

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080344.D
 Acq On : 04 Dec 2023 17:33
 Operator : JC\MD
 Sample : 05602-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:19:46 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

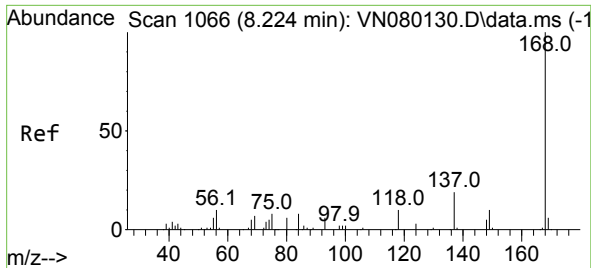
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	157355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143678	55.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.600%			
35) Dibromofluoromethane	8.165	113	112848	49.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	10.571	98	409314	50.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.240%			
62) 4-Bromofluorobenzene	12.853	95	159025	51.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.100%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	347	Below Cal	#	43
11) Tert butyl alcohol	5.536	59	155	0.542	ug/l #	72
16) Acetone	4.430	43	41316	47.345	ug/l #	88
18) Methyl Acetate	5.036	43	4005	1.428	ug/l #	60
20) Methylene Chloride	5.277	84	17053	9.331	ug/l #	92
25) 2-Butanone	7.489	43	8583	8.278	ug/l	89
31) Cyclohexane	8.224	56	3591	1.271	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	13301	4.055	ug/l #	48
37) Ethyl Acetate	7.571	43	2294	1.008	ug/l #	73
38) Carbon Tetrachloride	8.230	117	17945	4.311	ug/l #	19
43) Isopropyl Acetate	8.694	43	124901	28.210	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	899	0.415	ug/l #	45
48) Methyl methacrylate	9.671	41	2750	1.205	ug/l #	31
51) 4-Methyl-2-Pentanone	10.441	43	9509	4.148	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	37424	9.883	ug/l #	68
56) Ethyl methacrylate	10.982	69	1569	0.690	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4143	1.066	ug/l #	42
59) 2-Hexanone	11.171	43	82243	44.650	ug/l #	19
74) N-amyl acetate	12.482	43	1163	0.344	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	89712	26.251	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89712	88.692	ug/l #	15
95) Naphthalene	15.641	128	11597	1.460	ug/l	98

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

Quant Time: Dec 05 04:19:46 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

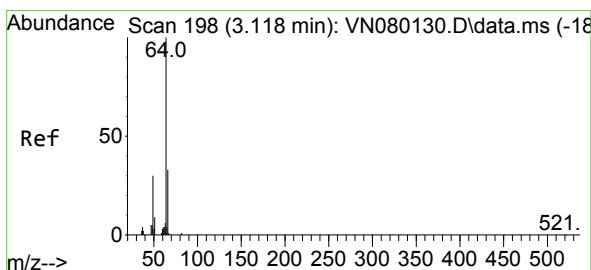
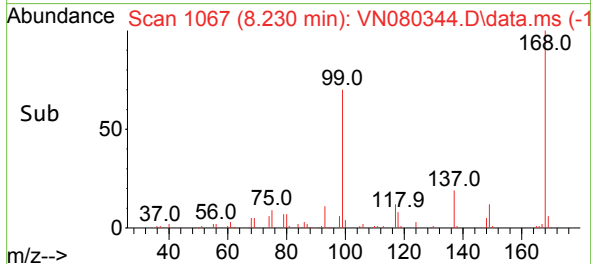
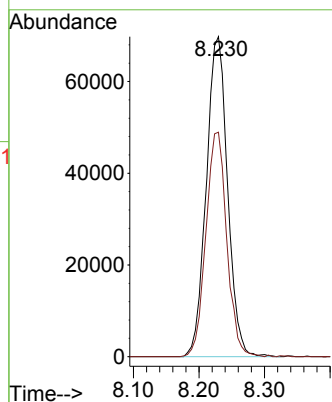
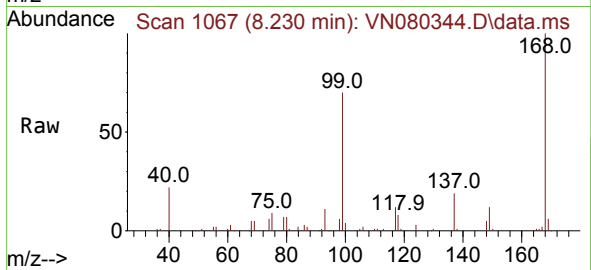




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

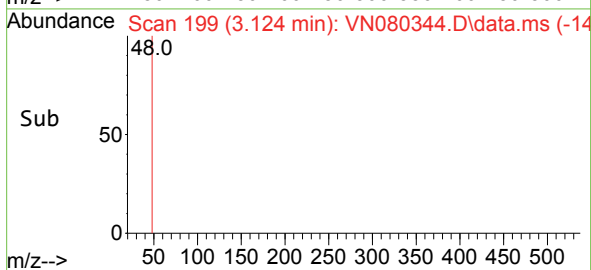
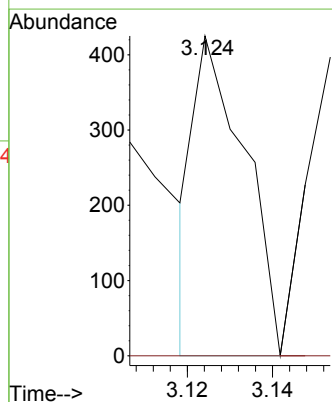
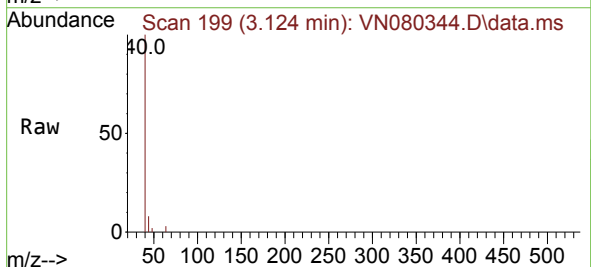
Instrument :
MSVOA_N
ClientSampleId :

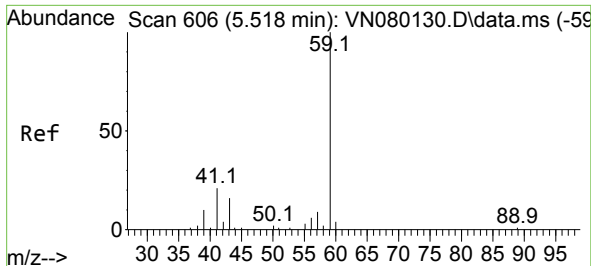
Tgt Ion:168 Resp: 157355
Ion Ratio Lower Upper
168 100
99 70.1 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

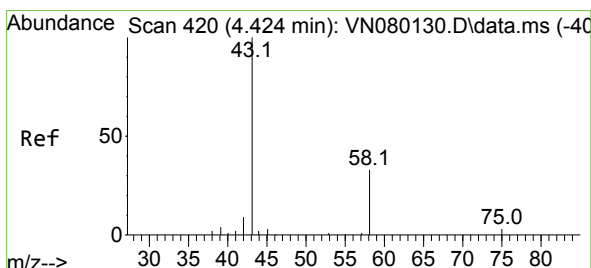
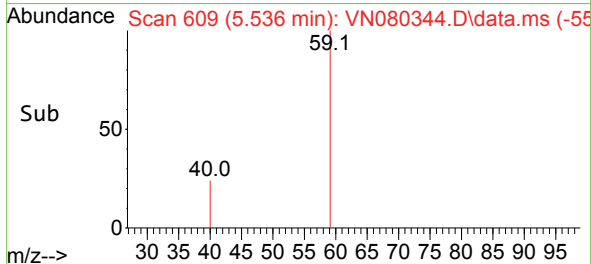
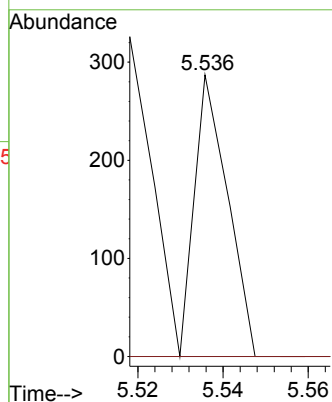
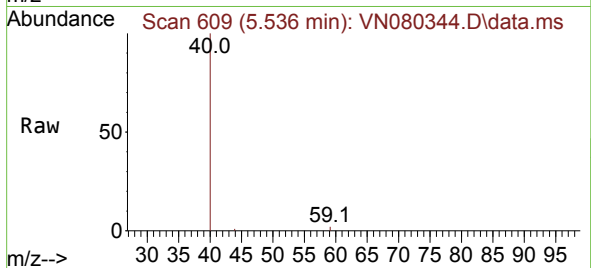




