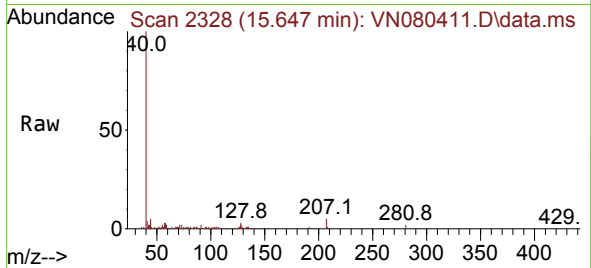
Tgt Ion: 75 Resp: 158668
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.218 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080411.D
 Acq: 08 Dec 2023 17:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	22.2	10.0	15.0
129	10.7	8.7	13.1