#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.536 min Scan# 606
Delta R.T. 0.018 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

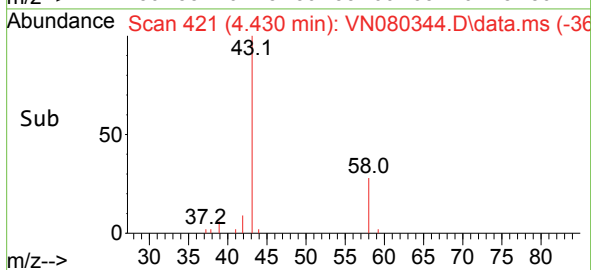
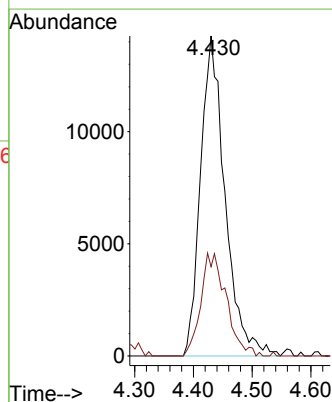
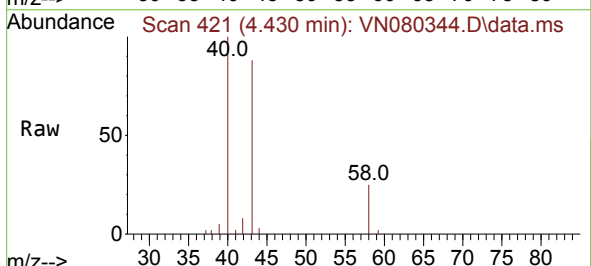
Instrument :
MSVOA_N
ClientSampleId :

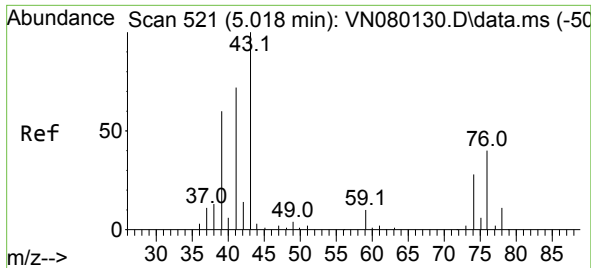
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 47.345 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 43 Resp: 41316
Ion Ratio Lower Upper
43 100
58 27.9 28.0 42.0#

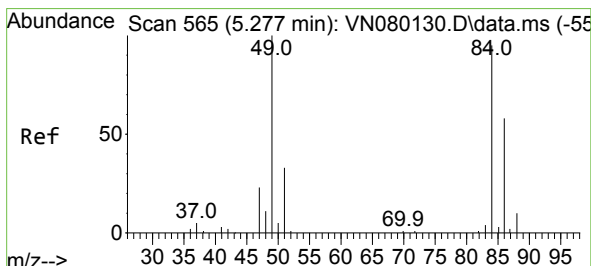
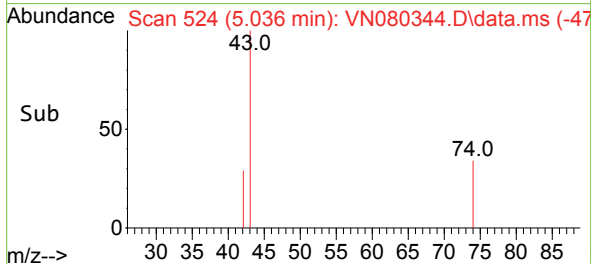
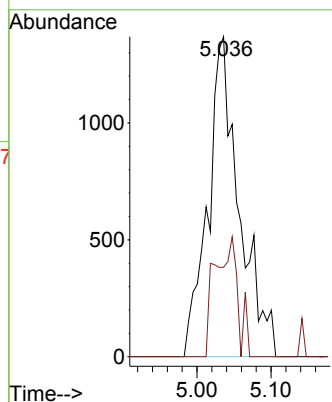
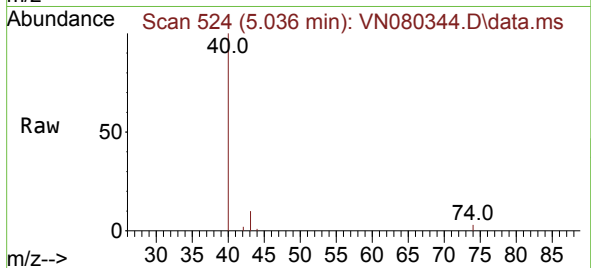




#18
Methyl Acetate
Concen: 1.428 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

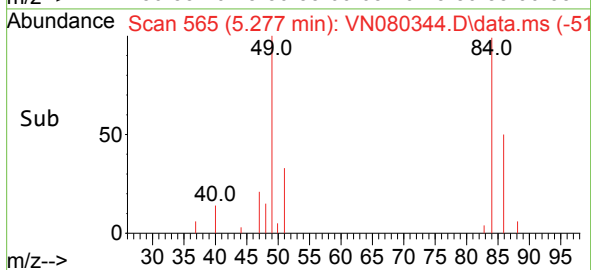
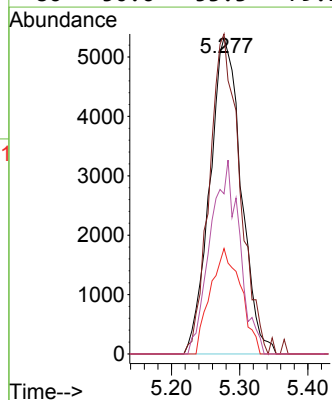
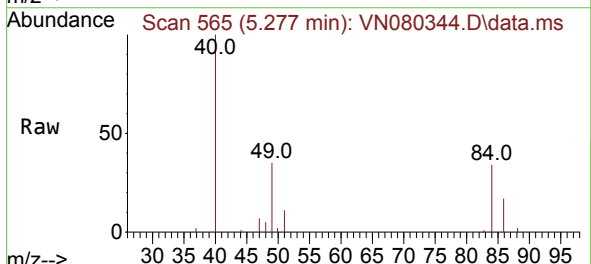
Instrument :
MSVOA_N
ClientSampleId :

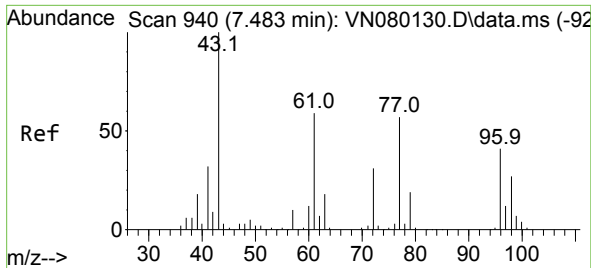
Tgt Ion: 43 Resp: 4005
Ion Ratio Lower Upper
43 100
74 10.4 26.2 39.4#



#20
Methylene Chloride
Concen: 9.331 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 84 Resp: 17053
Ion Ratio Lower Upper
84 100
49 101.2 79.7 119.5
51 33.4 25.2 37.8
86 50.6 53.3 79.9#

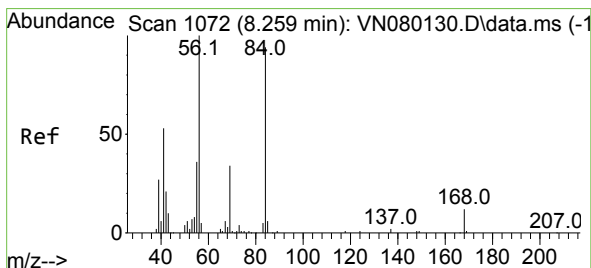
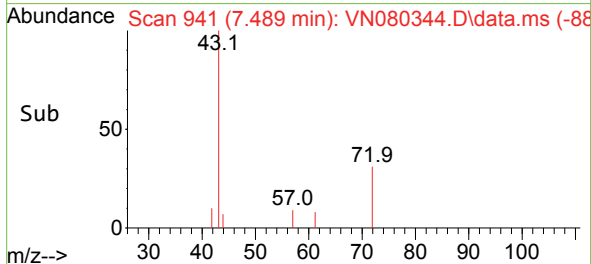
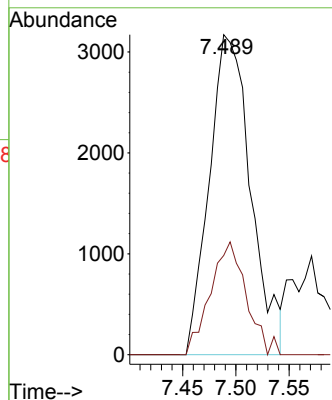
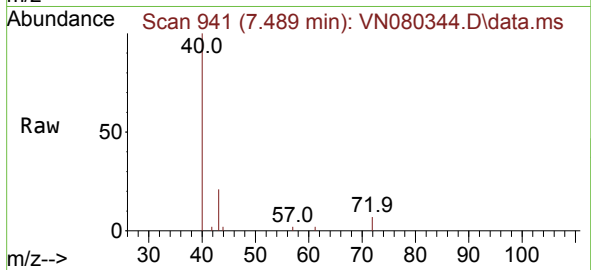




#25
2-Butanone
Concen: 8.278 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

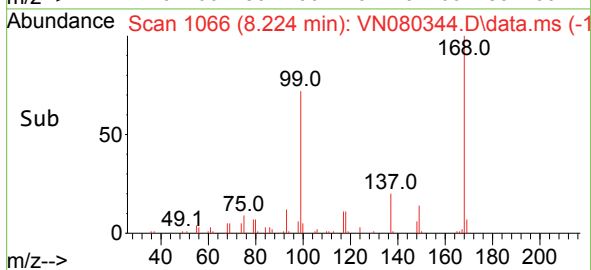
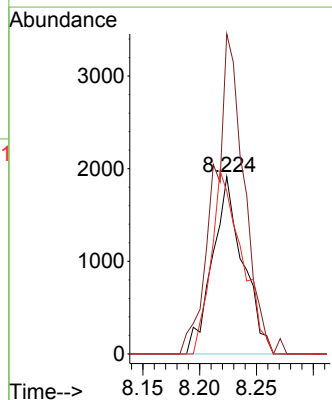
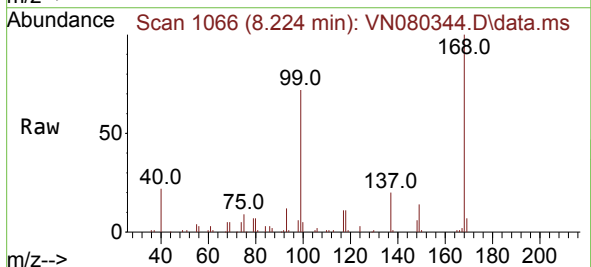
Instrument :
MSVOA_N
ClientSampleId :

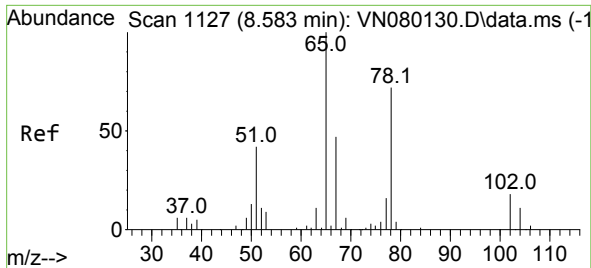
Tgt Ion: 43 Resp: 8583
Ion Ratio Lower Upper
43 100
72 31.0 30.2 45.2



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 56 Resp: 3591
Ion Ratio Lower Upper
56 100
69 180.5 26.8 40.2#
84 91.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 55.299 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

Instrument :

MSVOA_N

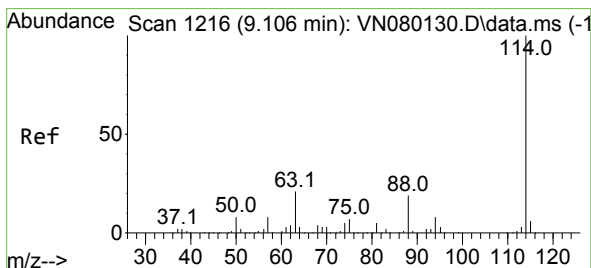
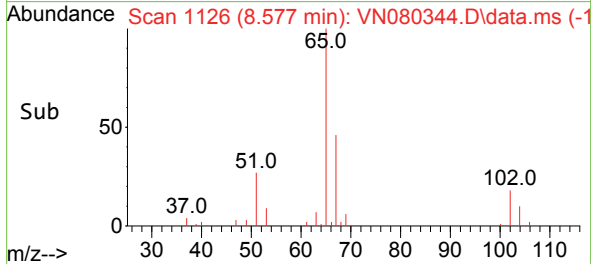
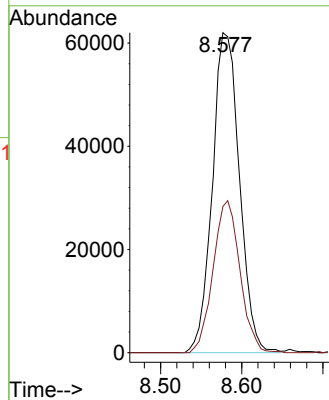
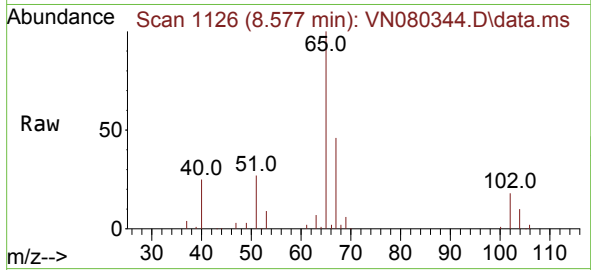
ClientSampleId :

Tgt Ion: 65 Resp: 143678

Ion Ratio Lower Upper

65 100

67 47.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

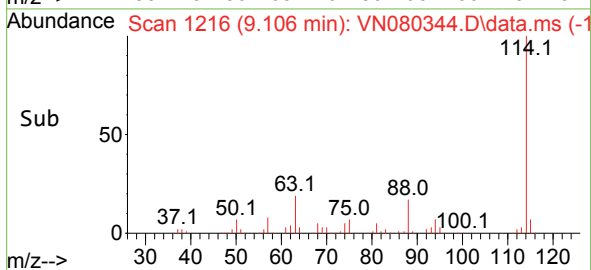
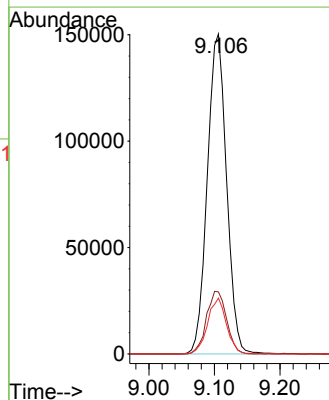
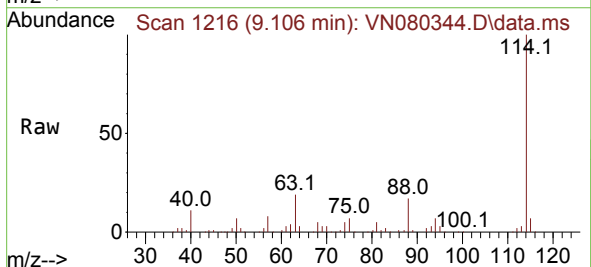
Tgt Ion:114 Resp: 307049

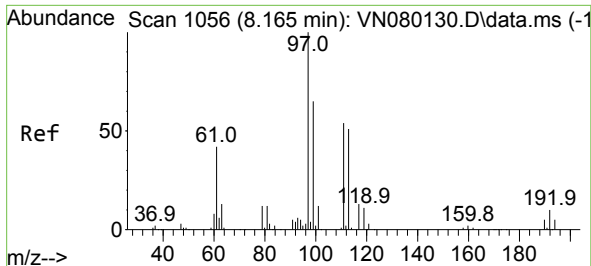
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 17.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.809 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

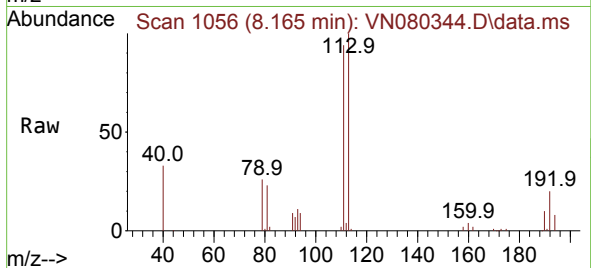
Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :



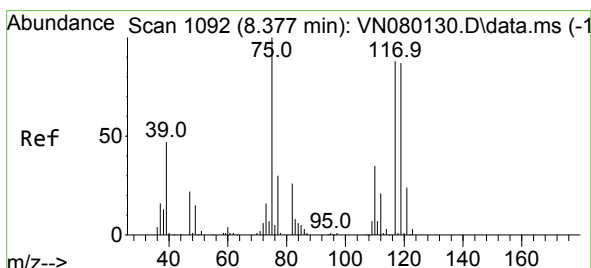
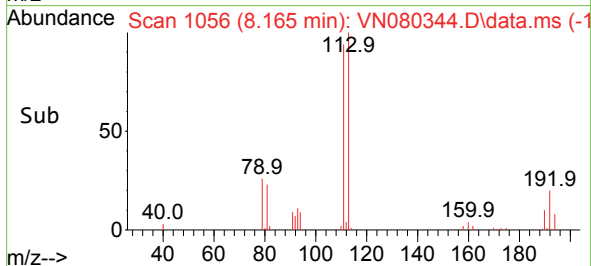
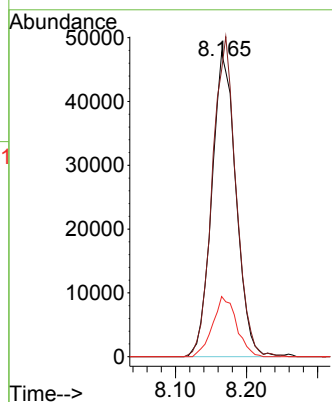
Tgt Ion:113 Resp: 112848

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 19.5 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.055 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

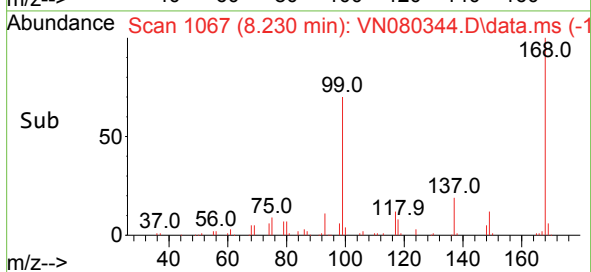
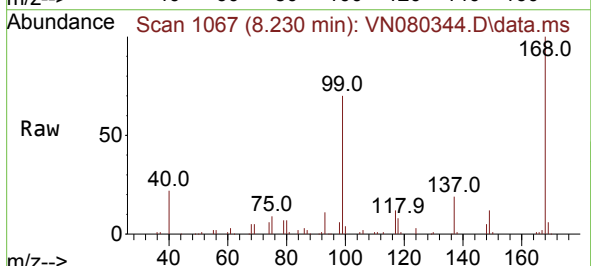
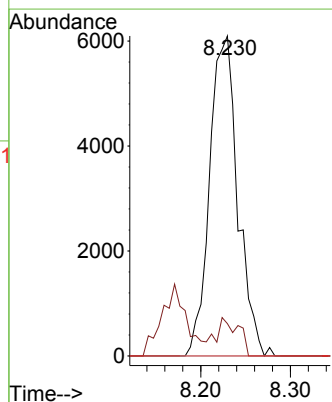
Tgt Ion: 75 Resp: 13301

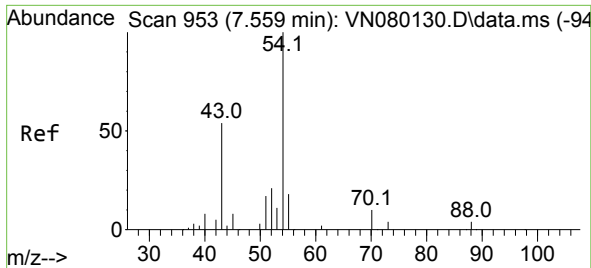
Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.008 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

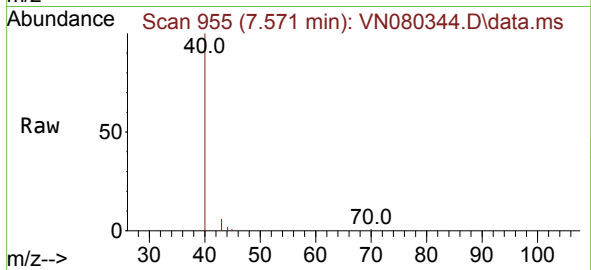
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Acq: 04 Dec 2023 17:33

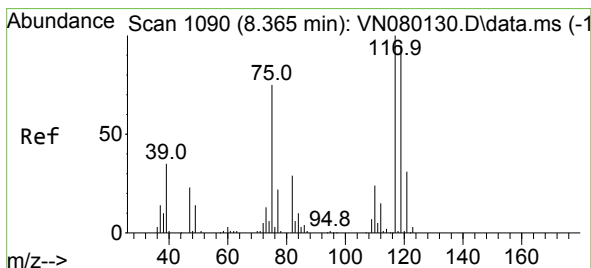
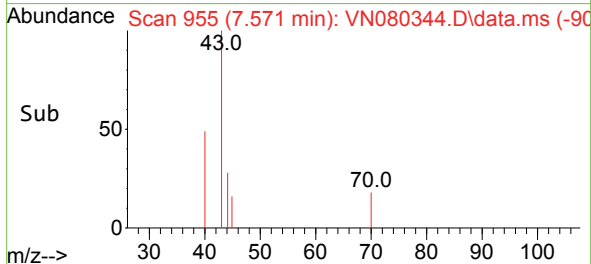
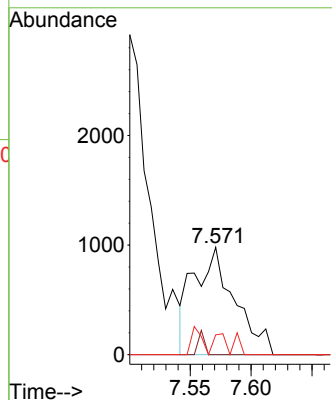
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 2294
Ion Ratio	Lower Upper
43	100
61	0.0 13.2 19.8#
70	8.8 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.311 ug/l

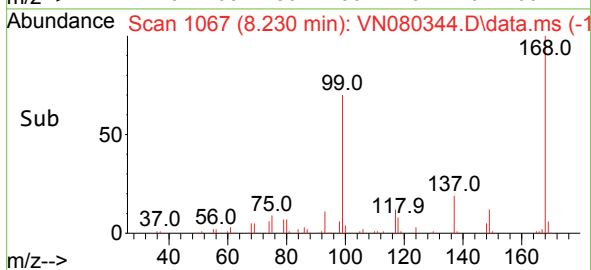
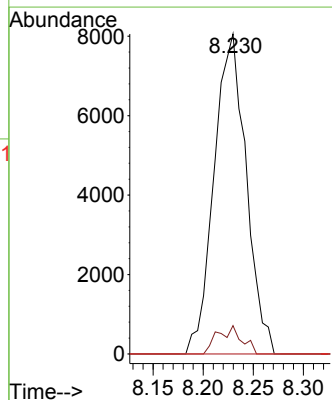
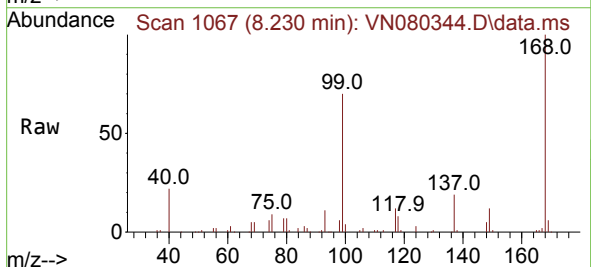
RT: 8.230 min Scan# 1067

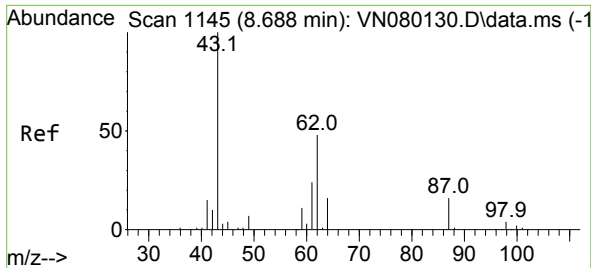
Delta R.T. -0.135 min

Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

Tgt Ion: 117	Resp: 17945
Ion Ratio	Lower Upper
117	100
119	8.8 77.3 115.9#
121	0.0 23.3 34.9#

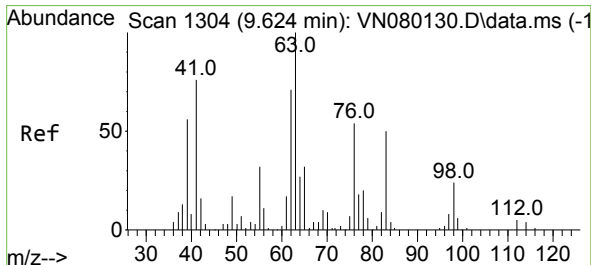
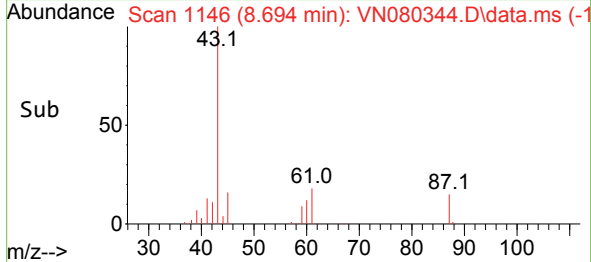
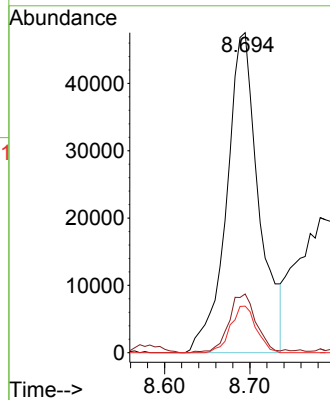
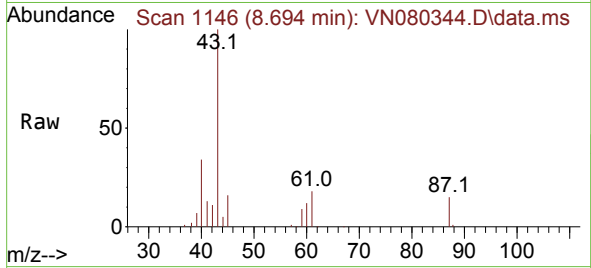




#43
Isopropyl Acetate
Concen: 28.210 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

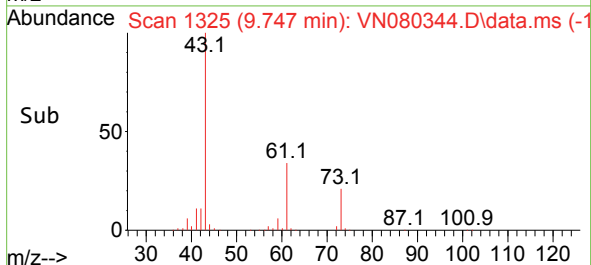
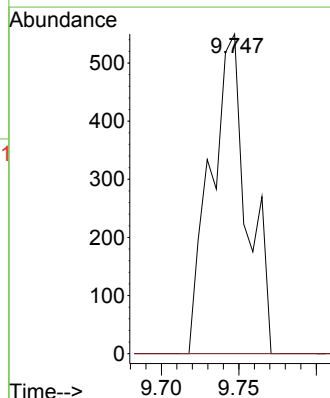
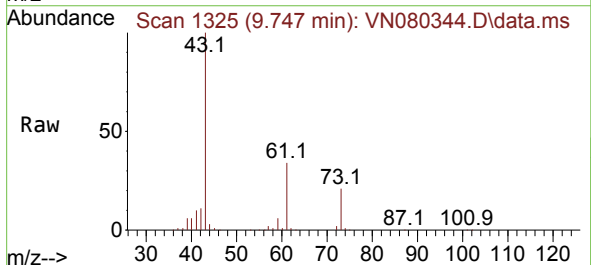
Instrument :
MSVOA_N
ClientSampleId :

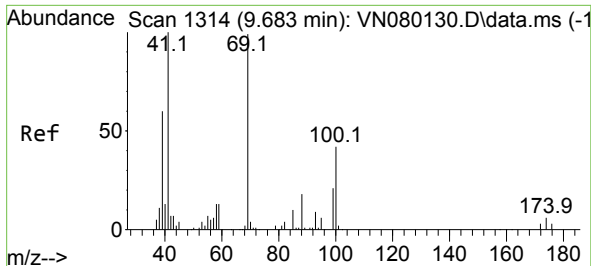
Tgt Ion: 43 Resp: 124901
Ion Ratio Lower Upper
43 100
61 15.6 24.7 37.1#
87 11.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.415 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 63 Resp: 899
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.205 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

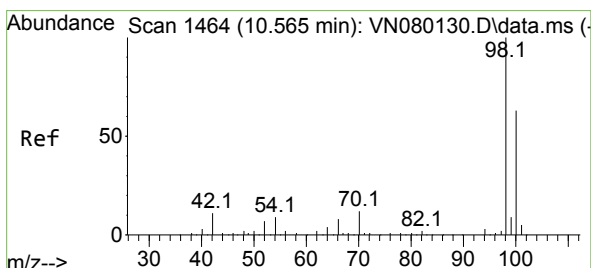
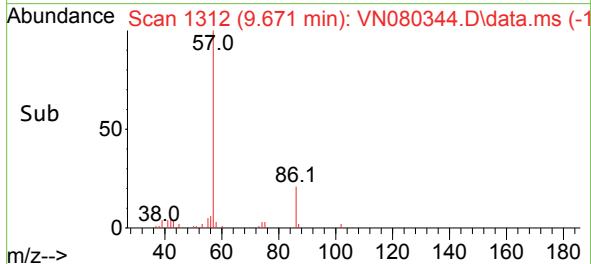
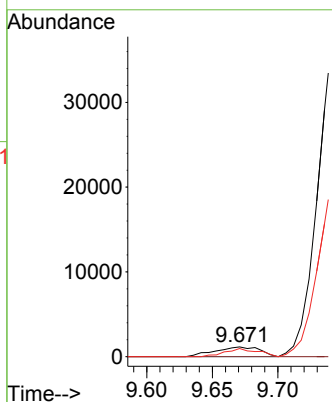
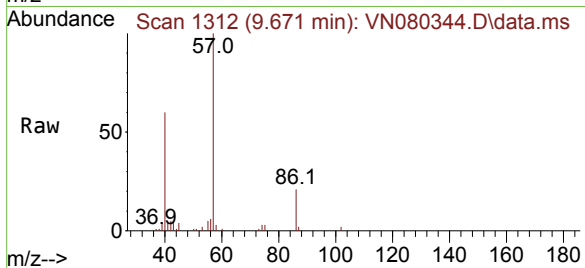
Tgt Ion: 41 Resp: 2750

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.3 54.6 81.8



#50

Toluene-d8

Concen: 50.117 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080344.D

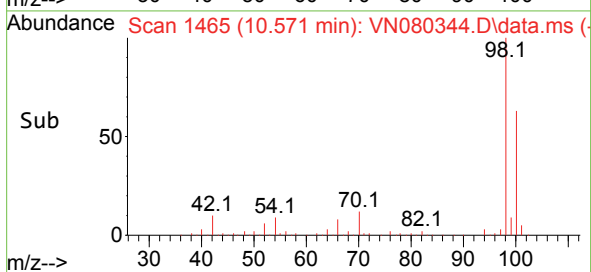
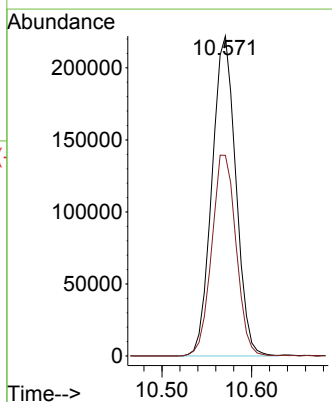
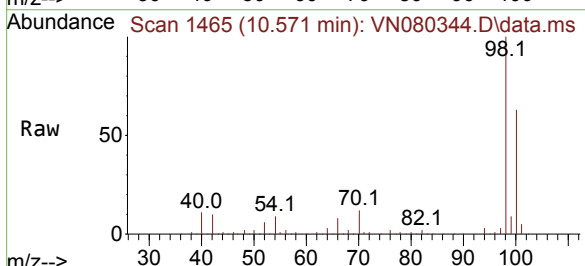
Acq: 04 Dec 2023 17:33

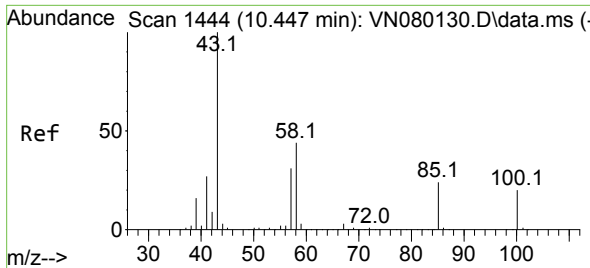
Tgt Ion: 98 Resp: 409314

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

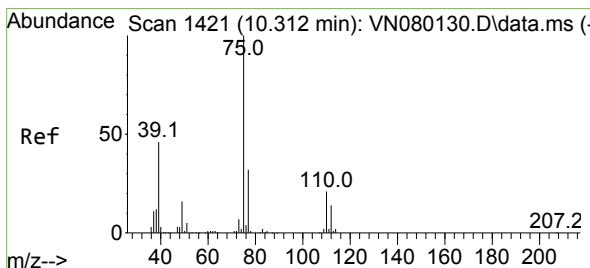
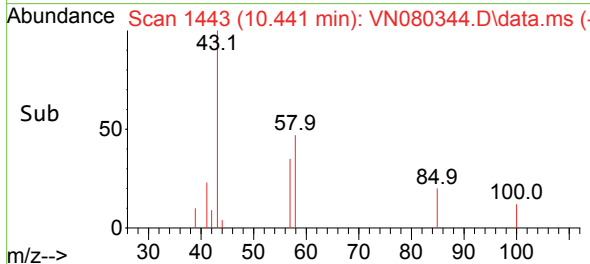
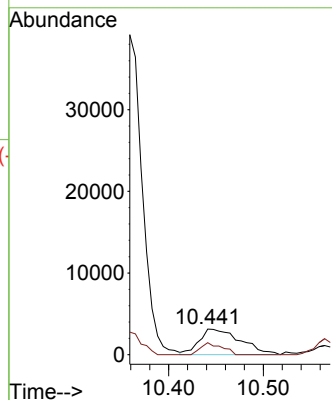
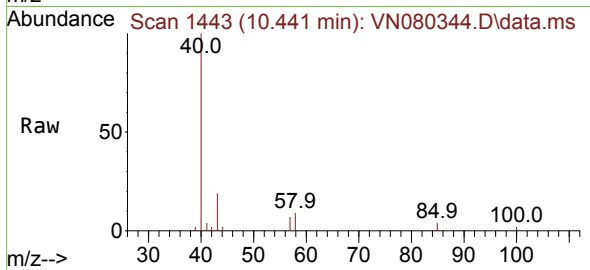




#51
4-Methyl-2-Pentanone
Concen: 4.148 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

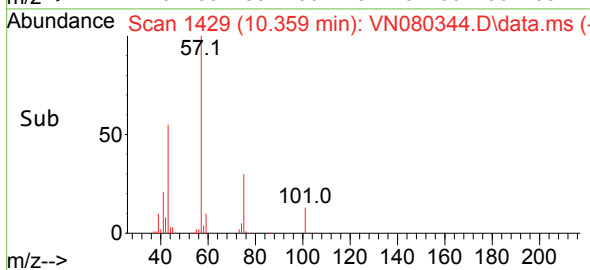
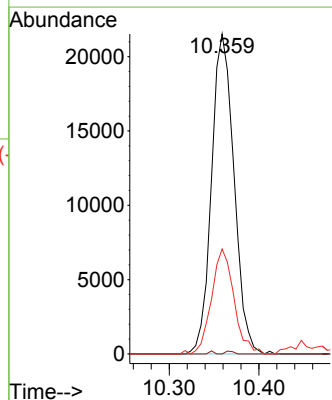
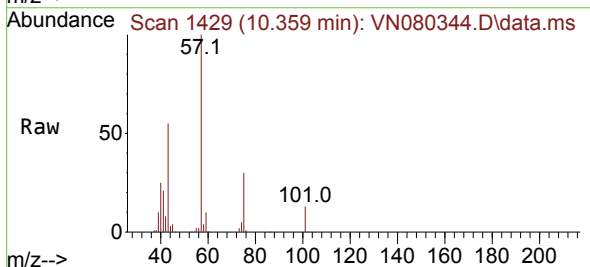
Instrument :
MSVOA_N
ClientSampleId :

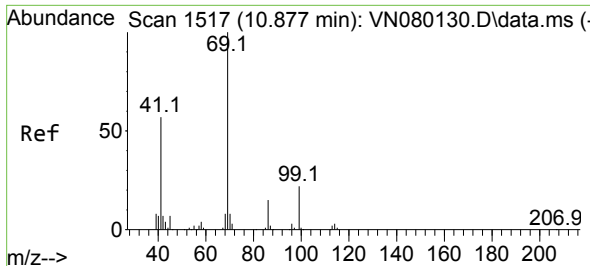
Tgt Ion: 43 Resp: 9509
Ion Ratio Lower Upper
43 100
58 24.1 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

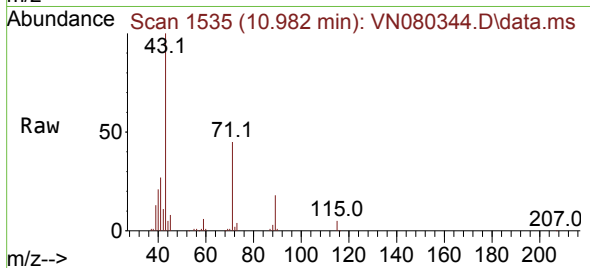
Tgt Ion: 75 Resp: 37424
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.8 31.6 47.4



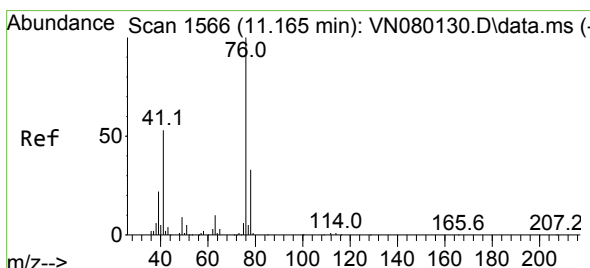
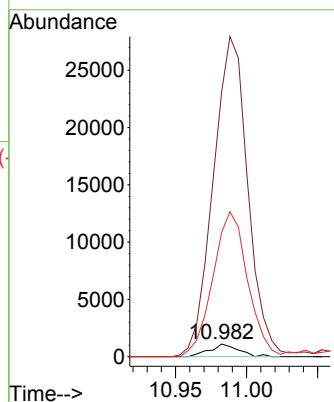
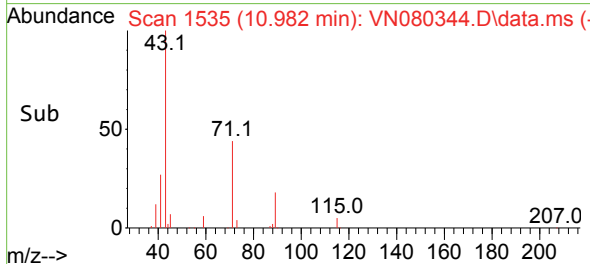


#56
Ethyl methacrylate
Concen: 0.690 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

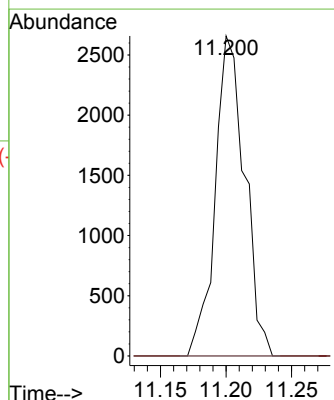
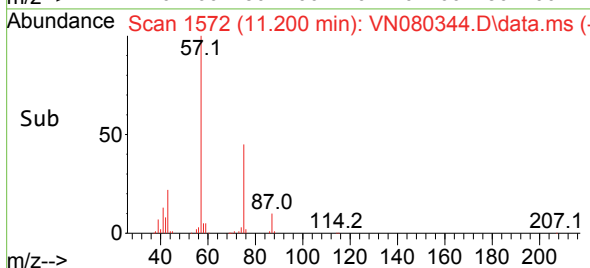
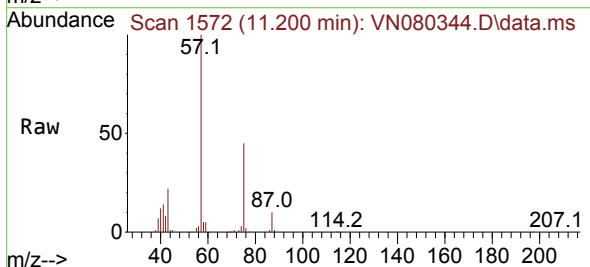


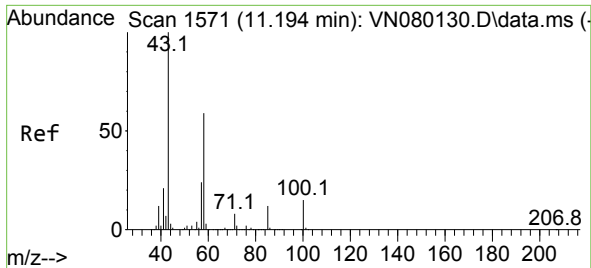
Tgt Ion: 69 Resp: 1569
Ion Ratio Lower Upper
69 100
41 3021.7 39.6 59.4#
39 1368.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.066 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 76 Resp: 4143
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

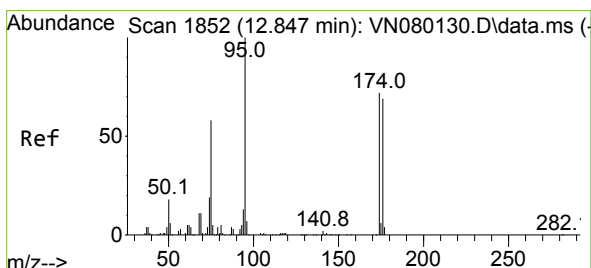
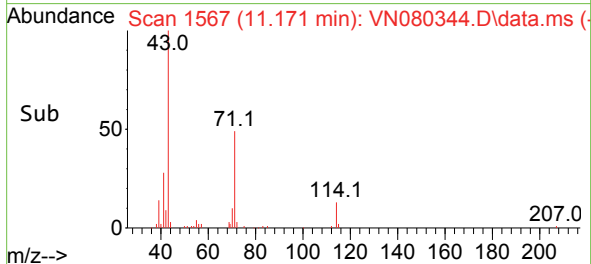
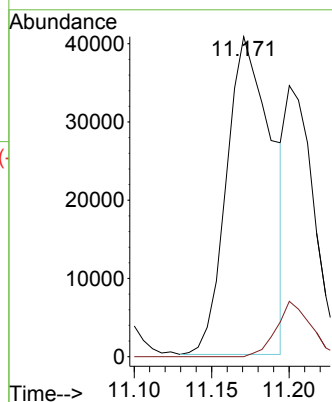
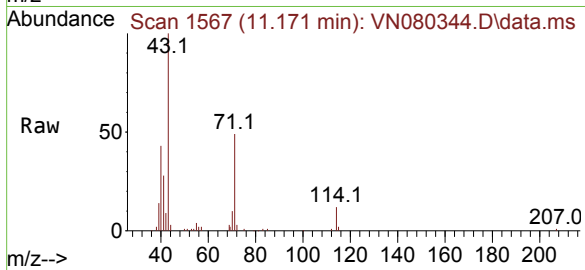




#59
2-Hexanone
Concen: 44.650 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

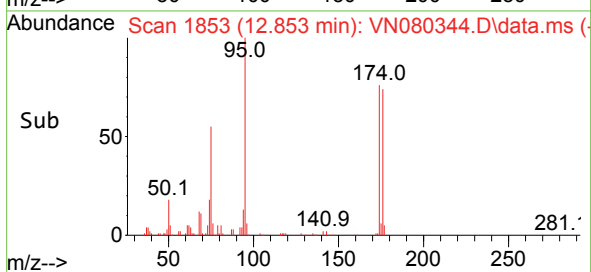
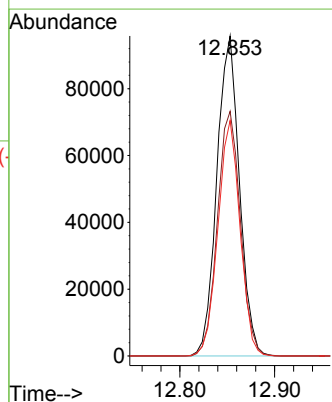
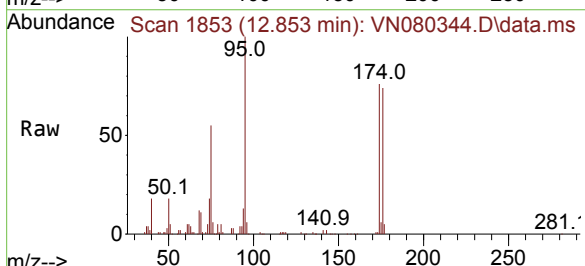
Instrument :
MSVOA_N
ClientSampleId :

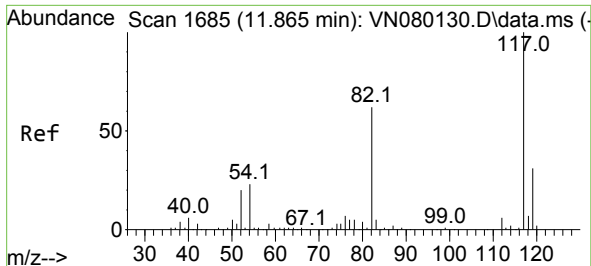
Tgt Ion: 43 Resp: 82243
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.550 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

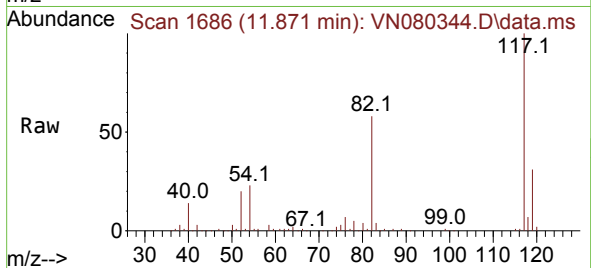
Tgt Ion: 95 Resp: 159025
Ion Ratio Lower Upper
95 100
174 77.7 0.0 143.8
176 72.0 0.0 135.8



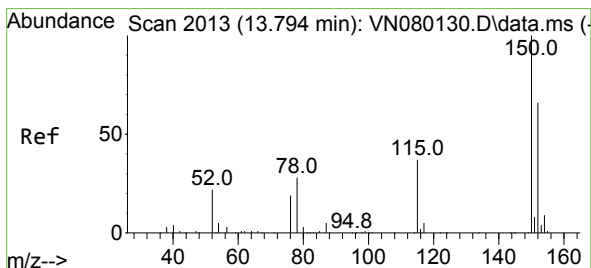
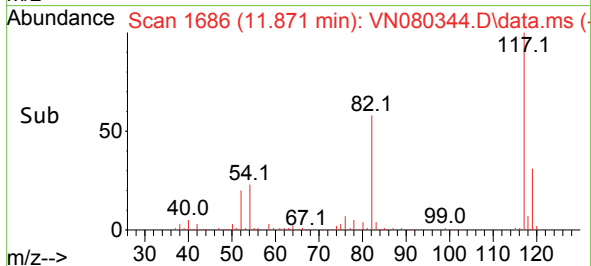
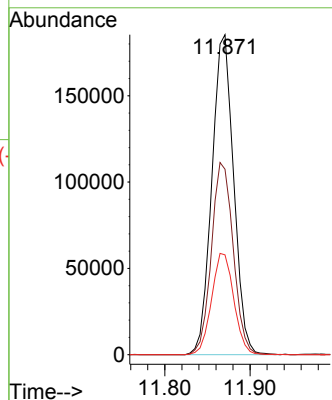


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

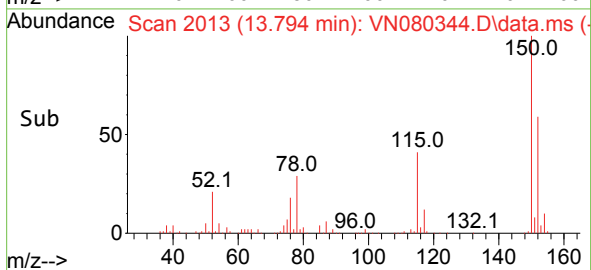
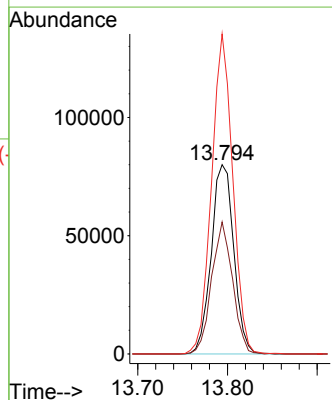
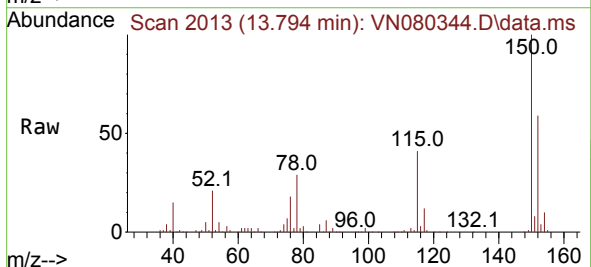


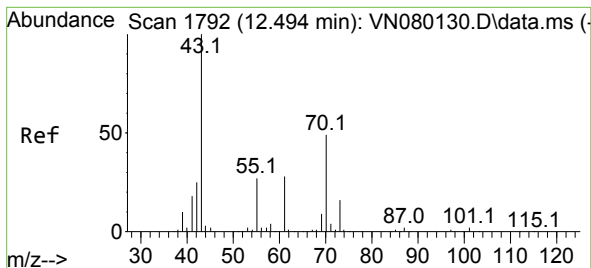
Tgt Ion:117 Resp: 329347
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion:152 Resp: 139478
Ion Ratio Lower Upper
152 100
115 65.0 32.3 96.8
150 158.9 0.0 355.8





#74

N-amy1 acetate

Concen: 0.344 ug/l

RT: 12.482 min Scan# 1163

Delta R.T. -0.012 min

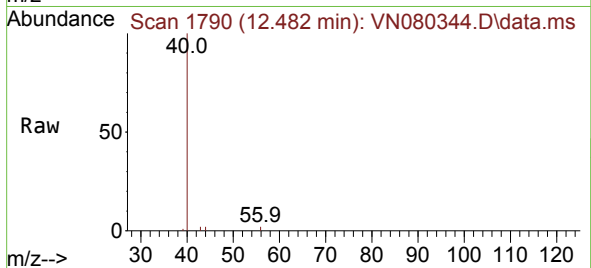
Lab File: VN080344.D

Acq: 04 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1163

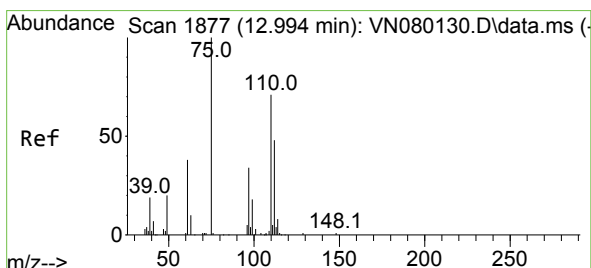
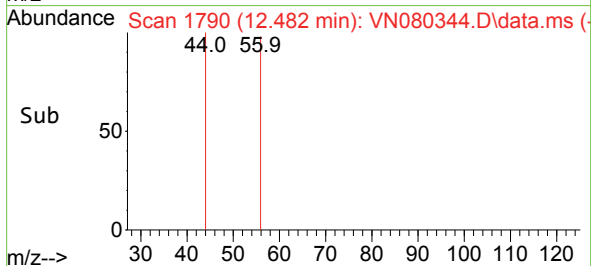
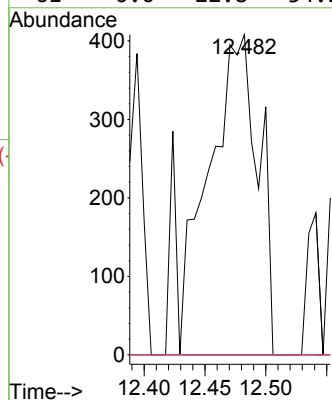
Ion Ratio Lower Upper

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: 26.251 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080344.D

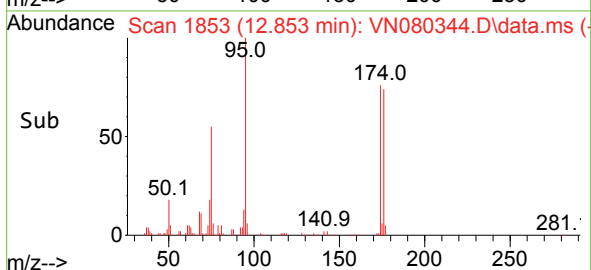
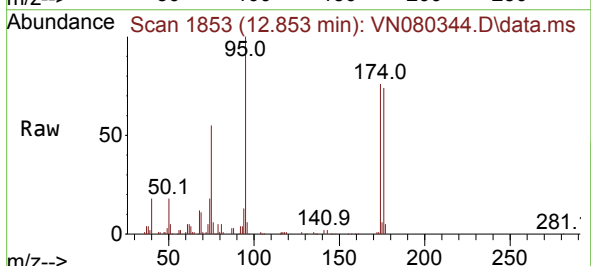
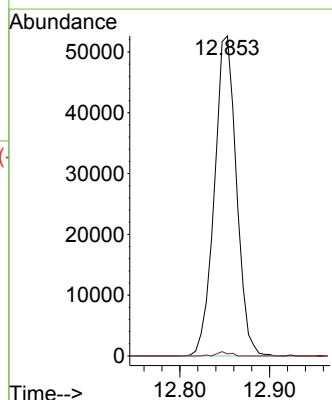
Acq: 04 Dec 2023 17:33

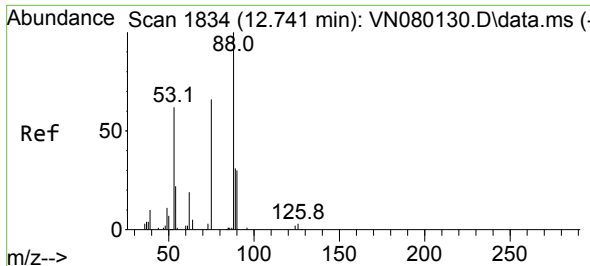
Tgt Ion: 75 Resp: 89712

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#

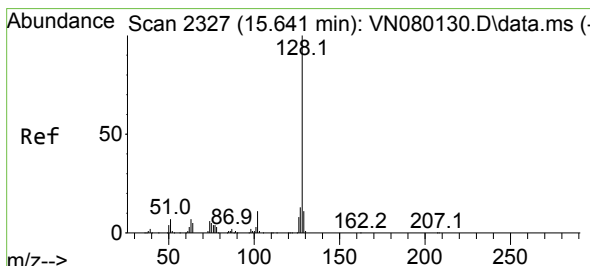
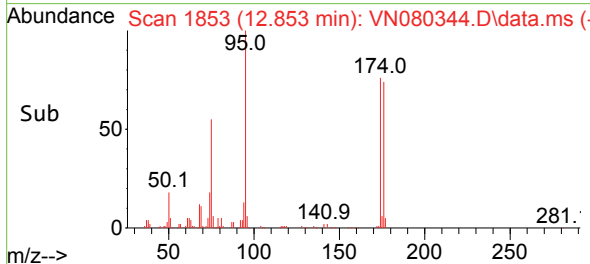
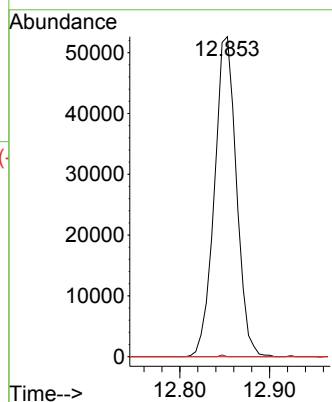
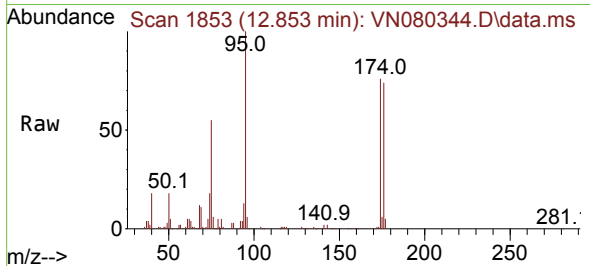




#81
trans-1,4-Dichloro-2-butene
Concen: 88.692 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 89712
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.460 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080344.D
Acq: 04 Dec 2023 17:33

Tgt Ion: 128 Resp: 11597
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 9.6 8.7 13.1

